Preliminary Assessment Report for Cactus Pipe Inc. Duson, Lafayette Parish, Louisiana

CERCLIS No.: LA0000605278
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TDD No: S06-00-02-0022

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Prepared for:

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1 Introduction

The Region 6 Superfund Technical Assessment and Response Team (START) contractor, Ecology and Environment, Inc. (E & E), was tasked by the U.S. Environmental Protection Agency (EPA), under Contract No. 68-W6-0013, to conduct a Preliminary Assessment (PA) of the Cactus Pipe (Cactus), site (CERCLIS No. LA0000605278).

1.1 Preliminary Assessment Objectives

The purpose of a PA is to determine whether further investigations are warranted and to screen sites for further consideration under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA).

The PA investigation determines CERCLA eligibility, reviews file information, documents the presence and type, or absence, of area receptors and uncontained or uncontrolled hazardous substances on site and off site, and documents site characteristics. Information obtained during the PA supports the management decision of whether the site warrants immediate removal action, proceeds to site inspection (SI) or receives the classification of No Further Remedial Action Planned (NFRAP) under the Superfund Amendments and Reauthorization Act (SARA).

2 Site Description and Operational History

This section addresses operational history, waste containment, hazardous substance identification, and regulatory status of the facility.

2.1 Site Location

The Cactus site is located on Highway 724, approximately 1.5 miles south of LA Highway 90, in Duson, Lafayette Parish, Louisiana. The geographical coordinates of the site are 32° 13' 07" north latitude and 92° 08' 28" west longitude (Figure 2-1). The coordinates were measured from the northern entry gate of the site located on Highway 724 on a United States Geological Survey (USGS) 7.5-minute series topographical map. The map scale is 1:24,000 and is projected from the North America Datum of 1927 (NAD-27) (Ref. 40).

The site encompasses two parcels of land totaling 20.525 acres and is bordered to the north by a single-family residential home; livestock grazing land and agricultural fields; to the south by commercial property and an open field; to the west by a drainage ditch and agriculture fields; and to the east by livestock grazing land. The extended area surrounding the site consists of livestock grazing and single-family residential homes (Figure 2-2; Ref. 2; Ref. 3).

2.2 Operational History/Site Description

The facility began operations as a pipe-yard in 1971 under the name Cactus Pipe and Supply (CPS). Site operations included the cleaning, threading, and distribution of drill pipe for oilfield use (Ref. 6). On September 25, 1980, GEO International, (GEO) purchased CPS, CPS continued to operate the facility as a subsidiary of GEO. On February 26, 1982, GEO conveyed the two parcels of land to Cactus Pipe and Supply. CPS changed its name to GEO Pipe

Company (GPC) on October 7, 1992. CPS reformed as a new corporation on December 3, 1992. The new CPS operated the facility under a rental agreement with GPC (Ref. 3; Ref. 4) . The facility ceased operations in March 1995 when GEO and its subsidiary GPC went into bankruptcy (Ref. 4).

Grey Wolf purchased one of the parcels (6.765 acres) from GPC. This parcel was then purchased from Grey Wolf by Mr. John Pomier on May 4, 1999. Mr. Pomier is the current owner of the 6.765 acre parcel (Ref. 8). Mr. Pomier currently operates American Waste Water Systems located adjacent to the site, but does not appear to utilize the 6.765 acre parcel for his business (Ref. 2).

GEO defaulted on the taxes for the other parcel (13.76 acres), but still own the property. In 1997, BBCP paid the taxes for the property, but did not take possession of property (Ref. 3; Ref. 9; Ref. 10). According to the Parish Tax Assessor's Office, the officers of GPC own the property until they dissolve the corporation (Ref. 8). The former president of GPC, Mr. William Garry, claims the corporation was dissolved and no longer has any holdings (Ref. 11)

In 1989, Newpark Environmental Services (NES) conducted a Phase I Assessment of the Cactus facility and identified eight areas of stained soil. In 1990, NES conducted a Phase II Assessment including collection and analysis of soil samples. Core samples were collected from each area of stained soil identified in the Phase I Assessment to a depth of 36 inches below ground surface (BGS). NES tested the soil cores for oil and grease content as an indicator of industrial contamination. All areas exhibited some concentration of oil and grease. The portions of the soil cores which had the highest concentration of oil and grease were used to create a composite sample for each area. These composite samples were analyzed for ignitability, corrosivity, reactivity, and extraction procedure toxicity (EPTox). No sample was ignitable, corrosive or reactive. All eight samples disclosed some concentration of EPTox metals, however, the only analyte with a concentration in excess of a regulatory level was lead in six of the eight areas. When the Phase II samples were collected, lead was considered hazardous at EPTox levels above 5 mg/l. To delineate the areas of lead contamination, NES collected additional core soil samples from the six areas. At one of the six areas, all of the additional core

samples contained an average lead content less then 5 mg/l therefore the soil was not categorized as hazardous. The remaining five areas had a lead concentration in excess of 5 mg/l (Ref. 12).

Currently, the site consists of six structures (designated S-1 through S-6), four areas of stained soil (designated A1, A3, A4, and A6), two piles of soil (designated P1 and P2), eleven three-gallon buckets of Aluminum Based Pipe Dope, sixteen five-gallon buckets of Liquid O Ring Replenisher, and approximately 143 drums with unknown contents. Of the 143 drums, START identified 51 drums containing approximately 1,812 gallons of an unknown material, 22 drums containing trash, 61 empty drums, and nine drums containing an unknown volume of an unknown material. The site is enclosed by a fence on the northern, eastern and western boundaries. There is no fence on the southern site boundary. The two western entrances to the facility are gated and locked, the northern entrance is not gated or locked (Figure 2-2; Ref. 2).

Structure S1 is the former Tubing Cleaning/Inspection Area, located approximately 100 feet from Hwy 724 adjacent to the northern entrance (Figure 2-2; Ref. 12). It is a 60 foot by 60 foot metal fabricated structure which is open on all four sides, with an earthen foundation (Ref. 12). On February 22, 1990, NES identified and collected samples from a 76 foot by 81 foot area of stained soil located underneath and surrounding S1. The composite soil sample was analyzed by for EPTOX and indicated a lead concentration of 29 mg/L. The lead contaminated soil extended to a depth of 12 inches BGS indicating the presence of a total of 228 cubic yards of contaminated soil (Ref. 12). During the site reconnaissance, START visually determined that approximately 133 cubic yards of the lead contaminated soil was located underneath S1 and the remaining 95 cubic yards of the lead contaminated soil surrounded S1 and was covered with vegetation. Additionally, there is tubing equipment located in the center of the structure, one metal 55-gallon drum with an unknown amount of contents, and a sump with unknown dimensions and undetermined volume (Ref. 2).

On August 28, 1990, CPS conducted a Naturally Occurring Radioactive Material (NORM) Survey and collected samples under and around building S1 for radium-226 analysis. According to Louisiana Administrative Code Title 33 Chapter 14, soil is NORM contaminated when concentrations of 226-radium or 228-radium are greater then five picocuries per gram

(pCi/g) (Ref. 15). An area measuring 64 feet by 90 feet was divided into six equal grids each measuring 30 feet by 32 feet (numbered A through F). Samples were collected from each grid at the following depth intervals: 0- to 15-cm BGS, 15- to 30-cm BGS, 30- to 45-cm BGS, and 45- to 60-cm BGS. The results are provided in the following table:

Table 2-1
Summary of Radium-226 Concentrations in Soil Samples Collected from the Tubing Cleaning/Inspection Area by Newpark Environmental Services
August 28, 1990
(pCi/g)

Grid	Location	0-15cm BGS	15cm-30cm BGS	30cm-45cm BGS	45cm-60cm BGS
A	Southwestern corner	NA	163	30	8
B	Western middle	NA	39	9	2
C	Northwestern corner (uncovered)	16	6	6	2
D	Southeastern corner	NA	7	5	3
E	Eastern middle	NA	1	1	1
F	Northeastern corner (uncovered)	5	0	2	2

NA- Not analyzed

At grids A, B, D, and E, the 0 to 15 cm interval was not collected because the soils had been excavated prior to sampling. The radium-226 contamination was found at four of the six grids with a total volume of 160 cubic yards of contamination, 107 cubic yards are covered with the metal building and 53 cubic yards are exposed (Ref. 16).

Structure S2 is the former locker room (Figure 2-2; Ref. 12). The structure is an enclosed metal fabricated structure (Ref. 2).

Structure S3 is a 10 foot by 10 foot metal fabricated structure that contains an abandoned drinking water well that is not registered with the Louisiana Department of Transportation and Development (Figure 2-2; Ref. 2; Ref. 12; Ref. 28).

Structure S4 is the former warehouse and office building (Figure 2-2; Ref. 12). The structure is a metal fabricated building measuring approximately 40 feet by 160 feet on a concrete foundation (Ref. 2). There are eight metal 55-gallon drums on the concrete pad outside the structure, two of the drums is empty, two contain trash, and four have a total of approximately 145 gallons of an unidentified material. There are also three empty metal 55-gallon drums located on soil next to the building. Inside the structure, there are eleven full 3-gallon plastic buckets labeled "Aluminum-Based Pipe Compound"; and four metal 55-gallon drums, of which three drums are empty and one has approximately 50 gallons of unknown an unidentified material. One of the empty drums was labeled "Clear OD Coating/FLUSC" and another empty drum was labeled "Flammable Liquid" (Ref. 14).

Structures S5 and S6 are the former storage sheds (Figure 2-2; Ref. 12). S5 is an enclosed metal fabricated structure with an earthen foundation. There are sixteen full 5-gallon buckets labeled "Liquid O Ring Replenisher" inside S5 (Ref. 2).

Adjacent to S5 is structure S6, a metal fabricated structure with one side open and an earthen foundation (Figure 2-2; Ref. 2; Ref. 12).

Area A1 is the former Casing Cutter Area (Figure 2-2; Ref. 12). NES identified and collected samples from a 30 foot by 70 foot area of stained soil in area A1. The composite soil sample was analyzed by EPTox and indicated a lead concentration of 0.30 mg/L (Ref. 12). START identified a stained soil area within area A1 approximately 30 feet by 70 feet in dimension and containing six metal 55-gallon drums. Three drums were empty, and three drums have approximately 75 gallons of an unknown material. One of the drums with contents was labeled "Ignition-Flammable" (Figure 2-2; Ref. 2; Ref. 14). There is an approximate 215 square foot irregular shaped concrete pad located within the stained soil area (Ref. 12).

Area A2 is the former Fuel Storage Area (Figure 2-2; Ref. 12). NES identified and sampled a 30 foot by 50 foot area of stained soil located in A2. The composite soil sample was

analyzed by EPTox and indicated a concentration of lead (93 mg/l) which categorized the soil as hazardous. Additional samples were collected and determined the lead contaminated soil was confined to a 24 foot by 17.5 foot area of A2 to a depth of 24-inches BGS, for a total of 31 cubic yards (Ref. 12). During the site reconnaissance, START could not locate this area because of thick vegetative cover (Ref. 2).

Area A3 is the former Machine shop (Figure 2-2; Ref. 12). NES identified and sampled a 50 foot by 230 foot area of stained soil located in A3. The composite soil sample was analyzed for EPTox and indicated concentrations of lead (8.0 mg/L) which categorized the soil as hazardous. Additional samples were collected to delineate the contamination, but all samples were less then 5 mg/l. Therefore, the soil was re-categorized as non-hazardous. There are two concrete slabs within the stained soil area, one measuring approximately 30 feet by 27 feet, and the other measuring approximately 43 feet by 30 feet (Ref. 12). During the site reconnaissance, START identified a total stained soil area of approximately 9,000 square feet, seven metal 55-gallon drums: three empty, three with approximately 125 gallons of an unknown material and one drum with an unknown amount of contents. Two of the drums with contents were labeled "Multipurpose ATF" and one of the drums was labeled "Mobilmet S 122" (Ref. 14).

Area A4 is the former Front Casing Hydrotesting Area (Figure 2-2; Ref. 12). NES identified and sampled a 72 foot by 65 foot area of stained soil in A4. The composite soil sample was analyzed by EPTox and indicated a concentrations of lead (7.7 mg/L) which categorized the soil as hazardous. Additional samples were collected and determined the lead contaminated soil was confined to a 58 foot by 65 foot area of A4 to a depth of 12-inches BGS for a total of 140 cubic yards (Ref. 12). During the site reconnaissance, START determined that approximately 70 cubic yards of the lead contaminated soil was located in a stained soil area and the remaining 70 cubic yards of the lead contaminated soil was covered with vegetation (Ref. 2). In addition, sixteen metal 55-gallon drums were located in the area: one empty, eight with trash, five with a total of approximately 162 gallons of an unknown material, and two with an unknown amount of contents (Ref. 14). START also identified a sump in this area with an estimated sludge volume of ten cubic yards. The soil surrounding the sump is heavily stained. During heavy rainfall the

sump content could be released and migrate into the soil (Ref. 2).

Area A5 is the former Rear Casing Hydrotesting Area (Figure 2-2; Ref. 12). NES identified and sampled a 60 foot by 65 foot area of stained soil in A4. The composite soil sample was analyzed by EPTox and indicated a concentrations of lead (51 mg/L) which categorized the soil as hazardous. Additional samples were collected which determined the lead contaminated soil encompassed the entire 60 foot by 65 foot area of A5 to a depth of 12-inches BGS for a total of 144 cubic yards (Ref. 12). During the site reconnaissance, START observe a sump in this area with an estimated sludge volume of 10 cubic yards, but did not observe any stained soil due to the thick vegetative cover (Ref. 2).

Area A6 is the former Casing Inspection Area (Figure 2-2; Ref. 12). NES identified and sampled a 59 foot by 119 foot area of stained soil in A4. The composite soil sample was analyzed by EPTox and indicated a concentration of lead (19.8 mg/L) which categorized the soil as hazardous. Additional samples were collected and determined the lead contaminated soil was confined to two areas each measuring 15 feet by 119 feet to a depth of 12-inches BGS for a total of 132 cubic yards (Ref. 12). During the site reconnaissance, START identified two stained soil areas measuring 5 feet by 10 feet and 14 feet by 48 feet, equaling 722 square feet. The remaining soil in this area is covered with vegetation. Currently, 27 cubic yards of the lead contamination is exposed and 105 cubic yards are covered with vegetation (Ref. 12). START also identified eight 55-gallon drums in this area: one empty, one with trash, five drums with a total of approximately 185 gallons of unknown material, and one drum with an unknown amount of contents (Ref. 14).

Area A7 is the former Vehicle Maintenance area (Figure 2-2; Ref. 12). NES identified and sampled a 15 foot by 25 foot area of stained soil in A1. The composite soil sample was analyzed by EPTox and indicated a concentration of lead (4.10 mg/L) which did not categorize the soil as hazardous (Ref. 12).

Area A8, Drum Pile 1, located along the eastern boundary of the site (Figure 2-2). The pile is covered with vegetation (Ref. 12). There are thirty-three 55-gallon drums in this area: thirteen empty, one with trash, and 19 drums with a total of approximately 725 gallons of

unknown material (Ref. 14).

Area A9 is the area around S5 and S6, the sheds (Figure 2-2). There are a total of thirty-five 55-gallon drums located around these two structures, 19 of the drums are empty, four contain trash, eight contain a total of approximately 220 gallons of an unidentified material, and four drums contain an unknown amount of unidentified material (Ref. 14).

There are also 14 drums scattered about the site. Of these drums, 11 are empty, one is full of trash, and three have a total of approximately 125 gallons of an unknown material (Ref. 14).

There are two piles on site P1 and P2 marked with "Radiation Restricted Access" signs (Figure 2-2). Pile P1 is located at the eastern boundary of the two parcels of land and is covered with vegetation. Pile P2 is located along the eastern boundary of the site, north of pile P1 and is also covered with vegetation (Ref. 2). On August 28, 1990, CPS conducted a NORM survey and collected composite soil samples from P1 and P2 and analyzed for radium-226 analysis. Two composite samples collected from P1 were analyzed for radium-226 and indicated concentrations of radium-226 (196 pCi/g and 14 pCi/g) which categorized the soil as NORM contaminated (Ref. 16). The volume of contamination is estimated to be 263 cubic yards. This volume was calculated utilizing the approximate area of the base, top, and the height of the pile (Ref. 2). One composite sample collected from P2 was analyzed for radium-226 and indicated the soil was not NORM contaminated (Ref. 16).

The NORM survey also identified areas with radiation exposure readings greater then 50 micro Reontgen per hour (μR/hr). Because the site is a former pipe-yard, it can be reasonably assumed that readings greater then 50 μR/hr are 226-radium contaminated (Ref. 17). The areas of contamination were not delineated or calculated. The volume of contamination was estimated by first dividing the site into the area west of the central drainage ditch and the area east of the central drainage ditch. The area west of the ditch is bounded to the west and north by the facility fence, to the east by the central drainage ditch at the to south by the road leading into the site from the northern most entrance to the facility from highway 724. Approximately 10 percent of this area is contaminated. Assuming contamination extends to one foot BGS, there is

approximately 650 cubic yards of contamination. Approximately 80 percent of this area is covered with vegetation; therefore, approximately 520 cubic yards are covered with vegetation and 130 cubic yards are not covered.

East of the central ditch, there are a few areas of readings greater then 50 uR/hr (Ref. 16). These areas total approximately 90 cubic yards, assuming contamination extends to one foot BGS. The entire area east of the central drainage ditch is heavily vegetated.

The total estimated volume of 226-radium contaminated soil is approximately 1163 cubic yards, of which 926 cubic yards are under vegetative cover, 107 cubic yards are covered with a metal building and 130 cubic yards are without cover.

2.3 RPB/Removal Considerations

In response to a request by the Louisiana Department of Environmental Quality (LDEQ), EPA tasked START to conduct an Removal Assessment (RA) of the site in April 2000 under TDD No. S06-00-04-0002 (Ref. 3). At the date of this report, the assessment is on going and no materials have been removed from the site by EPA or the START contractor. It has not been determined if the START RA team will return to the site to conduct removal activities.

A PA site reconnaissance was conducted by START on April 13, 2000. During the on-site reconnaissance inspection, no actual exposure to nearby humans, animals, or food chain from hazardous substances, pollutants, or contaminants was noted nor were any imminent and substantial endangerment (ISE) conditions (e.g., conditions that could potentially cause an explosion or fire) observed (Ref. 2).

2.4 Regulatory Status/Activities

On July 25, 1990 an inspection was conducted by the LDEQ Nuclear Energy Division (now known as the Radiation and Protection Division [RPD]). At the time of the inspection, workers were excavating NORM contaminated soil without any worker protection. As a result of the inspection, the RPD issued a Notice of Violation (NOV) on August 6, 1990 to CPS (Ref.

18). CPS conducted a NORM Survey in response to the NOV and sent the survey to LDEQ on October 17, 1990 (Ref. 16). On December 27, 1990 the RPD issued and All Violations Cleared based on the responses supplied by CPS. The RPD conducted another inspection of the facility on December 27, 1990. The inspectors found the workers were not aware of worker protection procedures or of the previous facility violations. A second NOV was issued by the RPD on February 19, 1991 as a result of the inspection (Ref. 18).

On June 7, 1995, LDEQ- Hazardous Waste Division (HWD) conducted an inspection of the facility and found scattered drums, scattered 5-gallon buckets, and stained soil (Ref. 18).

On June 8, 1995, the LDEQ- Legal Affairs and Enforcement Division (LAED) received a copy of an affidavit of the vice president of Regulatory and Analytical Service for NES. Utilizing both the Phase II assessment and the NORM survey, NES estimated that approximately 20,000 barrels or 4,200 cubic yards of soil must be removed from the site to remediate the site for hydrocarbons, leachable lead, and NORM. The disposal of the soil would cost approximately $245,000 excluding excavation, transportation, and off-loading fees (Ref. 12).

LDEQ-RPD conducted an inspection of the facility on June 8, 1995 at the request of LDEQ attorneys. The purpose of the inspection was to determine if the site could be released for unrestricted use. Due to the heavy NORM contamination, the inspectors determined the site and equipment should not be released for unrestricted use (Ref. 19).

According to LDEQ, CPS filed a Motion to Abandon the former location of the facility. As a result of the inspections conducted by HWD, RPD, and CPS's Motion to Abandon the property, on June 7 and 8 respectively, a multi division Inspection Sampling was conducted on June 21, 1995. Representatives from the following division of LDEQ participated: HWD, RPD, Water Quality (WQD), Groundwater (GWD), Solid Waste (SWD), and Underground Storage Tank Division (USTD) (Ref. 20).

LDEQ-WQD sampled two in-ground sumps collecting two sludge samples at each location. The first sump (Sump No. 9) located in S1 and Sump No. 12A, located in A4. Both sumps were observed to be full of a brownish, oily liquid with a heavy petroleum odor. Two samples were collected of the sludge within each sump. Split samples were provided to the

HWD inspectors. LDEQ-WQD samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) metals and the LDEQ-HWD samples were analyzed for Target Analyte List (TAL) metals; the results are summarized in the following table:

Table 2-2
Summary of Detected Inorganic Analytical Results for Sump Samples Collected by Louisiana Department of Environmental Quality Water Quality Division and Hazardous Waste Division

	Sump No. 9		Sump No. 12A	
Parameter	Sample No.1	Sample No. 2	Sample No. 1	Sample No. 2
TAL Metals				
Barium	55,917 ppm	22,727 ppm	4,312 ppm	818 ppm
Chromium	444 ppm	124 ppm	48.8 ppm	<5 ppm
Lead	9,152 ppm	23,170 ppm	9,148 ppm	7,981 ppm
Zinc	22,745 ppm	21,474 ppm	4,444 ppm	1,129 ppm
TCLP Metals				
Barium	9.1 mg/l	10 mg/l	6.6 mg/l	6.2 mg/l
Cadmium	0.12 mg/l	0.038 mg/l	0.018 mg/l	0.019 mg/l
Chromium	0.08 mg/l	NR	NR	NR
Lead	200 mg/l	11 mg/l	5.5 mg/l	65 mg/l

NR- Not Reported
ppm - parts per million

LDEQ- GWD collected two soil samples. The first sample was collected from the former machine shop and the second was collected from the former casing/hydrostatic testing area. Both samples appeared to be visibly contaminated with petroleum products (Ref. 20). No analytical results are available.

LDEQ-USTD utilized a soil gas probe in a sandy area around the middle of the two soil

sample locations to test for volatile organic vapors. A reading of 100 meter units was reported a depth of 9-feet BGS. No further reading were collected due to equipment failure (Ref. 20).

On July 31, 1995, the HWD issued a Compliance Order to CPS in response to the June 21, 1995 Inspection Sampling and the July 31, 1995 General Inspection conducted by a LDEQ-HWD Terra Corporation representatives (Ref. 20; Ref. 21; Ref. 22).

On August 22, 1995, a Settlement Agreement between LDEQ and GPC was signed by a GEO representative. In the agreement GPC agreed to pay LDEQ the "Settlement Amount" of $125,000 to be used solely and exclusively for the remediation, containment, and/or enclosure of the property. LDEQ agreed not to object to GPC's request to abandon the property (Ref. 23).

On December 3, 1997, LDEQ Inactive and Abandoned Sites Division (IASD) received a letter from State Representative Gil Pinac regarding a citizen concerned about the contamination remaining at the former location of CPS (Ref. 24). In response, LDEQ-IASD conducted an inspection of the facility on December 10, 1997. The site consisted of five major buildings, a warehouse/office building, a well shed and three open sheds. The shed located closest to the warehouse/office building had signs stating "caution, radiation area, authorized personnel only." The remaining sheds appeared to have been used as a former shop. Approximately fifty 55-gallon drums were scattered over the facility. Some of the drums bore a Department of Transportation (DOT) flammable liquid label. Approximately thirty-five 5-gallon buckets were noted. Three large stained soil areas were observed in what appeared to be the former washing and/or threading areas. The soil appeared to be stained with a dark hydrocarbon material and the standing water in the area had an oily sheen (Ref. 25).

On July 17, 1998, IASD conducted a Phase I Assessment of Cactus, followed by a Phase II Assessment on August 7, 1998 (Ref. 5; Ref. 6). No samples were collected during either assessment due to the sample information available from the 1990 NES Phase II Assessment, the 1990 Cactus NORM Survey, and the 1995 LDEQ multi division Sampling Inspection (Ref. 20).

START conducted a fence line visit of the facility on August 4, 1999 under TDD S06-99-06-0013 and a Site Discovery visit of the facility on January 13, 2000 under TDD S06-97-01-

0003. During these visits, START identified approximately 116 fifty-five gallon drums, approximately 40 to 50 of which had unknown contents; approximately fifteen 5-gallon containers of leaded pipe dope; twelve 2-gallon containers of pipe dope; and areas of stained soil.

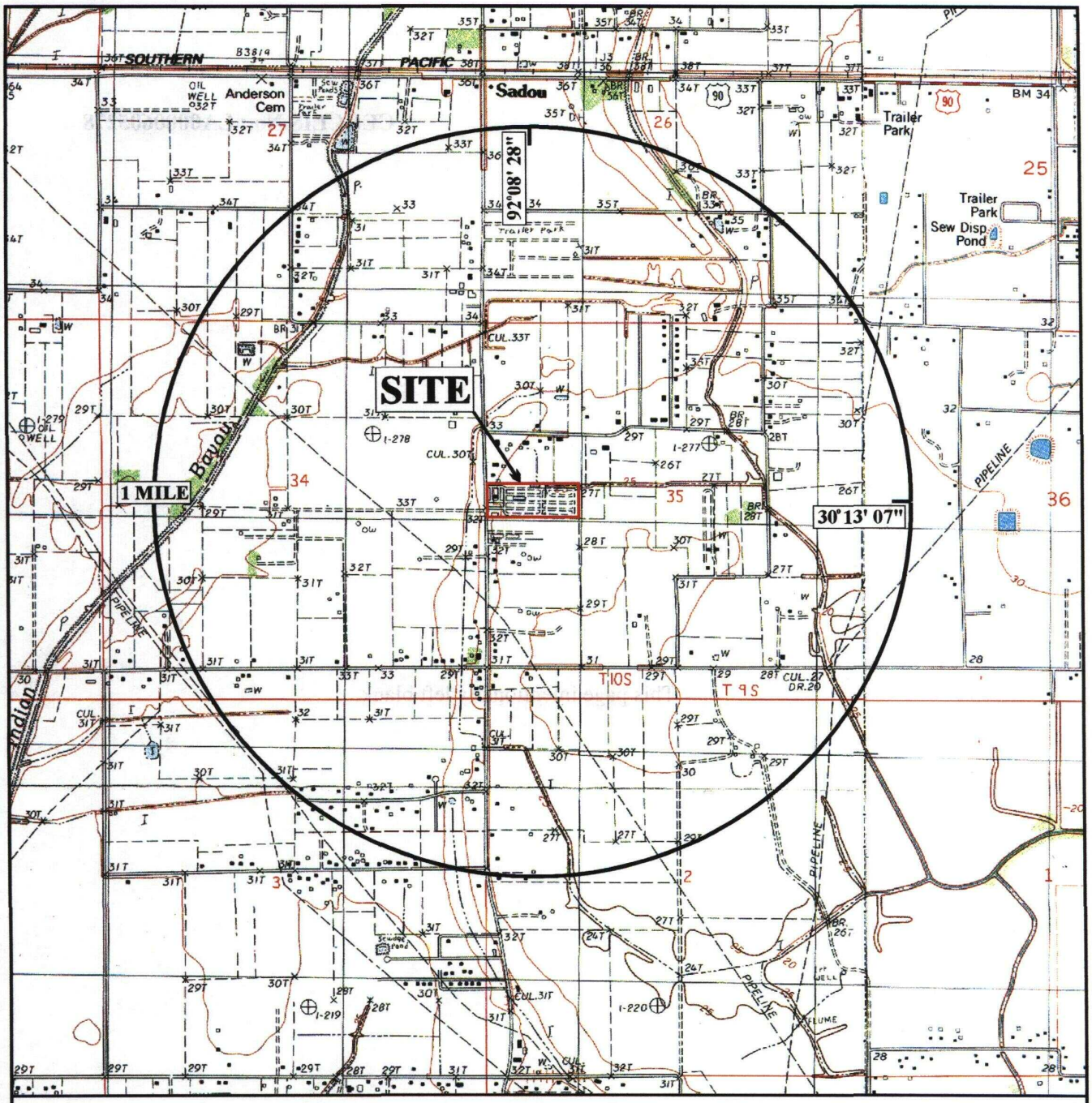
2.5 Source Evaluation And Hazardous Substance Identification

Sources identified at the site include six areas of contaminated soil, nine areas with drums, two sumps and one waste pile. The five of the contaminated soil areas consist of Area A2 (31 cubic yards of lead contaminated soil), Area A5 (140 cubic yards of lead contaminated soil), Area A6 (144 cubic yards of lead contaminated soil), Area A7 (cubic yards of lead contaminated soil), and Structure S1 (228 cubic yards of lead contaminated soil). The drum areas are located in one interior drum storage area (S4), and eight exterior drum storage areas (Areas A1, A4, A5, A7, A8, A9, S4, S1). The sump areas are located in two areas A5 (2,000 gallons of lead contaminated sludge) and S1 (undetermined volume of lead contaminated sludge). Pile P1 contains 263 cubic yards of 226-radium contaminated soil. The sources are summarized below in Table 2-3.

Table 2-3

Source Locations and Hazardous Substance Identification

Source	Contaminant	Area	Containment	Waste Quantities
Lead contaminated soil	Lead	S1	Covered with metal building	133 cubic yards
		A2	Vegetative cover	445 cubic yards
		A4		
		A5		
		A6		
		S1		
		A4	Exposed soil	97 cubic yards
		A6		
NORM contaminated soil	NORM	S1	Covered with metal building	107 cubic yards
		P1	Vegetative cover	926 cubic yards
		S1		
		Overall site		
		Overall site	Exposed soil	130 cubic yards
Sump sediments	Lead, Zinc, Barium, Chromium	A4	Concrete sides and bottom, no cover, secondary containment	10 cubic yards
	Unknown	A5	Concrete sides and bottom, no cover, secondary containment	10 cubic yards
	Lead, Zinc, Barium, Chromium	S1	Concrete sides and bottom, no cover, secondary containment	unknown
Drums	Unknown	A1	none	2,017 gallons
		A3		
		A4		
		A6		
		A7		
		A8		
		Scattered		
		S1	covered with metal building	50 gallons
		S4	concrete pad, no cover	145 gallons
		S4	covered and secure	50 gallons



N

SCALE 1:24 000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

LOUISIANA

QUADRANGLE LOCATION

SOURCE: U.S.G.S. 7.5 MIN. TOPOGRAPHIC QUADRANGLES - DUSON AND LAFAYETTE, LOUISIANA 1983

ecology and environment, inc. Superfund Technical Assessment & Response Team-Region 6	CERCLIS No.: LA0000605278	TDD No.: S06-00-02-0022
	FIGURE 2-1 SITE LOCATION MAP CACTUS PIPE DUSON, LAFAYETTE PARISH, LOUISIANA	
	File Name: cactus.cdr	Created by: Esther Yao	Date: 6/13/2000

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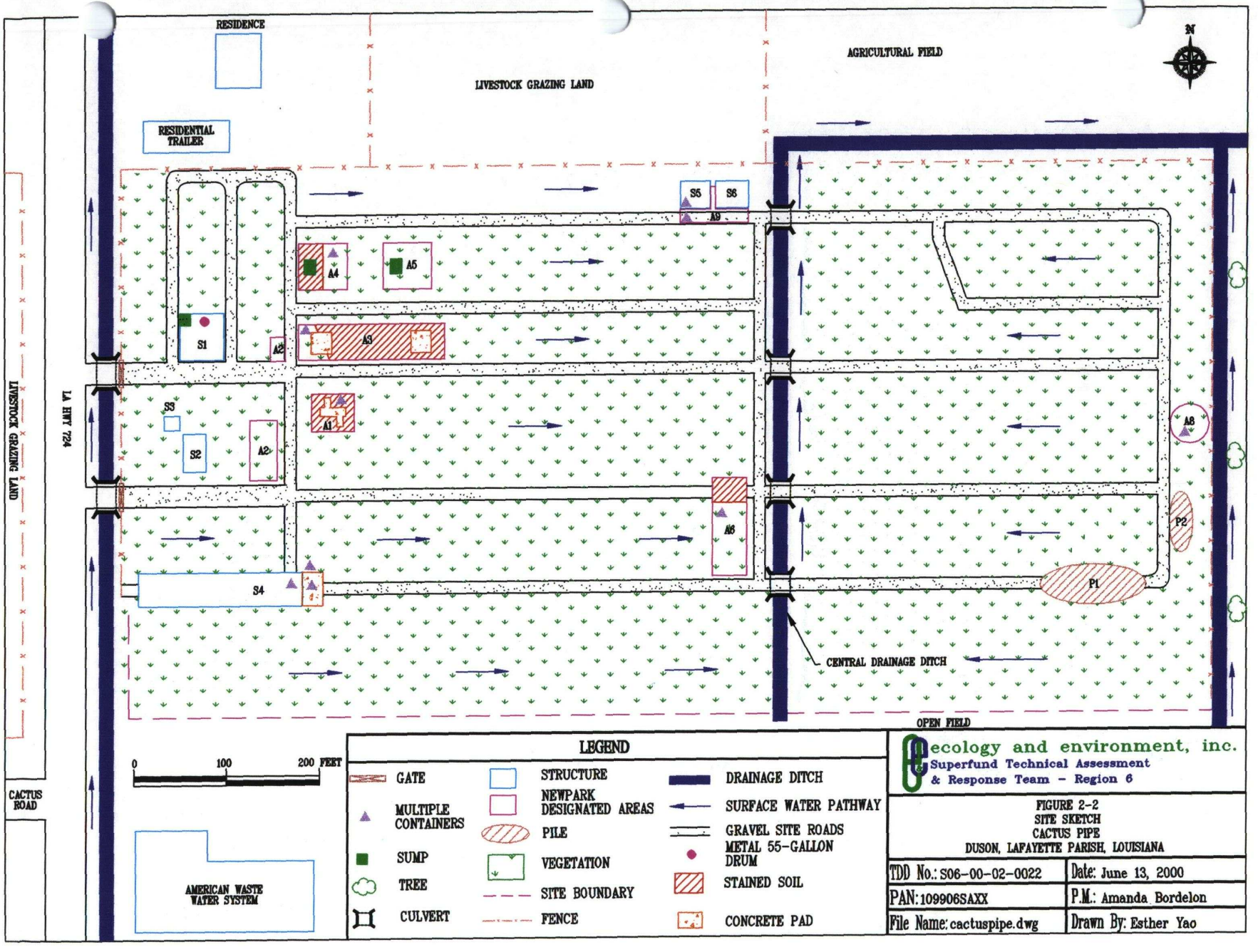
RESIDENCE
RESIDENTIAL TRAILER
LIVESTOCK GRAZING LAND
AGRICULTURAL FIELD
N
S5
S6
A9
A4
A5
S1
A2
A3
S3
S2
A2
A1
A8
A6
P2
S4
P1
CENTRAL DRAINAGE DITCH
OPEN FIELD
LIVESTOCK GRAZING LAND
LA HWY 724
CACTUS ROAD
AMERICAN WASTE WATER SYSTEM
0
100
200 FEET
LEGEND
GATE
MULTIPLE CONTAINERS
SUMP
TREE
CULVERT
STRUCTURE
NEWPARK DESIGNATED AREAS
PILE
VEGETATION
SITE BOUNDARY
FENCE
DRAINAGE DITCH
SURFACE WATER PATHWAY
GRAVEL SITE ROADS
METAL 55-GALLON DRUM
STAINED SOIL
CONCRETE PAD
ecology and environment, inc.
Superfund Technical Assessment & Response Team - Region 6
FIGURE 2-2
SITE SKETCH
CACTUS PIPE
DUSON, LAFAYETTE PARISH, LOUISIANA
TDD No.: S06-00-02-0022
Date: June 13, 2000
PAN: 109906SAXX
P.M.: Amanda Bordelon
File Name: cactuspipe.dwg
Drawn By: Esther Yao

3 Pathway Assessment

This section characterizes the environmental pathways and associated targets of contaminant migration from the facility.

3.1 Ground Water Migration Pathway

3.1.1 Ground Water Characteristics

The Chicot aquifer system (Chicot) underlies the majority of southwestern Louisiana and is the principal source of fresh ground water for this area. The Chicot consists of alternating beds of unconsolidated gravel, sand, and clay deposited during the Pleistocene Epoch. In the Lafayette Parish area, the Chicot is approximately 1,200 feet thick and is divided into a upper and lower sands. The upper sands extend to depths of approximately 850 feet BGS, are drawn for drinking water purposes, and have a hydraulic conductivity of approximately 0.05 feet per day. Water in the lower sands consists of salt water and are relatively unused. The Chicot has a surficial confining clay layer ("hard pan") that extends for approximately 100 feet BGS. The Evangeline aquifer underlies the Chicot and consists of mostly clay and saltwater sands (Ref. 26).

The annual net precipitation for the area as measured at the Lafayette Weather Station Outlet (WSO), approximately 20 miles east of the site is 19.2050 inches (Ref. 27).

3.1.2 Ground Water Receptors

According to the Louisiana Department of Transportation and Development (LDOTD) water resources division, there are 531 active water wells within the 4-mile target distance limit (TDL) of the site (Ref. 28). Four hundred and thirty-three of the 531 wells are domestic water wells. According to the City of Lafayette Department of Waterworks the households associated with these 433 wells are now served by a public water system and are no longer using the

domestic wells (Ref. 38). Therefore, these wells have not been counted as drinking water wells. Forty-five of the water wells are listed as irrigation, aquiculture, and fire protection. The remaining 53 wells are listed as a public supply water wells. Five of the 53 are used by commercial businesses for non-potable purposes; ten are listed to residential households but are no longer used for drinking water; and 14 are used for commercial companies that are no longer in existence (Ref. 28; Ref. 30; Ref. 31 through Ref. 37). Therefore, there are a total of 24 drinking water wells within the 4-mile TDL of the site and all of the wells are public supply. All of the water wells are completed in the Chicot aquifer ranging in depths of 85 feet to 463 feet B.S. (Ref. 26; Ref. 28). Figure 3-1 shows the location of all domestic and public supply drinking water wells within the 4-mile TDL.

The 24 public supply water wells distribute drinking water to individuals through 12 different water systems. The City of Lafayette water system consists of 16 wells with only seven located within the 4-mile TDLof the site (Ref. 29). This water system serves approximately 131,500 individuals (Ref. 30; Ref. 37). The approximate number of individuals served by each water well is 8,219.

The nearest residence has a water well used for irrigation (Ref. 2). The nearest drinking water well, a public supply water well (LDOTD No.-434), is located approximately one mile northeast of the site. There are no drinking water wells within a ½-mile radius of the site. There is one drinking water well within the ½ to 1-mile radius; four within the 1- to 2-mile radius; ten within the 2- to 3-mile radius; and nine within the 3- to 4-mile radius. The water systems and individuals served is as follows:

Table 3-1 Individuals Served by Public Supply Water Wells					
Public Water Systems	**0.5- to 1-mile**	**1- to 2-miles**	**2- to 3-miles**	**3- to 4-miles**	**Total**
Abshire Lawn SE				1 (1)	1 (1)
Bop Control			10 (1)		10 (1)
Brentwood Trailer	72 (1)				72 (1)
Cherokee Service			20 (1)		20 (1)
Country Aire			360 (2)		360 (2)
Duson, LA			2,160 (3)		2,160 (3)
Jackson Square			250 (1)		250 (1)
City of Lafayette		8,219 (1)		49,314 (6)	57,533 (7)
Lafayette Water District		2,200 (3)			2,200 (3)
Landall, Inc.				500 (2)	500 (2)
West Winds Subdivision			500 (1)		500 (1)
Wimbledon Apartments			32 (1)		32 (1)
Totals	**72 (1)**	**10,419 (4)**	**3,332 (10)**	**49,814 (9)**	**63,637 (24)**

Notes:

( )Denotes number of public supply water wells within each distance category (Ref. 28).

According to LDEQ, this site is not currently located within a designated Wellhead Protection Area (Ref. 39).

3.2 Surface Water Pathway

3.2.1 Surface Water Characteristics

The site contains a series of drainage ditches which limit the drainage basin to the area of the site, 20.525 acres (Ref. 12). Surface water runoff flows through the an intermittent drainage ditch located in the center of the site. This main, intermittent drainage ditch begins at the southern end of the site and flows north emptying into an intermittent tributary of the Coule lle

des Cannes. The intermittent tributary of the Coule lle des Cannes flows approximately 1.4 miles east, and then discharges into the Coule lle des Cannes, the probable point of entry (PPE) (Ref. 40).

From the PPE in the Coule lle des Cannes, surface water flows southeast approximately 9.8 miles and discharges into the Vermillion River. The remaining 5.2 miles of the 15-mile TDL is in the Vermillion River (Ref. 40). The Coule lle des Cannes is considered to be representative of a minimal stream and a flow rate of 10 cubic feet per second (cfs) was assigned. The Vermillion River is considered to be representative of a river and a flow rate of 1,000 cfs was assigned (Ref. 40).

From the Lafayette Parish Soil Survey, it appears that the western one-third of the site is located on the Coteau silt loam series. This is a somewhat poorly drained, nearly level, medium acidic, dark brown silt loam. The runoff is slow to moderate and water moves through the soil at a moderately slow rate. The majority of the site is located on the Frost silt loam. This is a poorly drained, nearly level, acidic, dark gray silt loam. The runoff is slow and water moves through the soil at a slow rate (Ref. 41).

The two-year, 24-hour rainfall is 6 inches (Ref. 42). The site is located within the 100 year floodplain (Ref. 43).

3.2.2 Surface Water Receptors

No surface water intakes exist within the 15-mile TDL for the site; however, fishing is documented in the Coule lle des Cannes and the Vermillion River (Ref. 30; Ref. 44).

The annual poundage of aquatic human food chain organisms caught and consumed cannot be documented (Ref. 44). It will be assumed that at least 100 pounds from the Coule lle des Cannes and 1,000 pounds from the Vermillion River of aquatic organisms are caught and consumed annually (Ref. 1; Ref. 44).

Wetlands are encountered approximately 0.87 miles downstream of the PPE for approximately 4.17 miles of the surface water pathway (Ref. 45). No other sensitive environments have been identified within the surface water pathways (Ref. 46).

3.3 Ground Water to Surface Water Pathway

The seasonal high ground water table fluctuates between a depth of 1.5 feet BGS and the surface during December through April (Ref. 41).

The nearest surface water is the Coule lle des Cannes, approximately 1.4 miles from the site (Ref. 40). The surface water elevation of the Coule lle des Cannes was not documented. However, because of the distance of the nearest surface water to the site, the potential for a ground water to surface water pathway is minimal.

3.4 Soil Exposure Pathway

3.4.1 Resident Threat Receptors

The site has been inactive since March 1995 (Ref. 4). No workers are present at the site. During the SI field activities, START did not observe any schools or day care centers located on site or within 200 feet of the source. The nearest resident borders the site, approximately 5-feet north of the site (Ref. 2). No commercial livestock production, grazing, silviculture, or agriculture occurs on the site (Ref. 2). There are no terrestrial sensitive environments located on site (Ref. 46).

3.4.2 Nearby Threat Receptors

The facility is enclosed by a chain-linked fence to the west, by chain-link and barbed wire fence to the north, barbed wire fence to the east, and is unbound to the south. (Ref. 2). Four wheel all terrain vehicle (ATV) tracks and spent shotgun shells were observed on site (Ref. 2). Therefore, the site is slightly accessible to the public, with some public recreational use (Ref. 1). The distance to the nearest occupied individual residence is five feet (Ref. 2). The population is 170 with in the 0- to ¼-mile radius; 207 within the ¼- to ½-mile radius, and 822 water within the ½- to 1-mile radius. There are no schools located within 1 mile of the site. (Figure 3-2; Ref. 40; Ref. 47).

Based on the characterization of the waste located on site and the minimal number of receptors, the soil exposure pathway is not of concern (Ref. 1).

3.5 Air Pathway

3.5.1 Air Pathway Characteristics

The areas of stained, contaminated soil are void of vegetation, producing a potential for particulate release to the air; however, there was no dust observed during the site reconnaissance (Ref. 1; Ref. 2).

3.5.2 Air Receptors

The nearest regularly occupied building is a residential home located approximately five feet north of the site (Ref. 2). The population residing within the 0- to ¼ mile radius was estimated by driving and counting the number of houses and multiplying by the average number of persons per household in Lafayette Parish, 2.98 persons (Ref. 48). The population of the remaining distance categories was determined by accessing the U.S. Census MARBLE/Geocorr V2.5 Geographic Correspondence Engine (Ref. 47). Population data is provided in the following table:

Table 3-2
Resident Population Data Within 4-Mile Radius
Cactus Pipe
Duson, Lafayette Parish, Louisiana

Distance Ring (mile radius)	Population Estimate
0 to ¼ mile	170
¼ to ½ mile	207
½ to 1 mile	822
1 to 2 miles	1,439
2 to 3 miles	7,342
3 to 4 miles	8,437
Total	**18,417**

There are no parks, agriculture, or silviculture, located within a 1-mile radius of the site.

A commercial facility, American Waste Water Systems borders the facility to the south (Ref. 2). There is one school located approximately 3.8 miles south of the site (Ref. 40).

There are no wetlands located on site. The wetland acreage within the 4-mile TDL of the site is summarized in the following table (Ref. 45):

Table 3-3
Wetland Acreage Within 4-Mile Radius
Cactus Pipe
Duson, Lafayette Parish, Louisiana

Distance Ring (mile radius)	Estimated Wetland Acreage
0 to ¼ mile	0
¼ to ½ mile	1
½ to 1 mile	14
1 to 2 miles	60
2 to 3 miles	75
3 to 4 miles	33
Total	**183**

There are no additional terrestrial sensitive environments located within a 4-mile radius of the site (Ref. 46). Despite an adjacent residence, the nearby resident population is low and the air pathway is of no concern (Ref. 2).

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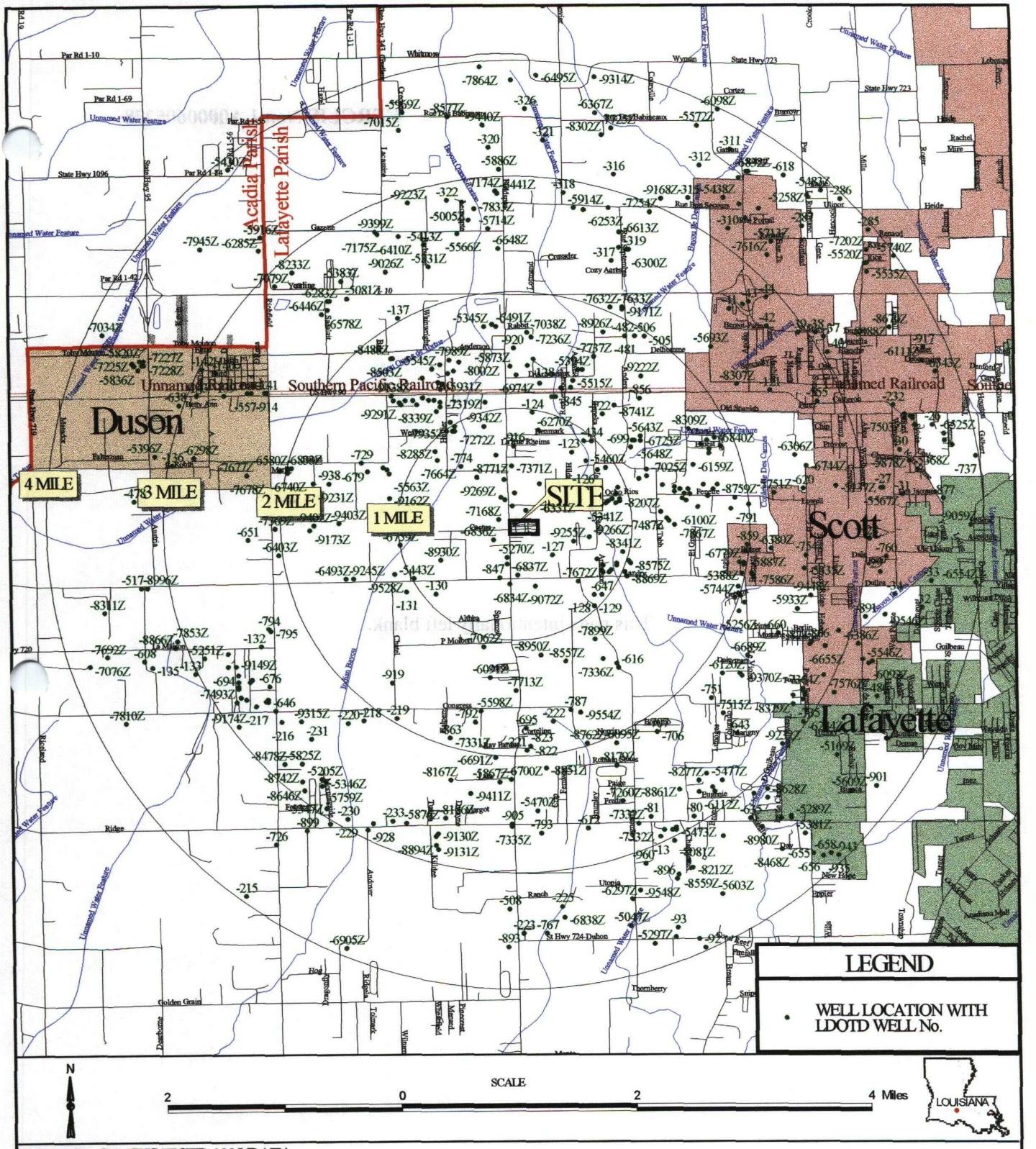

SOURCE: CENSUS TIGER 1995 DATA

ecology and environment, inc. Superfund Technical Assessment & Response Team-Region 6	CERCLIS No.: LA0000605278	TDD No.: S06-00-02-0022
	FIGURE 3-1 WELL LOCATION MAP CACTUS PIPE DUSON, LAFAYETTE PARISH, LOUISIANA	
	File Name: cactus.apr	Created By: Esther Yao	Date: 6/15/2000

000034

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4 Summary

The Cactus site is an abandoned oil-field pipe-yard. Site operations included the cleaning, threading, and distribution of drill pipe for oilfield use. Since the facility closed in 1995, there have been numerous LDEQ inspections.

The ground water pathway is of concern. There exists the potential for a release of hazardous substances from sources at the site to ground water. In addition, approximately 63,637 individuals within the 4-mile target distance limit that use the Chicot aquifer for drinking water. However, the nearest drinking water well is one mile northeast of the site.

The surface water pathway is of low concern. There are no runoff controls for the sources at the site. However, the PPE is located approximately 1.4 miles from the site.

The soil exposure and air migration pathways are of no concern. The site is inactive and there are no on-site workers or residential targets associated with the site. The nearest home is approximately five feet away from the closest on-site source; however, the nearby population is low.

The following data gaps were identified during the PA of Cactus:

- The enrollment of the schools within the TDLs;
- The volume of the sump located in S1;
- The volume of soil contaminated with 226-Radium;
- The contents of the drums; and
- The usage of domestic water wells.

5 References

1 U.S. EPA Hazard Ranking System (HRS); Final Rule. 40 CFR, Part 300, pp. 51532-51667. December 14, 1990.

2 Preliminary Assessment Logbook. Cactus Pipe, Duson, Lafayette Parish, Louisiana. Ecology and Environment, Inc. April 13, 2000.

3 Memorandum. Results of Civil Records Search at the Lafayette Parish Courthouse. Louisiana Department of Environmental Quality, Office of Waste Services, Inactive and Abandoned Sites Division. January 26, 1998.

4 Letter, Subject: Cactus Pipe Site (IAS # 01806) Duson, Louisiana. From Dale Givens, Secretary of Louisiana Department of Environmental Quality. To Jack Bender, Registered Agent for Service, Cactus Pipe and Supply Co. June 30, 1999.

5 State Site Assessment Phase II. Louisiana Department of Environmental Quality, Office of Waste Services, Inactive and Abandoned Sites Division.

6 State Site Assessment Phase I. Louisiana Department of Environmental Quality, Office of Waste Services Inactive and Abandoned Sites Division.

7 Record of Communication. Subject: Cactus Pipe. From John E. Pomier, Owner of American Waste Water Systems. To Doug McReynolds, Ecology and Environment, Inc. March 3, 2000.

8 Record of Communication. Subject: Cactus Ownership. From Vicki, Tax Office, Lafayette Parish, Louisiana. To Jim Dellinger, Ecology and Environment, Inc. March 2, 2000.

9 Record of Communication. Subject: Cactus Pipe and Supply. From Robert Baldwin, Registered Agent for Service, BBCP Investments, Inc. To Jim Dellinger, Ecology and Environment, Inc. March 2, 2000.

10 Record of Communication. Subject: Cactus Pipe Property. From Louis Buatt Louisiana Department of Environmental Quality, Legal Division. To Jim Dellinger, Ecology and Environment, Inc. March 2, 2000.

11 Record of Communication. Subject: Access Agreement. From William Garry, President of GEO Pipe. To Amanda Bordelon, Ecology and Environment, Inc. April 12, 2000.

12 Affidavit of Phillip O. Clark, P.h.D., United States Bankruptcy Court for the Northern District of Illinois Eastern Division. May 16, 1995.

13 Removal Assessment Logbook. Cactus Pipe and Supply, Duson, Lafayette parish, Louisiana, Ecology and Environment, Inc.

14 Summary of Drums Survey Information, START, May 19, 2000.

15 Louisiana Administrative. Code Title 33. Part XV Radiation Protection. 1404.A.

16 Letter. Subject: NORM Survey. From: William L Ready, Cactus Pipe & Supply Branch Manager. To: Mike D. McDaniel, Ph.D., Assistant Secretary Nuclear Energy Division. October 17, 1990.

17 Record of Communication. Subject: NORM. To: Albert LaGroue, Louisiana Department of Environmental Quality, Radiation Protection Division. From: Amanda Bordelon, Ecology and Environment, Inc. May 10, 2000.

18 General Inspection. GEO Pipe f/k/a Cactus Pipe & Supply Company. Louisiana Department of Environmental Quality, Office of Solid and Hazardous Waste Division. June 7, 1995.

19 Memorandum. Subject: GEP Pipe/ Cactus Pipe IASD ID #01806 Duson, Louisiana. To: Caroline C. Donlon, Senior Attorney Legal Division. From: Michael Denry, Program Manager Radiation Protection Division. June 9, 1995.

20 Sampling Inspection. GEO Pipe f/k/a Cactus Pipe & Supply Company. Louisiana Department of Environmental Quality, Office of Solid and Hazardous Waste Division. June 21, 1995.

21 Compliance Order HE-C-95-0207. GEO Pipe f/k/a Cactus Pipe & Supply Company. Louisiana Department of Environmental Quality, Office of Solid and Hazardous Waste Division. July 31, 1995.

22 General Inspection Report. GEO Pipe f/k/a Cactus Pipe & Supply Company. Louisiana Department of Environmental Quality, Office of Solid and Hazardous Waste Division. July 13, 1995.

23 Letter. Subject: Settlement Agreement between GEO Pipe Company and LDEQ. From Matthew N. Kleiman. To William J. Garry and Louis Buatt. August 28, 1995.

24 Letter. Citizen Complaint. From: Gil Pinac, State Representative District 42. To: Jim Brent Louisiana Department of Environmental Quality. December 3, 1997.

25 Potential Hazardous Waste Site Primary Identification and Information Form. Louisiana Department of Environmental Quality Waste Services, Inactive and Abandoned Sites Division. December 10, 1997.

26 Distribution of Saltwater in the Chicot Aquifer System of Southwestern Louisiana, 1995-96. United States Department of the Interior, United States Geological Survey (USGS, in cooperation with the Louisiana Department of Transportation and Development). 1999.

27 Letter. Net Precipitation Values. From: Andrew M. Platt, Group Leader, MITRE Corporation. To: Lucy Sibold, United States Environmental Protection Agency. May 26, 1988.

28 Four Mile Radius Search of Registered Water Wells within the Townships Surrounding Cactus Pipe, Duson, Lafayette Parish, Louisiana; Louisiana Department of Transportation and Development.

29 Record of Communication. Subject: Water Wells. To: Ralph Avera, City of Lafayette. From: Brian Maillet, Ecology and Environment, Inc. May 9, 2000.

30 Current Drinking Water Standard, EPA, Office of Ground Water and Drinking Water. April 2000. Web site: http://www.epa.gov/enviro/html/sdwis/sdwis_query.html.

31 Record of Communication. Subject: Use of Public Supply Well. To: Mike, owner of Abshire Lawn Service. From: Amanda Bordelon, Ecology and Environment, Inc. April 11, 2000.

32 Record of Communication. Subject: Use of Public Supply Well. To: Linda Hall, Cherokee Service. From: Amanda Bordelon, Ecology and Environment, Inc. April 11, 2000.

33 Record of Communication. Subject: Use of Public Supply Well. To: BOP Control. From: Amanda Bordelon, Ecology and Environment, Inc. April 11, 2000.

34 Record of Communication. Subject: Water Well. To: Belva Costello, Guidry Construction. From: Brian Maillet, Ecology and Environment, Inc. May 10, 2000.

35 Record of Communication. Subject: Water Well. To: Tex Green, Soloco, Inc. From: Brian Maillet, Ecology and Environment, Inc. May 10, 2000.

36 Record of Communication. Subject: Water Well. To: Mike Harris, Del Corporation. From: Brian Maillet, Ecology and Environment, Inc. May 10, 2000.

37 Record of Communication. Subject: Water Well. To: Tammy Roberts, Scott City Hall. From: Brian Maillet, Ecology and Environment, Inc. May 10, 2000.

38 Record of Communication. Subject: City of Lafayette Water Supply. To: Tom Simon, city of Lafayette Water. From: Brian Maillet, Ecology and Environment, Inc. May 10, 2000.

39 Record of Communication. Subject: Wellhead Protection Information. To: Don Haydel Louisiana Department of Environmental Quality, Wellhead Protection. From: Amanda Bordelon, Ecology and Environment, Inc. April 10, 2000.

40 USGS 7.5 Minute Series Topographic Maps. Duson, LA (1983), Carencro (1983), Lafayette (1994), Mire (1983), Milton (1993).

41 Soil Survey of Lafayette Parish, Louisiana. U. S. Department of Agriculture, Soil Conservation Service in cooperation with the Louisiana Agriculture Experimentation Station. August 1977.

42 Rainfall Frequency Atlas of The United States. Technical Paper No. 40. David Herschfield, U.S. Department of Commerce. May 1961.

43 Flood Insurance Map, Lafayette Parish, Louisiana and Unincorporated Areas. Federal Emergency Management Agency. Map No.: 22055C0040H. Effective Date: January 20, 1999.

44 Record of Communication. Subject: Target in the Surface Water Pathway. To: Jack Deshotels, Louisiana Department of Environmental Quality, Water Surveillance. From: Amanda Bordelon, Ecology and Environment, Inc. May 10, 2000.

45 U. S. Department of Interior, Fish and Wildlife Service Wetland Inventory Maps. Carencro (1992), Mire (1992), Duson (1992), Lafayette (1992)

46 Letter. Subject: Database Search, Project near Duson, LA. From: Gary Lester, Coordinator, Natural Heritage Program, Louisiana Department of Wildlife and Fisheries. To: Doug McReynolds, Ecology and Environment, Inc. March 21, 2000.

47 MARBLE/Geocorr V2.5 Grographic Correspondence Engine. U.S. Census Bureau. 1990. Web site: www.census.gov.

48 Median and Average Number of Persons Per Household in Louisiana Parishes. Center for Business and Economic Research, University of Louisiana at Monroe, Louisiana. 1990 Web site: http://leap.nlu.edu

Appendix A
Photographic Documentation

PHOTOGRAPH TR[illegible]ING SYSTEM
START REGION 6

DATE	TIME	PHOTO #	DIRECTION	COMMENTS	PHOTOGRAPHER\WITNESS
04/13/1900	0758	101	northeast	Pan of site west of Hwy 724 (1 of 3).	B.Maillet/A.Bordelon
04/13/1900	0758	102	east	Pan of site west of Hwy 724 (2 of 3).	B.Maillet/A.Bordelon
04/13/1900	0758	103	southeast	Pan of site west of Hwy 724 (3 of 3).	B.Maillet/A.Bordelon
04/13/1900	0759	104	west	Farm animal pasture west of property.	B.Maillet/A.Bordelon
04/13/1900	0800	105	southeast	Commerical property south of site.	B.Maillet/A.Bordelon
04/13/1900	0801	106	northeast	Residential property north of site.	B.Maillet/A.Bordelon
04/13/1900	0805	107	northeast	Caution Radiation Area sign.	B.Maillet/A.Bordelon
04/13/1900	0811	108	north	Water well shed.	B.Maillet/A.Bordelon
04/13/1900	0817	109	east	Locker Room structure.	B.Maillet/A.Bordelon
04/13/1900	0819	110	southwest	Warehouse.	B.Maillet/A.Bordelon
04/13/1900	0819	111	southeast	Warehouse.	B.Maillet/A.Bordelon
04/13/2000	0841	112	southeast	Casing Cutter Area	B.Maillet/A.Bordelon
04/13/1900	0910	113	southeast	Rear Hydrotesting Area sump.	B.Maillet/A.Bordelon
04/13/1900	0912	114	east	Two sheds.	B.Maillet/A.Bordelon
04/13/1900	0929	115	north	Open access along northern fenceline.	B.Maillet/A.Bordelon
04/13/1900	0929	116	north	Radiation Restricted Area at Pile #1.	B.Maillet/A.Bordelon
04/13/1900	0945	117	south	Commercial property southeast of site.	B.Maillet/A.Bordelon
04/13/1900	0945	118	southeast	Southern boundary without a fence.	B.Maillet/A.Bordelon
04/14/1900	0948	119	northwest	Southern boundary without a fence.	B.Maillet/A.Bordelon
04/15/1900	0948	120	north	Southern boundary without a fence.	B.Maillet/A.Bordelon
04/13/1900	0948	121	northeast	Southern boundary without a fence.	B.Maillet/A.Bordelon
04/13/1900	0950	122	south	ATV tracks along southern boundary.	B.Maillet/A.Bordelon
04/13/1900	0950	123	east	Radiation Restricted Area at Pile #2.	B.Maillet/A.Bordelon
04/13/1900	1005	124	southwest	Pan of Maintenance Area (1 of 12).	B.Maillet/A.Bordelon

A-3

PHOTOGRAPH TR[illegible]ING SYSTEM
START REGION 6

DATE	TIME	PHOTO #	DIRECTION	COMMENTS	PHOTOGRAPHER\WITNESS
04/13/1900	1106	201	west	Pan of Maintenance Area (2 of 12).	B.Maillet/A.Bordelon
04/13/1900	1006	202	northwest	Pan of Maintenance Area (3 of 12).	B.Maillet/A.Bordelon
04/13/1900	1007	203	northwest	Pan of Maintenance Area (4 of 12).	B.Maillet/A.Bordelon
04/13/1900	1007	204	north	Pan of Maintenance Area (5 of 12).	B.Maillet/A.Bordelon
04/13/1900	1007	205	northeast	Pan of Maintenance Area (6 of 12).	B.Maillet/A.Bordelon
04/13/1900	1008	206	northeast	Pan of Maintenance Area (7 of 12).	B.Maillet/A.Bordelon
04/13/1900	1008	207	east	Pan of Maintenance Area (8 of 12).	B.Maillet/A.Bordelon
04/13/1900	1008	208	southeast	Pan of Maintenance Area (9 of 12)	B.Maillet/A.Bordelon
04/13/1900	1008	209	southeast	Pan on Maintenance Area (10 of 12).	B.Maillet/A.Bordelon
04/13/1900	1009	210	south	Pan of Maintenance Area (11 of 12).	B.Maillet/A.Bordelon
04/13/1900	1009	211	southwest	Pan of Maintenance Area (12 of 12).	B.Maillet/A.Bordelon
04/13/1900	1011	212	north	Front Hydrotesting Area sump.	B.Maillet/A.Bordelon
04/13/1900	1024	213	east	Locked gate.	B.Maillet/A.Bordelon

A-5

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 104 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0759 DIRECTION: west
Farm animal pasture west of property.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 103 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0758 DIRECTION: southeast
Pan of site west of Hwy 724 (3 of 3).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 102 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0758 DIRECTION: east
Pan of site west of Hwy 724 (2 of 3).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 101 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0758 DIRECTION: northeast
Pan of site west of Hwy 724 (1 of 3).

A-7

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 108 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0811 DIRECTION: north
Water well shed.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 106 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0801 DIRECTION: northeast
Residential property north of site.

A-8

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 107 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0805 DIRECTION: northeast
Caution Radiation Area sign.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 105 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0800 DIRECTION: southeast
Commerical property south of site.

A-9

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 112 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/2000 TIME: 0841 DIRECTION: southeast
Casing Cutter Area

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 111 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0819 DIRECTION: southeast
Warehouse.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 110 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0819 DIRECTION: southwest
Warehouse.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 109 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0817 DIRECTION: east
Locker Room structure.

A-11

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 116 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0929 DIRECTION: north
Radiation Restricted Area at Pile #1.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 115 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0929 DIRECTION: north
Open access along northern fenceline.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 114 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0912 DIRECTION: east
Two sheds.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 113 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0910 DIRECTION: southeast
Rear Hydrotesting Area sump.

A-13

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 120 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/15/1900 TIME: 0948 DIRECTION: north
Southern boundary without a fence.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 118 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0945 DIRECTION: southeast
Southern boundary without a fence.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 119 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/14/1900 TIME: 0948 DIRECTION: northwest
Southern boundary without a fence.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 117 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0945 DIRECTION: south
Commercial property southeast of site.

A-15

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 124 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1005 DIRECTION: southwest
Pan of Maintenance Area (1 of 12).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 123 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0950 DIRECTION: east
Radiation Restricted Area at Pile #2.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 122 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0950 DIRECTION: south
ATV tracks along southern boundary.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 121 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 0948 DIRECTION: northeast
Southern boundary without a fence.

A-17

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 204 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1007 DIRECTION: north
Pan of Maintenance Area (5 of 12).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 203 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1007 DIRECTION: northwest
Pan of Maintenance Area (4 of 12).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 202 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1006 DIRECTION: northwest
Pan of Maintenance Area (3 of 12).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 201 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1106 DIRECTION: west
Pan of Maintenance Area (2 of 12).

A-19

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 208 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1008 DIRECTION: southeast
Pan of Maintenance Area (9 of 12)

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 207 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1008 DIRECTION: east
Pan of Maintenance Area (8 of 12).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 206 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1008 DIRECTION: northeast
Pan of Maintenance Area (7 of 12).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 205 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1007 DIRECTION: northeast
Pan of Maintenance Area (6 of 12).

A-21

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 212 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1011 DIRECTION: north
Front Hydrotesting Area sump.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 211 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1009 DIRECTION: southwest
Pan of Maintenance Area (12 of 12).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 210 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1009 DIRECTION: south
Pan of Maintenance Area (11 of 12).

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 209 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1008 DIRECTION: southeast
Pan on Maintenance Area (10 of 12).

PRIVATE
PROPERTY
NO
TRESPASSING

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 214 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1024 DIRECTION: east
Locked gate.

SITE NAME: Cactus Pipe TDD#: S06-0002-022
PHOTO#: 213 PHOTOGRAPHER/WITNESS: B.Maillet/A.Bordelon
DATE: 04/13/1900 TIME: 1015 DIRECTION: north
Grazing horses North of the site.

Appendix B
Negatives
(Located in the Baton Rouge File Copy Only)

APPENDIX B
NEGATIVES
(LOCATED IN THE BATON ROUGE FILE COPY ONLY)

CACTUS PIPE INC.
(DUSON, LAFAYETTE PARISH, LOUISIANA)

CERCLIS NO.: LA0000605278
TDD NO.: S06-00-02-0022
PAN: 06.109906SAXX

Appendix C
Copy of Technical Directive Document S06-00-02-0022 and Amendments A and B

EPA

Technical Direction Document (TDD)

06-00-02-0022

START CONTRACT #: 68-W6-0013

Activity Type: IV.A.1 Preliminary Assessments **Task:** Preliminary Assessment **General Task Description:** Tasking of 7 South Louisiana Parish , Louisiana sites for preliminary assessments **Estimated Completion Date:** 04/18/2000	**Created On:** 02/22/2000 **DPO/PO:** Henry Thompson **Task Monitor:** Jon Rinehart **Task Codes:** SA; QB
Site/Project Name: Preliminary Assessments in Louisiana **Street Address:** See below **City, State, Zip:** Louisiana,	**Estimated Cost:** $47,835.90 **Estimated Hrs:** 945 **Dedicated:**945 **Non-Dedicated:**0
Funds Source: CERCLA Site Assessment **DCN #(s):** SCR039 (B52) CERCLA General $47,835.90	**Deliverable:**Other, Preliminary Assessment Reports **Overtime:** Not Applicable **Reference:** No
TDD Expenditure Limit: $47,835.90 **Hours:** 945 **Dedicated Hours:** 945 **Non-Dedicated Hours:** 0	**Staffing:** Dedicated Staff **Priority:** Medium **Start Date:** 02/18/2000

Specific Element(s): Refer to Statement of Work--08/02/94, IAW Y4 AWP

Comments: 1. Conduct preliminary assessments on a list of 7 South Louisiana Parish, Louisiana sites.(Falken Refining, Architectural Industries Inc., Jeff Davis Farmers Coop, Lyon Flying Service, CBEX Oil, Cactus Pipe, Teche Sugar Mill)

2. Contact TM to schedule meeting and attend to receive and discuss site list and workplan and work schedule.
3. Conduct Preliminary Assessments per SOW and EPA Guidance EPA /540/G-91/013 "Guidance for Performing Preliminary Assessments Under CERCLA" to document the presence of any hazardous substances at the site and evaluate all contaminant migration pathways. Prepare proposed schedule for field screening, with map which places identified sites into geographic areas based on proxmity to one another, for TM approval. These assessments will require an access letter. Sites should be scheduled to minimize driving time between sites.
4. Prepare field documentation for each site to include map with clustering of sites into groups, Field screening documentation , LDEQ Meeting/DocumentationResearch if necessary. Provide two copies of the final report containing information for each of the 7 sites.
5. The contractor shall conduct the field documentation based on a regular work schedule.

Standard Language: Coordinate with Task Monitor

A. TDD Created By: - Signed by Jon Rinehart/R6/USEPA/US on 02/18/2000 12:29:39 PM, according to /USE

Signed On:

B. Reviewed and Approved By: - Signed by Tobin Osterberg/R6/USEPA/US on 02/22/2000 02:17:38 PM, acc

Contract Officer: Tobin Osterberg

02/22/2000
Signed On:

FR Olliver
1099SGSAXX
81099

SCMS R6 Database - 1. TDDs \ A. By Month Printed On 02/22/2000 at 02:46:31 PM

C-01

TOTAL P.04

EPA

Technical Direction Document Amendment

06-00-02-0022-A

START CONTRACT #: 68-W6-0013

Activity Type: IV.A.1 Preliminary Assessments **Task:** Preliminary Assessment **General Task Description:** Tasking of 7 South Louisiana Parish , Louisiana sites for preliminary assessments **Completion Date:** 05/20/2000	**Created On:** 04/18/2000 **DPO/PO:**Henry Thompson **Task Monitor:** Jon Rinehart **Task Codes:** SA; QB
Site/Project Name: Preliminary Assessments in Louisiana **Street Address:** See below **City, State, Zip:** Louisiana ,	**Estimated Cost :**$0.00 **Estimated Hrs:** 0 **Dedicated:**0 **Non-Dedicated:**0
Funds Source: CERCLA Site Assessment **DCN #(s):** SCR039 (B52) CERCLA General $0.00	**Deliverable:** Other, Preliminary Assessment Reports **Overtime:** Not Applicable **Reference:** No
TDD Expenditure Limit: $47,835.90 **Hours:** 945 **Dedicated Hours:** 945 **Non-Dedicated Hours:** 0	**Staffing:** Dedicated Staff **Priority:** Medium **Start Date:** 02/18/2000

Specific Element(s): Refer to Statement of Work--08/02/94, IAW Y4 AWP

Comments: This TDD is being amended (A) to extend the due date from April 18th to May 20th with no additional cost or hours to be incurred. This extension will allow for a more accurate document to be submitted.

1. Conduct preliminary assessments on a list of 7 South Louisiana Parish, Louisiana sites.(Falken Refining, Architectural Industries Inc., Jeff Davis Farmers Coop, Lyon Flying Service, CBEX Oil, Cactus Pipe, Teche Sugar Mill)
2. Contact TM to schedule meeting and attend to receive and discuss site list and workplan and work schedule.
3. Conduct Preliminary Assessments per SOW and EPA Guidance EPA /540/G-91/013 "Guidance for Performing Preliminary Assessments Under CERCLA" to document the presence of any hazardous substances at the site and evaluate all contaminant migration pathways. Prepare proposed schedule for field screening, with map which places identified sites into geographic areas based on proxmity to one another, for TM approval. These assessments will require an access letter. Sites should be scheduled to minimize driving time between sites.
4. Prepare field documentation for each site to include map with clustering of sites into groups, Field screening documentation , LDEQ Meeting/DocumentationResearch if necessary, Provide two copies of the final report containing information for each of the 7 sites.
5. The contractor shall conduct the field documentation based on a regular work schedule.

A. TDD Created By: - Signed by Jon Rinehart/R6/USEPA/US on 04/17/2000 12:33:34 PM, according to /US

Signed On:

B. Reviewed and Approved By: - Signed by Tobin Osterberg/R6/USEPA/US on 04/18/2000 03:47:30 PM, acc

Contract Officer: 04/18/2000

Tobin Osterberg Signed On:

Dellinger

EPA

Technical Direction Document Amendment

06-00-02-0022-B

START CONTRACT #: 68-W6-0013

Activity Type: IV.A.1 Preliminary Assessments **Task:** Preliminary Assessment **General Task Description:** Tasking of 7 South Louisiana Parish , Louisiana sites for preliminary assessments **Completion Date:** 06/15/2000	**Created On:** 05/25/2000 **DPO/PO:**Henry Thompson **Task Monitor:** Jon Rinehart **Task Codes:** SA; QB
Site/Project Name: Preliminary Assessments in Louisiana **Street Address:** See below **City, State, Zip:** Louisiana ,	**Estimated Cost :**$0.00 **Estimated Hrs:** 0 **Dedicated:**0 **Non-Dedicated:**0
Funds Source: CERCLA Site Assessment **DCN #(s):** SCR039 (B52) CERCLA General $0.00	**Deliverable:** Other, Preliminary Assessment Reports **Overtime:** Not Applicable **Reference:** No
TDD Expenditure Limit: $47,835.90 **Hours:** 945 **Dedicated Hours:** 945 **Non-Dedicated Hours:** 0	**Staffing:** Dedicated Staff **Priority:** Medium **Start Date:** 02/18/2000

Specific Element(s): Refer to Statement of Work--08/02/94, IAW Y4 AWP

Comments: This TDD is being amended (B) to extend the due date only to allow completion of the report. There will be no additional cost or hours incurred.

This TDD is being amended (A) to extend the due date from April 18th to May 20th with no additional cost or hours to be incurred. This extension will allow for a more accurate document to be submitted.

1. Conduct preliminary assessments on a list of 7 South Louisiana Parish, Louisiana sites.(Falken Refining, Architectural Industries Inc., Jeff Davis Farmers Coop, Lyon Flying Service, CBEX Oil, Cactus Pipe, Teche Sugar Mill)
2. Contact TM to schedule meeting and attend to receive and discuss site list and workplan and work schedule.
3. Conduct Preliminary Assessments per SOW and EPA Guidance EPA /540/G-91/013 "Guidance for Performing Preliminary Assessments Under CERCLA" to document the presence of any hazardous substances at the site and evaluate all contaminant migration pathways. Prepare proposed schedule for field screening, with map which places identified sites into geographic areas based on proxmity to one another, for TM approval. These assessments will require an access letter. Sites should be scheduled to minimize driving time between sites.
4. Prepare field documentation for each site to include map with clustering of sites into groups, Field screening documentation , LDEQ Meeting/DocumentationResearch if necessary, Provide two copies of the final report containing information for each of the 7 sites.

5. The contractor shall conduct the field documentation based on a regular work schedule.

A. TDD Created By: - Signed by Jon Rinehart/R6/USEPA/US on 05/24/2000 07:39:20 AM, according to /US

Signed On:

B. Reviewed and Approved By: - Signed by Tobin Osterberg/R6/USEPA/US on 05/25/2000 01:03:36 PM, acc

Contract Officer: 05/25/2000

Tobin Osterberg Signed On:

Dellinger

CERCLIS No.: LA0000605278

Reference 1

TDD No.: S06-00-02-0022

Federal Register

Friday
December 14, 1990

Part II

Environmental Protection Agency

40 CFR Part 300
Hazard Ranking System; Final Rule

CERCLIS No.: LA0000605278

Reference 2

TDD No.: S06-00-02-0022

ecology and environment, inc.

International Specialists in the Environment

Job Number 000608.KJ06.05

Cactus Pipe Preliminary Assessment
Duson, Lafayette Parish, LA

E & E Job Number KJ06.05

Telephone Code Number 81099

Site Name Cactus Pipe

City/State Duson, Lafayette Parish, LA

TDD S06-00-02-0022

PAN 06.109906SAXX

SSID

Start / Finish Date 4/13/00 / 4/13/00

Book 1 of 1

E & E Emergency Response Center: (716) 684-8940
E & E Corporate Center: (716) 684-8060
MEDTOX Hotline: (501) 370-8263
E & E Safety Director (Home): (716) 655-1260

2
4/13/00 S06-00-02-0022

Photolog

Camera: Nikon 35-80 mm EPA# ~~611688~~ 724718 alt 4/13/00

Date	Time	Dir	Roll/Frame	Description	P/W
4/13/00	0758	NE	1/1	Pan of site west of Hwy 724	BM/AB
	↓	E	1/2	↓	
		SE	1/3		
	0759	W	1/4	Farm animal pasture on west	
	0800	SE	1/5	Commercial property on south	
	0801	NE	1/6	Residential property on north	
	0805	NE	1/7	Caution Radiation Area. sign	
	0811	N	1/8	Water well shed	
	0817	E	1/9	Office Building	
	0819	SW	1/10	Warehouse	
	0819	SE	1/11	↓	
	0841	SE	1/12	Casing Cutter Area	
	0910	SE	1/13	Hydro Static Testing rear sump	
	0912	E	1/14	Sheds	
	0929	N	1/15	Open access along N fenceline	
	0935	SE	1/16	Sign Radiation Restricted Area	
	0945	S	1/17	Southeast corner off site property	
	0945	SE	1/18	Southern boundary w/o fence ↓	
	0948	NW	1/19	↓	
	0948	N	1/20		
	0948	NE	1/21		
	0950	S	1/22	ATV tracks south boundary	
	0950	~~W~~ alt NE	1/23	Radiation Restricted Area Rule #2	
	1005	SW	1/24	Pan ~~between~~ maintance area stained soil	
	1006	W	2/1	2 of 12	
	1006	NW	2/2	3 of 12	
	1007	NW	2/3	4 of 12	
	1007	N	2/4	5 of 12	
	1007	NE	2/5	6 of 12	
	1008	NE	2/6	7 of 12	

Amanda Bordela

00-02-0022 4/13/00 306-00-02-0022

Photolog

Camera:

Date	Time	Dir	Roll/Frame	Description	P/W BM/AB
4/13/00	1005	E	2/7	Maintenance Area Pan 8 of 12	
	1008	SE	2/8	9 of 12	
	1008	SE	2/9	10 of 12	
	1009	S	2/10	11 of 12	
	1009	SW	2/11	12 of 12	
	1011	N	2/12	Hydro Static testing front sump	
	1024	E	2/~~13~~ 14	Locked gate	
	1015	N	2/13	Grazing horses N of site	

P/W BM/AB

west
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sump

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Are
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Pile #2
a stained soil
2 of 12
3 of 12
4 of 12
5 of 12
6 of 12
7 of 12

SXLC-00-02-0022

Photolog

Camera:

Date	Time	Dir	Roll/Frame	Description	P/W	Co Do

xle-00-02-0022

Photolog

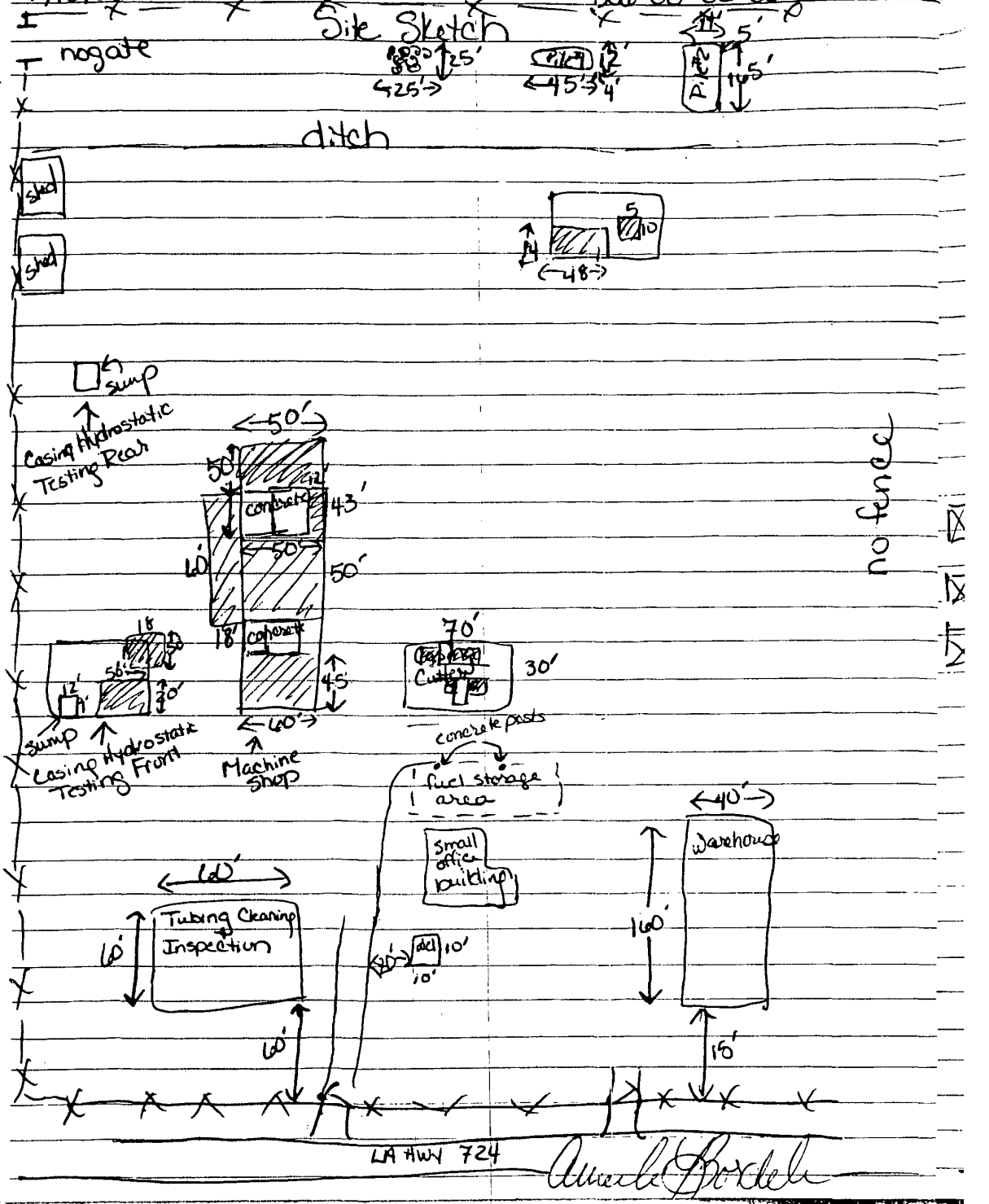
Camera:

P/W	Date	Time	Dir	Roll/Frame	Description	P/W

Amanda Dodd

4/13/00 906-00-02-0022

Site Sketch



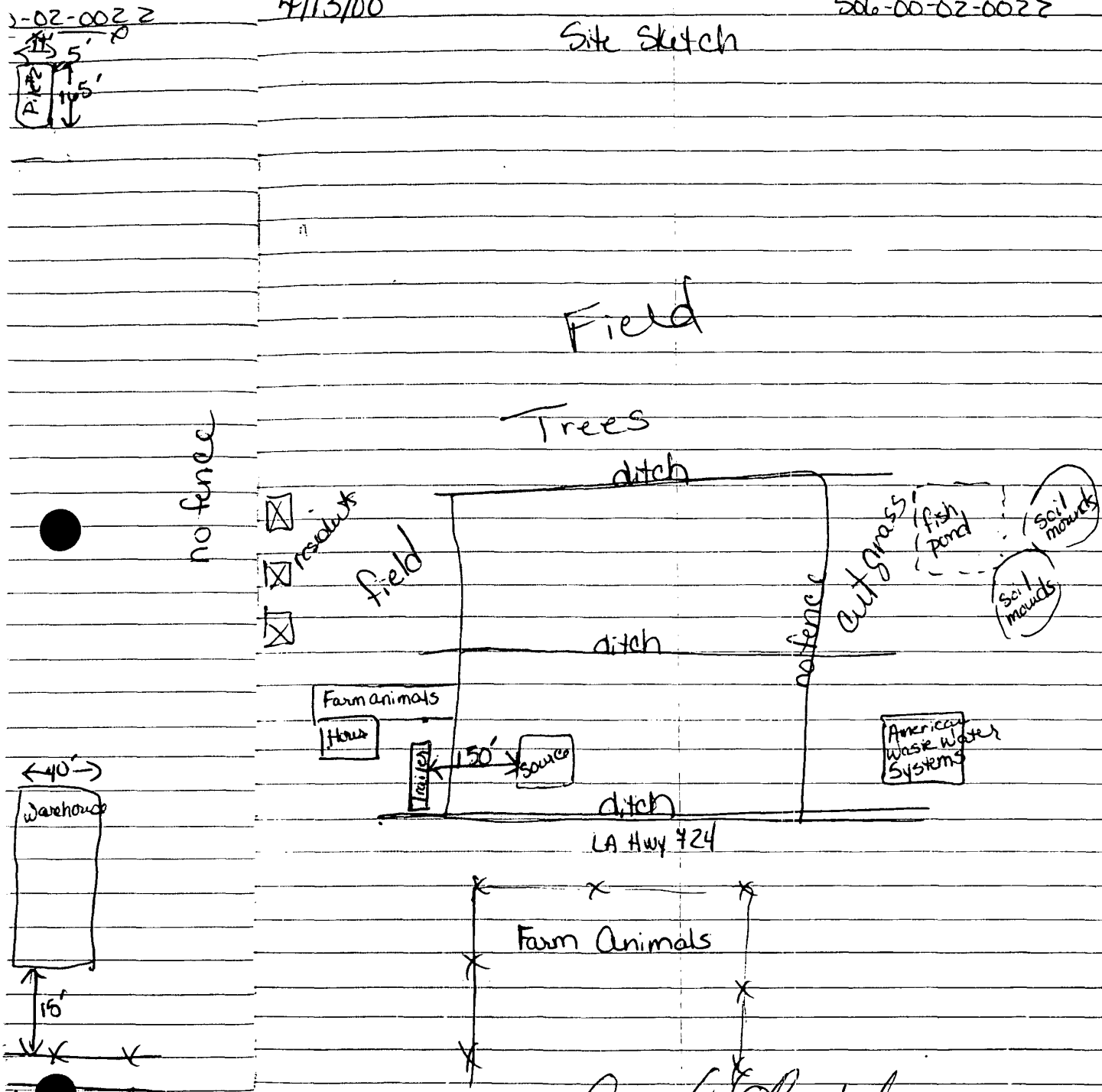
Amanda Bordelon

-02-0022

4/13/00

S06-00-02-0022

Site Sketch



Bordeler

Annie Bordeler

8

4-13-00 SOLE-00-02-0022

Directions: From B.R. Office - Go N. on South Sherwood Forest to I-12. Go W on I-12 to I-10 continue W on I-10 to exit 92 (the Mire, Duson Exit). Turn S onto Hwy 95. for approx 1 mile to the junction w/ Hwy 90. Turn east on Hwy 90 + travel for 3.7 miles to the junction w/ LA Hwy 724 (Fieldspan Road). Turn south on LA Hwy 724 + travel for 1.0 miles. the site is on on the east, left side of LA Hwy 724

Trip Purpose: To gather PA information. START will conduct a site walk and gather off-site information about residents and drainage.

Personnel:

Amanda Bordelon: START, PM / Radiation Protection SSO
Doug McReynolds: 4/13/00 START, Documentation / SSO
Brian Maillet: Documentation, START
James Bell: LDEQ-TASD Representative

Equipment:

Type: Foxboro TVA 1000
Tag#: EPA 724703
Monitoring Frequency: Open drums
Calibration Info: 4/10/00
Background Location: Across Hwy 724 from site
Background Reading: FID 0.31, PID - 0.1
Misc:

alb

Type: RAM 4
Tag#: EPA 611688
Monitoring Frequency: During all 4-13-00 off-site activities
Calibration Info:
Background Location: Across Hwy 724 from site
Background Reading: 0.1
Misc:

Amanda Bordelon

x6-[illegible]-02-0022
th Sherwood Forest
e. W on I-10
n S onto
unction w/
3.7 miles
n Road). Turn
iles, the site
y 724
. START will
off-site
drainage

ation Protection SSO
ation / SSO
, START
sentative

om site

alb

site activities

om site

4-13-00 S06-00-02-0022

Equipment Cont:
Type: Ludlum 19
Tag#: EPA 903778
Monitoring Freq.: During all site activities
Cal. Info: 3/6/00 checked on 4/13/00 820
Background location: Across the 724 from site
Bkg. Reading: 8.5
Misc:

alb

Type: 200 mr Gamma & X-Ray Dosimeter 862
Tag#: EPA 465727,8 + EPA 903076
Monitoring freq.: During all site activities
Cal. Info: 3/99 (for all)
Misc: All additional info is on the Personnel Radiation Exposure Log A

alb

Type: Garmin GPS III
Tag#: EPA S06037
Misc: Not used

[signature]

10 4-13-00 Cactus Pipe 306-00-02-0022 4

Background: 073

- The facility operated as a pipe yard from 1971 to 1995 when the site was abandoned 074
- The site operated as CP from 1971 to 1980 when GEO International purchased CP, the site operated as CP, a subsidiary of GEO Int.
- 1992 the facility changed its name to GEO Pipe Co. CP reformed as a new company and continued to operate the site under a rental agreement with GEO Pipe Co.
- 1995 GEO Int. & its subsidary GEO Pipe Co went into bankrupty
- Site consists of 2 parcels 13.76 acres (A) and 6.765 acres (B) 080
- Parcel A, by state records is still held by GEO Pipe, until they dissolve the ~~corp~~ corporation. GEO Pipe former president claims they did dissolve the corp. & the company no longer holds any assessts
- Parcel B was sold from GEO to Grey ~~Wolf~~ Wolf, who sold to John Pomier.
- Currently no access agreements have been signed

4/13/00 Cactus Pipe SAE-00-02-0022

0735 START and LDEQ-TASD rep arrive on-site

0740 START Bordelon conducts Site Safety Meeting:

Weather: Cloudy, approx. 65°, chance of rain

Chemical hazards: lead in soil, radiation (NORM)

Physical hazards: slip trip; metal pipes

Other topics: Identified on map locations of high NORM readings (Highest former START reading 220 ur/hr

Level of Protection: D

Attended by:

Amanda Bordelon — Amanda Bordelon

Doug McReynolds — [illegible]

Brian Maillet — [illegible]

0800 Site is bordered to the west by pasture w/ horse & pigs & sheep; to south by commercial development & N by residents

West facing fence 6' chain link w/ barbed wire, gates are secured to entry gates from 724.

Drainage ditch along west boundary along Hwy 724

Sign on front gate "Area Electronically Protected by Acadiana Alarm Systems"

- Tubing Clearing / Inspection is 60' from the gate and 60' x 60' shed also has equip; & 55-gl drum
- This area contains radio active waste soil
- On-site water well is an approx. 10' shed
- air temp 4/13/00 1 55 gal. drum labeled motor oil; open bung
- area surrounding is concrete & over grown veg.
- Office Building
- Ware house
  - 9 non labeled drums poor cond. some filled w/ what appears to be rain water; open

Amanda Bordelon

000087

12

4/13/00 Cactus Pipe 306-00-02-0022

0825 Warehouse - metal fabricated, concrete warehouse
- one drum TVA 110 ppm FID - flamable liquid label ~1/4 full
- one full, no TVA reading; unknown; no label; open bung
- 1 closed; 1/4 full; labeled flamable liquid
- 1 closed; ~~no~~ alt 4/13/00 label clear OD pipe coating
- 12 aluminum ~~pipe~~ alt 4/13/00 based pipe compound in 5-gal buckets
- rolling door on eastside
- 40' x 160'; approx 15' from road side ditch

Fuel Storage Area
- no visible signs of contamination
- area is overgrown + covered w/ veg + gravel
- no rad readings above background

Casing Cutter
- visible stained soil
- area appox 30' x 70'
- approx 10' x 30' of no veg; 4' x 3' of no veg
- 1 full, closed Flamable label, 2 1/4 full, 1 empty
- 4' x 4' stained soil; irreg shaped concrete pad

Machine Shop
- stained soil area 60' x 45' w/ no veg w/ 7 drums metal shavings; W of concrete pad,
- 50' x 50' exposed stained soil - between concrete pads
- 43' x 12' exposed stained soil S of second pad
- ~~50' x 50'~~ alt 4/13/00 50' x ~~60~~ alt 4/13/00 50 exposed stained soil E of second pad
- 60' x 18' exposed stained soil N of concrete pads

Casing Hydrostatic Test Front
- 2 full, appears to be leaking, poor
- 1 full open
- 2 1/4 full closed
- 1 garbage
- 50' x 18' exposed stained soil; drums located in this area

Anne L Bordele

30[illegible]00-02-0022 4/13/00 Cactus Pipe S06-00-02-0022

Casing Hydrostatict testing Front
- 12'x9' sump - approx 3', 6" water 2.5' sludge
- 4 trash drums
- 1 closed full; flammable label
- ~~3 trash~~ 4 trash (alb 4/13/00)
- ~~one scale, 1/2 full~~ (4/13/00 alb)
- 1 unknown liquid no TVA readings, open
- 50'x20' exposed stained soil
- ~~trash drum~~ 5 w/ contents (alb)

Casing Hydrostatic testing rear
- Sump 12'x9' sump - approx 3', 6" water 2.5' sludge
- no stained soil

Storage Shed
- 15 5-gal O-Ring oil
- 2 55-gal drums of trash
- between buildings
  - 9 open, 55-gallon drums, poor cond.
- south of 2nd shed - 2 full closed, ~~2 open (1 full, empty)~~ (alb 4/13/00)
  1 open full, 1 open empty, 1 open trash, 1 closed 1/2 full
- outside mid second shed - 1 open trash, 1 closed full
- 1 empty closed
- ~~2 empty~~ 4 empty open top east corner open shed
- 1-1/4 full closed

Drum Pile -
- along w ditch approx 30 drums
- some open some closed
- area covered w/ veg, no vis stained soil
- one labeled Oilfield Chemicals + Minerals, one protectiv ~~coater~~ coating (4/13/00 alb)
- approx 25'x25'

Amanda Bordeler

14 4/13/00 Cactus Pipe SOL-00-02-0022

· Pile #1
  · Radiation Restricted Area
  · 45' x 12' x 4'
· Pressure Hatch Tulsa Okla Enardo MFG
  located ~~W of~~ aux E of pile #2
· Pile #2
  · 165' x 14' x 5'
Casing Inspection Area
  · 1 open ~~full~~ empty after 4/13/00
  · ~~15' x 4'~~ 14' x 48' + 5 x 10' exposed stained soil
  · 3 closed full
  · 2 open 3/4 full
1030 START at vehicle located along 724
1033 START departs site to see Joe Alleman
1035 START arrives at Joe Alleman (337) 896-8191
  · people have damaged tractors to cut
  · use parish water to Lafayette utility system
  · some people in the area use parish water & others have kept their wells
  · currently uses well for irrigation approx 180 ft. deep, 1st screening 80 ft.
  · area south of the site was dug for a fish pond, site was originally dug for sewage but residents complained & were able to stop
1050 START departs Alleman, START counting residents w/in 0.25 miles approx 72, the distance from source to nearest res. is 150 ft. Residence is 5' from fence of facility & approx 145' from fence to Tubing Inspection building

Carla Borelli

06-00-02-0022 4/13/00 Cactus Pipe S06-00-02-0022

Summary:
- Drums approx. 116
- Stained Soil - Casing Cutter, Machine Shop, Casing Inspection
- 2 piles w/ Radiation Restricted Access Signs
- Majority of site is heavily vegetated

MFG

oil

m
-6191
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72
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5' from
15' from
dir

CERCLIS No.: LA0000605278

Reference 3

TDD No.: S06-00-02-0022

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

J. DALE GIVENS
SECRETARY

January 26, 1998

MEMORANDUM

To: Cactus Pipe Site File, IASD ID # 01806

From: Keith Horn KH
Environmental Specialist

Re: Results of Civil Records Search at the Lafayette Parish Courthouse.

On January 13 & 14, 1998, I researched the civil records pertaining to the referenced at the Lafayette Parish Tax Assessor's Office and theClerk of Court's Office. Copies of the current tax assessment and relevant conveyance records are attached. Property ownership information will be summarized in Section 4.0 of the State Site Assessment Phase - 2.

KLH:

attachments

3-01

OFFICE OF WASTE SERVICES INACTIVE AND ABANDONED SITES DIVISION P.O. BOX 82178 BATON ROUGE, LOUISIANA 70884-2178
ecology and environment
TELEPHONE (504) 765-0487 FAX (504) 765-0484

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TAX DEED

STATE OF LOUISIANA FILE NO.

97-027669

CACTUS PIPE & SUPPLY CO

D.C. "DAN" GUILLIOT
CLERK OF
COURT RECORDER

CLERK OF COURT
LAFAYETTE, LA.
FILED AND RECORDED
STATE OF LOUISIANA,
97 AUG 1 PM 1:12
Clerk of Lafayette

To BRCP INVESTMENTS, INC.,

BE IT KNOWN AND REMEMBERED, That I DONALD J. BREAUX, Sheriff and Ex-Officio Tax Collector in and for the State and Parish aforesaid, in the name of the State, and by virtue of the authority in me vested by the Constitution and laws of the State of Louisiana, having mailed and published the notices required by said laws and having strictly complied with each and every requirement of said laws prescribed in the premises relating to delinquent taxes and taxpayers and to seizures, advertisements, and sale of property thereof in full, did in the manner prescribed in said laws, advertise in the Daily Advertiser, a newspaper published in the City of Lafayette, Parish of Lafayette, to be sold for delinquent State and Parish taxes with interests and costs for the year 19 96, at CITY HALL AUDITORIUM of said Parish of Lafayette, on WEDNESDAY the 4th day of JUNE A. D., 19 97, beginning at ~~seven~~ nine o'clock A. M., giving notice to all parties in interest, and that said advertisement appeared in the issues of said newspaper MAY 2nd, and 20, 1997

and in said list as advertised the following described real estate appeared in the name of CACTUS PIPE & SUPPLY CO, to-wit:

ASSEMENT# 21077
PROPERTY DESCRIPTION 90% OF
14-J E CREDEUR- B COUSSON

TAXES	$	913.48
INTEREST		54.81
NOTICE & COST		45.00
TOTAL	$	1,013.29

And on said 4th day of JUNE, 19 97, after beginning but not completing said sales, I continued the same within the legal hours on the next succeeding legal days offering said property for sale at public auction at CITY HALL AUDITORIUM of said parish and in the manner required by law, and SAME being the smallest amount of said property that any bidder would buy and pay the taxes and costs, and BRCP INVESTMENTS, INC. being the bidder, and he having complied with the terms of sale, became the purchaser of ABOVE PROPERTY

NOW, THEREFORE, all the formalities of the law having been complied with, I DONALD J. BREAUX, Sheriff and Ex-Officio Tax Collector for said Parish and State, by virtue of the authority in me vested by the laws of the State of Louisiana, do by these presents sell and transfer unto BRCP INVESTMENTS, INC.

the property last above described with all the improvements thereon, provided that the property herein sold is subject to redemption by the said taxpayer, or any person interested personally or as heir, legatee, creditor or otherwise, for a space of three years from date of recordation of the tax sale, by paying the prices given including costs and five per cent penalty thereon with interest at the rate of one per cent per month until redeemed and if not redeemed, such record shall operate as a cancellation of all conventional and judicial mortgages.

IN TESTIMONY WHEREOF, I have hereunto signed my name officially at Lafayette, Parish of Lafayette, in the presence of SGT. BONNIE BOUDREAUX and DEPUTY LARLAINE CARPENTER, who also signed hereunto with me this 4th day of JUNE, 19 97.

Witnesses:

Sgt. Bonnie Boudreaux
SGT. BONNIE BOUDREAUX

Deputy Larlaine Carpenter
DEPUTY LARLAINE CARPENTER

DONALD J. BREAUX,
Sheriff and Ex-Officio Tax Collector,
Parish of Lafayette.

By Janelle Benoit, Deputy
LT. JANELLE BENOIT

3-02

TAX ASSESSORS GENERAL INFORMATION

[illegible] REAL ESTATE [illegible]

[illegible] NAME: [illegible] PURCHASE-DATE: [illegible]

--- PROPERTY LOCATION ---

[illegible]

[illegible]

----- MAILING ADDRESS -----

[illegible] GREENWAY PLAZA-SUITE [illegible]

[illegible] TX [illegible]

---------- ACT NUMBERS ----------

[illegible]

---------- PROPERTY DESCRIPTION ----------

[illegible]

---------- [illegible] RANGE [illegible] SECTION ----------

[illegible]

---------- FORM NUMBERS ----------

[illegible]

---------- PROPERTY VALUATIONS ----------

TYPE	ACRES/LOT	VALUE	TYPE	ACRES/LOT	VALUE	TYPE	DES/LOT	VALUE
[illegible]	14.00	[illegible]	CM	1.00	[illegible]	CM	1.00	[illegible]

[illegible] 10.880 [illegible] --------: [illegible]

[illegible] --------: [illegible]

[illegible] --- [illegible] 10.880 [illegible] TAX --------: [illegible]

[illegible] CONTINUED [illegible]

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3-03

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TAX ASSESSOR'S GENERAL INFORMATION

ASSESSMENT: [illegible] REAL ESTATE [illegible] COMMERCIAL

---------- AN MILLAGE ----------

WARD [illegible]

---------- PREVIOUS PROPERTY VALUATIONS FOR 1986 ----------

TYPE	ACRES/LOT	VALUE	TYPE	ACRES/LOT	VALUE	TYPE	ACRES/LOT	VALUE
[illegible]	[illegible]	5.580 CM		1.00	4.340 CM		1.00	960

---------- PREVIOUS PROPERTY VALUATIONS FOR 1987 ----------

TYPE	ACRES/LOT	VALUE	TYPE	ACRES/LOT	VALUE	TYPE	ACRES/LOT	VALUE
[illegible]	[illegible]	5.580 CM		1.00	4.340 CM		1.00	960

---------- PREVIOUS OWNERS ----------

[illegible] FIRE & SUPPLY CO

ASSESSMENT:

DATE OF PURCHASE: PRICE ACRES 16.00

PROPERTY TYPE [illegible] 2. CM 3. 4. 5.

[illegible]

40 [illegible]

---------- COMMENTS ----------

[illegible]-NAME [illegible] [illegible]-TAX DEED PARISH [illegible]

---------- REFILED FOR 1990 ----------

[illegible] ASSESSMENT. [illegible]

3-04

FILE NO.
96-040104
O.C. "DAN" GUILLIOT
CLERK OF
COURT RECORDER

CLERK OF COURT

The State of Texas

SECRETARY OF STATE

The undersigned, as Secretary of State of the State of Texas, HEREBY CERTIFIES that the attached is a true and correct copy of the following described instruments on file in this office:

GEO PIPE COMPANY
FORMERLY: CACTUS PIPE & SUPPLY CO.
CHARTER NO. 539349

ARTICLES OF AMENDMENT — OCTOBER 7, 1992

IN TESTIMONY WHEREOF, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in the City of Austin, on August 2, 1996.

THE STATE OF TEXAS

Antonio O. Garza, Jr.
Secretary of State — DAE

3-05

ARTICLES OF AMENDMENT

TO THE

ARTICLES OF INCORPORATION

OF

CACTUS PIPE & SUPPLY CO.

FILED
In the Office of the
Secretary of State of Texas
OCT 07 1992
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act, the undersigned corporation adopts the following Articles of Amendment to its Articles of Incorporation:

ARTICLE I

The name of the corporation (hereinafter called the "Corporation") is CACTUS PIPE & SUPPLY CO.

ARTICLE II

On September 30, 1991, the shareholders of the Corporation adopted an Amendment to its Articles of Incorporation whereby Article One thereof was amended to read in its entirety as follows:

ARTICLE ONE

The name of the corporation is CPO Pipe Company.

ARTICLE III

The number of shares of the Corporation outstanding at the time of such adoption was 1,000; and the number of shares of the Corporation entitled to vote thereon was 1,000.

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ARTICLE IV

The holders of all the shares of the Corporation outstanding and entitled to vote on said amendment have signed a consent in writing adopting said amendment.

IN WITNESS WHEREOF, the undersigned has executed these Articles of Amendment on behalf of the Corporation on this [illegible] day of September, 1992.

CACTUS PIPE & SUPPLY CO.

By: [signature]
Vice President

[signature]
Vice President

3-07

CLERK OF COURT
LAFAYETTE, LA.
FILED THIS DATE

FILE NO.
83-026520

STATE OF CONNECTICUT,

COUNTY OF FAIRFIELD.

Cathy Boudreaux
DY. CLERK OF COURT

BE IT KNOWN AND REMEMBERED that as of the 26th day of February, in the year of Our Lord One Thousand Nine Hundred and Eighty-two, before me, the undersigned authority, a Notary Public in and for the aforesaid County and State, duly qualified and commissioned as such, personally came and appeared:

> GEO INTERNATIONAL CORPORATION, a Delaware corporation, herein represented by Anthony J. Giglio, its duly authorized President, and Charles P. Russ, III, its duly authorized Secretary, the mailing address of which is One Landmark Square, Stamford, Connecticut 06901, the successor to Cactus Pipe & Supply Co., Inc., a Texas corporation, sometimes hereinafter referred to as VENDOR,

who declared that for the consideration hereinafter mentioned, it does by these presents grant, bargain, sell, convey, transfer, assign, set over, abandon and deliver with full guarantee of title and free from all encumbrances with all legal warranties and with full substitution and subrogation in and to all of the rights and actions of warranty which the said VENDOR has or may have against all preceding owners and vendors, unto:

> CACTUS PIPE & SUPPLY CO., a Texas corporation, the mailing address of which is Post Office Box 2406?, Houston, Texas 77019, sometimes hereinafter referred to as PURCHASER,

here present, accepting and purchasing for itself, its successors, legal representatives and assigns, and acknowledging due delivery and possession thereof, all and singular the following described property situated in the Parish of Lafayette, State of Louisiana, to-wit:

1. That certain tract or parcel of land containing 13.76 acres situated in Section 35, Township 9 South, Range 3 East, in the Second Ward of Lafayette Parish, Louisiana, together with all buildings, improvements and appurtenances thereon and thereunto pertaining and being bounded, now or formerly, on the North by J. E. Credeur; on the East by Rousseau Broussard; on the South by

3-08

Beatrice Chiasson; and on the West by Philibert Trahan. The said tract or parcel of land herein transferred and conveyed is designated as Lot No. One (1) of a partition dated February 22, 1959, by and between Weston Chiasson and Beatrice Chiasson recorded in Book V-27, page 383, under Entry No. 376697 of the Conveyance Records in the office of the Clerk of Court for Lafayette Parish, Louisiana, and which tract or parcel has the dimensions and measurements shown on the plat or survey dated December 2, 1958, prepared by C. K. Langlinais, Registered Land Surveyor, attached to and made a part of said Act of Partition.

The said tract or parcel of land herein transferred and conveyed was acquired by VENDOR from R. T. Cornish by deed dated October 1, 1971, recorded under Entry No. 576328 of the Conveyance Records of Lafayette Parish, Louisiana.

2. That certain tract or parcel of land containing 6.765 acres situated in Section 35, Township 9 South, Range 3 East, Lafayette Parish, Louisiana, together with all buildings, improvements and appurtenances thereon and thereunto pertaining and being more particularly described as beginning at a point on the West section line of said Section 35 at a point approximately 1,985.95 feet North of the Southwest corner of said Section 35; thence run North 0 degrees 32 minutes 27 seconds West 158.95 feet, thence run South 88 degrees 19 minutes 43 seconds East 1,314.12 feet; thence run South 0 degrees 11 minutes 51 seconds East 369.59 feet; thence run North 89 degrees 34 minutes 32 seconds West 400.12 feet; thence run North 0 degrees 11 minutes 51 seconds West 219.39 feet; and thence run North 89 degrees 19 minutes 43 seconds West 912.86 feet to the point of beginning; and which tract or parcel of land is more fully shown by the plat of survey dated July 7, 1978, prepared by Robert L. Pate, Registered Land Surveyor, a copy of which is attached to the Act of Credit Sale recorded under Entry No. 78-023113 of the Conveyance Records of Lafayette Parish, Louisiana. The said tract or parcel of land herein transferred and conveyed is bounded, now or formerly, on the North by Cactus Pipe & Supply Co., Inc.; on the East by Rousseau Broussard; on the South by Rousseau Broussard and Grey Wolf Drilling Company; and on the West by the section line of said Section 35. The said tract or parcel of land herein transferred and conveyed is a portion of Lot No. Two (2) of a partition dated February 22, 1959, by and between Weston Chiasson and Beatrice Chiasson recorded in Book V-27, page 383, under Entry No. 376697 of the Conveyance Records in the office of the Clerk of Court for Lafayette, Parish, Louisiana.

The tract or parcel of land herein transferred and conveyed was acquired by the VENDOR from Beatrice Chiasson Molbert by deed dated September 25, 1978, recorded under Entry No. 78-023113 of the Conveyance Records of Lafayette Parish, Louisiana.

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This transfer and conveyance is made pursuant to and in accordance with the terms, provisions and conditions of a merger agreement to which the VENDOR is a party, and to vest record title to the hereinabove described property in the PURCHASER.

All taxes assessed against the property herein transferred and conveyed up to and including the taxes for the year 1981 have been paid, and the taxes assessed against the property for the year 1982 have been assumed by the PURCHASER.

To have and to hold the hereinabove described property unto the said PURCHASER, its successors, legal representatives and assigns, forever.

The PURCHASER hereby dispenses with the certificate required by Article 3364 of the Revised Civil Code of the State of Louisiana and also with the production of the tax receipts required by law.

THUS DONE AND PASSED in the County of Fairfield, State of Connecticut, on the day and date hereinabove written, in the presence of the undersigned competent witnesses, who have signed these presents with Appearers and me, said Notary, after due reading of the whole.

WITNESSES:

GEO INTERNATIONAL CORPORATION

Anthony J. Giglio - President

Charles P. Russ, III - Secretary

NOTARY PUBLIC in and for
the County of Fairfield,
State of Connecticut

Patricia A. Meyer
Commission Expires
March 30 1984

CLERK OF COURT
LAFAYETTE, LA.
FILED THIS DATE
JUL 21 PM 2 42
DY. CLERK OF COURT

AFFIDAVIT OF CORPORATE OFFICER FILE NO. 83-026528

THE STATE OF LOUISIANA

PARISH OF LAFAYETTE

BEFORE ME, the undersigned authority, on this day personally appeared Jack Bender, known to me to be the person whose name is subscribed to the following instrument, and having been by me duly sworn, upon his oath did depose and state as follows:

1. My name is Jack Bender.

2. I am the President of Cactus Pipe & Supply Co., a Texas corporation and a subsidiary of Geo International Corporation, a Delaware corporation. I make this affidavit in such capacity.

3. By Conveyance effective the 26th day of February, 1982, filed for record in the Conveyance Records of Lafayette Parish, Louisiana, simultaneously with the filing of this Affidavit, Geo International Corporation conveyed to Cactus Pipe & Supply Co. the real property described in said Conveyance (hereinafter referred to as the "Property"). Such conveyance was made pursuant to that certain Plan and Agreement of Merger and Reorganization made and entered into as of the 26th day of February, 1982, by and among Geo International Corporation, a Delaware corporation, New Geo, Inc., a Delaware corporation and Cactus Pipe & Supply Co., a Texas corporation.

4. Pursuant to said Plan and Agreement of Merger and Reorganization, Geo International Corporation was merged into New Geo, Inc. and the name of the surviving entity was changed to Geo International Corporation. Further pursuant to said Plan and Agreement of Merger and Reorganization, certain assets owned by the surviving

recycled paper ecology and

entity of such merger and relating to the operation of such entity's Cactus Pipe & Supply Co., Inc. division were transferred to Cactus Pipe & Supply Co. The above mentioned Conveyance evidenced the transfer of real property located in Lafayette Parish, Louisiana and included among those assets.

5. This Affidavit is made for the purpose of clarifying the series of corporate transactions pursuant to which Geo International Corporation acquired the Property. The Property was originally acquired in one or more parcels by Cactus Pipe & Supply Co., Inc.

6. Pursuant to Articles of Merger filed in the Office of the Secretary of State of the State of Texas on September 25, 1980, Cactus Pipe & Supply Co., Inc., a Texas corporation, and Geo International Corporation, a Delaware Corporation, were merged, and the surviving entity of such merger was Geo International Corporation. The merger described immediately above was effected in the State of Delaware pursuant to a Certificate of Merger filed in the Office of the Secretary of State of the State of Delaware on September 22, 1980. Certified copies of said Articles of Merger and said Certificate of Merger are attached hereto. Pursuant to a Certificate of Merger filed in the Office of the Secretary of State of the State of Delaware on February 26, 1982, Geo International Corporation, a Delaware corporation, was merged with New Geo, Inc., a Delaware corporation, and the name of the surviving entity was changed to Geo International Corporation. A certified copy of said Certificate of Merger is attached hereto.

7. As a consequence of said mergers, Geo International Corporation was the owner of all of the Property prior

to the conveyance of the Property by Ceo International Corporation to Cactus Pipe & Supply Co. pursuant to the Conveyance described above.

Executed this 27th day of June, 1983.

CACTUS PIPE & SUPPLY CO.

By: Jack Bender
Jack Bender, Its President

SUBSCRIBED AND SWORN TO BEFORE ME this 27th day of June, 1983.

Notary Public in and for the State of Texas

THE STATE OF TEXAS §
§
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, a Notary Public in and for the State of Texas, on this day personally came and appeared Jack Bender, who, after being duly sworn deposed and said that he is the President of Cactus Pipe & Supply Co. and that he executed the above and foregoing instrument for and on behalf of said corporation by authority of its Board of Directors and acknowledges the same to be the free act and deed of said corporation

SWORN TO AND SUBSCRIBED before me on this 27th day of June, 1983.

Notary Public in and For the State of Texas

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CLERK OF COURT
[illegible]

FILE NO.
83-026527

The State of Texas

SECRETARY OF STATE

The undersigned, as Secretary of State of the State of Texas, HEREBY CERTIFIES that the attached is a true and correct copy of the following described instruments on file in this office:

Articles of Merger for CACTUS PIPE & SUPPLY CO., INC., a TEXAS corporation, and GEO INTERNATIONAL CORPORATION, a DELAWARE corporation, were filed in this office on SEPTEMBER 25, 1980, for which a Certificate of Merger was issued; and that according to the terms of the Merger the surviving corporation was GEO INTERNATIONAL CORPORATION, a DELAWARE corporation.

IN TESTIMONY WHEREOF, I have hereunto signed my name officially and caused to be Impressed hereon the Seal of State at my office in the City of Austin, this

2 *day of* May *, A. D. 19* 83

Secretary of State

vbs

3-14

THE STATE OF TEXAS

ARTICLES OF MERGER

Pursuant to the provisions of Article 5.07 of the Texas Business Corporation Act, the undersigned domestic and foreign corporations adopt the following Articles of Merger for the purpose of merging them into one of such corporations:

1. The following Plan of Merger was approved by the directors and sole shareholder of Cactus Pipe & Supply Co., Inc. (the "Texas Corporation") in the manner prescribed by the Texas Business Corporation Act, and was approved by the directors and sole shareholder of Geo International Corporation (the "Delaware Corporation") in the manner prescribed by the laws of the State under which it is organized.

(a) The names of the constituent corporations and the States under the laws of which they are respectively organized are:

NAME OF CORPORATION	STATE
CACTUS PIPE & SUPPLY CO., INC.	TEXAS
GEO INTERNATIONAL CORPORATION	DELAWARE

(b) The laws of the State under which such foreign corporation is organized permit such merger.

(c) The name of the surviving corporation is Geo International Corporation, and it is to be governed by the laws of the State of Delaware. The address of the registered or principal office of the surviving corporation in its state of incorporation is United States Corporation Company, 306 South State Street, Dover, Delaware 19901.

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(d) The terms and conditions of the proposed merger are as follows:

(i) The "Effective Time" of the merger shall mean the time at which Articles of Merger or Certificate of Merger, signed and verified on behalf of each constituent corporation, shall have been filed with the appropriate authorities in the States of Texas and Delaware.

(ii) At the Effective Time, the Delaware Corporation will acquire all of the assets and assume all of the liabilities of the Texas Corporation through the merger of the Texas Corporation into the Delaware Corporation, the separate existence of the Texas Corporation will cease and the Delaware Corporation shall be the surviving corporation.

(iii) At the Effective Time, the outstanding shares of the Texas Corporation's common stock will, without the surrender of stock certificates or any other action, be cancelled.

(iv) Each share of the Delaware Corporation's common stock outstanding immediately prior to the Effective Time shall continue to be outstanding, and each such share shall continue to be one share of common stock of the surviving corporation.

2. As to each of the constituent corporations, the number of shares outstanding, and the designation and number of outstanding shares of each class entitled to vote as a class on such Plan, are as follows:

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NAME OF CORPORATION	NUMBER OF SHARES OUTSTANDING	ENTITLED TO VOTE AS A CLASS [illegible] OF CLASS	[illegible] OF CLASS [illegible]
Cactus Pipe & Supply Co., Inc.	4,640	N/A	N/A
Geo International Corporation	1,000	N/A	N/A

3. As to each of the constituent corporations, the total number of shares voted for and against such Plan, respectively, and, as to each class entitled to vote thereon as a class, the number of shares of such class voted for and against such Plan, respectively, are as follows:

NAME OF CORPORATION	TOTAL VOTED FOR	TOTAL VOTED AGAINST	NUMBER OF SHARES ENTITLED TO VOTE AS A CLASS VOTED FOR	VOTED AGAINST
Cactus Pipe & Supply Co., Inc.	4,640	0	N/A	N/A
Geo International Corporation	1,000	0	N/A	N/A

4. Geo International Corporation, the surviving corporation, hereby: (a) agrees that it may be served with process in the State of Texas in any proceeding for the enforcement of any obligation of the undersigned domestic corporation and in any proceeding for the enforcement of the rights of a dissenting shareholder of such domestic corporation against the surviving corporation; (b) irrevocably appoints the Secretary of State of Texas as its agent to accept service of process in any such proceeding; and (c) agrees that it will promptly pay to the dissenting shareholders of such domestic corporation the amount, if any, to which they shall be entitled under the

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provisions of the Texas Business Corporation Act with respect to the rights of dissenting shareholders.

Dated: September 22, 1990.

CACTUS PIPE & SUPPLY CO., INC.

By _____ Its President

and _____ Its Secretary

GEO INTERNATIONAL CORPORATION

By _____ Its President

and _____ Its Assistant Secretary

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STATE OF TEXAS)
COUNTY OF HARRIS) SS.:

I, Hazel Hood, a Notary Public, do hereby certify that on this day of September, 1980, personally appeared before me Jack J. Bender and Charles E. Ammerman, who being by me first duly sworn, declared that they are the President and Secretary, respectively, of Cactus Pipe & Supply Co., Inc., that they signed the foregoing document as President and Secretary, respectively, of the corporation, and that the statements therein contained are true.

(Notarial Seal) Notary Public

STATE OF NEW YORK)
COUNTY OF [illegible]) SS.:

I, [illegible], a Notary Public, do hereby certify that on this 2nd day of September, 1980, personally appeared before me Anthony J. Giglio and Murray Cohen, who being by me first duly sworn, declared that they are the President and Assistant Secretary, respectively, of Geo International Corporation, that they signed the foregoing document as President and Secretary, respectively, of the corporation, and that the statements therein contained are true.

(Notarial Seal) Notary Public

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State of DELAWARE

Office of SECRETARY OF STATE

I, Glenn C. Kenton, Secretary of State of the State of Delaware, do hereby certify that the attached is a true and correct copy of Certificate of Merger filed in this office on September 22, 1980.

Glenn C. Kenton
Glenn C. Kenton, Secretary of State

BY: M. Fox

DATE: May 18, 1983

Form 100

3-20

CERTIFICATE OF MERGER

OF

CACTUS PIPE & SUPPLY CO., INC.

INTO

GEO INTERNATIONAL CORPORATION

Pursuant to Section 252(c) of the

General Corporation Law of the

State of Delaware

GEO INTERNATIONAL CORPORATION, a corporation duly organized and existing under the laws of the State of Delaware, does hereby certify and set forth the following:

FIRST: The name and state of incorporation of each of the constituent corporations is as follows.

GEO INTERNATIONAL CORPORATION, a Delaware corporation

CACTUS PIPE & SUPPLY CO., INC., a Texas corporation

SECOND: An Agreement of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with subsection 252(c) of the General Corporation Law of the State of Delaware.

THIRD: The name of the surviving corporation is GEO INTERNATIONAL CORPORATION, a Delaware corporation.

FOURTH: The Certificate of Incorporation of GEO INTERNATIONAL CORPORATION, the constituent Delaware corporation, shall be the Certificate of Incorporation of the surviving corporation.

FIFTH: The executed Agreement of Merger is on file at

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the principal place of business of the surviving corporation, and the address thereof is 4 Landmark Square, Stamford, Connecticut 06901.

SIXTH: A copy of the Agreement of Merger will be furnished by the surviving corporation, on request and without cost, to any stockholder of either constituent corporation.

SEVENTH: The authorized capital stock of the constituent corporation which is not a Delaware corporation is 9,640 shares of common stock, par value $100 per share.

IN WITNESS WHEREOF, this Certificate has been executed as of the 22nd day of September, 1980.

GEO INTERNATIONAL CORPORATION

By John E. McConnaughy, Jr.
Chairman of the Board

ATTEST:

Charles P. Russ, III Secretary

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CERTIFICATE OF MERGER
OF
GEO INTERNATIONAL CORPORATION
INTO
NEW GEO, INC.

Pursuant to Section 251(c) of the
General Corporation Law of the State of Delaware

NEW GEO, INC. a corporation duly organized and existing under the laws of the State of Delaware, does hereby certify and set forth the following:

FIRST: The name and state of incorporation of each of the constituent corporations are as follows:

GEO International Corporation, a Delaware corporation

New GEO, Inc., a Delaware corporation.

SECOND: An agreement of merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with subsection 251(c) of the General Corporation Law of the State of Delaware.

THIRD: The surviving corporation is New GEO, Inc., but its name is changed, effective with the filing of this Certificate of Merger with the Secretary of State of the State of Delaware, to GEO International Corporation.

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FOURTH: The Certificate of Incorporation of NEW GEO, INC. shall be the Certificate of Incorporation of the surviving corporation, provided that the Certificate of Incorporation of New GEO shall be amended so that Paragraph First thereof shall read as follows: The name of the corporation is GEO International Corporation.

FIFTH: The executed Plan and Agreement of Merger and Reorganization is on file at the principal place of business of New GEO, Inc., and the address thereof is 1 Landmark Square, Stamford, Connecticut 06901.

SIXTH: A copy of the Plan and Agreement of Merger and Reorganization will be furnished by New GEO, Inc., on request and without cost, to any stockholder of either consituent corporation.

IN WITNESS WHEREOF, this Certificate has been executed as of the 26th day of February, 1982.

New GEO, Inc.

By Anthony J. Gigliotti, President

ATTEST:

Charles P. Russ, III
Secretary

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State of DELAWARE

Office of SECRETARY OF STATE

I, Glenn C. Kenton, Secretary of State of the State of Delaware, do hereby certify that the attached is a true and correct copy of Certificate of Merger filed in this office on February 26, 1982.

Glenn C. Kenton
Glenn C. Kenton, Secretary of State

BY: L. Holmes

DATE: May 13, 1983

Form 100

3-05

ASSUMED NAME CERTIFICATE
FOR AN
INCORPORATED BUSINESS OR PROFESSION

NAME UNDER WHICH BUSINESS OR PROFESSIONAL
SERVICES OR WILL BE ~~CONDUCTED~~ R...la co.

CACTUS PIPE & SUPPLY CO.

Address: 800 McCarty Street

City: Houston State: Texas Zip Code: 77029

1. The name of the incorporated business or profession as stated in its Articles of Incorporation or comparable document is: GEO International Corporation.

2. The state, country, or other jurisdiction under the laws of which it was incorporated is: Delaware, and the address of its registered or similar office in that jurisdiction is: United States Corporation Company, 306 State Street, Dover, Delaware 19901.

3. The period, not to exceed ten years, during which this assumed name will be used is: ten (10) years.

4. The corporation is a business corporation.

5. If the corporation is required to maintain a registered office in Louisiana, the address of the registered office is: 1101 American Bank Building, New Orleans, Louisiana 70130, and the name of its registered agent at such address is: United States Corporation Company. The address of the principal office (if not the same as the registered office) is: Route 1, Box 69B, Highway 724, Duson, Louisiana 70529.

6. If the corporation is not required to or does not maintain a registered office in Louisiana, the office address in Louisiana is: N/A; and if the corporation is not incorporated, organized or associated under the laws of Louisiana, the address of its place of business in Louisiana is: Route 1, Box 69B, Highway 724, Duson, Louisiana 70529, and the office address elsewhere is: United States Corporation Company, 306 State Street, Dover, Delaware 19901.

7. The county or counties where business or professional services are being or are to be conducted or rendered under such assumed name are: ALL.

ANTHONY J. GIGLIO
President and Chief Operating Officer

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THE STATE OF CONNECTICUT)
)ss.: Stamford
COUNTY OF FAIRFIELD)

BEFORE ME, THE UNDERSIGNED AUTHORITY, on this day personally appeared ANTHONY J. GIGLIO, THE PRESIDENT AND CHIEF OPERATING OFFICER of GEO INTERNATIONAL CORPORATION, known to me to be the person whose name is subscribed to the foregoing instrument and, under oath, acknowledged to me that he signed the same for the purpose and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OFFICE on _____, 1980.

(SEAL)

NOTARY PUBLIC in and for Fairfield County

3-27

576328

CASH SALE,

STATE OF LOUISIANA, PARISH OF LAFAYETTE

BE IT KNOWN, That on this 1st day of October in the year of our Lord nineteen hundred and seventy-one before me, the undersigned Notary Public in and for said parish and State, duly commissioned and qualified as such, personally came and appeared

R. T. CORNISH, husband of Janice Enez Tullos, a resident of the Parish of Lafayette, State of Louisiana,

who declared that for the consideration hereinafter mentioned he does by these presents, sell, transfer and deliver with full guarantee of title and free from all encumbrances and with subrogation to all his rights and actions of warranty against previous owners, unto

CACTUS PIPE & SUPPLY CO., INC., a Texas corporation authorized to do business in the State of Louisiana, whose mailing address is Post Office Box 24116, Houston, Texas 77029,

present, accepting and purchasing for itself and heirs and assigns, and acknowledging delivery and possession thereof, the following described property, to-wit:

That certain tract or parcel of land containing 13.76 acres, together with all buildings, improvements and appurtenances thereon and thereunto pertaining, situated in Section 35, Township 9 South, Range 3 East, in the Second Ward of Lafayette Parish, Louisiana, and being bounded, now or formerly, on the North by J. E. Credeur; on the East by Rousseau Broussard; on the South by Beatrice Chiasson; and on the West by Philibert Trahan. The said tract or parcel of land herein transferred and conveyed is designated as Lot No. One (1) of a partition dated February 22, 1959, by and between Weston Chiasson and Beatrice Chiasson recorded in Book V-27, page 383, under Entry No. 376697 of the Conveyance Records in the office of the Clerk of Court for Lafayette Parish, Louisiana, and which tract and lot has the dimensions and measurements shown on the plat of survey dated December 2, 1958, prepared by C. K. Langlinais, Registered Land Surveyor, attached to and made a part of said Act of Partition.

The tract of land herein transferred and conveyed was acquired by Vendor on November 7, 1968, by deed recorded in Book X-55, page 199, under Entry No. 532238 of the Conveyance Records of Lafayette Parish, Louisiana.

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It is expressly agreed and understood that approximately one and one-half acres of the above described property is presently included within a unit producing oil and/or gas and that all of the royalty interest accruing to the said one and one-half acres included within said producing unit was reserved by Weston Chiasson under the terms and provisions of the aforementioned deed dated November 7, 1968.

Purchaser assumes the payment of all taxes assessed against the property herein sold for the year 1972 This sale is made and accepted for and in consideration of the sum of TWENTY-ONE THOUSAND AND NO/100 ($21,000.00) - - - - - - - Dollars, cash in hand paid, for which acquittance is herein granted.

Purchaser dispenses with certificate required by Article 2264 of the Revised Civil Code of this State, and also with the production of tax receipts required by law.

Done and passed at the Parish of Lafayette, Louisiana, on the day and date first above written, in the presence of Evelyn F. Droddy and Mildred D. Geer competent witnesses, who sign with appearers and me, officer, after due reading of the whole.

WITNESSES:

Evelyn F. Droddy

Mildred D. Geer

R. T. Cornish

R. T. Cornish

Notary Public

CLERK OF COURT
LAFAYETTE, LA

Oct 5 12 06 PM '71

Weston Chiasson

8-29

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CERCLIS No.: LA0000605278

Reference 4

TDD No.: S06-00-02-0022

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

J. DALE GIVENS
SECRETARY

June 30, 1999

NOTIFICATION TO PROVIDE INFORMATION
URGENT LEGAL MATTER
CERTIFIED MAIL: RETURN RECEIPT REQUESTED

CERTIFIED MAIL
Z 441 771 245

Mr. Jack Bender, Registered Agent for Service
Cactus Pipe & Supply Co.
One Greenway Plaza, Suite 450
Houston, TX 77046

RE: Cactus Pipe Site (IAS #01806)
Duson, Louisiana

Dear Sir or Madam:

This letter is in regard to a site that contains hazardous substances located in Duson, Louisiana, known as the Cactus Pipe Site (the site). The purpose of this letter is fourfold:

1. To notify you of potential liability pursuant to Chapter 12 of the Louisiana Environmental Quality Act, LSA-R.S. 30:2271 et seq.

2. To serve as a request for information regarding your activities related to the site.

3. To notify you of the future remediation of the site.

4. To notify you of a meeting to be held at the Department of Environmental Quality in Baton Rouge, Louisiana on June 23, 1999 at 10:00 a.m.

NOTICE OF POTENTIAL LIABILITY

The Louisiana Department of Environmental Quality (LDEQ), Inactive and Abandoned Sites Division (IASD), has information that hazardous substances have been released, and/or that there is a substantial threat of such a release, into the environment of the Cactus Pipe Site. The site is located next to 1217 South Fieldspan (Louisiana Highway 724) in Lafayette Parish in Duson, Louisiana.

-4-01

OFFICE OF THE SECRETARY P.O. BOX 82263 BATON ROUGE, LOUISIANA 70884-2263
TELEPHONE (504) 765-0741 FAX (504) 765-0746

Cactus Pipe & Supply Co., Inc. of Houston, TX originally purchased the site in October, 1971. The property was purchased from private individuals, and file information indicates that site operations began at this time.

In September of 1980, Cactus Pipe & Supply Co., Inc. merged into GEO International Corporation, a Delaware company. Various official documents indicate that Cactus Pipe & Supply Co., Inc. was operated as a subsidiary of GEO International Corporation, and did business under the name Cactus Pipe & Supply Co.

In February 1982, GEO International Corporation transferred the title to the site to Cactus Pipe & Supply Co., its subsidiary.

Cactus Pipe & Supply Co. officially changed its name to GEO Pipe Company in October 1992.

In 1995, GEO International Corporation and its subsidiary GEO Pipe Company were in bankruptcy.

In September, a second corporation using the name Cactus Pipe & Supply Co. was organized in the state of Texas. According to an official of this second Cactus Pipe & Supply, they operated at the site under a rental agreement with GEO Pipe Company from 1992 to 1995. The Texas Secretary of State's Office reports that the company is active and provided the following address for its Registered Agent for Service:

Mr. Jack Bender, Registered Agent for Service
Cactus Pipe & Supply Co.
One Greenway Plaza, Suite 450
Houston, TX 77046.

In June, 1997, the site was sold at a Lafayette Parish Sheriff's Sale for the amount of back property taxes and associated costs to BBCP Investments. The Louisiana Secretary of State's Office reports that this company is active and provided the following address for its Registered Agent for Service:

Mr. Robert M. Baldwin, Registered Agent for Service
BBCP Investments, Inc.
10th Floor, 130 DeSiard St.
Monroe, LA 71201.

File information indicates that the site was in operation as a pipe yard from approximately 1971-1995. Operations at the site included the cleaning, threading, and distribution of drill pipe for oilfield use. Various firms operated the site during this period, but the processes used at the site appeared to be essentially constant.

LASD personnel have identified the following potential areas of contamination from file information concerning the site:

1. Soils contaminated with a mixture of D008 hazardous wastes (leachable lead) and Technologically Enhanced Naturally Occurring Radioactive Material (TENR)/Naturally Occurring Radioactive Material (NORM);
2. Large areas of oily soil around virtually all process areas;

3. Numerous areas and pieces of equipment exceeded the 50uR/hr action level established by the LDEQ Radiation Protection Division (RPD) and three areas that exceeded the regulatory levels for radium 226;

4. Several sumps ranging from drain grates in the warehouse to oily open pits in the yard areas; LDEQ analysis of two sumps revealed levels of leachable lead in the sump sediment that exceed the limit for classification as a hazardous waste. LDEQ analysis also showed high levels of total lead, barium, and chromium;

5. Approximately 50 55-gal. drums. Some of these drums appeared empty, or were filled with rainwater; others appeared to contain oily materials, or other liquids. Some of these drums bore the Department of Transportation (DOT) flammable liquid labels;

6. Approximately 35-5 gal. buckets. Many of these containers appeared to be in poor condition. Most of the 5-gal. buckets contain leaded "pipe-dope" or thread compound. Label information indicated the thread compound was 60% leaded;

7. Piles of solid waste that consisted of creosote timbers and sheet metal located throughout the site.

It should not be assumed that all potential areas of contamination have been identified. It is expected that the extent of contamination at the site could be delineated later during a Remedial Investigation (RI). File information documents three major sampling episodes that have occurred at the site. The data from these events are extensive and can be found in the IASD site file.

The LDEQ is preparing to remediate the site pursuant to Chapter 12 of the Louisiana Environmental Quality Act. The LDEQ plans to conduct the remediation at this site unless a responsible party (or responsible parties) agrees to conduct the work under the LDEQ. The information available to the LDEQ indicates that you may be a potentially responsible party (PRP).

Under LSA-R.S. 30:2276, a responsible party who fails to participate in a cleanup may be held liable by the court for a penalty three times that party's share of the remedial cost if the court determines that the failure of the non-participating party to respond to the administrative determination or court proceeding was without sufficient cause.

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REQUEST FOR INFORMATION

Under authority granted by LSA-R.S. 30:2274, you are hearby requested to provide the following information on hazardous substances disposed of or discharged at the site, including:

1. The types of substances and their chemical name or makeup, if known.

2. The volumes of such substances disposed of or discharged.

3. The locations of disposal or discharge of any known pollution source or facility.

4. Dates of disposal and amounts on each date.

5. Person providing transportation of hazardous substances.

6. Name of owner or operator at the site at the time of disposal or discharge.

Under LSA-R.S. 30:2274(B), any person who willfully fails to provide the information to the secretary as required by this section shall be liable for a penalty of up to Twenty-five Thousand and No/100 Dollars ($25,000.00) for each day that the required information is not received after the date on which it is due and shall not be allowed to avail itself of the defenses provided in LSA-R.S. 30:2277.

The LDEQ has enclosed a list of the PRP's that have thus far received notification to provide information about previous operation/ownership at the site.

PRP MEETING

You are requested to attend a Potentially Responsible Party (PRP) meeting regarding the site on Wednesday, August 11, 1999, at 10:00 a.m. in the fourth floor conference room of the LDEQ located at 7290 Bluebonnet Road, Baton Rouge, Louisiana. The purpose of this meeting will be to provide a brief overview of site conditions and to begin discussions between LDEQ and PRPs on the proper course of action to take for site remediation. A list of all PRPs receiving this notice is attached.

YOUR RESPONSE TO THE LDEQ

You should provide the requested information to the LDEQ in writing within forty-five calendar days of your receipt of this letter. Your response should also include whether you will be attending the meeting regarding the site at the offices of the LDEQ. Your written notification should be sent to:

Mr. Glenn A. Miller, Administrator
Inactive and Abandoned Sites Division
Louisiana Department of Environmental Quality
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178
(225) 765-0487, Fax (225) 765-0484

If you or your attorney have any legal questions pertaining to this matter, please direct them to:

Mr. Louis Buatt, Senior Attorney
Office of Legal Affairs and Enforcement
Louisiana Department of Environmental Quality
Post Office Box 82282
Baton Rouge, Louisiana 70884-2282
(225) 765-0236, Fax (225) 765-0484

The factual and legal discussions contained in this letter are intended solely for notification and information purposes. They are not intended and cannot be relied upon as final LDEQ positions on any matter set forth herein.

Sincerely,

J. Dale Givens
Secretary

JDG:JSB
Attachment: PRP List

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Cactus Pipe & Supply Co.
POTENTIALLY RESPONSIBLE PARTIES (PRPs)

Mr. Robert M. Baldwin, Registered Agent for Service
BBPC Investments, Inc.
10th Floor, 130 DeSiard St.
Monroe, LA 71201

Mr. Jack Bender, Registered Agent for Service
Cactus Pipe & Supply Co.
One Greenway Plaza, Suite 450
Houston, TX 77046

CERCLIS No.: LA0000605278

Reference 5

TDD No.: S06-00-02-0022

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

J. DALE GIVENS
SECRETARY

STATE SITE ASSESSMENT
PHASE 2

Section 1.0 Site Information.

1.1 Site Name.

1.1.1 Primary Site Name.

Cactus Pipe Site

1.1.2 Other Site Name(s).

Alleman Complaint; Cactus Pipe & Supply Co., Inc., Casing Pulling Division

1.2 Site Location.

1.2.1 Site Address and Parish.

Next to 1217 South Fieldspan (Louisiana Highway 724), Duson, Lafayette Parish

1.2.2 Site Directions.

From Interstate Highway 10 westbound, take Exit 92 (the Mire, Duson Exit). At the end of the exit ramp, turn south (left) onto Louisiana Highway 95. Travel south on La. 95 for 1.0 mile or until its junction with US Highway 90. Turn east (left) onto US 90, and travel for 3.1 miles or until its junction with Louisiana Highway 724 (South Fieldspan). Turn south (right) onto La. 724 and travel for 1.0 mile. The site is on the east (left) side of La. 724 at this distance.

1.3 Mailing Address.

Of current site owner:

BBPC Investments, Inc.
810 San Antonio Avenue
Many, LA 71449.

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OFFICE OF WASTE SERVICES INACTIVE AND ABANDONED SITES DIVISION P.O. BOX 82178 BATON ROUGE, LOUISIANA 70884-2178
TELEPHONE (504) 765-0487 FAX (504) 765-0484

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AN EQUAL OPPORTUNITY EMPLOYER

1.4 Township, Range, Section Number.

1.4.1 Township. 10 South

1.4.2 Range. 3 East

1.4.3 Section Number. 35

1.5 Latitude, Longitude.

1.5.1 Latitude. 30° 13' 07" North

1.5.2 Longitude. 92° 08' 28" West

1.6 EPA ID Number. LAD985173517 (RCRA Generator ID #)

1.7 IASD ID Number. 01806

1.8 Maps (See Appendix B).

Site Location, General Site Utilization, and Site Dimension maps prepared by Newpark Environmental Services, Inc. in 1989 have been copied and included in Appendix B.

Section 3.0 Sampling and Analytical Information.

Sampling previous to IASD involvement in the site is detailed in Section 5.0 of the State Site Assessment Phase -1 (SSA-1). These sample results have been determined adequate for IASD assessment purposes, therefore no further sampling was performed by the IASD.

Section 4.0 Potentially Responsible Party (PRP) Information.

4.1 Owners and Operators.

Cactus Pipe & Supply Co., Inc. of Houston, TX originally purchased the site in October, 1971. The property was purchased from private individuals, and file information indicates that site operations began at this time.

In September of 1980, Cactus Pipe & Supply Co., Inc. merged into GEO International Corporation, a Delaware company. Various official documents indicate that Cactus Pipe

5-02

& Supply Co., Inc. was operated as a subsidiary of GEO International Corporation, and did business under the name Cactus Pipe & Supply Co.

In February, 1982, GEO International Corporation transfers title to the site to Cactus Pipe & Supply Co., its subsidiary.

Cactus Pipe & Supply Co. officially changed its name to GEO Pipe Company in October of 1992.

In 1995 GEO International Corporation and its subsidiary GEO Pipe Company were in bankruptcy. The LDEQ-Legal Division (LD) became involved in this bankruptcy due to a motion to abandon the site. The LDEQ-LD objected to the abandonment, and began the investigations described in the SSA-1 that confirmed site contamination. After lengthy negotiations, the LDEQ-LD accepted $125,000.00 from GEO Pipe Company in settlement. The settlement agreement states that this money is to be used only for remediation of the site. Therefore, these funds appear to be available to the IASD for remedial action. It is recommended that Louis Buatt, LDEQ-LD be consulted about the disposition of these funds as he was the lead LDEQ attorney involved in the settlement.

In September a second corporation using the name Cactus Pipe & Supply Co. was organized in the State of Texas. According to an official of this second Cactus Pipe & Supply, they operated at the site under a rental agreement with GEO Pipe Company from 1992 to 1995. The telephone number for this company is (713) 877-1948. The Texas Secretary of State's office reports that the company is active and provided the following address for its Registered Agent for Service:

Mr. Jack Bender, Registered Agent for Service
Cactus Pipe & Supply Co.
One Greenway Plaza, Suite 450
Houston, TX 77046.

In June,1997, the site was sold at a Lafayette Parish Sheriff's Sale for the amount of back property taxes and associated cost to BBCP Investments. The Louisiana Secretary of State's office reports that this company is active and provided the following address for its Registered Agent for Service:

Mr. Robert M. Baldwin, Registered Agent for Service
BBCP Investments, Inc.
10th Floor, 130 DeSiard St.
Monroe, LA 71201.

Another address for the firm is given in Section 1.3.

4.2 Other PRP Information.

No other PRP's have been identified.

Section 5.0 Environmental Pathways.

5.1 Air Pathway Factors.

5.1.1 Surface Soil Impacts.

Previous sampling has documented the presence of contaminated soils in several areas of the site. Information on these contaminated soil areas can be found in Section 5.0 of the SSA-1.

5.1.2 Waste Types.

The contaminated soil areas described above consist of oily soil with lead and Naturally Occurring Radioactive Material (NORM) contamination. Due to the oiliness of this soil, it would appear that it would be unlikely to be a source of particulates. The containerized wastes at the site might be a source of volatiles, however no data exists to confirm or deny this supposition.

5.1.3 Air Release Information.

No observed phenomenon, field screening data, or analytical results have been documented which would prove or disprove a release of hazardous substances to the ambient air.

5.1.4 Target Population.

The site is located adjacent to a rural residential area and agricultural areas, therefore it is assumed that significant numbers of people live or work within the 0.5-mile target distance used for the air pathway.

5.1.5 Nearest Occupied Building.

The nearest occupied building would appear to be a mobile home occupied by Mr. and Mrs. David Champagne at 1217 South Fieldspan. This mobile home is located approximately five feet from the north boundary of the site.

5.2 Groundwater Pathway Factors.

5.2.1 Nearest Well.

The nearest well to the site would appear to be an unregistered well located at the Alleman residence at1213 South Fieldspan. This well was used as a source of drinking water until recently when the Alleman's switched to a rural water district supply. The well is still in use for irrigation, etc.

LDEQ-HWD reports indicate that there is an on-site well. This well does not appear to be registered with the Louisiana Department of Transportation and Development (LDOTD) Water Resources Section. No other information about this on-site well is available.

5.2.2 Groundwater Use.

There are 22 registered wells within the 0.5 mile target distance. Of these 16 are listed as domestic wells, four have been plugged and abandoned, and two are listed as irrigation wells.

5.2.3 Subsurface Sources.

No subsurface sources have been identified.

5.2.4 Target Population.

The site is located adjacent to a rural residential area and agricultural areas, therefore it is assumed that significant numbers of people live or work within the 0.5-mile target distance used for the groundwater pathway.

5.3 Surface Water Pathway Factors.

5.3.1 Surface Water Drainage Path.

There are on-site ditches that drain the site toward the east. These connect to ditches that empty into the Indian Bayou floodplain. Indian Bayou is approximately one mile east of the site.

5.3.2 Surface Water Impacts.

No surface water impacts have been documented.

5.3.2 Run-Off Potential.

The on-site ditches would be the only observed features that would increase run-off potential.

5.3.3 Floodplain Information.

The site does not appear to lie within the 100-year floodplain.

5.3.4 Habitat Information.

No environmentally sensitive areas have been identified in the surface water drainage path.

5.4 Surface Soil Exposure Pathway Factors.

5.4.1 Surface Soil Impacts.

Previous sampling has documented the presence of contaminated soils in several areas of the site. Information on these contaminated soil areas can be found in Section 5.0 of the SSA-1.

5.4.2 Evidence of Site Visitation.

The recently mowed grass on the site is evidence of recent site visitation.

5.4.3 Waste Accessibility.

Since the site is incompletely fenced, the only barrier to waste accessibility would be the closed containers present on the site.

5.4.4 Target Population.

The site is located adjacent to a rural residential area and agricultural areas, therefore it is assumed that significant numbers of people live or work within the 0.5-mile target distance used for the surface soil exposure pathway.

Section 6.0 Narrative

This SSA-2 has been completed for documentation of PRP's and environmental pathway information. Previous sampling has confirmed the presence of hazardous waste (D008-leachable lead) and NORM contamination (see Sections 4.0 & 5.0 of the SSA-1).

5-06

The LDEQ-LD was involved in collecting $125,000.00 from the bankruptcy of the GEO Pipe Company that operated the site. This settlement is to be used for site remediation, and should be available to the LDEQ-IASD (see Section 4.1). Other identified PRP's include Cactus Pipe & Supply Co. of Houston, TX, that operated at the site under a rental agreement; and BBCP Investments, the firm that recently purchased the site.

Section 7.0 Recommendation

It is recommended that the site be transferred to the IASD Remedial Unit for remediation of the confirmed contamination present at the site. It is anticipated that the remediation of the site will be a joint effort between the LDEQ-IASD and the LDEQ-Radiation Protection Division (RPD).

Prepared by: Keith Horn date: 8/7/98
Keith Horn, Environmental Specialist

Reviewed by: John Halk date: 8/7/98
John Halk, Program Manager

Printed and disc copies should be submitted to the Database Analyst

Appendix A

Sources of Information

5-08

References

Joe Alleman; telephone conversation with Keith Horn, LDEQ-IASD, July 27, 1998.

Debra Bendily LDEQ-IASD; Site Discovery Form (SD), Cactus Pipe Site, with attachment, IASD Files, Baton Rouge, September 27, 1996.

Phillip O. Clark, Ph.D., Newpark Environmental Services, Inc.; Affidavit to US Bankruptcy Court for the Northern District of Illinois, with attachments; IASD Files Baton Rouge, May 16, 1995.

Michael Henry, LDEQ-RPD, Memorandum to Caroline C. Donlon, LDEQ-LD; IASD Files, Baton Rouge, June 9, 1995.

Keith Horn, LDEQ-IASD; Memorandum to the Cactus Pipe Site File, with attachments; IASD Files, Baton Rouge, January 26, 1998.

Keith Horn, LDEQ-IASD; Memorandum to the Cactus Pipe Site File, with attachments; IASD Files, Baton Rouge, January 6, 1998.

Keith Horn, LDEQ-IASD; Preliminary Identification and Information Form (PII), Cactus Pipe Site; IASD Files, Baton Rouge, September 27, 1996.

Keith Horn, LDEQ-IASD; telephone conversation with a Corporate Researcher, Louisiana Secretary of State's Office, Corporations Division, August 3, 1998

Keith Horn, LDEQ-IASD; telephone conversation with a Corporate Researcher, Texas Secretary of State's Office, Corporations Division, August 3, 1998

Matthew N. Kleinman, Kirkland & Ellis; Letter to Louis E. Buatt, with attachment; IASD Files, Baton Rouge, August 28, 1995.

William L. "Pat" Ready, Cactus Pipe & Supply; Letter to Mike D. McDaniel, LDEQ-Nuclear Energy Division, with attached NORM Survey; IASD Files, Baton Rouge, October 17, 1990.

Chris Simms, LDEQ-HWD; General Inspection Report, GEO Pipe; IASD Files, Baton Rouge, July 13, 1995.

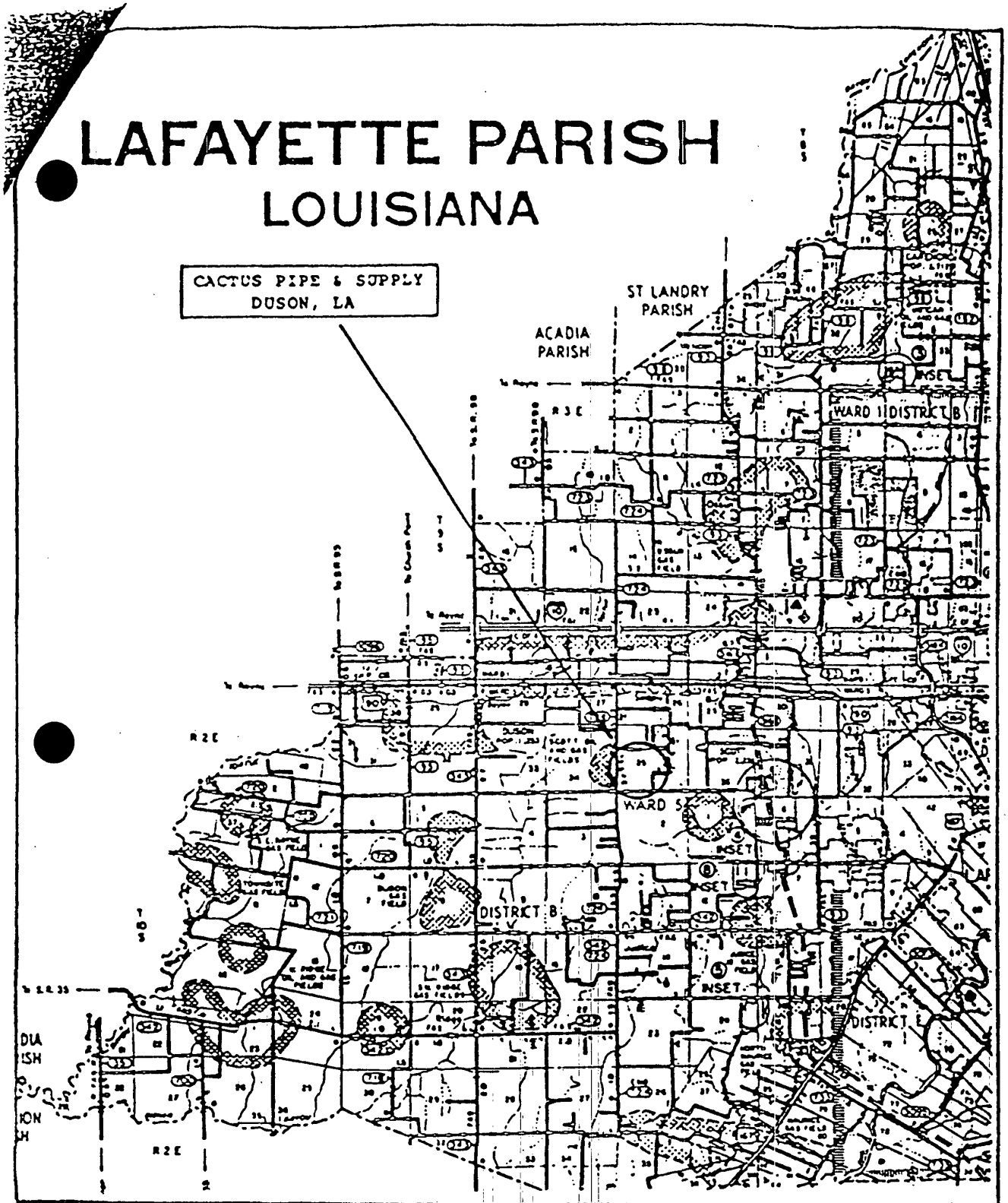
Chris Simms, LDEQ-HWD; General Inspection Report, GEO Pipe; IASD Files, Baton Rouge, June 7, 1995.

United States Environmental Protection Agency; CERCLIS3 Database, Query Date: May 7, 1998.

United States Department of the Interior, Geological Survey; Topographic Map, 7.5 Minute Series, Baton Rouge, East, La., 1989.

Appendix B

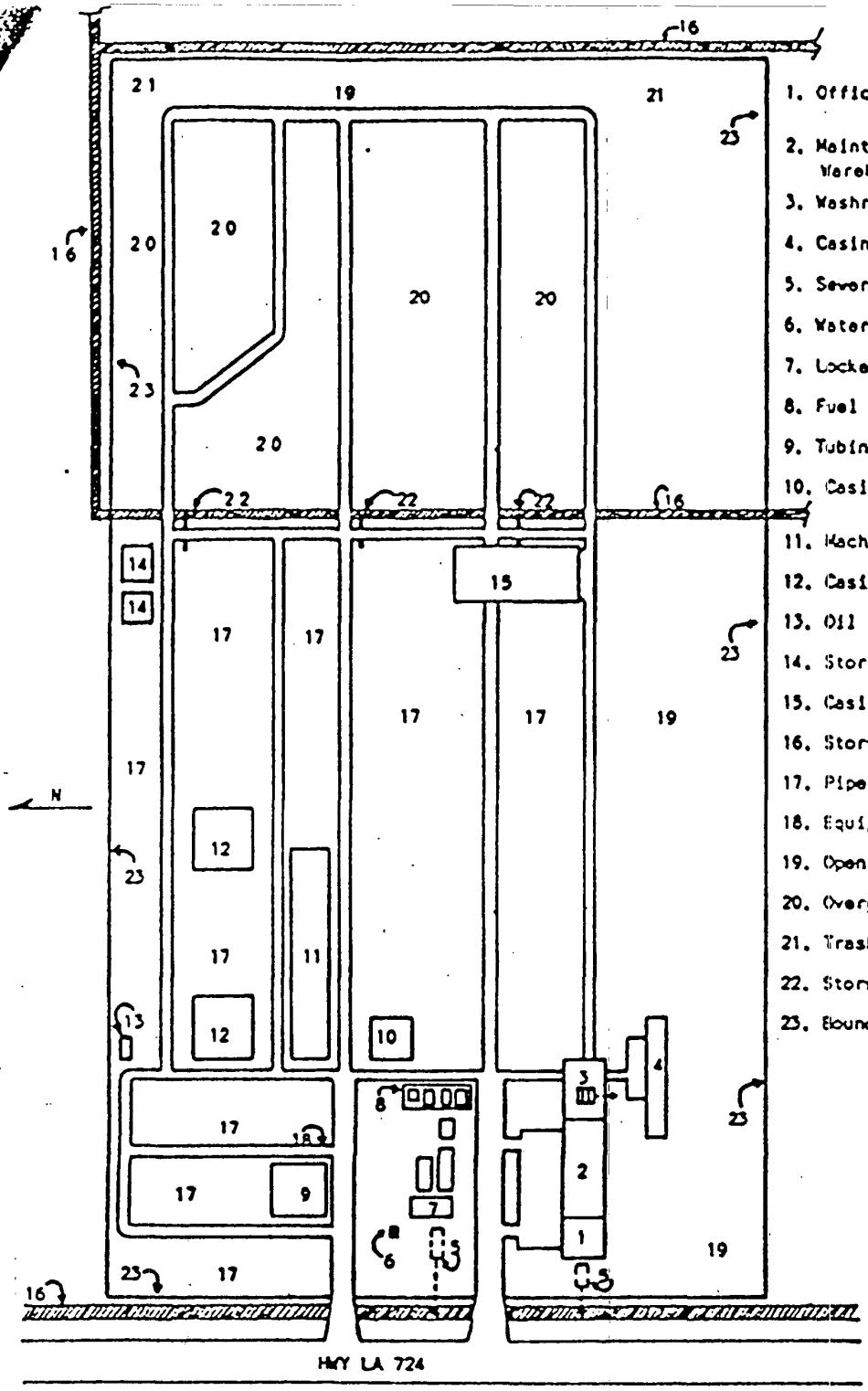
Site Maps



NEWPARK ENVIRONMENTAL SERVICES INC.

Title: CACTUS PIPE & SUPPLY DUSON, LA SITE LOCATION		
Scale: n/a	Drawn by: n/a	Approved by:
Date: 12/18/89	Drawing No. Figure 1	Rev. No.

5-12



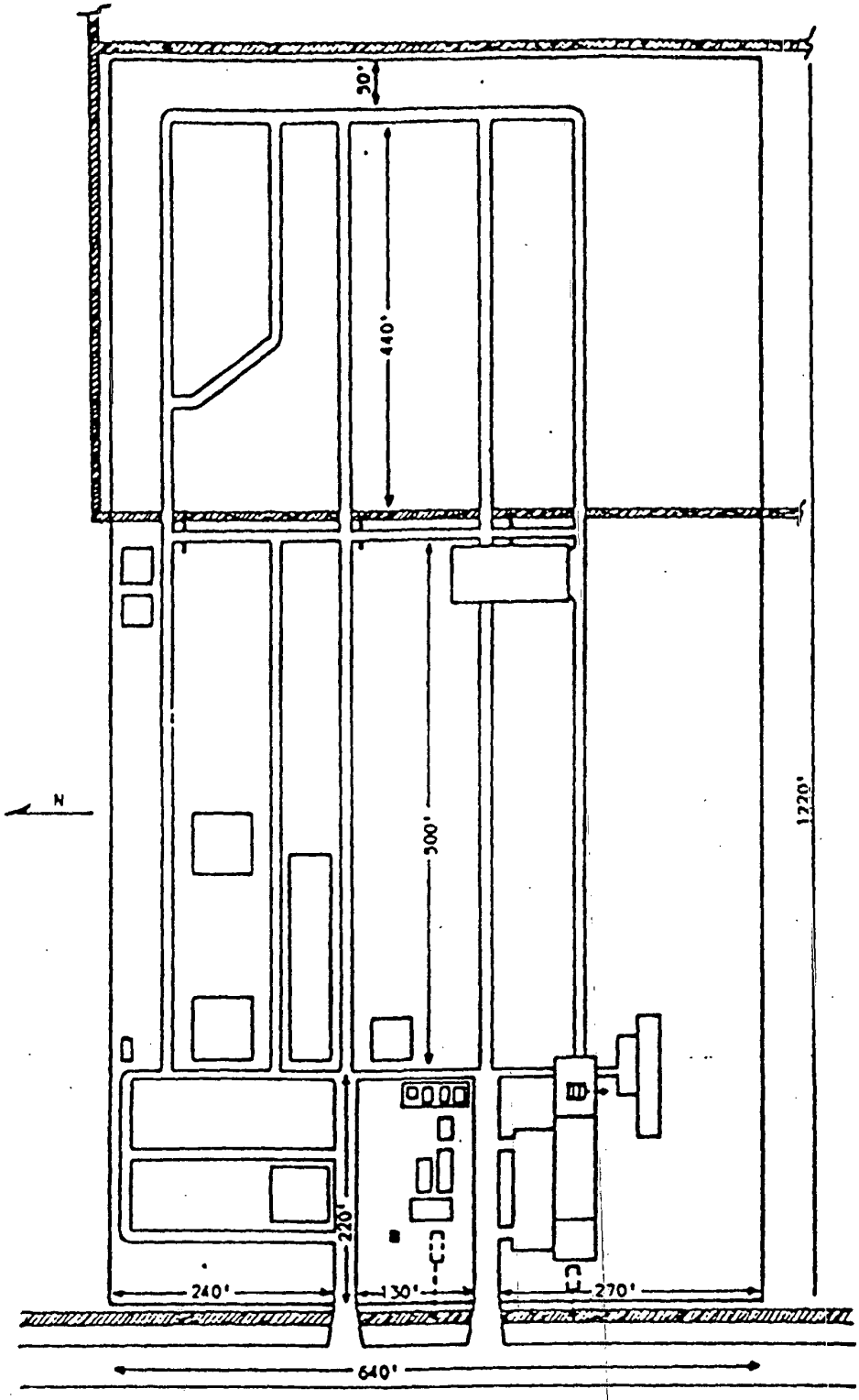
1. Office
2. Maintenance Shop/ Warehouse
3. Washrack
4. Casing Cleaner
5. Severage Unit
6. Water Well
7. Locker Room
8. Fuel Storage Area
9. Tubing Cleaning/Inspection
10. Casing Cutter
11. Machine Shop
12. Casing Hydrostatic Testing
13. Oil Storage Tank
14. Storage Shed
15. Casing Inspection
16. Stormwater Drainage
17. Pipe Storage
18. Equipment Maintenance
19. Open Areas
20. Overgrown Storage
21. Trash
22. Stormwater Discharge Lines
23. Boundary Fence

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: CACTUS PIPE & SUPPLY SITE UTILIZATION		
Scale: 1/8" = 20'	Drawn by: poc	Approved by:
Date: 11-21-89	Drawing No. Figure 2	Rev. No.

recycled paper

ecology and environment



NEWPARK
ENVIRONMENTAL SERVICES
INC.

Title: CACTUS PIPE & SUPPLY SITE DIMENSIONS (APPROXIMATE)		
Scale: as shown	Drawn by: poc	Approved by:
Date: 11-21-89	Drawing No. Figure 3	Rev. No.

5-14

8/4/98

OFFICE OF SOLID AND HAZARDOUS WASTE
INACTIVE & ABANDONED SITES DIVISION

SECTION: FS
ORIGINATOR: KEITH HORN
PROJECT: CACTUS PIPE
DATE: 8/4/98

	Req'd	Signature	Date	Comments
Other Coordinator	X	OUT FOR 2 WKS		- KEITH NEEDS ~~X~~ 3 COPIES OF SJA-2 & MEMO - TERRI NEEDS 1 COPY OF SJA-2 MEMO + DISC COPY OF SAME.
Program Manager	X			
Assist. Administrator				
Administrator			8/7/98	
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				
Other				

5-5

recycled paper and environment

CERCLIS No.: LA0000605278

Reference 6

TDD No.: S06-00-02-0022

State of Louisiana

Department of Environmental Quality

M.J. "MIKE" FOSTER, JR.
GOVERNOR

J. DALE GIVENS
SECRETARY

STATE SITE ASSESSMENT
PHASE 1

Section 1.0 Site Information.

1.1 Site Name.

1.1.1 Primary Site Name.

Cactus Pipe Site

1.1.2 Other Site Name(s).

Alleman Complaint; Cactus Pipe & Supply Co., Inc., Casing Pulling Division

1.2 Site Location.

1.2.1 Site Address and Parish.

Next to 1217 South Fieldspan (Louisiana Highway 724), Duson, Lafayette Parish

1.2.2 Site Directions.

From Interstate Highway 10 westbound, take Exit 92 (the Mire, Duson Exit). At the end of the exit ramp, turn south (left) onto Louisiana Highway 95. Travel south on La. 95 for 1.0 mile or until its junction with US Highway 90. Turn east (left) onto US 90, and travel for 3.1 miles or until its junction with Louisiana Highway 724 (South Fieldspan). Turn south (right) onto La. 724 and travel for 1.0 mile. The site is on the east (left) side of La. 724 at this distance.

1.3 Mailing Address.

Of current site owner:

BBPC Investments, Inc.
810 San Antonio Avenue
Many, LA 71449.

6-01

OFFICE OF WASTE SERVICES INACTIVE AND ABANDONED SITES DIVISION P.O. BOX 82178 BATON ROUGE, LOUISIANA 70884-2178
TELEPHONE (504) 765-0487 FAX (504) 765-0484

recycled paper
AN EQUAL OPPORTUNITY EMPLOYER

1.4 Township, Range, Section Number.

1.4.1 Township. 10 South

1.4.2 Range. 3 East

1.4.3 Section Number. 35

1.5 Latitude, Longitude.

1.5.1 Latitude. 30° 13' 07" North

1.5.2 Longitude. 92° 08' 28" West

1.6 EPA ID Number. LAD985173517 (RCRA Generator ID #)

1.7 IASD ID Number. 01806

1.8 Maps (See Appendix B).

Site Location, General Site Utilization, and Site Dimension maps prepared by Newpark Environmental Services, Inc. in 1989 have been copied and included in Appendix B. Other detail maps of sampling locations, etc. have not been copied due to the large number of such maps. These other maps are available in the referenced documents placed in the IASD site file.

Section 2.0 Regulatory Status.

2.1 Environmental Permits.

The only environmental "permit" listed in the site file is the RCRA Generator ID Number, LAD985173517. This appears to have been issued by the LDEQ-Hazardous Waste Division (HWD).

2.2 CERCLIS Information.

The site does not appear to be listed in the EPA CERCLIS3 Database.

6-02

2.3 Actions Taken by the LDEQ-IASD.

Mr. Gil Pinac, State Representative for the area referred this site to the LDEQ-Office of Waste Services. Representative Pinac had received a complaint about the site from a Mr. Joe Alleman, one of his constituents. Mr. Mike Strong, Assistant Secretary of the Office of Waste Services assigned the site to the IASD. An IASD Site Discovery Form was completed on December 9, 1997.

On December 10, 1997, Keith Horn and Edwin Akujobi, LDEQ-IASD, made an inspection of the site and met with Mr. Joe Alleman, the original complainant.

On December 30, 1997, Keith Horn, Edwin Akujobi, and Regina Atterberry, LDEQ-IASD, inspected the site and visited the nearby R & S Pipe and Supply yard to gain information from former site employees.

On January 13 & 14, 1998, Keith Horn, LDEQ-IASD, researched the civil records pertaining to the site at the Lafayette Parish Courthouse.

2.4 Regulatory Jurisdiction.

The site is in inactive pipe-yard with confirmed hazardous waste contamination of onsite soils. The Assistant Secretary of the Office of Waste Services assigned the investigation of this site to the IASD. Jurisdiction over this aspect of the site would therefore fall under the jurisdiction of the IASD.

However, the presence of Technologically Enhanced Naturally Occurring Radioactive Material (TENR)/Naturally Occurring Radioactive Material (NORM) has also been documented at the site. Regulation of radioactive materials in Louisiana falls under the jurisdiction of the LDEQ-Radiation Protection Division (RPD).

It is anticipated that the remediation of the site will be a joint jurisdictional effort involving the LDEQ-IASD and the LDEQ-RPD.

Section 3.0 Site Activities and Processes.

3.1 Primary Process of Environmental Concern.

Other (OT): the site was operated as a pipe yard, involved in the cleaning, threading, and distribution of drill pipe for oilfield use.

3.2 Operational and Process History.

File information indicates that the site was in operation as a pipe yard from approximately 1971-1995. Operations at the site included in the cleaning, threading, and distribution of drill pipe for oilfield use. Various firms operated the site during this period, but the processes used at the site appeared to be essentially constant.

Section 4.0 Potential Sources of Contamination.

IASD personnel have identified the following potential sources of contamination from file information concerning the site. It should not be assumed that all potential areas of contamination have been identified. It is expected that the extent of contamination at the site could be delineated during a Remedial Investigation (RI).

Contaminated Soil Areas:

An environmental assessment performed by Newpark Environmental Services in 1990 identified levels of leachable soil lead in the casing inspection, rear casing testing, and tubing cleaning/testing areas that exceed the limit for classification as a hazardous waste. The Newpark soil samples from these areas came from surface soils (0'-2'), with the highest levels of leachable lead being found in the 0'-1' samples. These reports also document large areas of oily soil around virtually all process areas. LDEQ-HWD reports express concerns that these all of these oily soil areas may contain leachable levels of lead.

Waste Pile:

A pile of contaminated soil was placed at the southeast corner of the site, against the rear fence-line. This waste pile was apparently a result of an attempted remedial effort by the site operators. LDEQ-HWD reports indicate that this pile is composed of soil contaminated with a mixture of D008 hazardous wastes (leachable lead) and TENR/NORM. The size of this pile was estimated to be 6' in height and 200' long by LDEQ-HWD inspectors.

Sumps:

Several sumps are found at the site. These range from drain grates in the warehouse, to grossly oily open pits in the yard areas. LDEQ-HWD and LDEQ-Office of Water Resources (OWR) personnel sampled two of these sumps in 1995. These two sumps are identified as # 9 and # 12A in the HWD sampling inspection report. It is stated in this report that these numbers correspond to the General Site Utilization map prepared by Newpark Environmental Services, a copy of which is included in Appendix B of this State Site Assessment Phase-1 (SSA-1). The HWD analysis of this sump sediment documented levels of leachable lead in

6-04

the sump sediment that exceed the limit for classification as a hazardous waste. The OWR analysis of these samples showed high levels of total lead, barium, and chromium (see the LDEQ-HWD General Inspection Report dated July 13, 1995 in the IASD site file for details).

Containers:

LDEQ-IASD inspectors noted that various containers were scattered over the yard areas and within the buildings. Approximately 50 55-gal. drums were noted. Although some of these drums appeared empty, or were filled with rainwater, others appeared to contain oily materials, or other liquids. Some of these drums bore the Department of Transportation (DOT) flammable liquid label. Approximately 35 5-gal. buckets were also observed. Many of these containers appeared to be in poor condition. Some lacked tops and it was observed that significant amounts of their contents had been displaced on the ground by rainwater. A pallet of bags containing a white material was also noted in one of the two small shop buildings on the northeast portion of the site.

LDEQ-HWD reports state that many of the 5-gal. buckets contain leaded "pipe-dope" or thread compound. Label information indicated the thread compound was 60% leaded. This material therefore would most likely be classified as a hazardous waste due to the probable leachability of this lead content. It is also thought that longtime use of such leaded thread compounds is the primary source of the lead contamination found in site soils.

Section 5.0 Previous Sampling and Analyses.

5.1 Sampling and Analytical Information.

File information documents three major sampling episodes that have occurred at the site. Since the data from these events is extensive, only a brief summary of the results is included in this report. More detailed information is available in the documents referenced in the text below. All of these documents are available in the IASD site file.

The first documented sampling episode occurred in early 1990. This sampling and analysis was performed by Newpark Environmental Services, and was focused on potential hydrocarbon, hazardous waste, and heavy metal contamination at the site. This data was used by Newpark to complete a Phase 2 Assessment. The results of this sampling episode are documented in the attachments to the Affidavit of Phillip O. Clark, Ph.D., a copy of which has been placed in the IASD site file.

The second documented sampling episode occurred in mid 1990. This survey, sampling, and analysis appears also to have been performed by Newpark Environmental Services, and was focused on NORM and radiation parameters. The site was surveyed for NORM

using direct-reading field instruments, and samples from certain areas were selected for laboratory analysis for total radium 226. The results of this survey and sampling are documented in the attachments to a letter from William L. "Pat" Ready, Cactus Pipe & Supply, to Mike D. McDaniel, LDEQ-Nuclear Energy Division dated October 17, 1990 (now known as the LDEQ-RPD) a copy of which has been placed in the IASD site file.

The final documented sampling episode was a multi-divisional effort by the LDEQ conducted in 1995. This sampling was done to provide information for the LDEQ-Legal Division (LD) in its bankruptcy claim against GEO International (the operator of the site at the time). Samples were collected by HWD, OWR, and Groundwater Protection Division (GWPD) personnel. Documentation of the results of the HWD and OWR samples can be found in the LDEQ-HWD HWD General Inspection Report dated July 13, 1995, and its attachments. A copy of this report has been placed in the IASD site file.

5.2 Sampling and Analytical Discussion.

The 1990 Newpark Phase 2 sampling found leachable levels of lead in the soil at the casing inspection, rear casing testing, and tubing cleaning/testing areas that exceed the limit for classification as a hazardous waste (>5.0mg/kg). These samples were analyzed using the EP Toxicity test that is the precursor to the modern Toxicity Characteristic Leachate Procedure (TCLP). Samples from various areas of oily soil were also collected and analyzed for percent oil and grease. The resulting oil and grease percentages indicate that Total Petroleum Hydrocarbon (TPH) concentrations in these areas may exceed current levels of concern.

The 1990 Newpark NORM survey found numerous areas and pieces of equipment that exceeded the 50μR/hr action level established by the LDEQ-RPD. The sampling for radium 226 also found three areas which exceeded the regulatory levels for this substance. The maps that are attached to the letter from William L. "Pat" Ready, Cactus Pipe & Supply, to Mike D. McDaniel, LDEQ-Nuclear Energy Division dated October 17, 1990 delineate the areas of TENR/NORM contamination.

The available results from the 1995 LDEQ multi divisional inspection document contamination of two sumps identified as # 9 and # 12A in the HWD sampling inspection report. It is stated in this report that these numbers correspond to the General Site Utilization map prepared by Newpark Environmental Services, a copy of which is included in Appendix B of this SSA-1. The HWD analysis of this sump sediment documented levels of leachable lead in the sump sediment that exceed the limit for classification as a hazardous waste. The OWR analysis of these samples showed high levels of total lead, barium, and chromium in the sediment.

6-06

Section 6.0 Narrative.

The Cactus Pipe Site was in operation as a pipe yard from approximately 1971-1995. Operations at the site included in the cleaning, threading, and distribution of drill pipe for oilfield use. Various firms operated the site during this period. LDEQ inspection reports indicate that the site lacked good housekeeping during its operation, and many of the practices employed at the site violated LDEQ regulations.

Past sampling at the site confirms that leachable lead and TENR/NORM contamination is present in surface soils and sump sediment in several areas. Lead concentrations that exceed the regulatory levels for designation as hazardous wastes have been documented in these soil areas. It has also been documented that there are extensive areas of oily soil at the site. Samples from these areas showed percentage levels of oil and grease. These oil and grease percentages indicate that Total Petroleum Hydrocarbon (TPH) concentrations in these areas may exceed current levels of concern.

Approximately 50 55-gal. drums have been observed at the site. Although some of these drums appeared empty, or were filled with rainwater, others appeared to contain oily materials, or other liquids. Some of these drums bore the Department of Transportation (DOT) flammable liquid label. Approximately 35 5-gal. buckets were also observed. Many of these containers appeared to be in poor condition. Some lacked tops and it was observed that significant amounts of their contents had been displaced on the ground by rainwater.

Section 7.0 Recommendation.

It is recommended that the site proceed to the State Site Assessment Phase-2 for documentation of Potentially Responsible Parties (PRP's) and environmental pathways only. This is recommended because previous sampling has confirmed hazardous waste (D008) and NORM contamination at the site. Further sampling by IASD is not needed for assessment purposes.

Prepared by: Keith Horn date: 7/17/98
Keith Horn, Environmental Specialist

Reviewed by: Debra Bendily date: 7/26/98
Debra Bendily, Coordinator

Submit printed and disc copies to the Database Analyst

6-07

Appendix A

Sources of Information

6-08

References

Debra Bendily LDEQ-IASD; Site Discovery Form (SD), Cactus Pipe Site, with attachment, IASD Files, Baton Rouge, September 27, 1996.

Phillip O. Clark, Ph.D., Newpark Environmental Services, Inc.; Affidavit to US Bankruptcy Court for the Northern District of Illinois, with attachments; IASD Files Baton Rouge, May 16, 1995.

Michael Henry, LDEQ-RPD, Memorandum to Caroline C. Donlon, LDEQ-LD; IASD Files, Baton Rouge, June 9, 1995.

Keith Horn, LDEQ-IASD; Memorandum to the Cactus Pipe Site File, with attachments; IASD Files, Baton Rouge, January 26, 1998.

Keith Horn, LDEQ-IASD; Memorandum to the Cactus Pipe Site File, with attachments; IASD Files, Baton Rouge, January 6, 1998.

Keith Horn, LDEQ-IASD; Preliminary Identification and Information Form (PII), Cactus Pipe Site; IASD Files, Baton Rouge, September 27, 1996.

Matthew N. Kleinman, Kirkland & Ellis; Letter to Louis E. Buatt, with attachment; IASD Files, Baton Rouge, August 28, 1995.

William L. "Pat" Ready, Cactus Pipe & Supply; Letter to Mike D. McDaniel, LDEQ-Nuclear Energy Division, with attached NORM Survey; IASD Files, Baton Rouge, October 17, 1990.

Chris Simms, LDEQ-HWD; General Inspection Report, GEO Pipe; IASD Files, Baton Rouge, July 13, 1995.

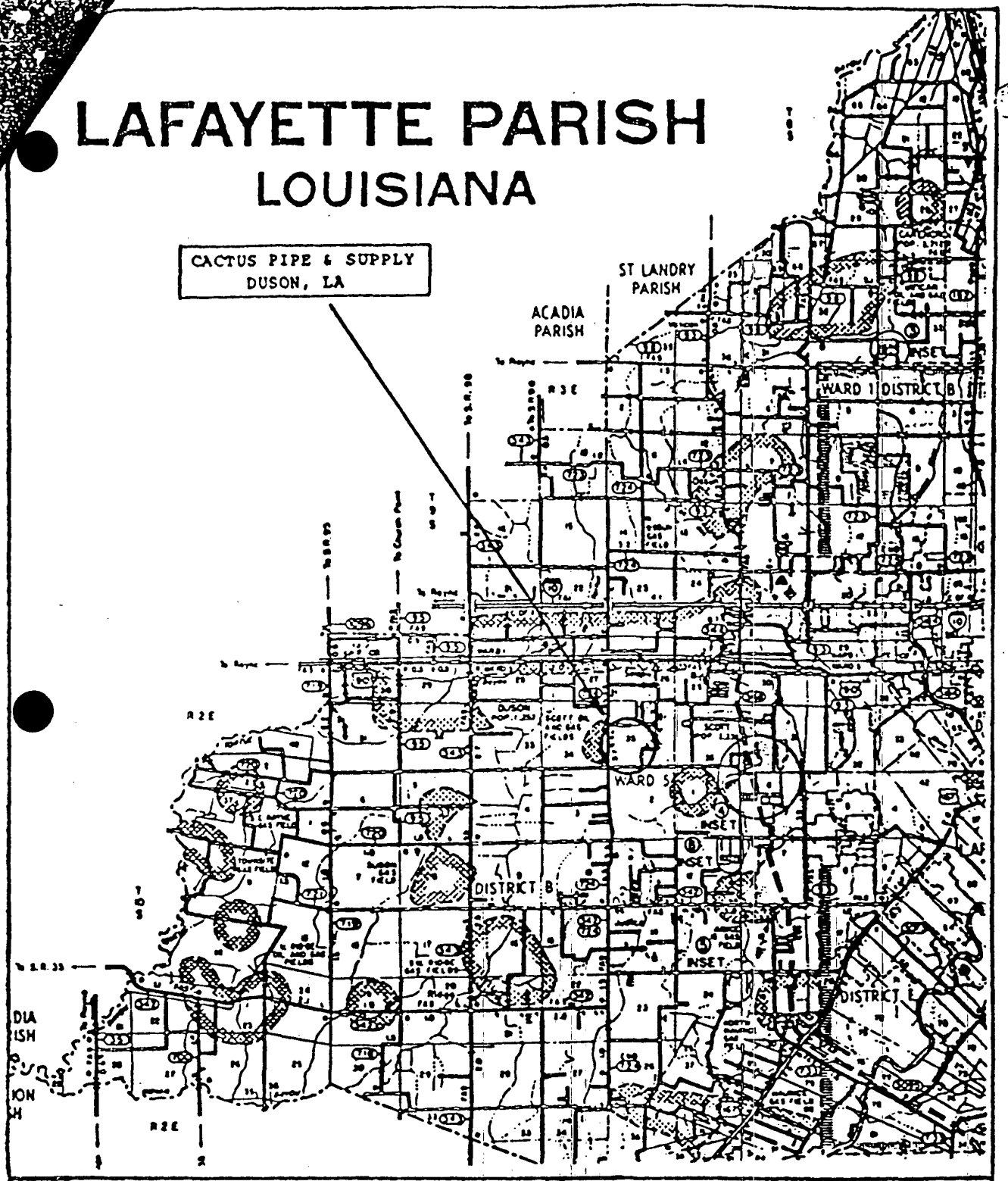
Chris Simms, LDEQ-HWD; General Inspection Report, GEO Pipe; IASD Files, Baton Rouge, June 7, 1995.

United States Environmental Protection Agency; CERCLIS3 Database, Query Date: May 7, 1998.

Appendix B

Site Maps

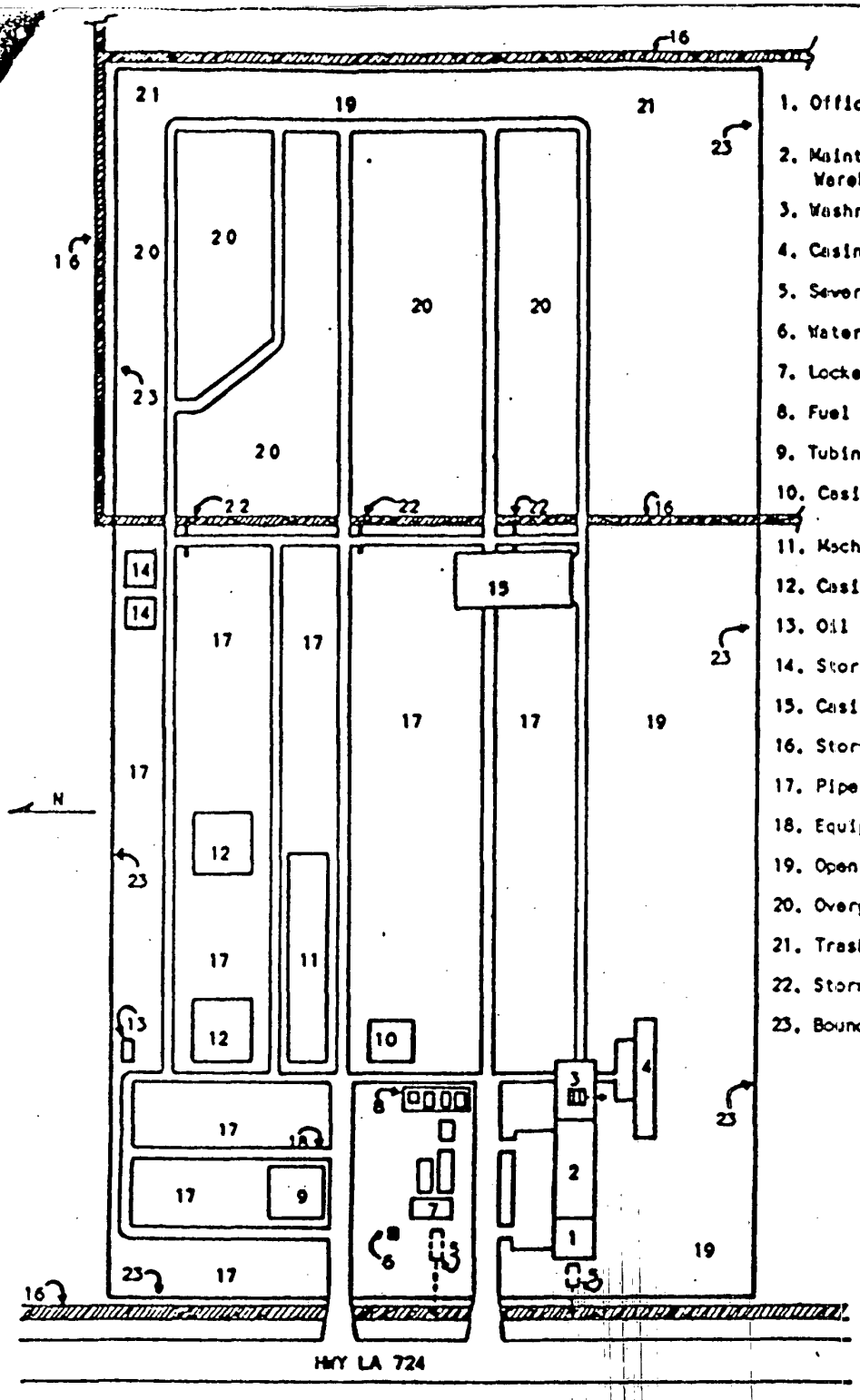
LAFAYETTE PARISH
LOUISIANA



NEWPARK ENVIRONMENTAL SERVICES INC.

Title: CACTUS PIPE & SUPPLY DUSON, LA SITE LOCATION		
Scale: n/a	Drawn by: n/a	Approved by:
Date: 12/18/89	Drawing No. Figure 1	Rev. No.

6-12



1. Office
2. Maintenance Shop/ Warehouse
3. Washrack
4. Casing Cleaner
5. Sewerage Unit
6. Water Well
7. Locker Room
8. Fuel Storage Area
9. Tubing Cleaning/Inspection
10. Casing Cutter
11. Machine Shop
12. Casing Hydrostatic Testing
13. Oil Storage Tank
14. Storage Shed
15. Casing Inspection
16. Stormwater Drainage
17. Pipe Storage
18. Equipment Maintenance
19. Open Areas
20. Overgrown Storage
21. Trash
22. Stormwater Discharge Lines
23. Boundary Fence

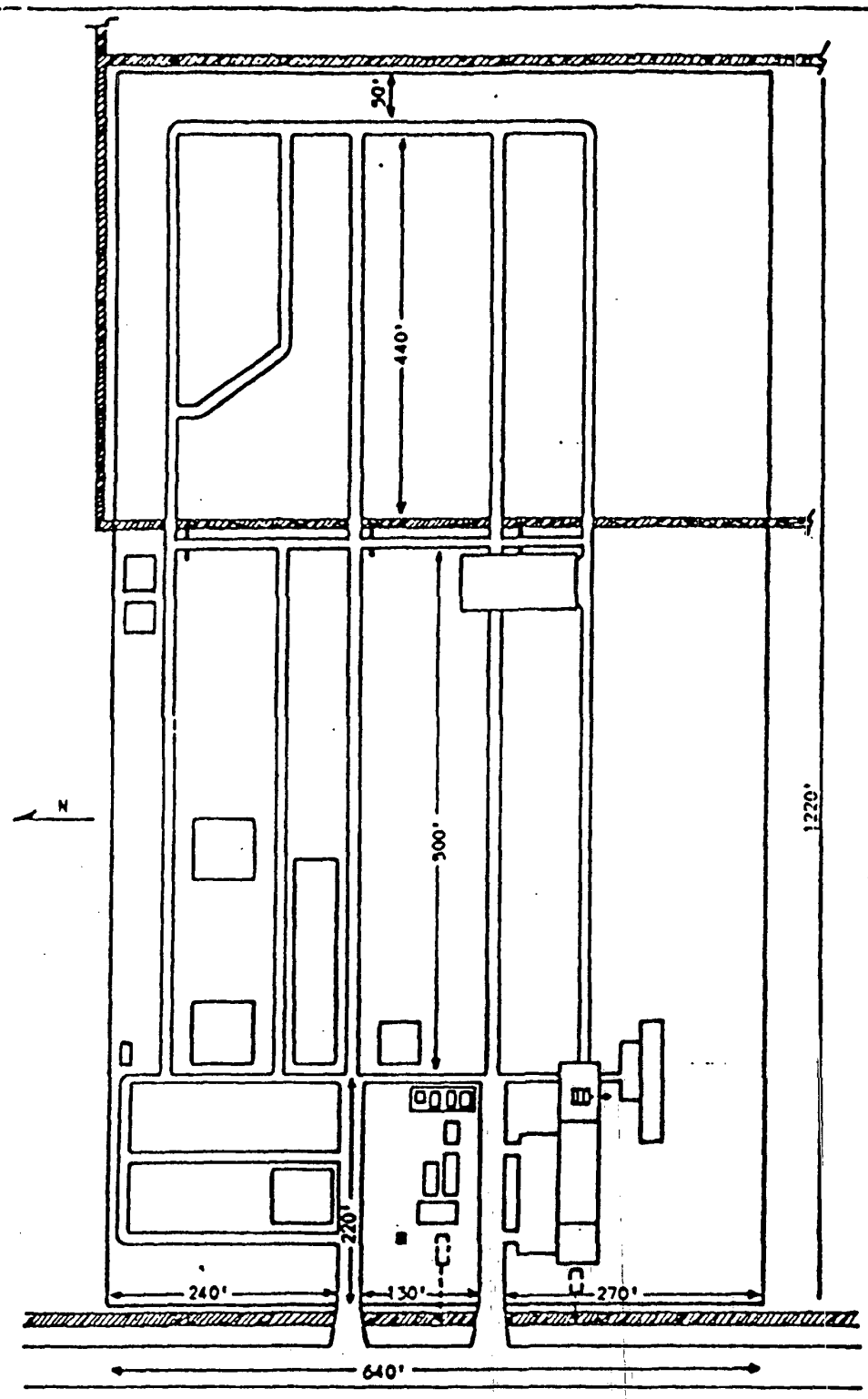
NEWPARK ENVIRONMENTAL SERVICES INC.

Title: CACTUS PIPE & SUPPLY SITE UTILIZATION		
Scale: 1/8" = 20'	Drawn by: poc	Approved by:
Date: 11-21-89	Drawing No. Figure 2	Rev. No.

recycled paper

ecology and environment

6-13



NEWPARK
ENVIRONMENTAL SERVICES
INC.

Title: CACTUS PIPE & SUPPLY SITE DIMENSIONS (APPROXIMATE)		
Scale: as shown	Drawn by: poc	Approved by:
Date: 11-21-89	Drawing No. Figure 3	Rev. No.

6-14

OFFICE OF SOLID AND HAZARDOUS WASTE
INACTIVE & ABANDONED SITES [illegible]ION

SECTION: FS
ORIGINATOR: KEITH NORD

PROJECT:
DATE: 7/12/98

	Req'd	Signature	Date	Comments
Other Coordinator	X	[signature]	7/14/98	3 COPIES OF DOC. TO K. NORD 1 COPY OF DOC. TO T. GIBSON
Program Manager	X	[signature]		
Assist. Administrator				
Administrator				
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				
Other				

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recycled paper

ecology and environment

CERCLIS No.: LA0000605278

Reference 7

TDD No.: S06-00-02-0022

DOUG MCREYNOLDS
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name John E Pomrer
Address 1307 South Fieldspan
Duson, LA 70529
Phone 337 - 873 0409
(Area Code) (Number)

Date 3 / 3 / 00
(Mo) (Day) (Year)
Time 240 AM/PM
[ ] Originator Placed Call
[X] Originator Received Call

TDD# 506-00-01-0020 PAN# 10765GSAXX

Subject Cactus Pipe

Discussion: John Pomrer said that he owned the sotern part of Cactus Pipe (old name) he said Grey Wolf (formerowner) spent 60,000.00 to dig up some dirt + trees of norm waste + put down new soil, SOLOCO did the machinery work He said the norm waste had a 400 reading + his property was approximately 3 acres. He said we could send a letter to the above address

Follow-Up-Action:

Originator's Signature:

7-01

CERCLIS No.: LA0000605278

Reference 8

TDD No.: S06-00-02-0022

Jim Dellinger
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name Vicki

Association Tax Office

Address Lafayette Parish, LA

Phone Vicki 337. 291. 7080 506-00-02-0022
(Area Code) Number TDD# ~~1099~~ SMO PAN# 109906 Stxx

Date 3 / 2 / 00
(Mon.) (Day) (Year)

Time 1550 AM/PM

[✓] Originator Placed Call

[ ] Originator Received Call

Subject Cactus Ownership

Discussion: Lat. Parish Clerk of Court - 337. 291. 6330 - Wrong #
Tax Assessor 337. 291. 7080 * Assesment # 21077 *
and 21078
21077 - 14 acres Geo Pipe owns went to defaut ~~BBCP~~ SMO
~~still gets Tax~~ SMO BBCP paid tax's in 1997 at tax
sale Therefor they have a lean in Many, LA.
No address on Geo Pipe. The officers of GEO Pipe
own the property until they dissolve the corporation
Check with Sec.
21078 - 6.765 acre John E Pomier 5-4-99 From
Gary Wolf was under Cactus then Geo
917 South Fieldspan Rd. Duson. Paid '99 taxes.
→ John E. Pomier

Follow-Up Action:

Originator's Signature: Jim Dellinger

8-01

CERCLIS No.: LA0000605278

Reference 9

TDD No.: S06-00-02-0022

Jim Dellinger
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name Robert Baldwin

Association Registered Agent for Service

Address BBCP Investments, Inc.

10TH Floor, 130 DeSiard St.
Monroe, LA 71201

Phone 318/388-4400
(Area Code) Number

Date 3 / 2 / 00
(Mon.) (Day) (Year)

Time 1020 AM/PM

[ ] Originator Placed Call

[ ] Originator Received Call

TDD# _____ PAN# _____

Subject Cactus Pipe + Supply

Discussion: Information BBPC Investments in Many in Monroe Robert Baldwin 318/388-4400 left msg. to have him call me.
Called back.
He said that in 1999 he talked with Louis Buatt. Mr. Buatt told him not to come to the scheduled meeting. He believes this is because Louis realized that BBCP did not own the propert.

Follow-Up Action: _____

Originator's Signature: J. Dell

9-01

CERCLIS No.: LA0000605278

Reference 10

TDD No.: S06-00-02-0022

Jim Dellinger
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name Louis Buatt

Association LOECO Legal Dept.

Address Baton Rouge LA

Phone 225. 765-0236
(Area Code) Number

TDD# _____ PAN# _____

Date 3 / 2 / 00
(Mon.) (Day) (Year)

Time 1020 AM/PM

[✓] Originator Placed Call

[ ] Originator Received Call

Subject Cactus Pipe property

Discussion: Louis is not sure of status. He thinks that BBCP did not pay the taxes at Sheriff's sale and therefore, may not have every taken possession of the property. If this is the case the property would still be the possession of the bankrupt party.

Follow-Up Action: _____

Originator's Signature: James M. Dellinger

10-01

CERCLIS No.: LA0000605278

Reference 11

TDD No.: S06-00-02-0022

Amanda Bordelon
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name: William Grassip
Address: President Greg Pipe

Phone: (630) 208-2386
(Area) (Number)

Subject: Access Agreement

Date: 4/12/00
(Mo) (Day) (Year)

Time: 0910 AM / PM

[X] Originator Placed Call
[ ] Originator Received Call

TDD# S06-00-02-0022
PAN# 109906SAXX

Discussion:

Greg Pipe is a dissolved Corp. which no longer holds any assets. The attorney which dealt w/ the bankruptcy was Matt Klinerman: 312-861-2031.

Grassip said he does not have the authority to sign any access agreement because the ~~pot~~ property was turned over to the state.

He has not received any access agreement from CT Corporation.

Follow-Up Action:

Originator's Signature: Amanda Bordelon

11-01

CERCLIS No.: LA0000605278

Reference 12

TDD No.: S06-00-02-0022

JASD ID # 01806

Exhibit

Affidavit of Phillip O. Clark, Ph.D

RECEIVED
JUN 8 1995
L.A. Dept. of Environmental Quality
Office of Legal Affairs
& Enforcement

UNITED STATES BANKRUPTCY COURT
FOR THE NORTHERN DISTRICT OF ILLINOIS
EASTERN DIVISION

In re:	)	
	)	Chapter 11
GEO PIPE COMPANY,	)	
f/k/a Cactus Pipe & Supply Co.,	)	Case No. _____
	)	
Debtor.	)	Hon. John D. Schwartz
	)	

AFFIDAVIT OF PHILLIP O. CLARK, Ph.D.

I, Phillip O. Clark, state the following under penalty of perjury:

1. I am the vice president of Regulatory and Analytical Services for Newpark Environmental Services, Inc., 4023 Ambassador Caffery Pkwy, Lafayette, LA 70503 ("Newpark"). I have more than fourteen years experience in the treatment and discharge of industrial and oilfield effluents. A summary of my education and experience is attached hereto as Exhibit A.

2. In 1989, Newpark conducted a Phase I site inspection of the Debtor's real property located at 724 Louisiana Highway (Fieldspan Road), in Lafayette Parish, near Duson, Louisiana ("Louisiana Property"). The Report which summarizes the site inspection ("1989 Phase I Report") is attached to the Debtor's Memorandum in Support of Abandonment Motion as Exhibit ___. The 1989 Phase I Report was based on a visual examination of the property and information provided by William L. "Pat" Ready, former branch manager of the Debtor.

12-02

3. Visual inspection of the property disclosed various environmental problems in the following eight areas:

- Casing Inspection Area
- Machine Shop
- Casing Cutter Area
- Front Casing Hydrostatic Testing Area
- Rear Casing Hydrostatic Testing Area
- Tubing Testing Area
- Equipment Maintenance Area
- Fuel Storage Area

4. In the Spring of 1990, Newpark conducted a limited Phase II assessment of the eight areas listed above. The Report which summarizes the limited Phase II assessment ("1990 Phase II Report") is attached to the Debtor's Memorandum in Support of Abandonment Motion as Exhibit ___.

5. To prepare the limited 1990 Phase II Report, Newpark drilled cores of soil from each of the eight areas identified as contaminated in the 1989 Phase I Report. Newpark tested these soil cores and used oil and grease content as an indicator of industrial contamination. The results of the oil and grease content tests are listed in Exhibit ___-1.

6. The portions of the soil cores which disclosed elevated levels of oil and grease contamination were used to create a composite sample for each area. The cores which comprised the composite samples are listed in Exhibit ___-2. Newpark tested each composite sample for various forms of contamination. Although all eight composite samples disclosed some industrial waste contamination, preliminary tests disclosed that only six areas possibly contained lead at an elevated level sufficient to be considered hazardous, as defined by regulations in effect in 1990. In 1990, lead was categorized as hazardous if it existed at leachable levels (pursuant to the Extraction Procedure Toxicity Test) above 5 milligrams per liter ("mg/l"). All other industrial

waste was found to exist at nonhazardous levels. The results of these tests of the composite samples are listed in Exhibit ___-3.

7. To more accurately determine whether the six areas contained lead at a level categorized as hazardous, Newpark drilled additional soil cores for the following areas:

- Casing Inspection Area
- Machine Shop
- Front Casing Testing Area
- Rear Casing Testing Area
- Tubing Cleaning/Testing Area
- Fuel Storage Area

The test results of these additional soil cores are listed in on the top portion of the first page of Exhibit ___-4. According to these tests, the soil under the Machine Shop contained an average lead content of less than 5 mg/l. Therefore, the soil under the Machine Shop was not categorized as hazardous pursuant to regulations applicable in 1990.

8. To identify the exact location of the lead which existed at hazardous levels in the remaining five areas, Newpark conducted further tests on specific cores in the Casing Inspection Area, Front Casing Testing Area, Rear Casing Testing Area, Tubing Cleaning/Testing Area and Fuel Storage Area. The results of these tests are summarized on the bottom of the first page of Exhibit ___-4. These test results indicate that significant portions of the Casing Inspection Area, Front Casing Testing Area and Fuel Storage Area did not contain lead at hazardous levels.

12-04

14. Tests of the Tubing Cleaning/Testing Area are reported in pico Curie per gram ("pCi/gm") measurements.[1] Because the Debtor conducted the majority of its NORM-generating operations here, the Louisiana Department of Environmental Quality directed the Debtor to test soil cores from this area to more accurately determine its NORM content. The 1990 (and current) regulation threshold of NORM in soil is 5 pCi/gm. Figure 3 of the NORM Survey reveals that some portions of the Tubing Cleaning/Testing Area were above the regulated threshold.

15. Based on the 1990 Phase II Report and the 1990 NORM Report, and allowing no more than 10 percent additional contamination from the Debtor's and Cactus Pipe & Supply Co.'s continued operations on the property, Newpark has estimated that as much as 20,000 barrels[2] of soil must be removed from the Louisiana Property to remediate the site for hydrocarbons, leachable lead and NORM.

16. Remediation of the Louisiana Property will cost less if all of the contaminated soil is remediated together. Combining all of the contaminated soil will reduce the amount of NORM to below 30 pCi/gm. If the amount of NORM is below 30 pCi/gm, the soil may be managed at a commercial facility in Louisiana authorized to handle solid waste which is exempt from the Resource Conservation and Recovery Act of 1976 ("RCRA"). 42 U.S.C. §6921(b)(2)(B) and 40 CFR §261.4(b)(5). Management at a facility authorized to handle RCRA-exempt waste will cost at least $7.25 per barrel, excluding excavation, transportation and offloading fees.

---

[1] The current Louisiana Administrative Code, as amended January 20, 1995, uses the pCi/gm measurement of radium-226 and radium-228.

[2] An oilfield barrel holds 42 gallons. There are 4.8 barrels in a standard cubic yard.

17. In contrast, if the soil is remediated piece-meal, the soil which exceeds 30 pCi/gm must be remediated at a facility specifically licensed to handle RCRA-exempt NORM waste. Remediation at this type of facility will cost at least $45.00 per barrel, excluding excavation, transportation and offloading fees. The remediation fee will vary in response to the radioactivity in the contaminated material.

18. If all of the contaminated soil is remediated together and the amount of contamination has not significantly changed since 1990, the actual cost of the remediation should be at least $245,000.00 based on the following calculations:

	COST PER BARREL
Excavation/Loadout of soil	3.00
Transportation to Newpark ICY Facility	1.50
Offloading at Newpark ICY	.50
NORM Surcharge[3]	.75
Disposal Fee	6.50
TOTAL (per barrel)	12.25
Estimated number of barrels to be treated	x 20,000
	$245,000

The figures listed above are only estimates. Actual remediation costs could be significantly higher.

19. In 1990, the lead and NORM contamination did not extend more than one or two feet below topsoil. In 1990, the hydrocarbon contamination did not extend more than 30 inches below topsoil. In the region surrounding the Louisiana Property, ground water is located approximately 20 feet below topsoil. The aquifer which supplies the drinking water in that area is located approximately 100 feet below topsoil.

20. To my knowledge, the Louisiana Property is not subject to a compliance order from the Louisiana Department of Environmental Quality.

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[3] The NORM surcharge applies to all shipments of soil containing NORM above 5 but less than 30 pCi/g.

12-06

Pursuant to 28 U.S.C. § 1746, I declare under penalty of perjury that the foregoing is true and correct. Executed on May 16, 1995.

Phillip O. Clark Ph.D.

Phillip O. Clark, Ph.D.
Affiant

Subscribed and sworn to before me

this 16th day of May, 19 95

Marjorie R. Brooks, Notary Public

recycled paper

12-07

ecology and environment

Exhibit A
to Affidavit of Phillip O. Clark, Ph.D

12-08

PHILLIP OTTO CLARK, Ph.D.

400 Bellevue Plantation Road
Lafayette, Louisiana 70503
(318) 984-5673

SUMMARY

Sixteen years of laboratory experience, including eight years in academic research, eight years in supervising commercial analytical (environmental) laboratory.

Fourteen years of experience in environmental regulatory compliance in the oil and gas industry, including NPDES permit maintenance, management of solid, industrial, hazardous, and oilfield wastes, naturally-occurring radioactive materials (NORM), and oil spill prevention/control.

Fourteen years of experience in treatment and discharge of industrial/oilfield effluents.

EMPLOYMENT EXPERIENCE

NEWPARK ENVIRONMENTAL SERVICES, Lafayette, LA — 1987 - pres.
Vice President, Regulatory and Analytical Services

NEWPARK WASTE TREATMENT SYSTEMS, Lafayette, LA — 1986 - 1987
Manager, Environmental and Regulatory Affairs

Responsible for regulatory compliance for Newpark companies in Louisiana and Texas. Represent all Newpark companies in negotiations with regulatory agencies (state and federal). Company operations include all phases of onsite/offsite management (remediation/treatment, transportation, disposal) of industrial, hazardous, and nonhazardous oilfield wastes, onsite and offsite management of NORM, marine transfer facility and vessel operations, and environmental analysis.

Full management responsibility for analytical laboratory providing sampling and analysis of water, wastewater, groundwater, soil, and waste samples according to EPA-approved methods. Supervise laboratory, regulatory compliance, and waste management staff of 3-8 persons.

Provide regulatory consulting services to clients, in areas of industrial/hazardous/oilfield waste management, water treatment and discharge, UST compliance, spill control, site assessments, etc. Develop, implement, and supervise site remediation/cleanup programs addressing waste management, soil and groundwater contamination, etc.

01/19/95

PLACID OIL COMPANY, Houma, LA 1981 - 1986
Environmental Affairs Specialist

Responsible for company-wide environmental compliance for all exploration and production operations in Louisiana, Texas, Mississippi, Alabama, Arkansas, and offshore (Gulf of Mexico).

Managed all NPDES permits, conducted facility environmental audits, formulated contingency plans and operations manuals as required by EPA, MMS, USCG, and LADEQ regulations.

Evaluated performance of wastewater treatment systems for compliance with discharge permit standards through inspection program, including analysis of effluents.

U. of TEXAS HEALTH SCIENCE CENTER, San Antonio, TX 1978 - 1981
Postdoctoral Research Associate, Dept. of Pathology
NIH Postdoctoral Fellow, Dept. of Medicine

Responsible for specific portions of NIH research grant dealing with isolation and characterization of platelet-activating-factor (PAF), as well as the mechanisms involved in its synthesis and release.

Responsible for designing, supervising, conducting, and evaluating research experiments, utilizing numerous laboratory methods. Supervised laboratory technicians in conducting experiments.

Responsible for reporting findings of research experiments, both orally and as written documents published in technical journals.

OKLAHOMA STATE U., Stillwater, OK 1973 - 1978
Graduate Research Asst., Dept. Biochemistry
Graduate Teaching Asst., Dept. Biochemistry, Chemistry

Responsible for conducting independent research program in fulfillment of requirements for awarding Ph.D. degree. Research involved bacterial genetic transformation.

Responsible for teaching various laboratory classes in both the Dept. of Biochemistry, and Dept. of Chemistry.

U. of SOUTHWESTERN LOUISIANA, Lafayette, LA 1968 - 1969
NMR Spectroscopist, Dept. of Chemistry

Responsible for operation of NMR spectrophotometer in Dept. of Chemistry while studying for undergraduate degree.

01/19/95

12-10

PROFESSIONAL SOCIETIES & ORGANIZATIONS

1971-73 American Chemical Society, Student Affiliate
1977-81 Sigma Xi, Scientific Research Society of N. America
1981-pr American Petroleum Institute, Production Division
1981-86 Midcontinent Oil & Gas Assoc., Environmental Comm.
1981-86 Gulf Coast Environ. Affairs Group (Chairman, 1986)
1983-pr Society of Petroleum Engineers
1993-pr American Association of Drilling Engineers

EDUCATION

1973 B.S., Chemistry: Univ. of Southwestern Louisiana
Lafayette, LA

1978 Ph.D., Biochemistry: Oklahoma State Univ.
Stillwater, Ok

Thesis: Perturbations in the Process of Genetic Transformation of Bacillus subtilis

PROFESSIONAL TRAINING

Handling/Disposal Haz/Toxic Wastes, Tulane U., (1981)
Industrial/Marine Firefighting School, ITSC, (1982)
Offshore Survival School, USL, (1982)
Oil Spill Control School, Texas A&M, (1982)
Fundamentals of Petroleum Production, LOGIC, (1983)
Hazardous Waste Management, Texas A&M, (1987)
Chemistry and Microbiology of Wastewater, USL, (1987)
Activated Sludge Wastewater Treatment, USL, (1987)
Basic Transportation of Haz Materials, GSI, (1987)
Hazardous Waste Management, AIHMM, (1988)
TX Environmental Laws and Regs., GI, (1989)
TX Water Protection Regs., TRC, (1990)
NORM Radiation Surveyor Training, ARS, (1994)
NORM Radiation Safety Officer Training, ARS, (1994)

01/19/95

PUBLICATIONS

Weppner, W. A., Clark, P. O., and Leach, F. R. (1977) Can. J. Micro. 23:1585-93. The Effect of Waring Blendor Treatment on Transformation of Bacillus subtilis.

Clark, P. O., Hull, S. R., and Leach, F. R. (1979) Current Micro. 2:119-21. Stability of Bacillus subtilis DNA in the Environment.

Clark, P. O., Hanahan, D. J., and Pinckard, R. N. (1980) Biochim. Biophys. Acta 628:69-75. Physical and Chemical Properties of Platelet Activating Factor Obtained from Human Neutrophils/Monocytes and Rabbit Neutrophils/Basophils.

Pinckard, R. N., McManus, L. M., Demopolous, C. A., Halonen, M., Clark, P. O., Shaw, J. O., Kniker, W. T., and Hanahan, D. J. (1980) J. Reticulo. Soc. 28:95s-103s. Molecular Pathobiology of Acetyl Glyceryl Ether Phosphorylcholine: Evidence for the Structural and Functional Identity With Platelet Activating Factor.

Wally, R. F., and Clark, P. O. (1987) Proc. EGWI Third Natl. Conf. on Drilling Muds. Treatment of Oil and Gas Wastes in an Environmentally Acceptable Manner.

Clark, P. O. (1989) Proc. Intl. Exhib. & Conf. for Environmental & Safety Concerns of the Energy Industries. VI:713-722. Contractor and Service Company Facility Assessments.

Exhibit

1989 Phase I Report

SITE INSPECTION - ENVIRONMENTAL EVALUATION

A REPORT
PREPARED FOR

CACTUS PIPE AND SUPPLY COMPANY
SOUTH FIELDSPAN ROAD (LA HWY 724)
LAFAYETTE PARISH
DUSON, LOUISIANA

PREPARED BY

NEWPARK ENVIRONMENTAL SERVICES, INC
P. O. BOX 54024
LAFAYETTE, LA 70505

DECEMBER, 1989

12-14

CACTUS PIPE
DUSON, LA

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PURPOSE

This report has been prepared at the request of CACTUS PIPE & SUPPLY COMPANY (Cactus), to provide information relating to the environmental status of the Cactus site located on LA Hwy 724, in Duson, LA. It is the intent of this report to: 1) identify those liabilities associated with this site relative to potential environmental impairment or site remediation activities, 2) provide recommendations for sample collection from identified areas of concern, so as to fully quantify the extent of potential contamination in these areas, and 3) provide Cactus with an evaluation of the site's compliance status with existing federal and state regulatory programs concerning environmental protection and waste management.

This report was compiled from information gathered onsite on Monday, November 20, 1989. Newpark's inspection activities were restricted at that time to a visual examination of the property, and to identification of potential areas of concern. Additional information concerning the specific history of the site, as well as the nature of operations currently conducted there, was provided onsite by Pat Ready.

The visual inspection conducted on November 20, 1989 was intended only to identify specific areas of environmental liability. No effort was made to further delineate or quantify these areas through the collection and analysis of appropriate soil, water, groundwater or waste samples.

SITE DESCRIPTION

As indicated in Figure 1, the Cactus site is located on the east side of LA Highway 724 (South Fieldspan Rd.), in Lafayette Parish, Louisiana, Range 3E, Township 9S, Section 35.

Figure 2 illustrates the major structural features of the site, consisting of a number of buildings and work areas (some covered) surrounded by storage areas for tubular goods. The rear third of the property consists of pipe storage areas which have been unused for some time, and are heavily overgrown. The site is bounded on the north and east by farmland, on the south by another oilfield service facility, and on the west by Hwy 724.

Approximate dimensions of the property are provided in Figure 3.

LAND UTILIZATION

Figure 2 illustrates the current status of the Cactus site, and lists the major activities that are conducted there. These activities include storage and servicing of all types of oilfield tubular goods (casing, drill pipe, and production tubing).

Servicing operations include pipe cleaning, pipe testing, pipe inspection, and machining of tool joints. The site has provided storage for both new and used tubulars, however, storage services for used pipe are currently being phased-out. In addition to Figure 2, Figures 4-8 provide detailed descriptions of specific service areas at the site, and indicate where service operations have created areas of environmental concern. These areas are further detailed in Photographic Plates 1-10 attached to this report.

A washrack area is located in the large building near the southwest corner of the property. This building contains site offices and warehouse (maintenance shop) areas, as shown in Figure 4. The steam cleaner/washrack was formerly used when wellhead equipment servicing operations were conducted in this area, but is not used at this time. Two sumps in the washrack area discharge washwater to the south side of the building, where it either soaks into the soil or enters the stormwater runoff from the site. The inactive sumps are filled with residual sediments from former equipment washing operations.

Figure 4, and Plates 1 and 2 also illustrate the location of two (2) underground sanitary waste treatment units, that discharge treated effluent to the stormwater ditch adjacent to Hwy 724 at the front of the property. The construction and condition of these units have not been determined at this time.

Also indicated in Figure 4, and Plate 3, is the location of the above-ground motor fuel storage area, consisting of four (4) welded steel horizontal cylindrical tanks. Tank capacities and exterior markings are provided in Figure 4, however, Pat Ready advised Newpark personnel on November 20, that only diesel fuel is stored in this area. Pat Ready also indicated that there are no underground storage tanks at this site. Visual examination of the property by Newpark personnel did not discover any surface evidence of underground tanks (vents, fill lines, pumps, etc).

Figure 7 indicates the location of an additional storage tank near the northwest corner of the property. This skid-mounted tank is larger than any single tank (>1000 gal) located in the fuel storage area.

STORMWATER RUNOFF

Figures 2,3 and 5 illustrate the flow pattern for runoff of surface water/stormwater from the Cactus site. All stormwater runoff is directed toward the large open ditch that crosses the property approximately 750 ft. from the front fence. This ditch runs north-south through the site, parallel to the cross road just to the rear (east) of the casing inspection shed (Figures 2 and 5). The north-south ditch connects to another drainage ditch running parallel to the north boundary of the site.

All runoff from the front two-thirds of the site is routed to this north-south drainage ditch through smaller ditches that run parallel to the east-west service roads at the site. Stormwater accumulations pass under the north-south service road and into the drainage ditch through three buried steel culverts shown in Figures 2 and 5. Stormwater falling on the front portion of the facility is not segregated from work areas, and becomes contaminated from contact with wastes, spills and/or contaminated soil in these areas.

Since the rear one-third of the site has been used only for pipe storage, stormwater falling in this area does not have the potential for becoming contaminated as does the stormwater falling on the front portion of the site.

SITE ENVIRONMENTAL STATUS

A. WATER DISCHARGES

Federal and state regulatory programs governing the discharge of pollutants require that all such discharges be properly permitted. The federal program, administered by the US EPA, requires permits for all discharges into "waters of the United States," which are defined to be surface waters only. The state program in Louisiana is administered by the Department of Environmental Quality (DEQ), and requires permits for all discharges into "waters of the state," which are defined to be both surface waters and ground waters. Since the LA DEQ permit program has not been approved by the US EPA, all dischargers in Louisiana must operate under federal and state permits for their facilities.

Newpark has identified four separate categories of effluents at the Cactus site subject to the US EPA and LA DEQ permit programs (none of which are currently permitted). These discharges are listed separately below:

1. Sanitary Waste Effluent

There are two buried sanitary waste treatment units at this site, one for the office building, and one for the crew locker room. The locations of these units are provided in Figure 4, and Plates 1 and 2. The types of units employed has not been determined at this time (septic tank, mechanical unit, etc.), however the units discharge to the stormwater ditch adjacent to Hwy 724, and are subject to discharge permitting. Additionally, the units themselves are subject to approval by the LA Dept. of Health.

2. Washrack Sump Effluent

The discharge of contaminated washwater from the washrack sumps in the warehouse is indicated in Figure 4. The outfalls from the two sumps are located on the south side of the warehouse building. Washwater discharges from the wash rack are subject to permitting as point sources since the discharged water either soaks into the ground and becomes (potentially) commingled with groundwater, or runs eastward on the surface and is discharged into the stormwater drainage ditch crossing the property.

Permitting would be required for these outfalls even though they have been inactive for some period of time.

SITE ENVIRONMENTAL STATUS (continued)

3. Hydrostatic Test Water

Hydrostatic testing operations generate contaminated test water that is subject to wastewater permitting when discharged to waters of the state. Figures 7 and 8, and Plates 8 and 9 illustrate those three areas at the site where hydrostatic test water is generated. Even though sumps are present at each of these locations to collect and recycle test water, the water is still discharged under the following conditions (among others): a) when test water that flows back after uncoupling pressure hose from tubular spills onto the ground instead of into the sump, b) when test water becomes too contaminated for use, and is discarded through discharge, c) when stormwater running into the test water sump causes discharge through overflows.

Once discharged, contaminated hydrostatic test water either soaks into the ground or commingles with stormwater at the surface. Test water that soaks into the ground results in contamination of the soil itself, or in contamination of groundwater.

4. Stormwater

Stormwater that falls onto industrial or commercial facilities is subject to discharge permitting when the water is collected in any type of conveyance system to route the water into a surface drainage system. As discussed previously in this report, stormwater falling on the Cactus site is collected and routed into the drainage ditch that runs through the site. The water is not segregated, and becomes contaminated from contact with contaminated soil at any of the numerous areas of the site where spills have occurred. Areas of soil contamination at the site are indicated in Figures 4 - 8, and Plates 3 - 10. Specific operations that contribute to the contamination of soil and stormwater at the Cactus site are discussed later in this report.

Exchange of contaminants from soil to stormwater only expands the problem of soil contamination through the transfer of pollutants by the water from one area of the facility to another during runoff events.

SITE ENVIRONMENTAL STATUS (continued)

B. SOIL CONTAMINATION

Numerous individual operations at the Cactus site have contributed to the contamination of soil, through spills of fuels and lubricants, discharge of contaminated wastewaters, equipment and vehicle maintenance, and placement of contaminated waste materials onto the soil, among others.

Federal and state regulatory programs concerning the management of waste materials define the placement of any material onto the soil or into surface water in a manner not normally intended for the use of that material to be equivalent to discarding that material. Any discarded material then becomes a "solid waste" subject to regulation under these programs.

The accidental spill of a product onto the ground, under regulatory definitions, creates a solid waste consisting of the spilled material itself plus any soil that has become contaminated. It is not necessary to report the spill event unless the material reaches surface waters, or the volume spilled exceeds a minmum reportable quantity for that product. For any oil or petroleum product, a reportable quantity is any amount that causes a "sheen, film, or discoloration on surface waters," which for oil, is as little as one drop.

Similarly, the discarding or release of waste materials onto/into soil or water is prohibited under these regulatory programs. The discharge of wastewater in this manner is also considered discarding a solid waste unless that discharge is specifically permitted under the wastewater permit program discussed previously in this report.

Newpark has identified the following areas of soil contamination at the Cactus site. All of these areas are considered to be solid wastes subject to regulation under these programs.

1. Casing Inspection Area

The spillage of petroleum lubricants in this part of the site has created an area of soil contamination that covers all of the ground under the inspection building, and extending outward, as shown in Figure 5, and Plate 4. Pools of liquid lubricants are visible in Plate 4, on the ground under the inspection area. This area of contamination lies adjacent to one of the stormwater culverts that route runoff from the site to the drainage ditch that crosses the facility.

SITE ENVIRONMENTAL STATUS (continued)

2. Machine Shop

Figure 6 and Plate 5 illustrate the contamination of soil in this area. Soil contamination covers the entire machine shop area, and has been carried by stormwater runoff into the storage area to the rear (east) of the machine shop. Soil contamination has resulted from: a) spills of cutting oils from threading operations in the machine shop, b) leakage and/or spills of various oils during transfer operations at the drum rack located just outside the machine shop (Figure 6, Plate 6), and c) placement of contaminated metal shavings onto the ground around the machine shop. Arco Ordinance Oil, and Mobil Mobilmet 5122 were specifically identified in the drum rack area.

3. Casing Cutter

Figure 6 and Plate 7 illustrate the extent of soil contamination in this part of the site. Soils in this area have become contaminated with cutting oils leaking from the cutting area, and from rainfall that washes residual oils from the casing sections that are stacked next to the cutter.

4. Hydrostatic Testing Areas

There are three areas of this site in which hydrostatic testing operations are conducted. Two test areas are for casing (Figure 7, Plate 8), and one for tubing (Figure 8, Plate 9). All three areas suffer from the same sources of soil contamination, some of which were discussed previously in this report. The primary source of contamination stems from the release of contaminated test water to the soil. This water acquires oils and thread lubricants (pipe dope) during testing, then transfers these contaminants to the soil when discharged. In some cases, lubricants are directly spilled onto the soil, as are products intended to coat tubulars for rust control (Protecto Coat). In all three areas rainfall has exacerbated the problem through surface runoff.

5. Equipment Maintenance Area

Spills of lubricants and/or motor oils during maintenance and repair of equipment and vehicles has created an area of soil contamination to the east of the tubing cleaning shed, as indicated in Figure 8, and Plate 10. Spills and leaks from the drums stored in this are have also contributed to the problem.

SITE ENVIRONMENTAL STATUS (continued)

6. Casing Cleaning Area

The casing cleaner is located to the south of the office/warehouse building, as shown in Figure 2. Soil contamination in this area consists primarily of rust removed from casing during cleaning. A small volume of rust has accumulated on the ground around the cleaner, and is considered to be a solid waste regulated under federal and state regulatory programs.

7. Oil Storage Areas

Four oil storage areas were identified at the Cactus site, and all but one were found to be sources of ground contamination. The drum rack at the machine shop (Plate 6) was discussed earlier in this report, as was the drum storage in the area where equipment maintenance operations are conducted (Plate 10).

Spills and leaks at the motor fuel storage area (Figure 4, Plate 3) have contributed to soil contamination there. There are four steel storage tanks in this area with a total storage capacity of approximately 3600 gallons.

The fourth storage area consists of a single skid-mounted cylindrical steel storage tank near the nortwest corner of the site (Figure 7). There was no evidence of any soil contamination near this tank (based upon visual examination). The contents of this tank were not determined.

8. Waste Piles

The placement of waste materials directly on the ground has created a number of areas of soil contamination at the Cactus site. Some of the larger areas of contamination are identified in Figures 5-8.

The single largest source of soil contamination resulting from contact with wastes is from the placement of oily metal cuttings around the site. Cuttings generated in the machine shop area have contributed to soil contamination there, and at other areas of the site where they were placed as fill material.

Empty dope buckets, empty oil cans and drums, and used oil filters have been discarded improperly througout the site. These items were either placed directly onto the ground or placed into open waste containers where rainfall could come into contact with them and wash out contaminants into the soil.

SITE ENVIRONMENTAL STATUS (continued)

C. ABOVE-GROUND OIL STORAGE AREAS

In addition to the problems of soil contamination in these areas, certain above-ground storage areas are subject to specific federal and state regulations concerning spill protection at these sites. The federal and state Oil Spill Prevention, Control, and Countermeasure (SPCC) regulations require that all above ground storage areas with storage capacities exceeding 660 gallons for any single tank, or 1320 total gallons for the facility must comply with these guidelines.

The motor fuel storage area (Figure 4, Plate 3) and the single skid-mounted tank (Figure 7) at the northwest corner of the site are regulated under these programs. Drum storage areas are not regulated unless 24 or more drums are stored in a given area. Specific requirements include adequate secondary containment around the tanks, rainfall collection and treatment before discharge, regular detailed inspections of the storage area, recordkeeping to document compliance, and development of a written SPCC plan.

Both regulated storage areas do not comply with minimum program standards at this time. Secondary containment is not sufficient to contain spills at the fuel storage area, while the skid-mounted tank has no containment at all. Control of rainfall within the secondary containment area is not adequate, since the containment wall has several cracks/gaps, etc., and there is no way to contain or treat the water prior to discharge. No SPCC plan exists, and no inspection or stormwater discharge records are available.

D. SOLID/INDUSTRIAL/HAZARDOUS WASTE MANAGEMENT

All waste streams generated at the Cactus site are regulated under federal and state regulatory programs for solid, industrial, or hazardous wastes. As discussed previously, the discharge of materials onto the ground results in the creation of solid wastes. Waste paper, trash, and noncontaminated, inert waste materials are generally regulated as solid wastes, while wastes resulting from process streams or facility operations at industrial sites are regulated as industrial wastes, unless they possess qualities that cause them to be regulated as hazardous. Wastewaters generated onsite, unless specifically permitted for discharge, are also regulated under these waste management programs.

SITE ENVIRONMENTAL STATUS (continued)

Once site cleanup has been completed, and all sources of soil contamination eliminated, only those wastes generated from ongoing operations would continue to be regulated under these waste management programs. Such items as empty drums, oil cans, dope buckets, waste oil, paint wastes, oil filters, metal shavings, sump sludges, and wastewaters would continue to be regulated when generated onsite. Of these, waste oil, paint wastes, wastewaters and sludges have the highest potential for management as hazardous wastes. Contaminated soil that is removed during cleanup operations may also be regulated as hazardous depending upon the nature of the contamination. Such waste materials as flammable liquids, acids and caustics, and wastes contaminated with toxic metals are, among others, regulated as hazardous wastes.

E. NATURALLY OCCURRING RADIOACTIVE MATERIALS (NORM)

The LA DEQ recently promulgated regulations concerning the presence of NORM in oilfield wastes, primarily production scales removed from cleaning or repair of used tubulars and equipment. The regulations also address NORM-contaminated soil at sites where these operations are conducted. Since Cactus has conducted these operations in the past, the potential for NORM contamination in soils around those portions of the facility where cleaning of used tubulars was conducted is significant. Two such potentially-contaminated areas have been identified: the tubing cleaning/testing/inspection area (Figure 8), and the casing cleaning area (Figure 2). Since NORM contamination is primarily a production-related problem, the tubing cleaning area has a much higher protential for NORM than does the casing cleaning area.

ENVIRONMENTAL DISCUSSION/RECOMMENDATION (continued)

3. Hydrostatic Test Water

The selection of the most appropriate management option for hydrostatic test water disposal is a complicated issue influenced by numerous economic, operational, and environmental factors. Because of Newpark's limited interaction with Cactus' operations, it is not possible to recommend an appropriate course of action at this time, however, the following considerations are important to reaching a final decision:

a) Hydrostatic test water is contaminated with organics, solids, and toxic metals, which, prior to discharge, require extensive treatment to meet permit standards.
b) Because the water is recycled, the levels of contaminants continually increase, making treatment much more difficult and expensive.
c) Cactus currently has no system capable of treating test water to permit standards. Installation of a treatment system could be relatively expensive, and require continued maintenance to maintain discharge compliance.
d) The existing containment systems for test water are not adequate to provide for full retention of all water generated. Extensive improvements to the test water collection and retention systems would be necessary to prevent discharge of untreated water, resulting in further soil contamination. The retention system should be designed not only to keep contaminated test water in, but noncontaminated rainwater out. This may require that the entire system be covered and curbed to keep out rainfall and runoff.
e) Application to the EPA and DEQ for a discharge permit should not be completed until a system capable of meeting discharge standards is in place.
f) Even if full collection and recycling of test water is achieved, with no discharge, and management of waste test water under industrial or hazardous waste programs, the containment systems for the three points of generation would still require extensive modification to prevent accidental discharges and soil contamination.
g) If treatment and discharge is desirable, it would be possible to commingle the three sources of test water for treatment in a single system.
h) Sludges generated in the test water treatment system must be managed under industrial or hazardous waste guidelines.

ENVIRONMENTAL DISCUSSION/RECOMMENDATION (continued)

i) The rate at which waste test water is generated is very important. If this volume is fairly small, and storage is possible, then management for offsite disposal may be more cost effective than treatment for discharge.
j) The below-ground collection sumps for hydrostatic test water, unless part of an approved (permitted) wastewater treatment system, become potentially subject to regulation as underground storage tanks.

Newpark recommends that before reaching a final decision on management of waste test water, that Cactus take steps to determine the level of contamination in the water, and its suitability for treatment. Sumps should be cleaned of all accumulated sludges, and samples of water collected for appropriate laboratory analysis. Sludges removed from the sumps must be managed under the industrial or hazardous waste management programs.

4. Stormwater

LA DEQ regulations require discharge permitting for sources of contaminated stormwater, as discussed previously. Because of the significant level of soil contamination present at the Cactus site, cleanup of these areas, followed by corrective actions to prevent re-contamination of the soil must be completed before stormwater quality can be accurately determined. Once cleanup has been completed, and steps taken to prevent contact between stormwater and sources of contamination at the site, then appropriate steps for stormwater discharge permitting may be initiated. Any stormwater that falls within areas of potential contamination must be treated prior to discharge similarly to waste hydrostatic test water. Newpark recommends that Cactus consider the following options for stormwater management:

a) Take all practicable steps to minimize contamination of stormwater by cleanup of contaminated soil, and construction of appropriate containment and diversion structures to prevent contact between contaminanted work areas and stormwater.
b) Containment areas constructed around contaminant sources (work areas) may be covered to prevent introduction of stormwater.
c) Alternatively, stormwater falling inside containment areas may be routed to the treatment system contemplated for waste hydrostatic test water, or the stormwater may first be used as makeup water for the hydrostatic test units, instead of fresh water.

ENVIRONMENTAL DISCUSSION/RECOMMENDATION (continued)

Once soil contamination has been removed from the site, and containment structures built around work areas, Cactus should collect samples of segregated stormwater to demonstrate that it is not contaminated. This would eliminate the monitoring requirements that discharge permits place on contaminated stormwater. Newpark further recommends that sediments in the stormwater drainage ditches on the property be collected for analysis to identify the extent of contaminant spreading by stormwater runoff in the past.

B. SOIL CONTAMINATION

Newpark recommends that Cactus initiate a timely remedial action program directed toward the cleanup of all soil contamination at the Duson facility. The first step of such a program would be to collect samples of contaminated soil for laboratory analysis. The sampling program should be designed to provide for proper identification and quantification of contaminated areas, so that these can be removed for proper treatment or disposal. The sampling program should indicate both the lateral and vertical extent of contamination of each area identified in this report, based upon specific analytical procedures, rather than visual criteria, as well as providing evidence whether the contaminated areas should be managed as industrial or hazardous wastes. Monitoring should provide satsifactory estimates of volumes of contaminated soils, so that cleanup, transportion, and offsite disposal (if indicated) can be economically completed.

Offsite disposal of contaminated soils is not the only management option. Onsite treatment methods may also be evaluated for suitability in reducing contaminant levels in the soil. Soil incineration or treatment by biological techniques, among others, may be appplicable if organics are the only contaminants identified. The presence of toxic metals in the soil, however, would restrict the utility of these methods, since metals would not be reduced or destroyed.

Sampling should include not only soil, but samples of groundwater below the site as well, if soil testing indicates that contaminants have migrated to the water table. Given the age of the facility, and the demonstrated mobility of pollutants in the soil, monitoring of groundwater below the site would provide further indication as to the extent of subsurface contamination at the site.

ENVIRONMENTAL DISCUSSION/RECOMMENDATION (continued)

Once cleanup efforts have been completed, construction of containment areas at the site will be necessary not only to prevent release of pollutants, and re-contamination of the soil, but to prevent the encroachment of stormwater into contaminated work areas, and the spreading of pollutants through stormwater runoff. Containment areas should be designed to either totally eliminate stormwater intrusion, or provide adequate treatment for water that does enter the area. This applies to all containment areas needed at the site, including: casing inspection area, machine shop, casing cutting area, hydrostatic test areas, above ground storage areas, and equipment maintenance areas.

C. ABOVE-GROUND STORAGE AREAS

Newpark recommends that Cactus initiate steps to achieve compliance with SPCC regulations for the two oil storage facilities identified in this report as subject to this regulatory program. Of primary concern should be the secondary containment structure for these areas. The containment at the fuel storage area is not satisfactory. It should be rebuilt and enlarged to contain the volume of the single largest tank in the area, plus sufficient freeboard to allow for rainfall, unless the area is covered. The skid-mounted tank has no containment at all. Cactus should consider eliminating this tank, replacing it with a smaller, non-regulated tank (<660 gallons) or transferring it to the fuel storage area, and constructing a single new containment system for all above-ground tanks.

Cactus should prepare and implement a written SPCC plan for the oil storage facility. This plan must be kept on file at the facility, and reviewed and updated every three years. The plan must provide for regular formal inspections, and for management of stormwater falling within the containment area. If the containment area is kept clean, SPCC regulations allow for the direct discharge of noncontaminated stormwater, so long as each discharge event is controlled and recorded. Records of facility inspections must also be kept onsite.

Direct discharge of noncontaminated stormwater must be controlled through a lockable/sealable mechanism (valve). The valve must be closed and sealed during non-discharge periods. At each discharge event the seal must be broken, the valve opened, and the water discharged. Upon completion of discharge, the valve must be closed and resealed.

Above ground storage of flammable and combustible liquids must also meet siting and construction standards of the Louisiana State Fire Code.

ENVIRONMENTAL DISCUSSION/RECOMMENDATION (continued)

D. SOLID/INDUSTRIAL/HAZARDOUS WASTE MANAGEMENT

Contaminated soil at the Cactus site represents currently the largest volume of waste materials requiring proper management. As discussed previously, Newpark recommends that these areas be sampled for laboratory analysis to determine their regulatory status. Since the contaminated soils are considered solid wastes, hazardous waste determinations are required under LA DEQ guidelines. To fulfill this requirement the DEQ generally requires that each contaminated area be sampled individually under a "worst case" scenario. Grab samples are collected within each contaminated area, at points that appear to be the most contaminated, and are combined into a single composite sample representing that area. Analysis of this "worst case" sample then serves as the basis of the hazardous waste determination.

Those areas that are found to exceed hazardous waste thresholds must be managed separately from those that are not. The DEQ does not allow commingling of nonhazardous and hazardous wastes to reduce the level of contamination in the hazardous waste. Under DEQ guidelines, mixtures of hazardous and nonhazardous wastes must be managed as hazardous.

Once waste determinations have been completed, further sampling is necessary to determine the extent of contamination in each area. Soil cores are collected throughout the contaminated area, then analyzed, with DEQ approval, for specific indicator contaminants to determine the boundary of contamination. These boundaries are established by comparing contaminant levels either to hazardous waste thresholds, or to levels in noncontaminated soil at the site.

Since the primary soil contamination at the Cactus site consists of petroleum products spilled onto the soil, Newpark suggests that oil & grease contents be used to monitor the extent of soil contamination in each area, unless a particular area has been analytically determined to be hazardous. In that case the indicator contaminant(s) would be those specifically exceeding hazardous thresholds. Given the nature of the contaminated material, Newpark expects that toxic metal content might be the only contaminant that may render a given soil area hazardous.

Newpark also recommends that once the full depth of soil contamination has been determined, that this depth be compared to the depth of the water table below the site. If soil contamination approaches depths near groundwater levels, samples of groundwater should be collected and analyzed to determine whether contamination has occurred.

ENVIRONMENTAL DISCUSSION/RECOMMENDATION (continued)

Upon completion of the monitoring phase, a corrective action plan can be developed to achieve final cleanup of contaminated soil at the Cactus site. Cleanup of active work areas should be coordinated with construction of containment structures to prevent the re-contamination of the clean soil that is used to fill in excavated areas.

Once site cleanup is completed, ongoing waste streams must be continually managed under the appropriate waste programs. Such wastes as used oil, empty containers (oil cans, drums, dope buckets, etc.), used oil filters, paint wastes, and wastewater treatment sludges would be included in these programs. As with soil contamination, these ongoing waste streams must also be sampled and analyzed for hazardous waste determinations. Wastes are generally sampled individually, then similar wastes combined (composited) prior to analysis. Used oil, paint wastes, and wastewater treatment sludges are commonly found to be characteristically hazardous, and must be segregated and accumulated onsite in compliance with LA DEQ hazardous waste regulations.

Current waste accumulation practices at the Cactus site do not meet DEQ requirements for industrial or hazardous wastes. Open-topped drums used to collect wastes allow rainfall to contact wastes and mobilize pollutants. Empty dope buckets, oil cans, filters, and drums fill with rainfall and overflow contents onto the soil. Newpark recommends that Cactus clean up all accumulations of waste currently onsite, and take steps to provide for secure collection of wastes as they are generated.

E. NATURALLY OCCURRING RADIOACTIVE MATERIALS (NORM)

LA DEQ regulations effective on September 20, 1989 require that any person that mines, extracts, receives, possesses, owns, uses, or processes NORM must register with the DEQ by March 20, 1990, and apply for coverage under the NORM general license. Any oilfield equipment (heater treaters, separators, tubulars, etc.) and any oilfield waste (pipe scales removed from equipment, pit sludges, etc.) that contain levels of radiation exceeding 50 micro Roentgens per hour (50 μR/hr) are regulated as NORM.

Surveys must be conducted, using DEQ-approved radiation detection instruments, to complete a proper NORM determination. Surveys may be completed either onsite, or by the collection of samples for delivery to a capable testing laboratory. In some cases delivery of samples to offsite laboratories is not practical.

ENVIRONMENTAL DISCUSSION/RECOMMENDATION (continued)

Once the survey has been completed, notification must be submitted to the DEQ providing the location of the NORM site, name of the site owner, name of responsible person, mailing address, and phone number.

Evaluation of soils at NORM sites is not required until the site is to be released for unrestricted use. At that time soil samples must be analyzed to determine the extent of NORM contamination from spills, leaks, etc. Soils containing in excess of 5pCi/g of Ra-226 (over background soil) in the top 15 cm of soil depth, or 15 pCi/g over backgound in 15 cm horizons greater than 15 cm in depth, may not be released for unrestricted use. Newpark has identified the following areas of the Cactus site for inclusion in the NORM survey discussed above:

1. Tubing Cleaning Area

Identify and perform NORM survey on any accumulations of pipe scale in this area. Since cleaning of used production tubing occurred in this area, there is a significant potential for the presence of NORM contamination on equipment and in the soil in this area.

2. Casing Cleaning Area

Since NORM contamination is primarily a production-related problem, this area is not expected to be NORM contaminated. Newpark recommends, however, that this area be included in the NORM survey since used casing has been cleaned there, and monitoring would confirm the absence of NORM.

3. Pipe Storage Areas

Storage areas for used tubulars should also be included in the NORM survey, to confirm that NORM-contaminated pipe scales did not fall onto the soil in these areas.

Should NORM be discovered at the Cactus site the material should be collected in secure containers (drums) and transferred to a secure storage location onsite. Newpark suggests that the storage sheds located toward the rear of the site be converted to storage of any NORM materials discovered. This applies to pipe scales or NORM-contaminated soil. Should NORM be detected in tubular goods, these should be transferred to a designated storage location somewhere on the site. All onsite NORM storage locations should be identified by signs and personnel access to these areas restricted.

ENVIRONMENTAL STATUS -SUMMARY

A. WATER DISCHARGES

1. clean all wastewater treatment systems (sanitary wastes, warehouse washrack sumps, hydrostatic test sumps) to achieve maximum performance prior to collecting water samples

2. retain sludges removed from systems for proper waste management (sanitary to POTW, others as industrial or hazardous)

3. collect effluent samples from each outfall to provide for analysis of water samples
   a. LA DEQ hazardous waste characterization and/or
   b. LA DEQ water discharge permit analysis

4. evaluate existing outfalls for future management
   a. discontinue discharge - containerize and manage as solid or hazardous wastes
   b. combine/reduce/continue discharge - submit application for LWDPS discharge permit; consider elimination of washrack sump system and hydrostatic test water effluent, or combine with contaminated stormwater for treatment
   c. install additional treatment capability for outfalls not meeting permit discharge standards

5. stormwater management
   a. segregate stormwater from contamination where possible
   b. provide for treatment of contaminated stormwater
   c. sample and analyze sediments in drainage ditches to determine level of contamination by runoff

B. SOIL CONTAMINATION

1. conduct monitoring of contamination sites
   a. soil samples
   b. groundwater samples (if indicated)

2. construct containment structures around work areas to:
   a. prevent re-contamination of soil
   b. segregate stormwater from contact with process areas
   c. contain wastewaters, spills, etc, for cleanup and treatment

3. develop cleanup program to remove contaminated areas, and manage contaminated soil in compliance with state and federal waste regulation programs

C. ABOVE-GROUND STORAGE AREAS

1. cleanup soil contamination at fuel storage area

2. rebuild containment areas around above-ground tanks
   a. fuel storage area
   b. skid mounted tank (de-regulate or move to fuel storage area for secondary containment)

3. develop SPCC plan for above-ground storage areas

4. cleanup soil contamination around drum racks

5. install covered drum racks with drip pans to exclude stormwater and contain spills, leaks

D. SOLID/INDUSTRIAL/HAZARDOUS WASTE MANAGEMENT

1. perform hazardous waste determinations on all waste materials currently onsite (including contaminated soils)

2. cleanup all accumulated wastes in compliance with waste management regulations

3. provide for secure waste accumulation areas to comply with standards for waste generators, and to prevent further soil, surface water, and groundwater contamination

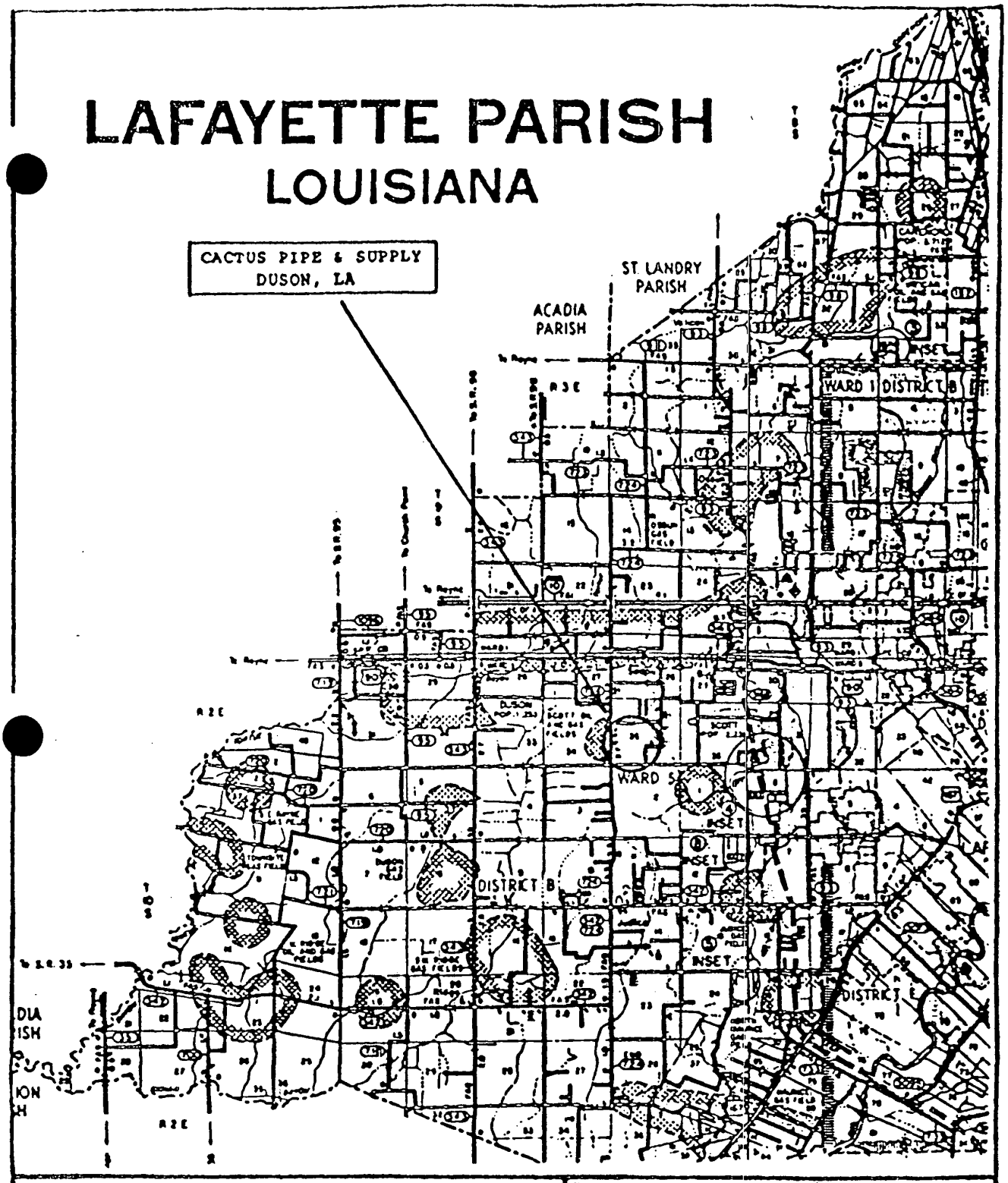
E. NATURALLY OCCURRING RADIOACTIVE MATERIALS

1. conduct NORM survey of site, notify LA DEQ prior to March 20, 1990 if NORM identified at site

2. focus on potential NORM areas
   a. tubing cleaning area
   b. casing cleaning area
   c. storage areas for used tubular goods

3. survey should include waste piles (pipe scale), cleaning equipment, used tubular goods, and soil below these areas

4. containerize any NORM found onsite, transfer to a secure storage location for future management



NEWPARK ENVIRONMENTAL SERVICES INC.

Title: CACTUS PIPE & SUPPLY DUSON, LA SITE LOCATION		
Scale: n/a	Drawn by: n/a	Approved by:
Date: 12/18/89	Drawing No. Figure 1	Rev. No.

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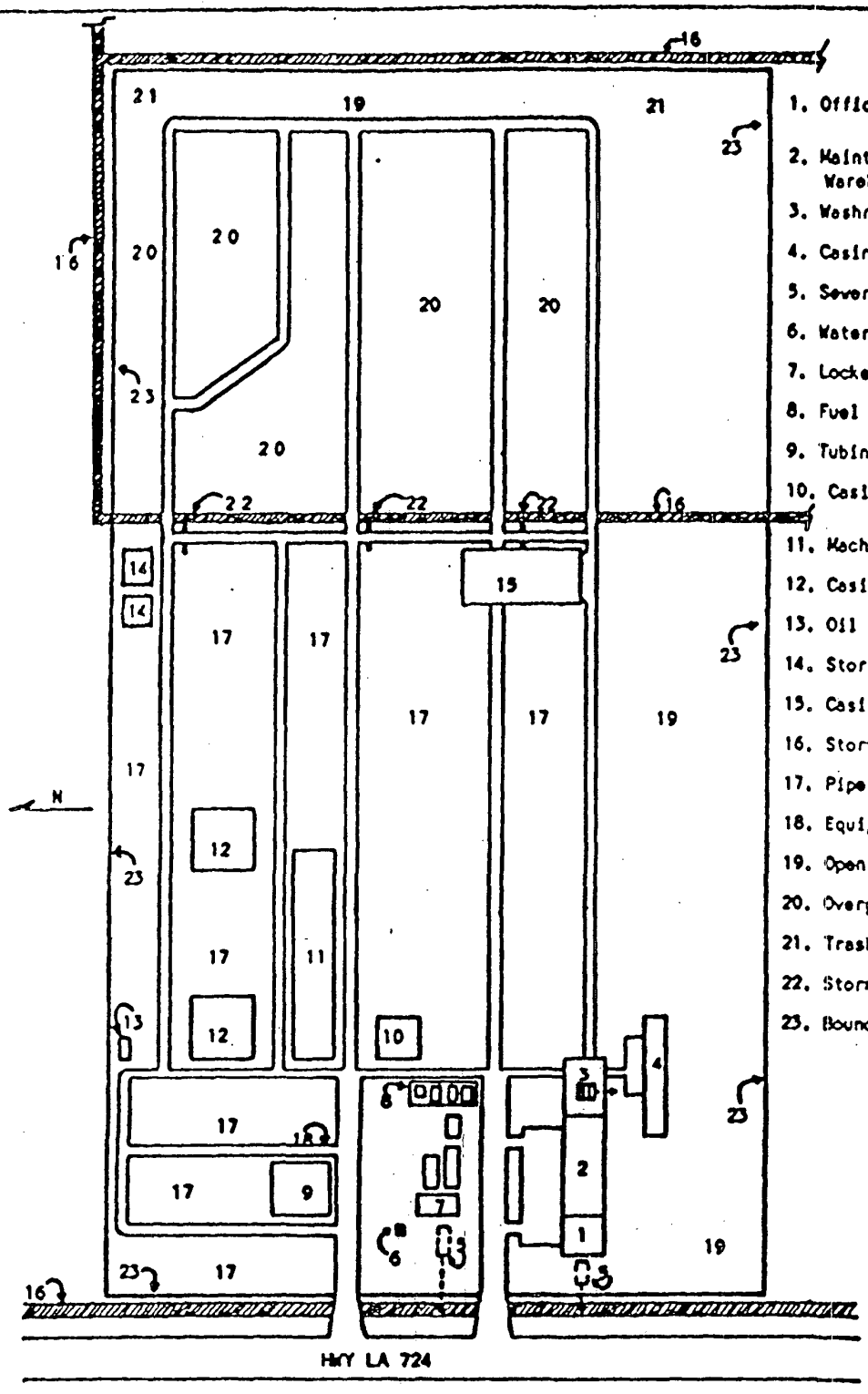
12-86



1. Office
2. Maintenance Shop/ Warehouse
3. Washrack
4. Casing Cleaner
5. Severage Unit
6. Water Well
7. Locker Room
8. Fuel Storage Area
9. Tubing Cleaning/Inspection
10. Casing Cutter
11. Machine Shop
12. Casing Hydrostatic Testing
13. Oil Storage Tank
14. Storage Shed
15. Casing Inspection
16. Stormwater Drainage
17. Pipe Storage
18. Equipment Maintenance
19. Open Areas
20. Overgrown Storage
21. Trash
22. Stormwater Discharge Lines
23. Boundary Fence

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: CACTUS PIPE & SUPPLY SITE UTILIZATION		
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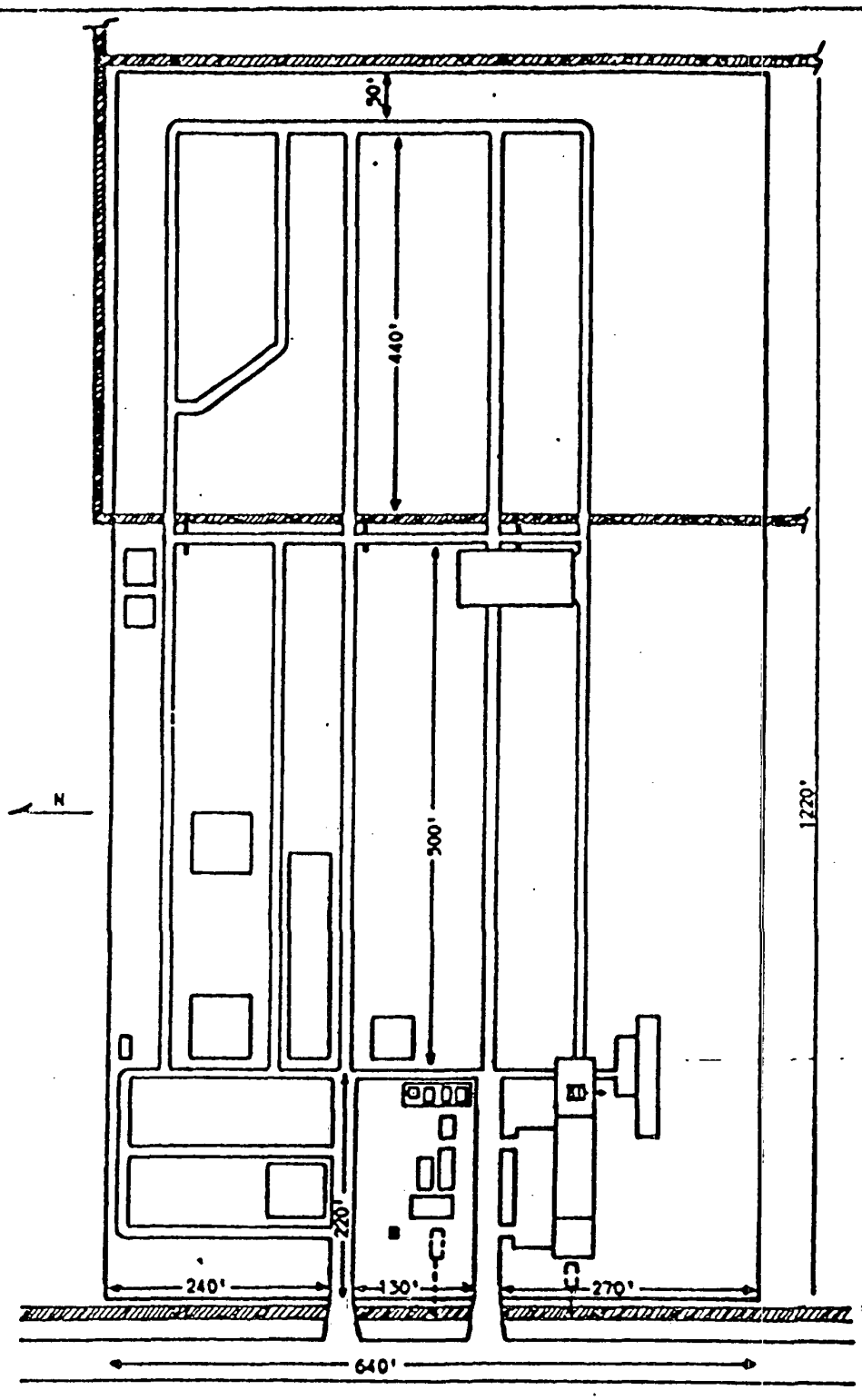
Date: 11-21-89	Drawing No. Figure 2	Rev. No.

12-89



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INC.

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Title: CACTUS PIPE & SUPPLY SITE DIMENSIONS (APPROXIMATE)		
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Date: 11-21-89	Drawing No. Figure 3	Rev. No.

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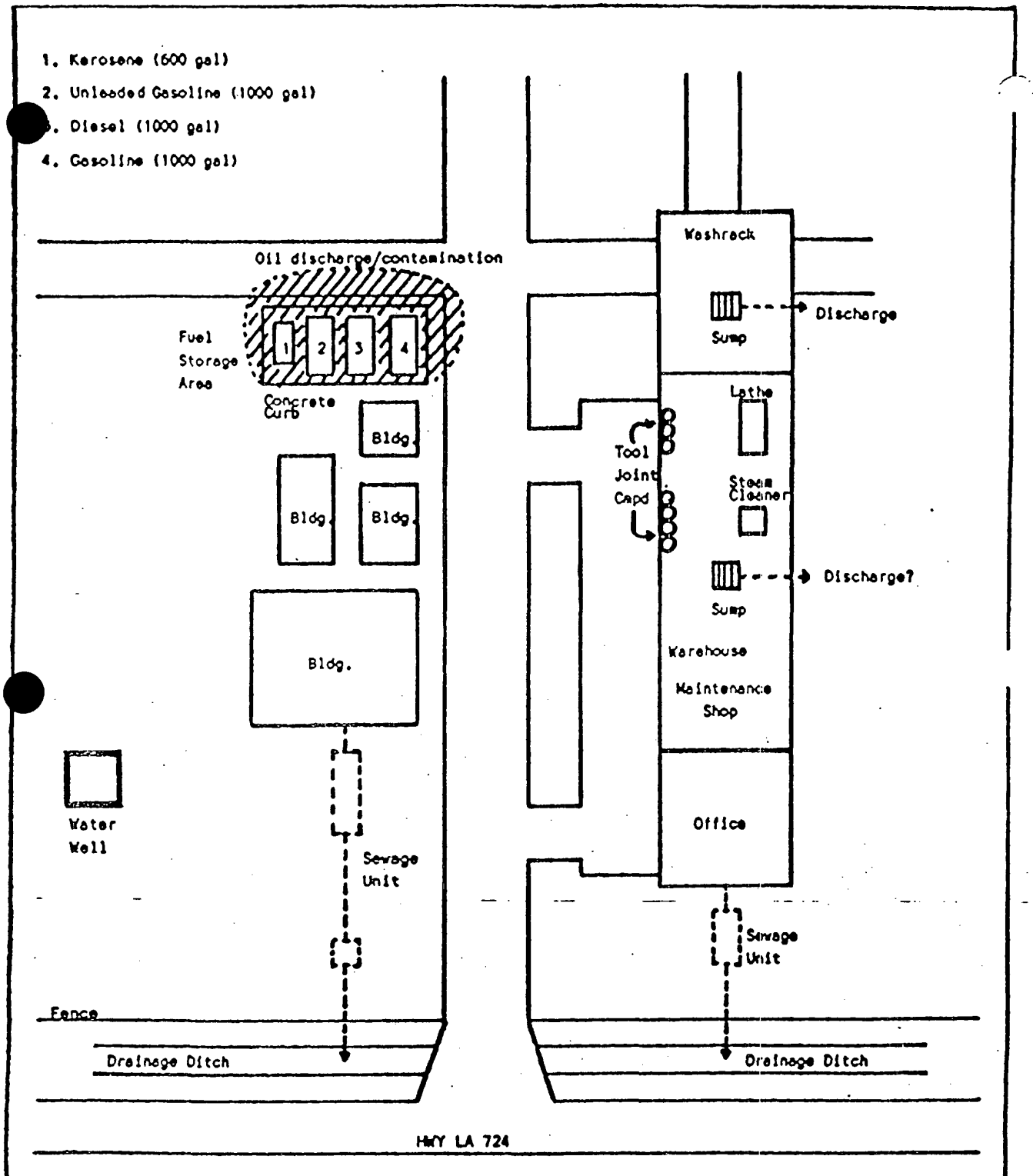

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: CACTUS PIPE & SUPPLY SOUTHWEST CORNER DETAIL		
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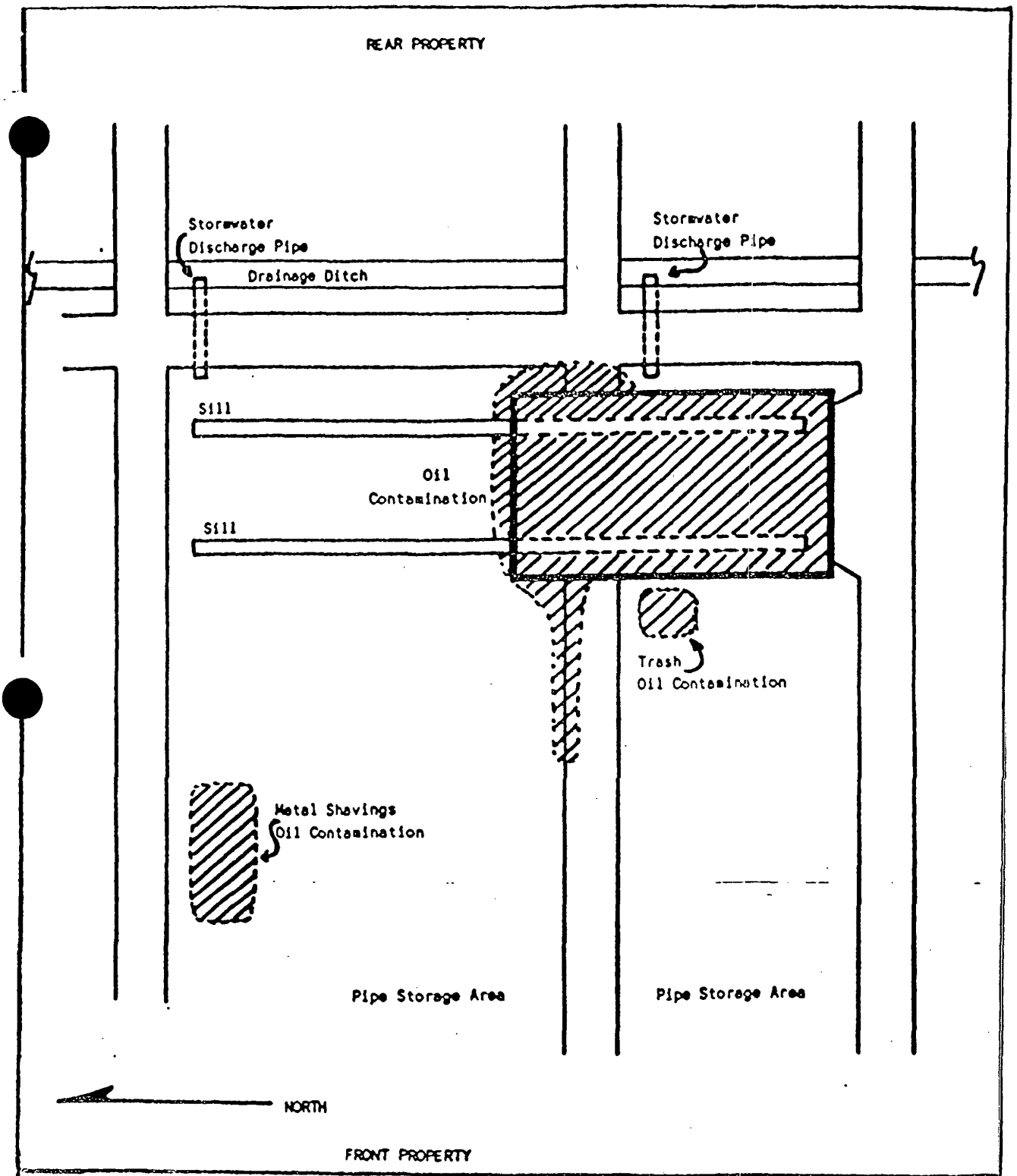
Date: 11-22-89	Drawing No. Figure 4	Rev. No.

12-89



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INC.

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Title: CACTUS PIPE & SUPPLY CASING INSPECTION AREA DETAIL		
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Date: 11-22-89	Drawing No. Figure 5	Rev. No.

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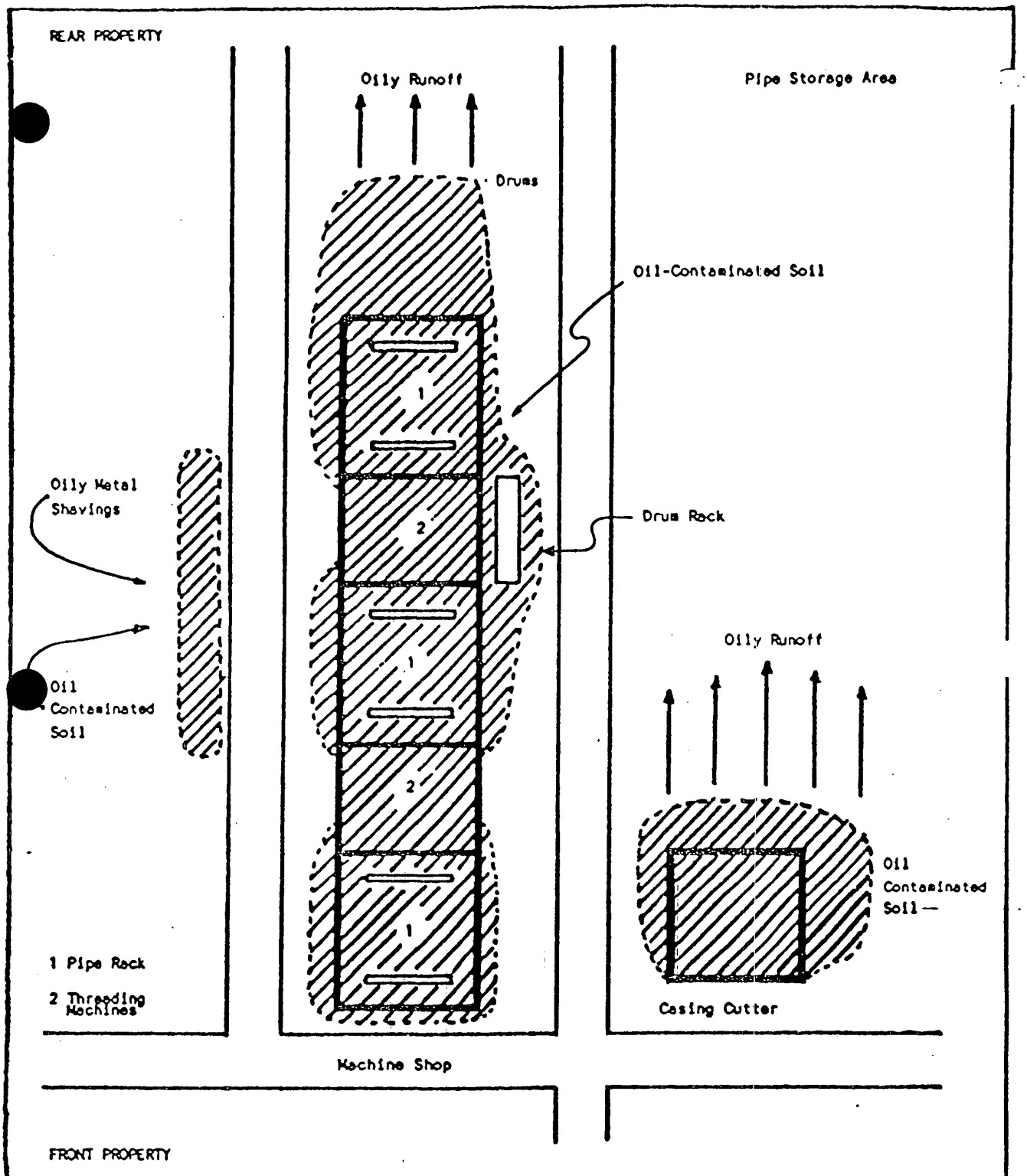
12-46



NEWPARK ENVIRONMENTAL SERVICES INC.

Title: CACTUS PIPE & SUPPLY MACHINE SHOP/CASING CUTTER DETAIL		
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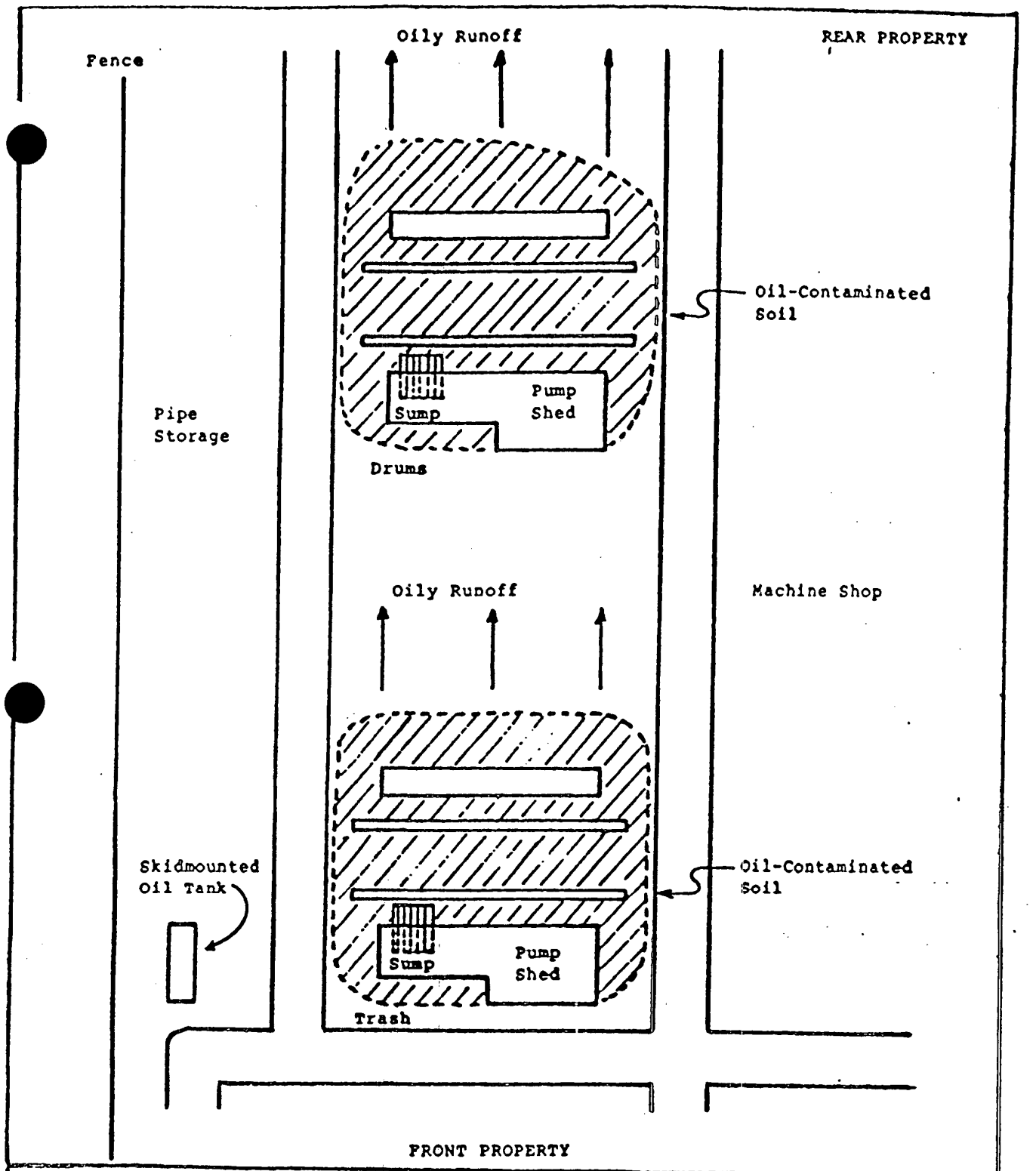
Date: 11-22-89	Drawing No. Figure 6	Rev. No.

12-41



NEWPARK ENVIRONMENTAL SERVICES INC.

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Title: CACTUS PIPE & SUPPLY CASING HYDROSTATIC TESTING DETAIL		
Scale: 1" = 40'	Drawn by: poc	Approved by:
Date: 11-22-89	Drawing No. Figure 7	Rev. No.

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12-42

PLATE 1

Office/Shop
Sewage Unit

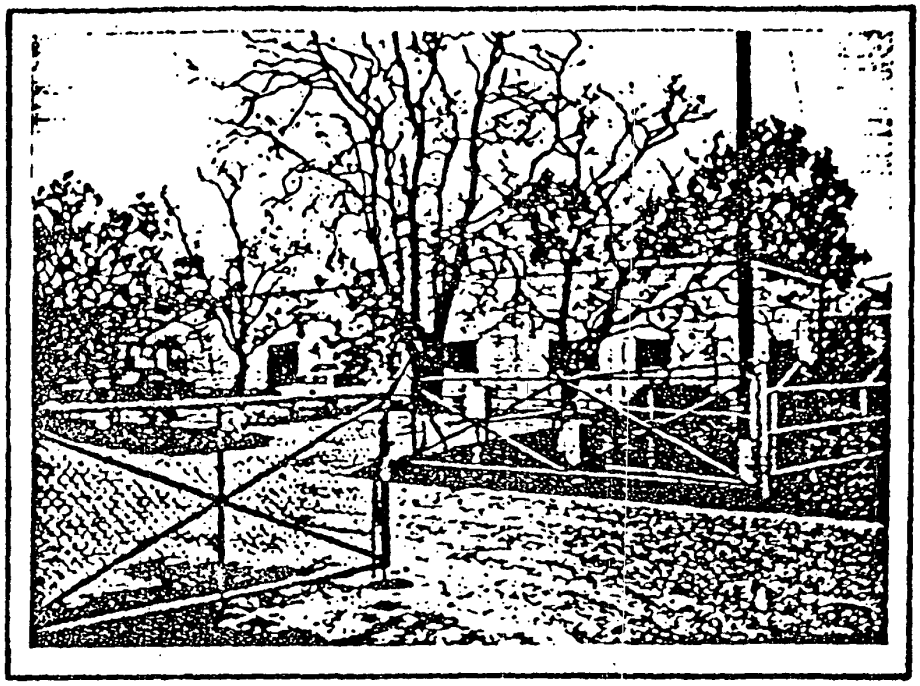
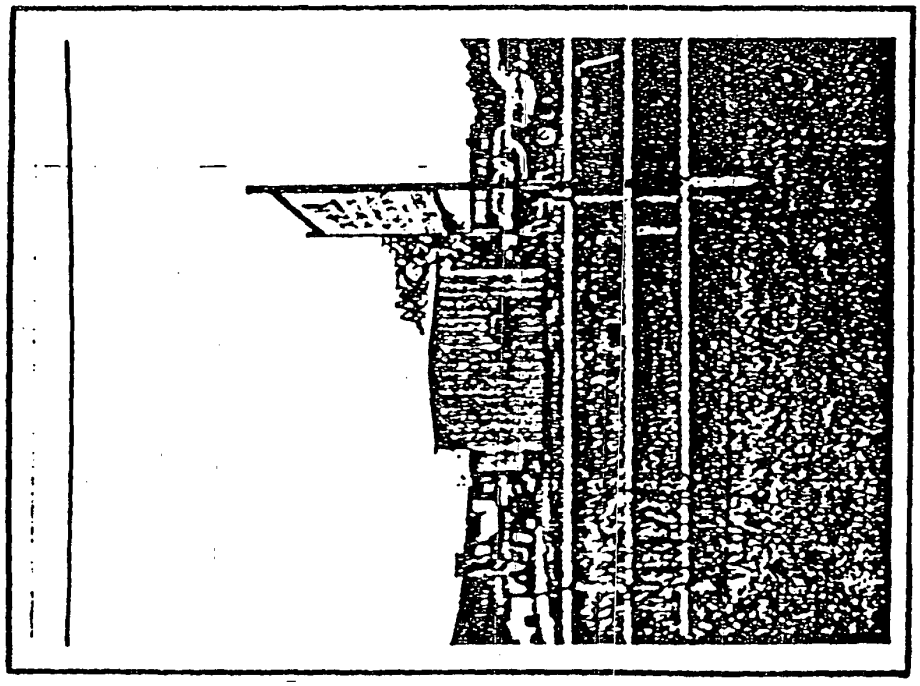


PLATE 2

Locker Room
Sewage Unit



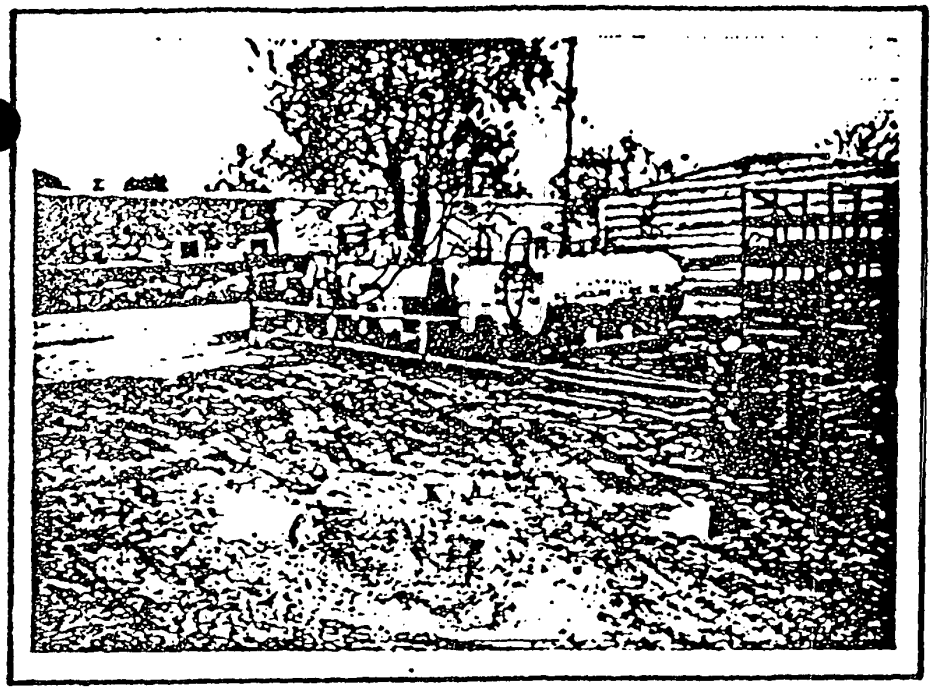


PLATE 3

Motor Fuel Storage Area

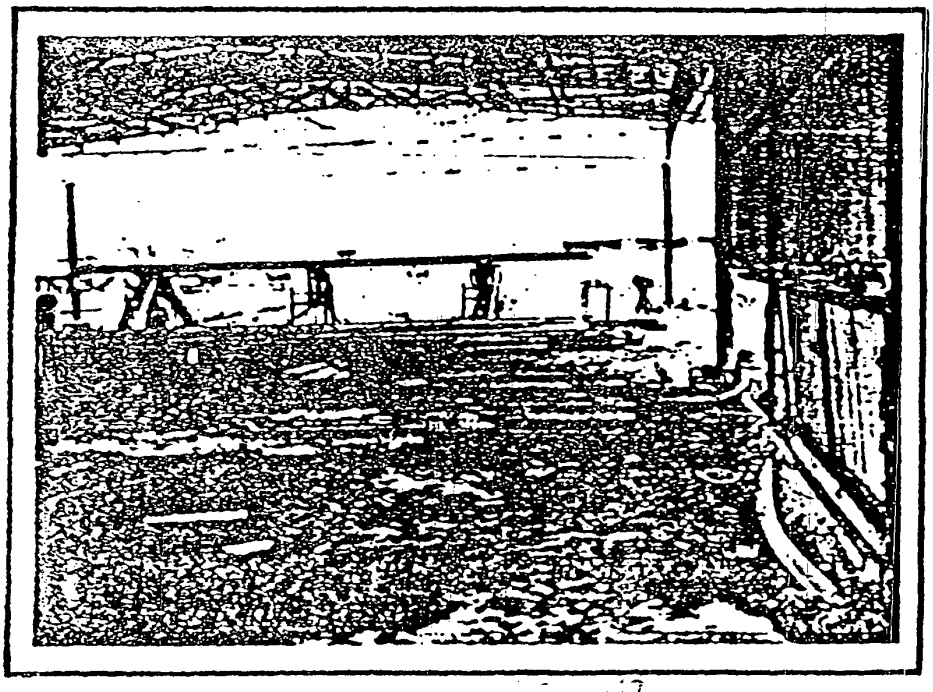


PLATE 4

Casing Insp. Area

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PLATE 5

Machine Shop

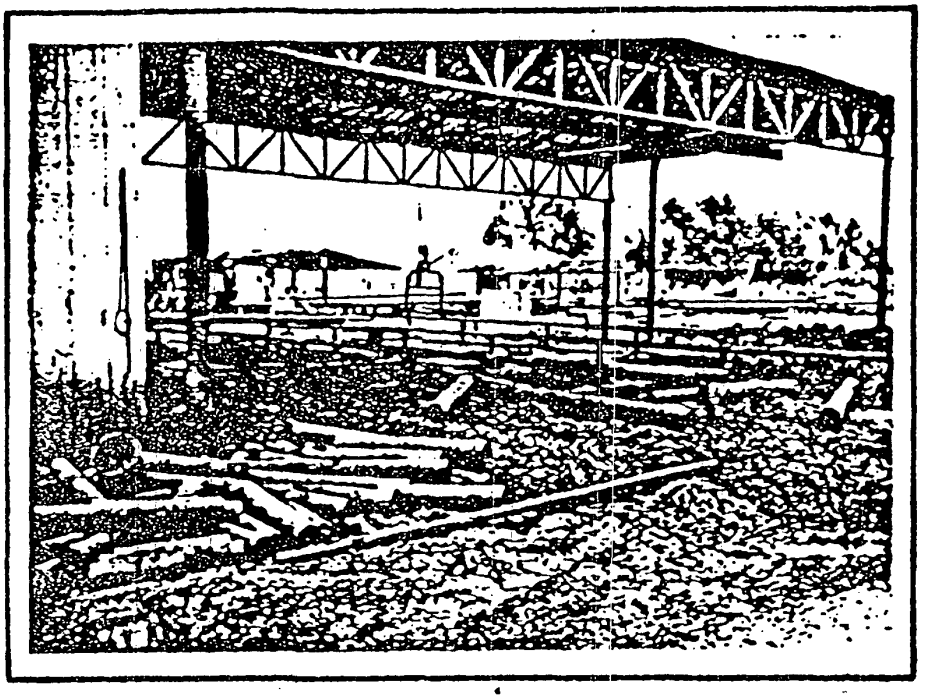
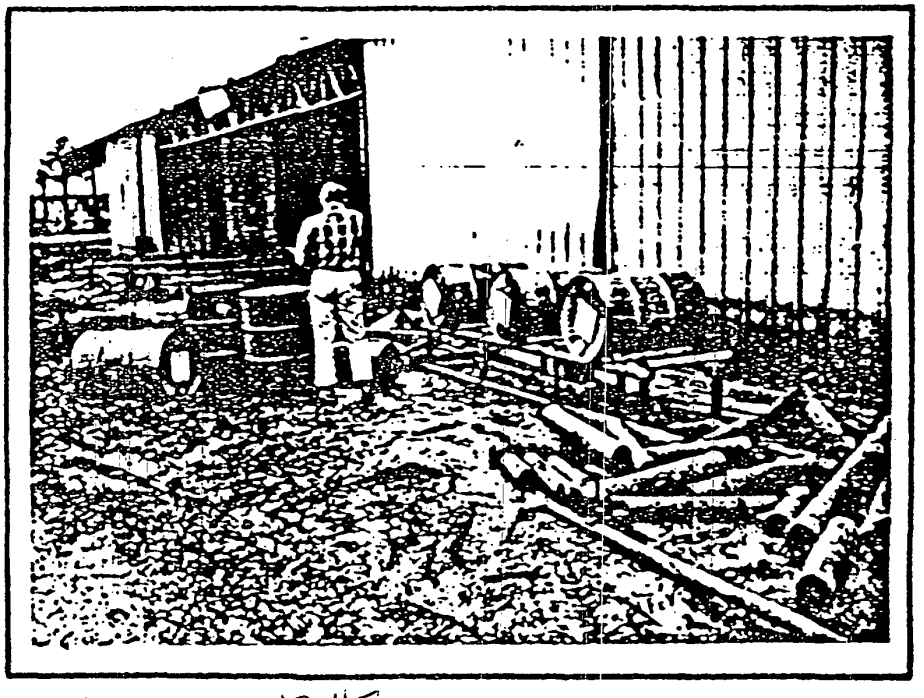


PLATE 6

Machine Shop
Drum Rack



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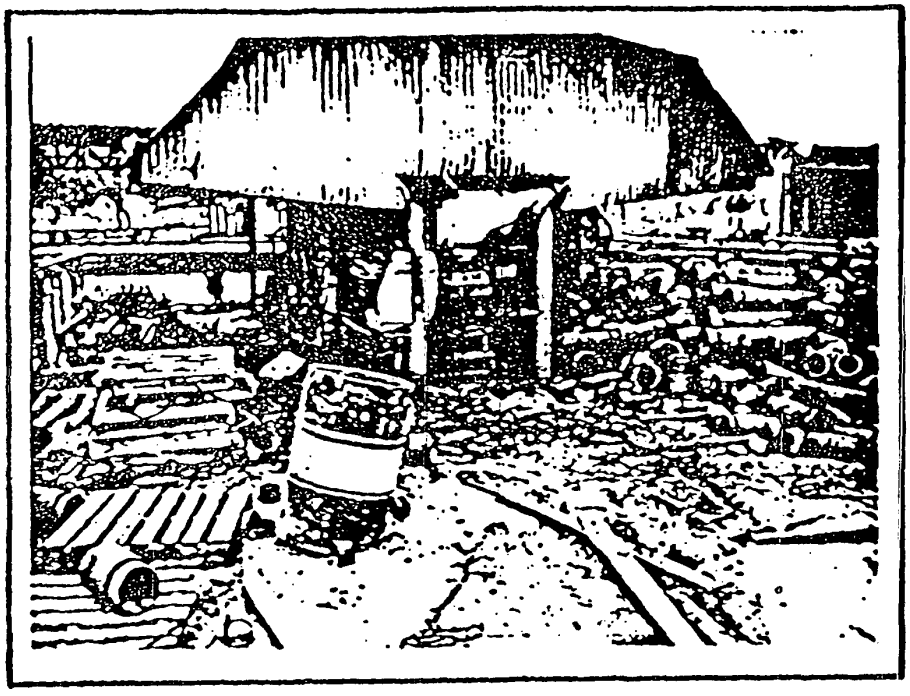


PLATE 7

Casing Cutter

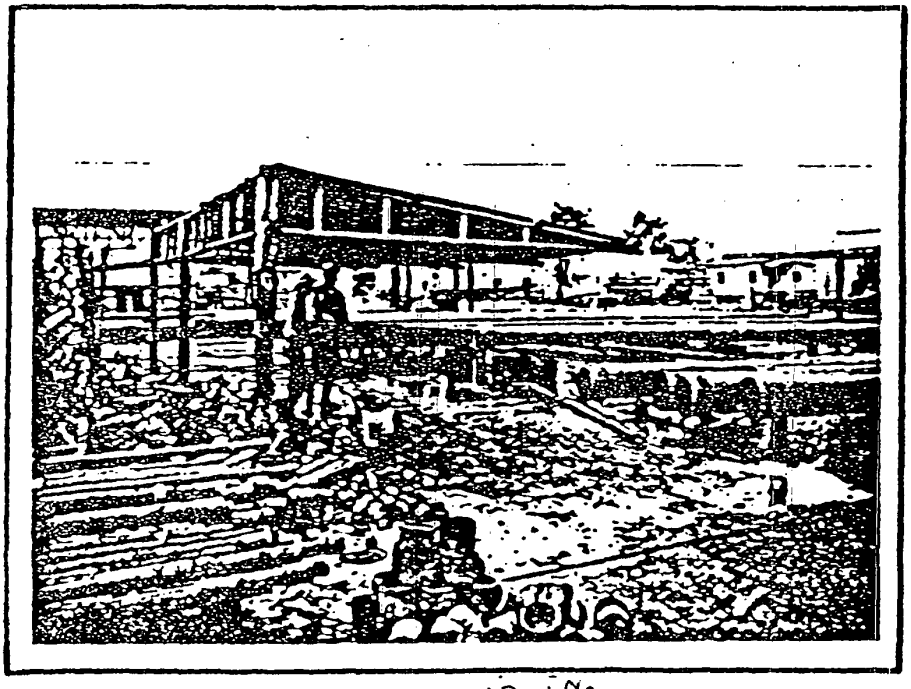


PLATE 8

Casing Hydrostatic Test Area

12-46

PLATE 9

Tubing
Cleaning
Inspection
Testing Area

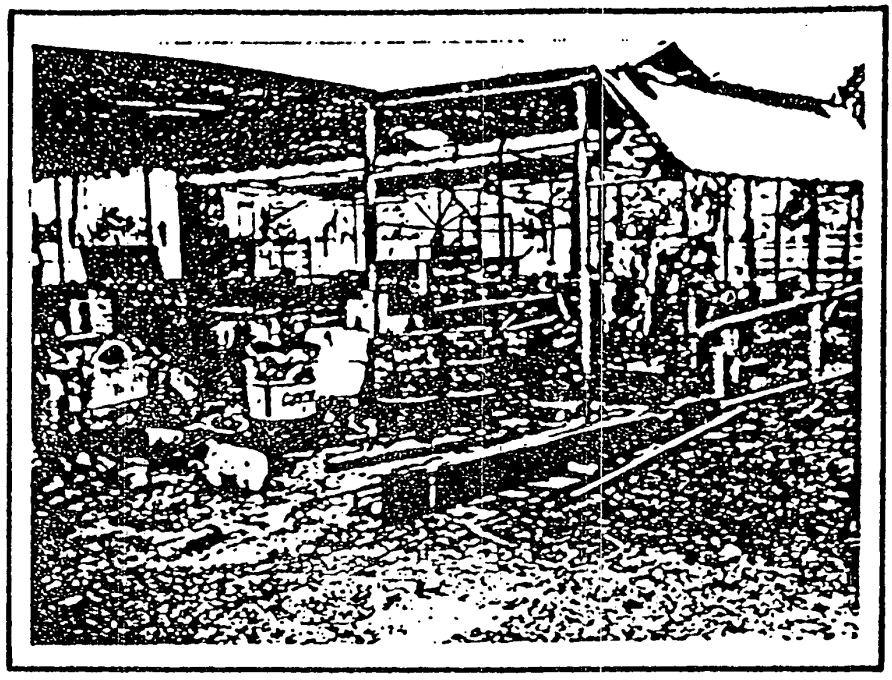
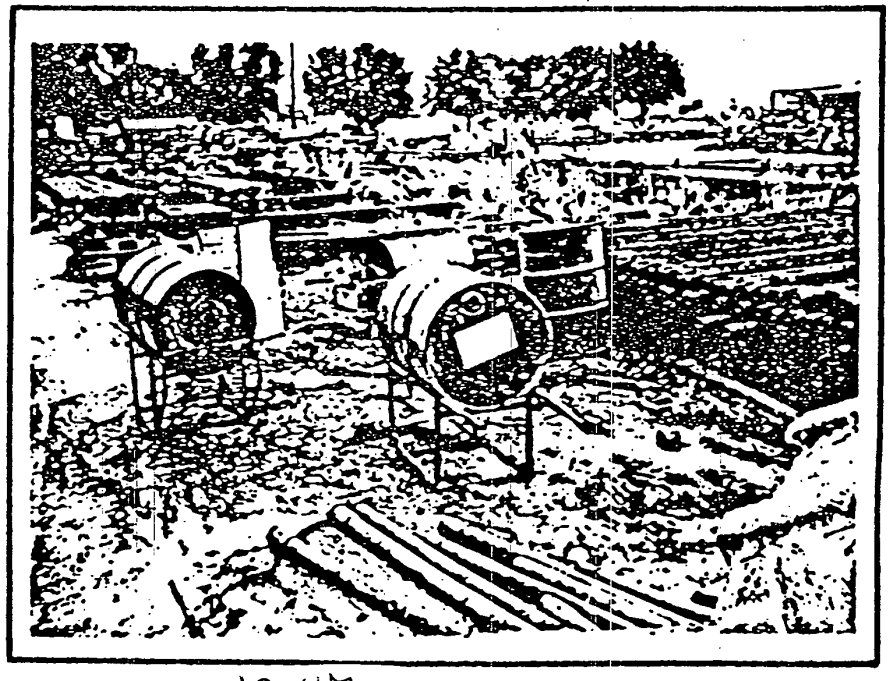


PLATE 10

Equipment
Maintenance
Area



12-47

Exhibit

1990 Phase II Report

Exhibit -1

12-49

NEWPARK ENVIRONMENTAL SERVICES, INC.
P.O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

COMPANY NAME: CACTUS
LOCATION: DUSON
RE: CONTAMINATED SOIL CORES
LAB#: 3323A-QQ AND 3328A-AAA

FEBRUARY 14, 1990

"Worst Case" Soil Cores

OIL & GREASE CONTENT (% DRY WT)

		SAMPLE AREA	SAMPLE DEPTH (INCHES) 0-4	4-8	8-12	12-18	18-24	24-30	30-36
FS	Fuel Storage Area	A	1.58	1.19	1.33	1.03	0.68	0.35	
		B	15.9	10.3	2.20	0.34			
CC	Casing Cutter	C	11.9	1.92	1.46	0.38			
		D	3.36	2.78	1.80	0.77	0.64	0.37	
VM	Vehicle Maintenance	E	4.99	1.51	0.36				
TI	Tubing Inspection	F	5.48	1.34	0.47	0.64	0.87	0.36	
		G	5.83	5.50	0.33				
		H	6.89	1.03	0.39				
		I	8.85	7.64	2.27	0.60	1.04	1.03	0.32
MS	Machine Shop	J	5.28	-	1.34	0.36			
		K	8.77	-	1.81	0.35			
		L	9.55	-	1.72	0.70	0.65	0.36	
		M	1.02	-	0.74	0.38			
		N	7.49	-	0.71	<0.34			
		O	5.06	1.61	0.26				
FC	Front Casing Test	P	6.73	0.31	0.33				
		Q	7.23	0.75	<0.37				
		R	6.54	0.40	<0.26				
		S	-	-	1.54	0.37			
RC	Rear Casing Test	T	-	-	4.14	0.70	0.27		
		U	10.2	0.41	0.28				
		V	-	-	5.33	1.56	0.28		
		W	-	-	0.99	0.39			
CI	Casing Inspection	X	0.63	<0.34	<0.38				
		Y	1.53	0.32	0.28				
		Z	-	-	0.72	0.73	0.32		
	Casing Inspection	AA	0.32	0.34	0.39				

	% DRY WT	DEPTH
NATURAL SOIL AREA BB	0.37	0-36"
NATURAL SOIL AREA CC	0.35	0-36"
NATURAL SOIL AREA DD	0.37	0-36"
NATURAL SOIL AREA EE	0.84	0-36"
NATURAL SOIL AREA FF	0.34	0-36"
NATURAL SOIL COMPOSITE (BB,CC,DD,FF)	0.37	0-36"

ATTEST: Phillip A. Clark

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Exhibit -2

12-51

NEWPARK ENVIRONMENTAL SERVICES, INC.
P.O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

COMPANY NAME: CACTUS FEBRUARY 14, 1990
LOCATION: DUSON
RE: CONTAMINATED SOIL CORES
LAB#: 3323A-QQ AND 3328A-AAA

OIL & GREASE CONTENT (% DRY WT)

SAMPLE AREA	SAMPLE DEPTH (INCHES) 0-4	4-8	8-12	12-18	18-24	24-30	30-36
A	1.58	1.19	1.33	1.03	0.68	0.35	
B	15.9	10.3	2.20	0.34			
C	11.9	1.92	1.46	0.38			
D	3.36	2.78	1.80	0.77	0.64	0.37	
E	4.99	1.51	0.36				
F	5.48	1.34	0.47	0.64	0.87	0.36	
G	5.83	5.50	0.33				
H	6.89	1.03	0.39				
I	8.85	7.64	2.27	0.60	1.04	1.03	0.32
J	5.28	-	1.34	0.36			
K	8.77	-	1.81	0.35			
L	9.55	-	1.72	0.70	0.65	0.36	
M	1.02	-	0.74	0.38			
N	7.49	-	0.71	<0.34			
O	5.06	1.61	0.26				
P	6.73	0.31	0.33				
Q	7.23	0.75	<0.37				
R	6.54	0.40	<0.26				
S	-	-	1.54	0.37			
T	-	-	4.14	0.70	0.27		
U	10.2	0.41	0.28				
V	-	-	5.33	1.56	0.28		
W	-	-	0.99	0.39			
X	0.63	<0.34	<0.38				
Y	1.53	0.32	0.28				
Z	-	-	0.72	0.73	0.32		
AA	0.32	0.34	0.39				

	% DRY WT	DEPTH
NATURAL SOIL AREA BB	0.37	0-36"
NATURAL SOIL AREA CC	0.35	0-36"
NATURAL SOIL AREA DD	0.37	0-36"
NATURAL SOIL AREA EE	0.84	0-36"
NATURAL SOIL AREA FF	0.34	0-36"
NATURAL SOIL COMPOSITE (BB,CC,DD,FF)	0.37	0-36"

ATTEST: Phillip A. Clark

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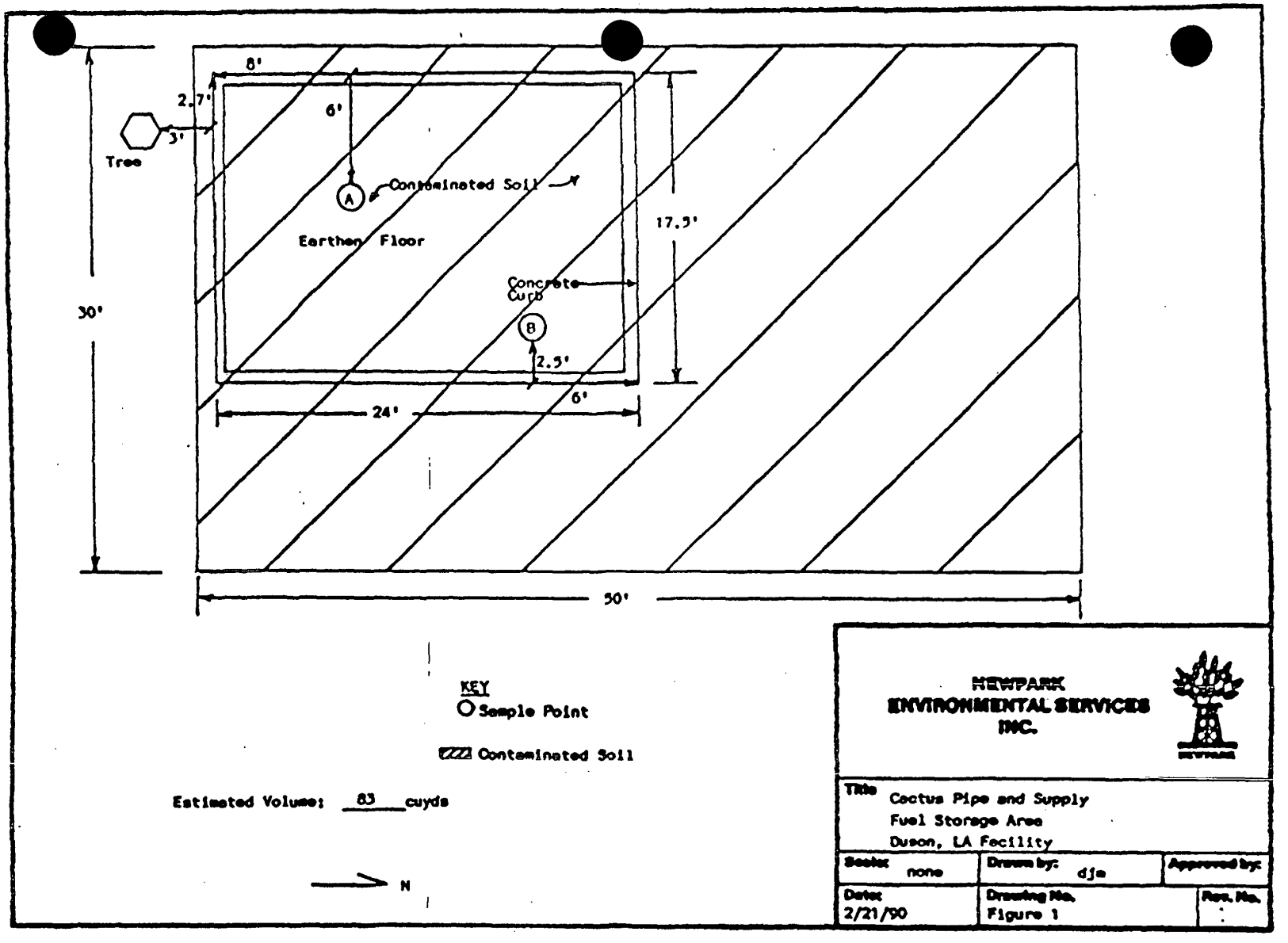
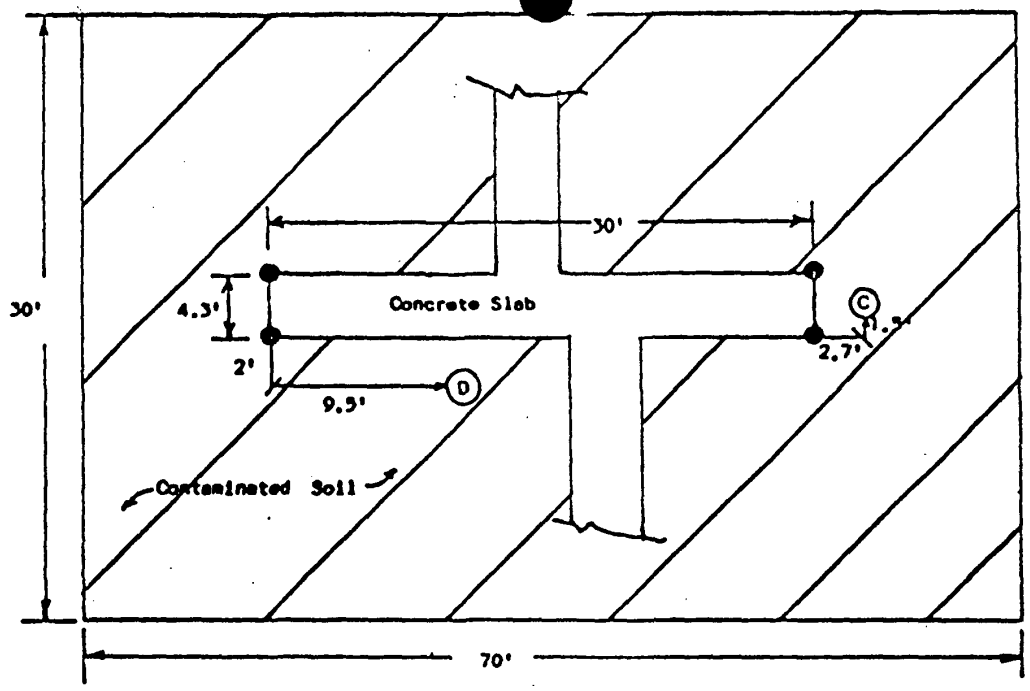
ecology and environment

12-52


8'
2.7'
6'
3'
Tree
A
Contaminated Soil
Earthen Floor
17.5'
Concrete Curb
B
2.5'
6'
24'
30'
50'
KEY
Sample Point
Contaminated Soil
Estimated Volume: 83 cuyds
N
NEWPARK
ENVIRONMENTAL SERVICES
INC.
Title
Cactus Pipe and Supply
Fuel Storage Area
Duson, LA Facility
Scale: none
Drawn by: dja
Approved by:
Date: 2/21/90
Drawing No. Figure 1
Rev. No.

12-53



Volume Estimate: 136' cuyds

KEY
- ○ Sample Point
- ● Pipe Column
- ▨ Contaminated Soil

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Casing Cutter Area Duson, LA Facility		
Scale: none	Drawn by: djm	Approved by:
Date: 2/21/90	Drawing No. Figure 2	Rev. No.

12-54

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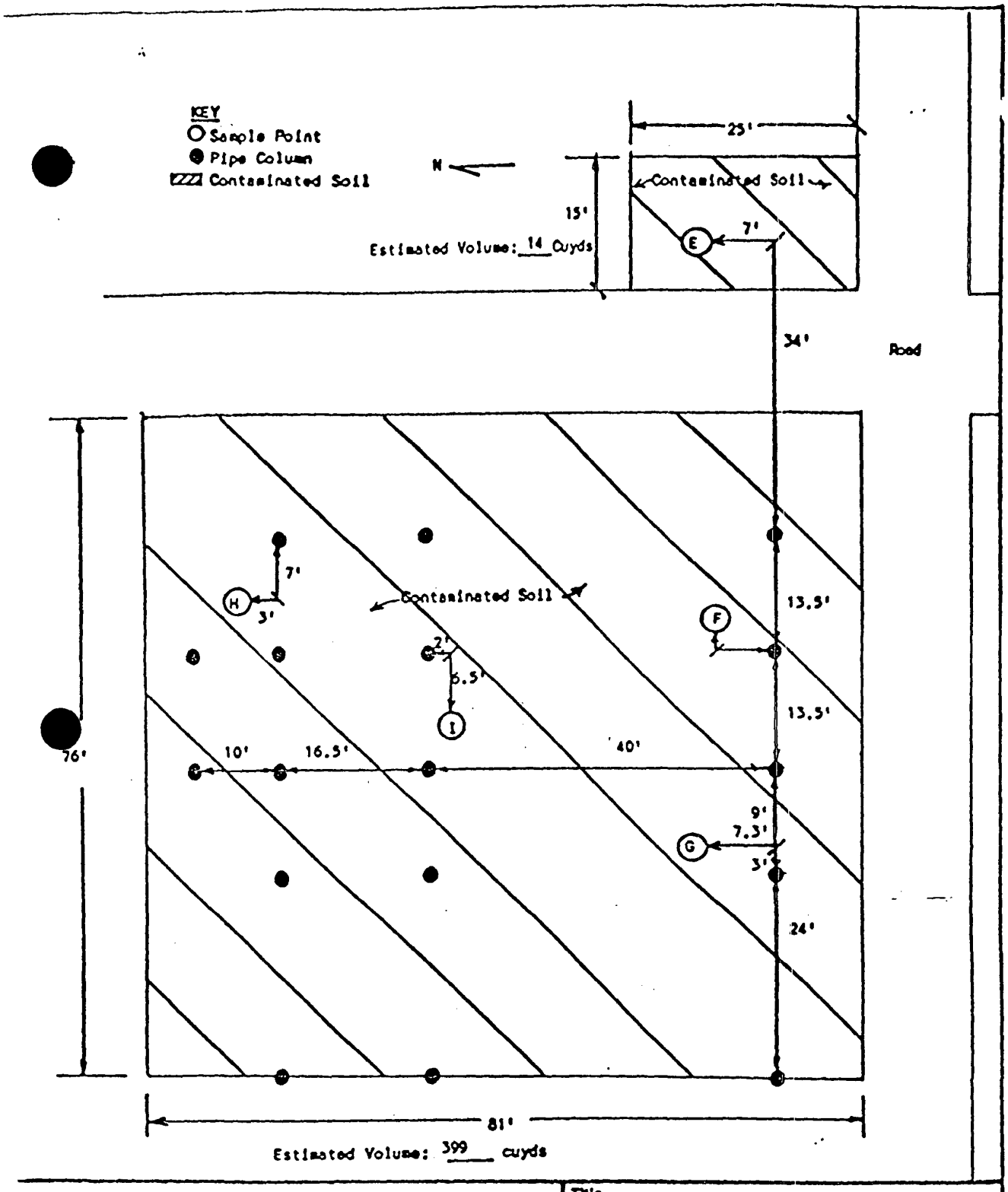
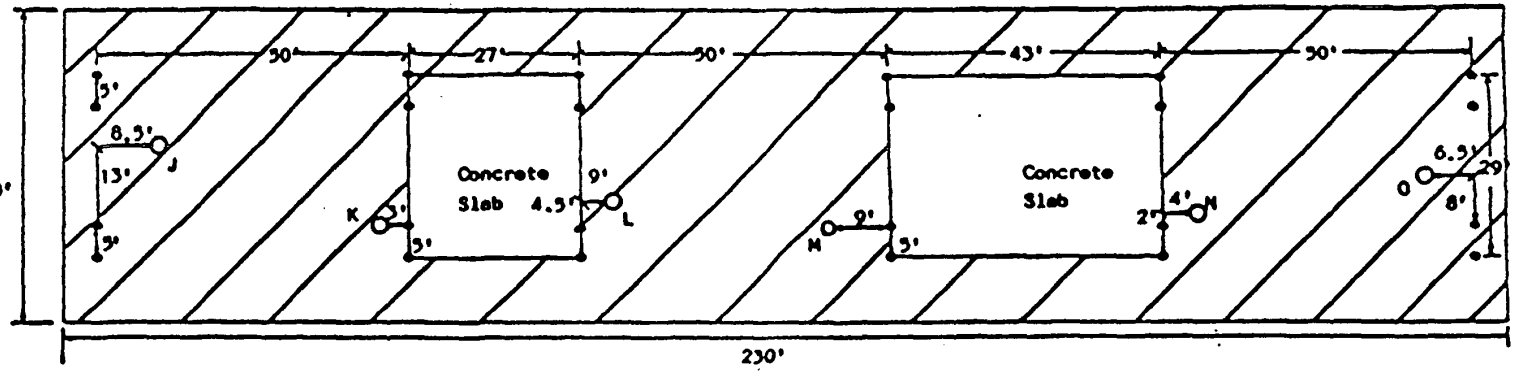
ecology and environment



NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Sapply Tubing Inspection and Vehicle Maintenance Duson, LA Facility		
Scale: none	Drawn by: dja	Approved by:
Date: 2/21/90	Drawing No. Figure 3	Rev. No.

12-55



Estimated Volume : 532 Cuyds

N

KEY
- ○ Sample Point
- ● Pipe Column
- ▨ Contaminated Soil

NEWPARK
ENVIRONMENTAL SERVICES
INC.

Title: Cactus Pipe and Supply Machine Shop Duson, LA Facility		
Scale: none	Drawn by: djm	Approved by:
Date: 2/21/90	Drawing No. Figure 4	Rev. No.

12-56

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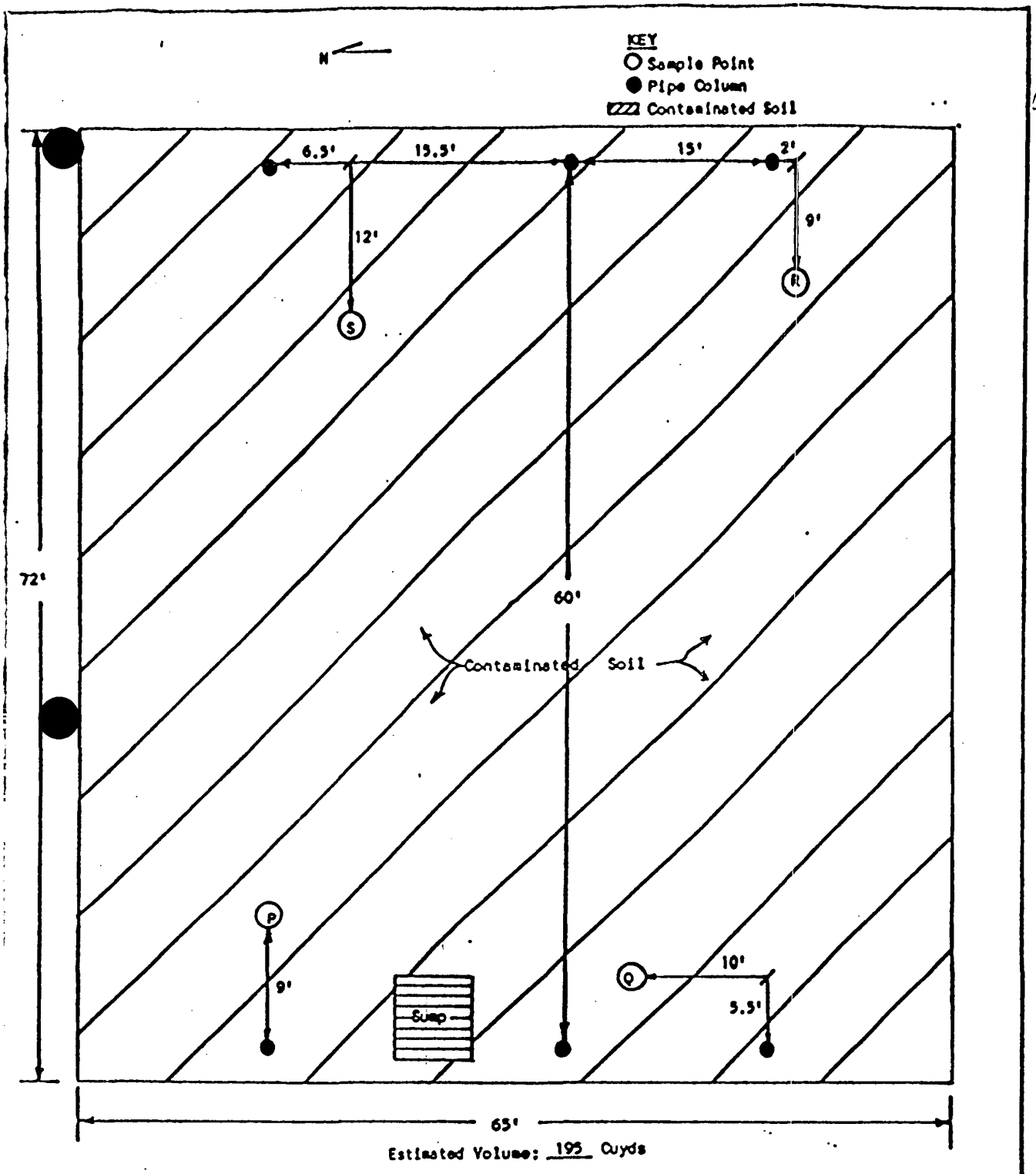
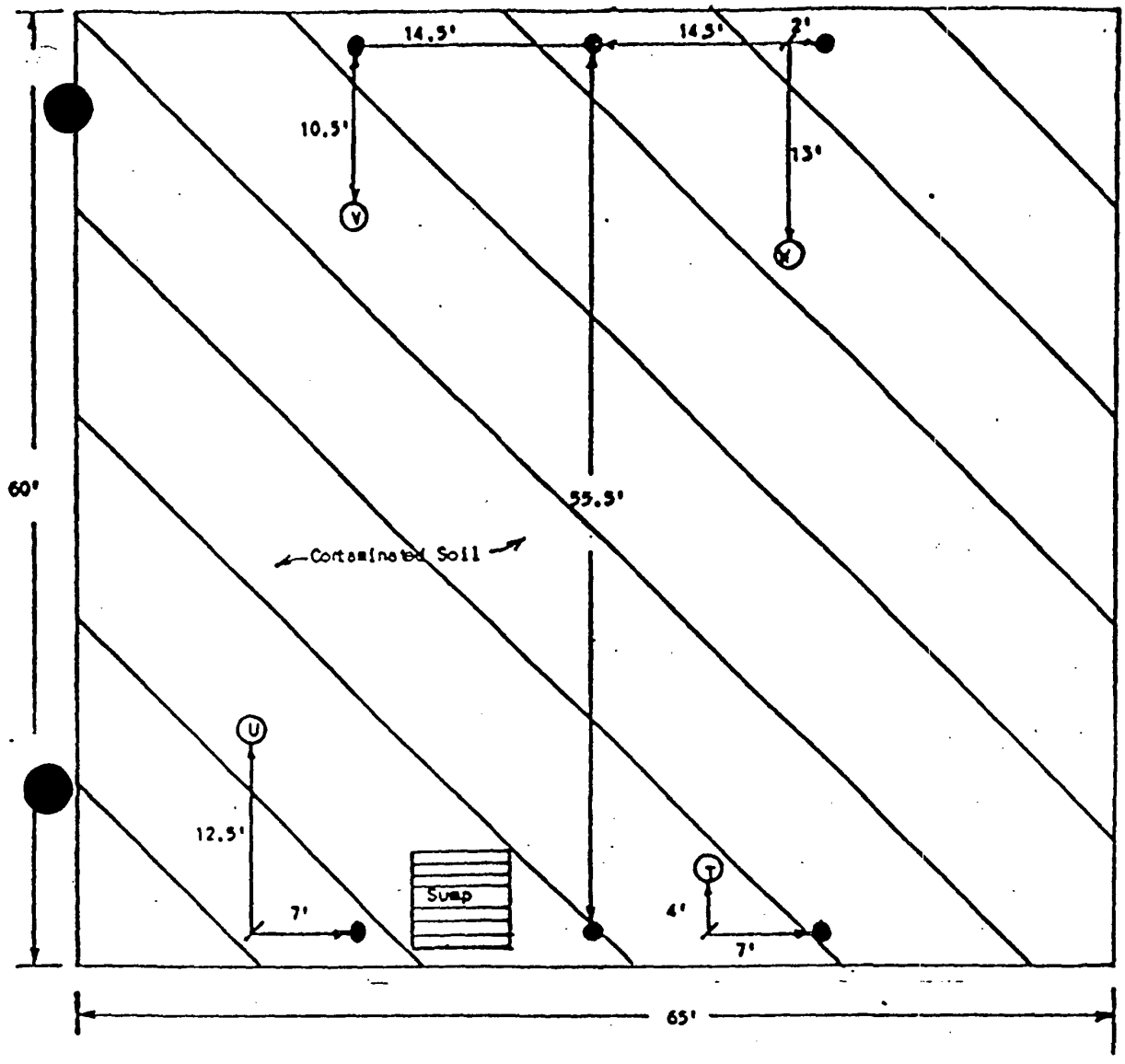


NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Front Casing Hydrotesting Area Duson, LA Facility		
Scale: none	Drawn by: ale	Approved by:
Date: 2/20/90	Drawing No. Figure 5	Rev. No.

12-57



Estimated Volume: 235 Cuyds

KEY
- ○ Sample Point
- ● Pipe Column
- ▨ Contaminated Soil

N

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Rear Casing Hydrotesting Area Duson, LA Facility		
Scale: none	Drawn by: dja	Approved by:
Date: 2/21/90	Drawing No. Figure 6	Rev. No.

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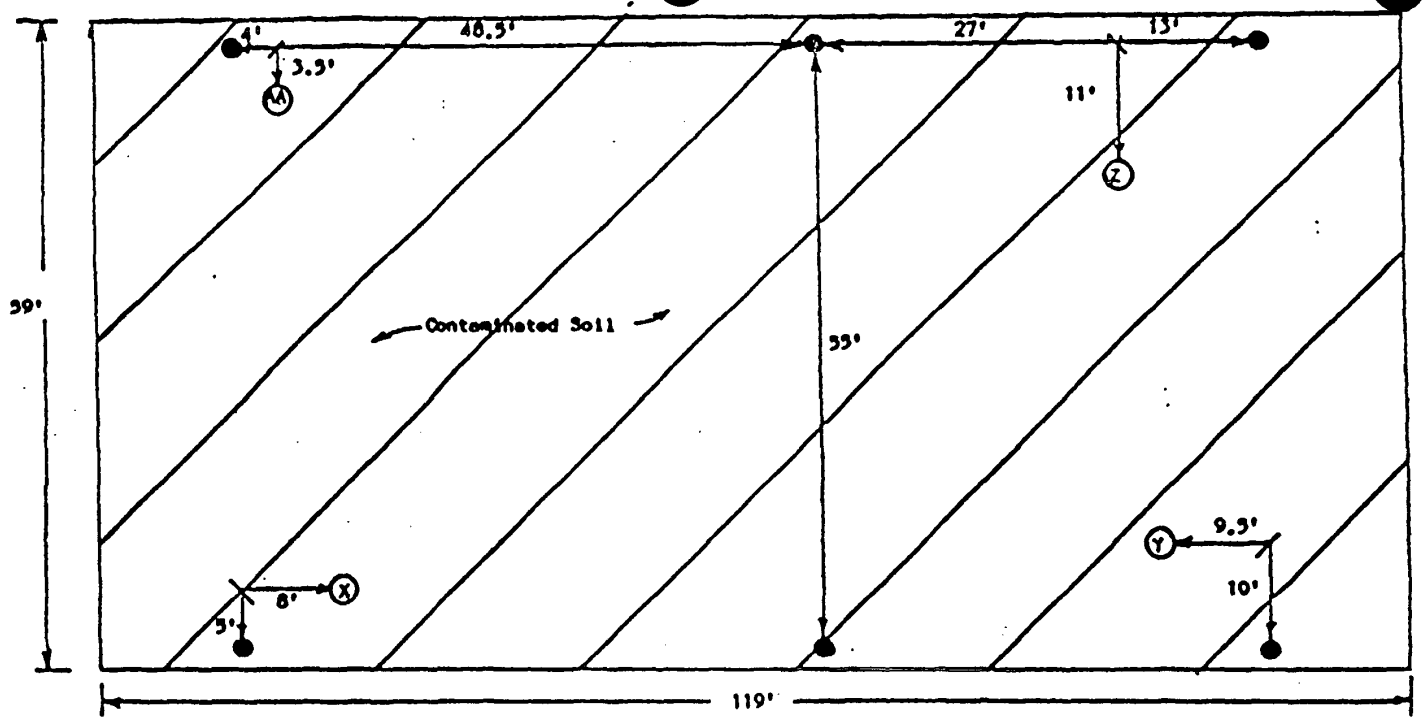
12-58



Estimated Volume: 260 Cuyds

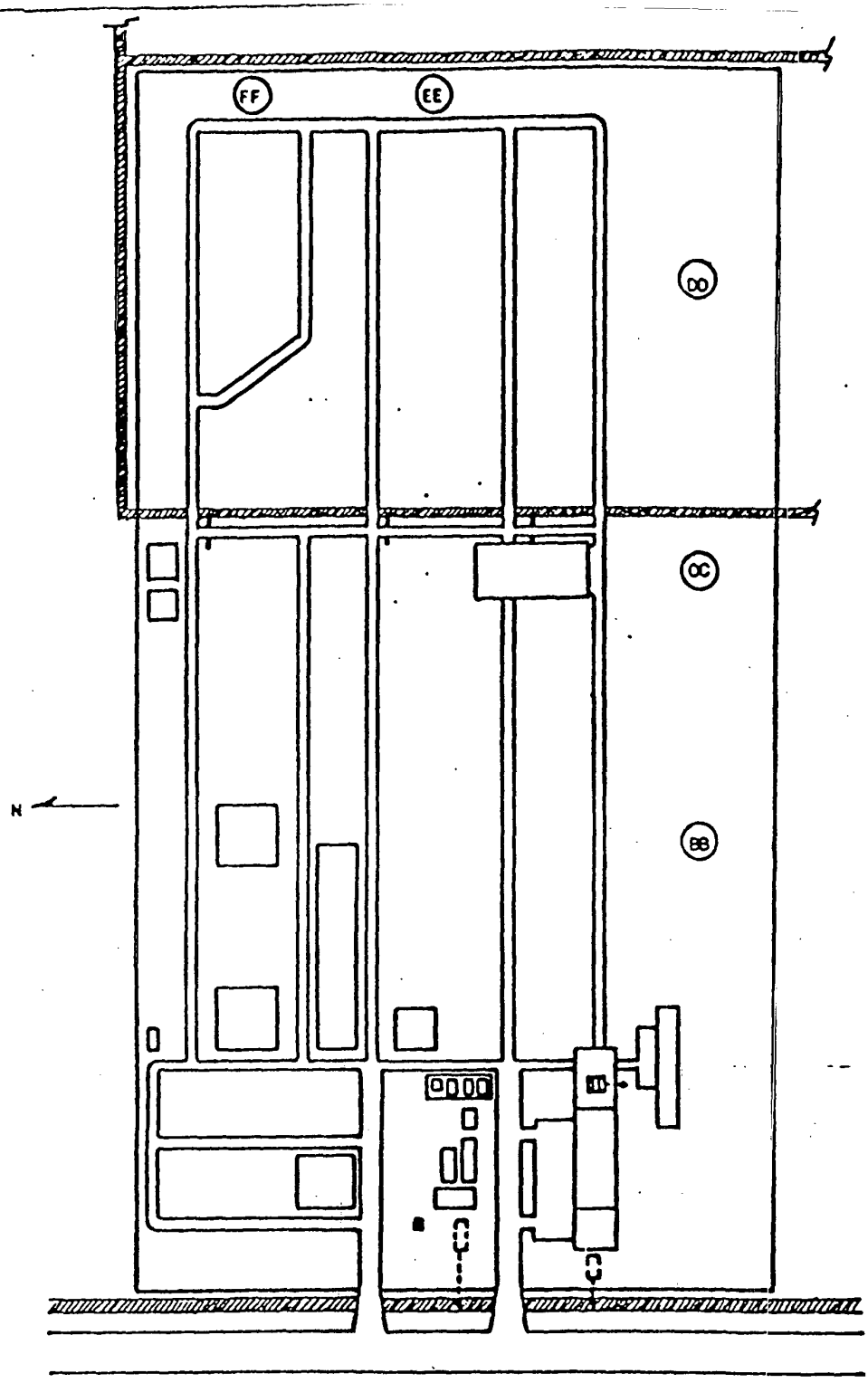
N

KEY
- Sample Point
- Pipe Column
- Contaminated Soil

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Casing Inspection Area Duson, LA Facility		
Scale: none	Drawn by: djm	Approved by:
Date: 2/21/90	Drawing No. Figure 7	Rev. No.

12-59



NEWPARK
ENVIRONMENTAL SERVICES
INC.

Title: Cactus Pipe and Supply Natural Soil Sample Points Duson, LA Facility		
Scale: none	Drawn by: dja	Approved by:
Date: 2/21/90	Drawing No. Figure 8	Rev. No.

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12-60

Exhibit -3

12-61

CACTUS
DUSON, LA

NEWPARK ENVIRONMENTAL SERVICES, INC.
P. O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

HAZARDOUS WASTE CHARACTERISTICS

LAB #: 1LA- 3340A — MARCH 3, 1990
IDENTIFICATION: SAMPLE DATE FEBRUARY 22, 1990
DESCRIPTION: COMPOSITE OF SAMPLE AREAS A & B

PARAMETER	RESULTS	EPA LIMITS
PHYSICAL CHARACTERISTICS		
SPECIFIC GRAVITY	0.49	UNITS
BULK DENSITY	4.09	LBS/GAL
OIL AND GREASE	6.93	PERCENT (DRY WT.)
IGNITABILITY		
FLASH POINT	NA ^{o}	< 140 ^{o} F
CORROSIVITY		
pH	7.92	≤2.0 OR ≥12.5 UNITS
REACTIVITY		
TOTAL CYANIDE	<0.01	MG/L
TOTAL SULFIDE	0.200	MG/L
EP TOXICITY		
ARSENIC	0.01	5.0 MG/L
BARIUM	3	100 MG/L
CADMIUM	0.12	1.0 MG/L
CHROMIUM	<0.01	5.0 MG/L
LEAD	93.00	5.0 MG/L
MERCURY	<0.005	0.2 MG/L
SELENIUM	<0.005	1.0 MG/L
SILVER	0.01	5.0 MG/L
COPPER	0.39	MG/L
NICKEL	0.33	MG/L
ZINC	98.00	MG/L
THALLIUM	0.20	MG/L

ATTEST: Phillip A. Clark

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12-62

CACTUS
DUSON,LA

NEWPARK ENVIRONMENTAL SERVICES, INC.
P. O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

HAZARDOUS WASTE CHARACTERISTICS

LAB #: 1LA-3340B MARCH 3, 1990
IDENTIFICATION: SAMPLE DATE FEBRUARY 22, 1990
DESCRIPTION: COMPOSITE OF AREAS C & D

PARAMETER	RESULTS	EPA LIMITS
PHYSICAL CHARACTERISTICS		
SPECIFIC GRAVITY	3.81	UNITS
BULK DENSITY	31.78	LBS/GAL
OIL AND GREASE	12.28	PERCENT (DRY WGT.)
IGNITABILITY		
FLASH POINT	NA°	< 140° F
CORROSIVITY		
pH	7.05	≤2.0 OR ≥12.5 UNITS
REACTIVITY		
TOTAL CYANIDE	<0.01	MG/L
TOTAL SULFIDE	0.040	MG/L
EP TOXICITY		
ARSENIC	<0.005	5.0 MG/L
BARIUM	3	100 MG/L
CADMIUM	0.04	1.0 MG/L
CHROMIUM	<0.01	5.0 MG/L
LEAD	0.30	5.0 MG/L
MERCURY	<0.005	0.2 MG/L
SELENIUM	0.01	1.0 MG/L
SILVER	0.02	5.0 MG/L
COPPER	<0.01	MG/L
NICKEL	0.13	MG/L
ZINC	1.50	MG/L
THALLIUM	0.10	MG/L

ATTEST: Phillip O Clark

12-63

CACTUS
DUSON, LA

NEWPARK ENVIRONMENTAL SERVICES, INC.
P. O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

HAZARDOUS WASTE CHARACTERISTICS

LAB #: 1LA-3340C
IDENTIFICATION: SAMPLE DATE FEBRUARY 22, 1990
DESCRIPTION: SAMPLE AREA E

MARCH 3, 1990

PARAMETER	RESULTS	EPA LIMITS
PHYSICAL CHARACTERISTICS		
SPECIFIC GRAVITY	3.27	UNITS
BULK DENSITY	27.27	LBS/GAL
OIL AND GREASE	7.20	PERCENT (DRY WGT.)
IGNITABILITY		
FLASH POINT	NA°	< 140° F
CORROSIVITY		
pH	7.3	≤2.0 OR ≥12.5 UNITS
REACTIVITY		
TOTAL CYANIDE	0.100	MG/L
TOTAL SULFIDE	0.030	MG/L
EP TOXICITY		
ARSENIC	<0.005	5.0 MG/L
BARIUM	8	100 MG/L
CADMIUM	0.10	1.0 MG/L
CHROMIUM	0.12	5.0 MG/L
LEAD	4.10	5.0 MG/L
MERCURY	<0.005	0.2 MG/L
SELENIUM	<0.005	1.0 MG/L
SILVER	0.09	5.0 MG/L
COPPER	0.30	MG/L
NICKEL	0.56	MG/L
ZINC	20.00	MG/L
THALLIUM	0.60	MG/L

ATTEST: _____

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12-64

CACTUS
DUSON, LA

NEWPARK ENVIRONMENTAL SERVICES, INC.
P. O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

HAZARDOUS WASTE CHARACTERISTICS

LAB #: 1LA-3340D
IDENTIFICATION: SAMPLE DATE FEBRUARY 22, 1990
DESCRIPTION: COMPOSITE OF AREAS F - I

MARCH 3, 1990

PARAMETER	RESULTS	EPA LIMITS
PHYSICAL CHARACTERISTICS		
SPECIFIC GRAVITY	7.87	UNITS
BULK DENSITY	65.64	LBS/GAL
OIL AND GREASE	12.42	PERCENT (DRY WGT.)
IGNITABILITY		
FLASH POINT	NA°	< 140° F
CORROSIVITY		
pH	8.14	≤2.0 OR ≥12.5 UNITS
REACTIVITY		
TOTAL CYANIDE	<0.01	MG/L
TOTAL SULFIDE	0.110	MG/L
EP TOXICITY		
ARSENIC	0.03	5.0 MG/L
BARIUM	4	100 MG/L
CADMIUM	0.10	1.0 MG/L
CHROMIUM	0.04	5.0 MG/L
LEAD	29.00	5.0 MG/L
MERCURY	<0.005	0.2 MG/L
SELENIUM	<0.005	1.0 MG/L
SILVER	0.04	5.0 MG/L
COPPER	0.26	MG/L
NICKEL	0.45	MG/L
ZINC	63.00	MG/L
THALLIUM	0.35	MG/L

ATTEST: [signature]

12-65

CACTUS
DUSON, LA

NEWPARK ENVIRONMENTAL SERVICES, INC.
P. O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

HAZARDOUS WASTE CHARACTERISTICS

LAB #: 1LA-3340E
IDENTIFICATION: SAMPLE DATE FEBRUARY 22, 1990
DESCRIPTION: COMPOSITE OF AREAS J - O

MARCH 3, 1990

PARAMETER	RESULTS	EPA LIMITS
PHYSICAL CHARACTERISTICS		
SPECIFIC GRAVITY	4.75	UNITS
BULK DENSITY	39.62	LBS/GAL
OIL AND GREASE	17.05	PERCENT (DRY WGT.)
IGNITABILITY		
FLASH POINT	NA ^{o}	< 140 ^{o} F
CORROSIVITY		
pH	7.32	≤2.0 OR ≥12.5 UNITS
REACTIVITY		
TOTAL CYANIDE	0.075	MG/L
TOTAL SULFIDE	0.040	MG/L
EP TOXICITY		
ARSENIC	0.02	5.0 MG/L
BARIUM	9	100 MG/L
CADMIUM	0.12	1.0 MG/L
CHROMIUM	0.11	5.0 MG/L
LEAD	8.00	5.0 MG/L
MERCURY	<0.005	0.2 MG/L
SELENIUM	<0.005	1.0 MG/L
SILVER	0.08	5.0 MG/L
COPPER	0.09	MG/L
NICKEL	0.77	MG/L
ZINC	23.00	MG/L
THALLIUM	1.00	MG/L

ATTEST: Philip A. Clark

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CACTUS
DUSON, LA

NEWPARK ENVIRONMENTAL SERVICES, INC.
P. O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

HAZARDOUS WASTE CHARACTERISTICS

LAB #: 1LA-3340F
IDENTIFICATION: SAMPLE DATE FEBRUARY 22, 1990
DESCRIPTION: COMPOSITE OF AREAS P - S

MARCH 3, 1990

PARAMETER	RESULTS	EPA LIMITS
PHYSICAL CHARACTERISTICS		
SPECIFIC GRAVITY	3.34	UNITS
BULK DENSITY	27.86	LBS/GAL
OIL AND GREASE	19.90	PERCENT (DRY WGT.)
IGNITABILITY		
FLASH POINT	NA	< 140 °F
CORROSIVITY		
pH	7.48	≤2.0 OR ≥12.5 UNITS
REACTIVITY		
TOTAL CYANIDE	0.015	MG/L
TOTAL SULFIDE	0.120	MG/L
EP TOXICITY		
ARSENIC	0.01	5.0 MG/L
BARIUM	6	100 MG/L
CADMIUM	0.16	1.0 MG/L
CHROMIUM	0.04	5.0 MG/L
LEAD	7.70	5.0 MG/L
MERCURY	<0.005	0.2 MG/L
SELENIUM	<0.005	1.0 MG/L
SILVER	0.05	5.0 MG/L
COPPER	1.73	MG/L
NICKEL	0.52	MG/L
ZINC	82.00	MG/L
THALLIUM	0.60	MG/L

ATTEST: Philip A. Clark

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CACTUS
DUSON, LA

NEWPARK ENVIRONMENTAL SERVICES, INC.
P. O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

HAZARDOUS WASTE CHARACTERISTICS

LAB #: 1LA-3340G — MARCH 3, 1990
IDENTIFICATION: SAMPLE DATE FEBRUARY 22, 1990
DESCRIPTION: COMPOSITE OF AREAS T - W

PARAMETER	RESULTS	EPA LIMITS
PHYSICAL CHARACTERISTICS		
SPECIFIC GRAVITY	5.72	UNITS
BULK DENSITY	47.70	LBS/GAL
OIL AND GREASE	33.04	PERCENT (DRY WGT.)
IGNITABILITY		
FLASH POINT	NA°	< 140° F
CORROSIVITY		
pH	7.1	≤2.0 OR ≥12.5 UNITS
REACTIVITY		
TOTAL CYANIDE	0.030	MG/L
TOTAL SULFIDE	0.070	MG/L
EP TOXICITY		
ARSENIC	0.01	5.0 MG/L
BARIUM	5	100 MG/L
CADMIUM	0.12	1.0 MG/L
CHROMIUM	0.09	5.0 MG/L
LEAD	29.50	5.0 MG/L
MERCURY	<0.005	0.2 MG/L
SELENIUM	<0.005	1.0 MG/L
SILVER	0.05	5.0 MG/L
COPPER	0.43	MG/L
NICKEL	0.35	MG/L
ZINC	73.00	MG/L
THALLIUM	0.50	MG/L

ATTEST: Philip A. Clark

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CACTUS
DUSON, LA

NEWPARK ENVIRONMENTAL SERVICES, INC.
P. O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

HAZARDOUS WASTE CHARACTERISTICS

LAB #: 1LA-3340H MARCH 3, 1990
IDENTIFICATION: SAMPLE DATE FEBRUARY 22, 1990
DESCRIPTION: COMPOSITE OF AREAS X - Z

PARAMETER	RESULTS	EPA LIMITS
PHYSICAL CHARACTERISTICS		
SPECIFIC GRAVITY	4.49	UNITS
BULK DENSITY	37.45	LBS/GAL
OIL AND GREASE	6.28	PERCENT (DRY WGT.)
IGNITABILITY		
FLASH POINT	NA °F	< 140 °F
CORROSIVITY		
pH	7.58	≤2.0 OR ≥12.5 UNITS
REACTIVITY		
TOTAL CYANIDE	0.025	MG/L
TOTAL SULFIDE	0.100	MG/L
EP TOXICITY		
ARSENIC	<0.005	5.0 MG/L
BARIUM	4	100 MG/L
CADMIUM	0.09	1.0 MG/L
CHROMIUM	0.08	5.0 MG/L
LEAD	50.00	5.0 MG/L
MERCURY	<0.005	0.2 MG/L
SELENIUM	<0.005	1.0 MG/L
SILVER	0.04	5.0 MG/L
COPPER	2.70	MG/L
NICKEL	0.29	MG/L
ZINC	63.00	MG/L
THALLIUM	0.40	MG/L

ATTEST: [signature]

12-69

Exhibit -4

Exhibit -4

NEWPARK ENVIRONMENTAL SERVICES, INC.
P.O. BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

DATE: APRIL 25, 1990
COMPANY NAME: CACTUS
LOCATION: DUSON, LA
RE: CONTAMINATED SOIL CORES
LAB#: 3382A - 3382L; 3395A - 3395I

FULL AREA COMPOSITES

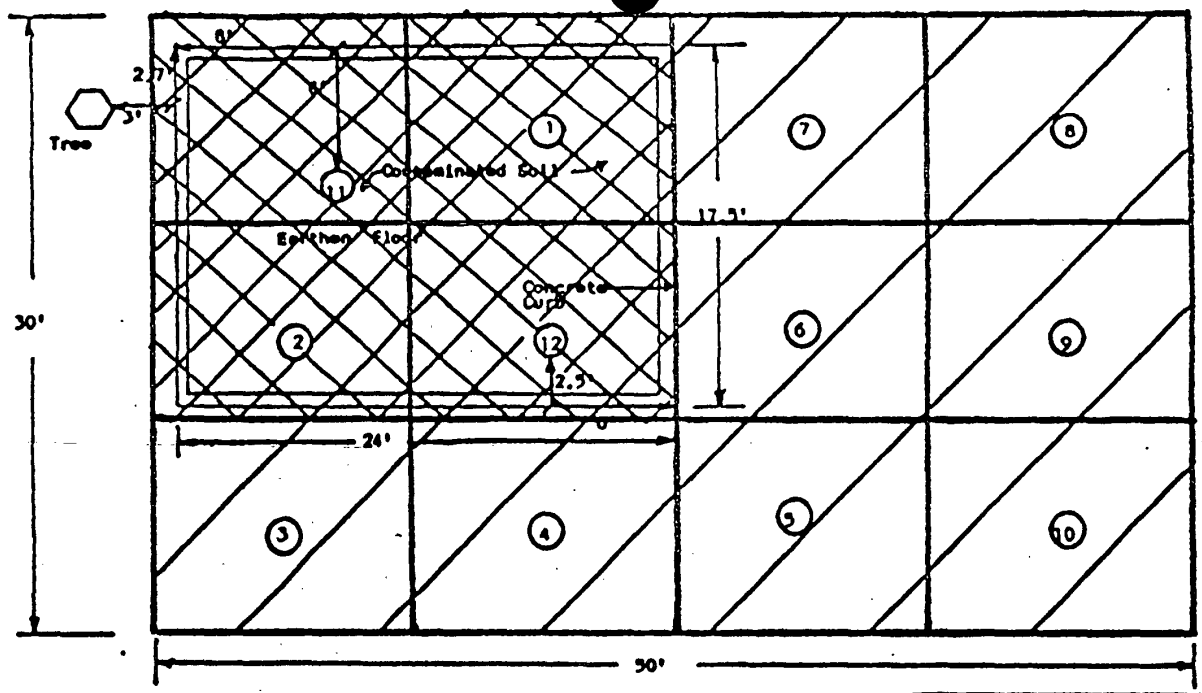
SAMPLE AREA	COMPOSITED CORES	EP TOX LEAD CONTENT (mg/l) 0-1 FT	1-2 FT	2-3 FT
FUEL STORAGE (FS)	1-12	29.0	8.3	1.2
MACHINE SHOP (MS)	1-20	0.9	0.4	-
TUBING INSPECTION (TI)	1-12	69.0	0.2	-
FRONT CASING TEST (FC)	1-9	35.0	1.5	-
REAR CASING TEST (RC)	1-9	51.0	1.3	-
CASING INSPECTION (CI)	1-16	19.8	4.9	-

PARTIAL AREA COMPOSITES

SAMPLE AREA	COMPOSITED CORES	EP TOX LEAD CONTENT (mg/l) 0-1 FT	1-2 FT	2-3 FT
FUEL STORAGE (FS)	3-10	2.5	-	-
TUBING INSPECTION (TI)	2-6,12	35.3	-	-
FRONT CASING TEST (FC)	1,4,5	1.5	-	-
REAR CASING TEST (RC)	1,4,5	12.8	-	-
CASING INSPECTION (CI)	1,2,4,5 8,9,11,12	0.9	-	-

ATTEST [signature]

12-72



KEY

O Sample Point

Contaminated Soil (oil & grease)

Contaminated Soil (lead)

Estimated Volume: 63 cuyds

N

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Fuel Storage Area Duson, LA Facility		
Scale: none	Drawn by: djm	Approved by:
Date: 2/21/90	Drawing No. Figure 1	Rev. No.

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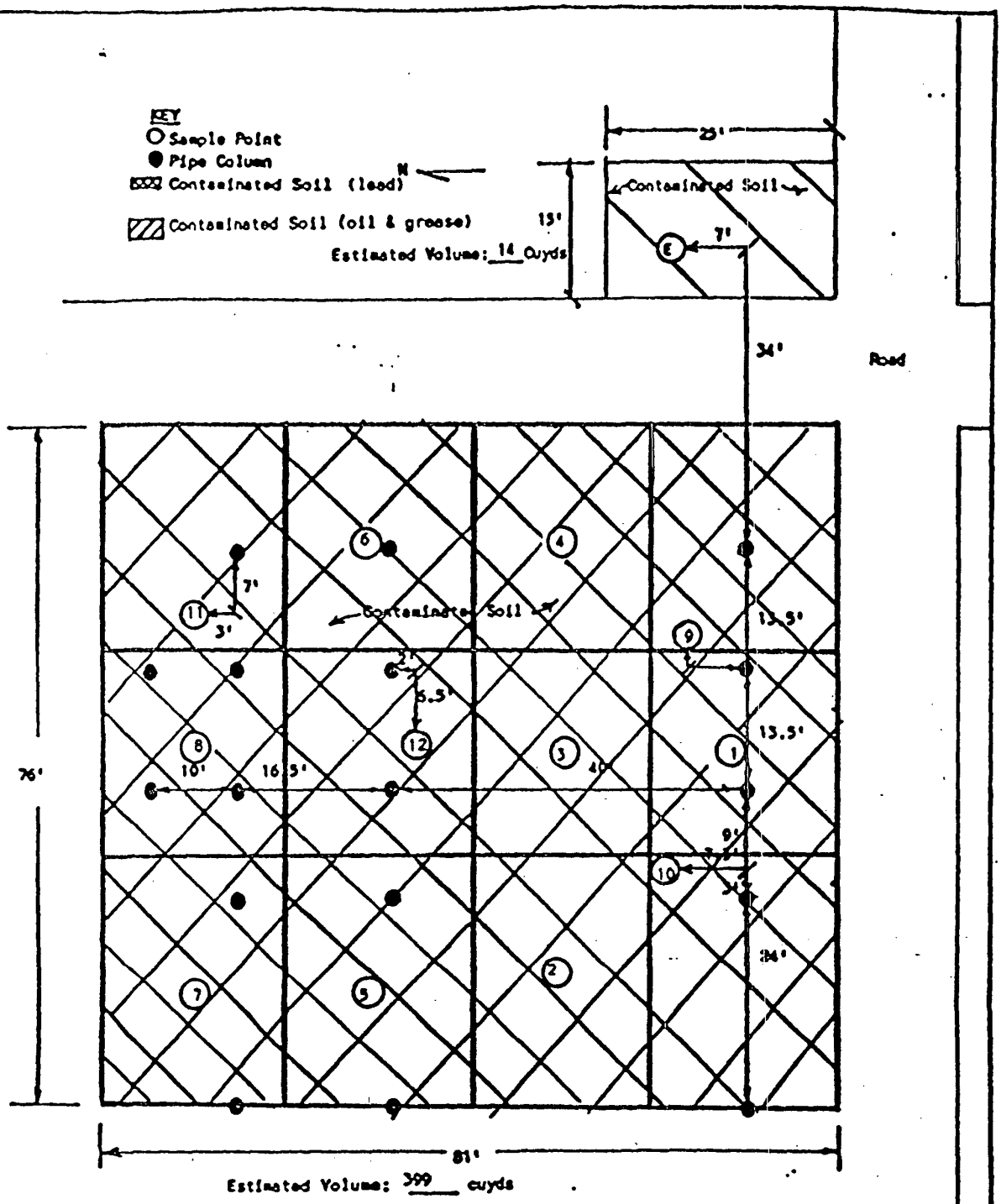
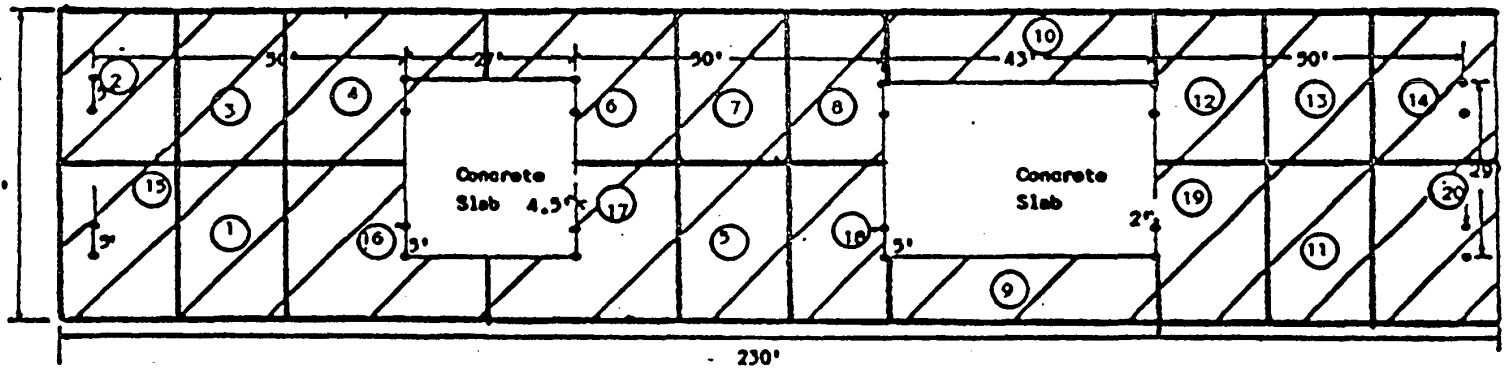
12-73



NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Tubing Inspection and Vehicle Maintenance Duson, LA Facility		
Scale: none	Drawn by: djm	Approved by:
Date: 2/21/90	Drawing No. Figure 3	Rev. No.

12-74



Estimated Volume : 332 Cuyds

N

KEY
- ○ Sample Point
- ● Pipe Column
- ▨ Contaminated Soil (oil & grease)

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Machine Shop Duson, LA Facility		
Scale: none	Drawn by: djm	Approved by:
Date: 2/21/90	Drawing No. Figure 4	Rev. No.

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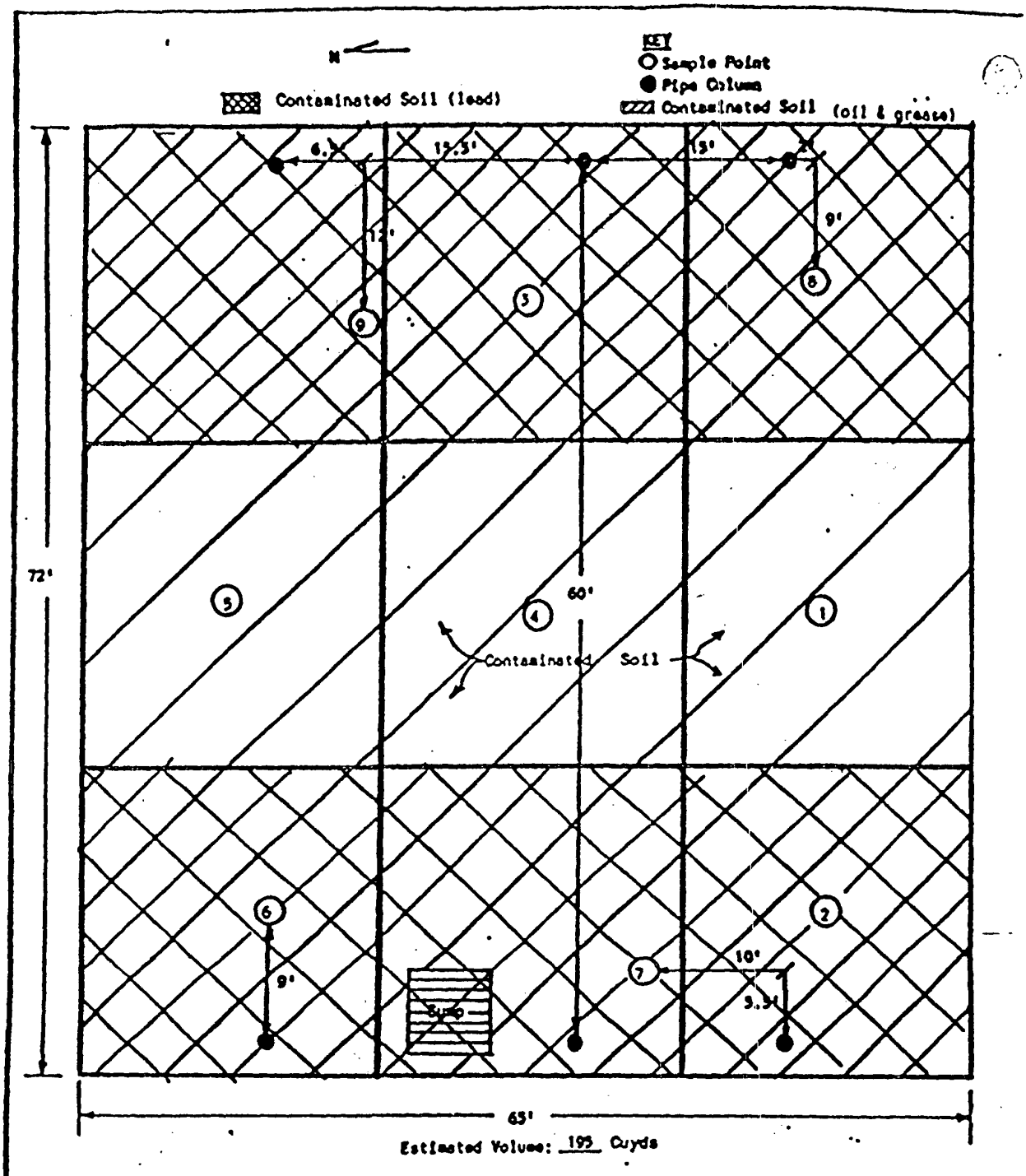
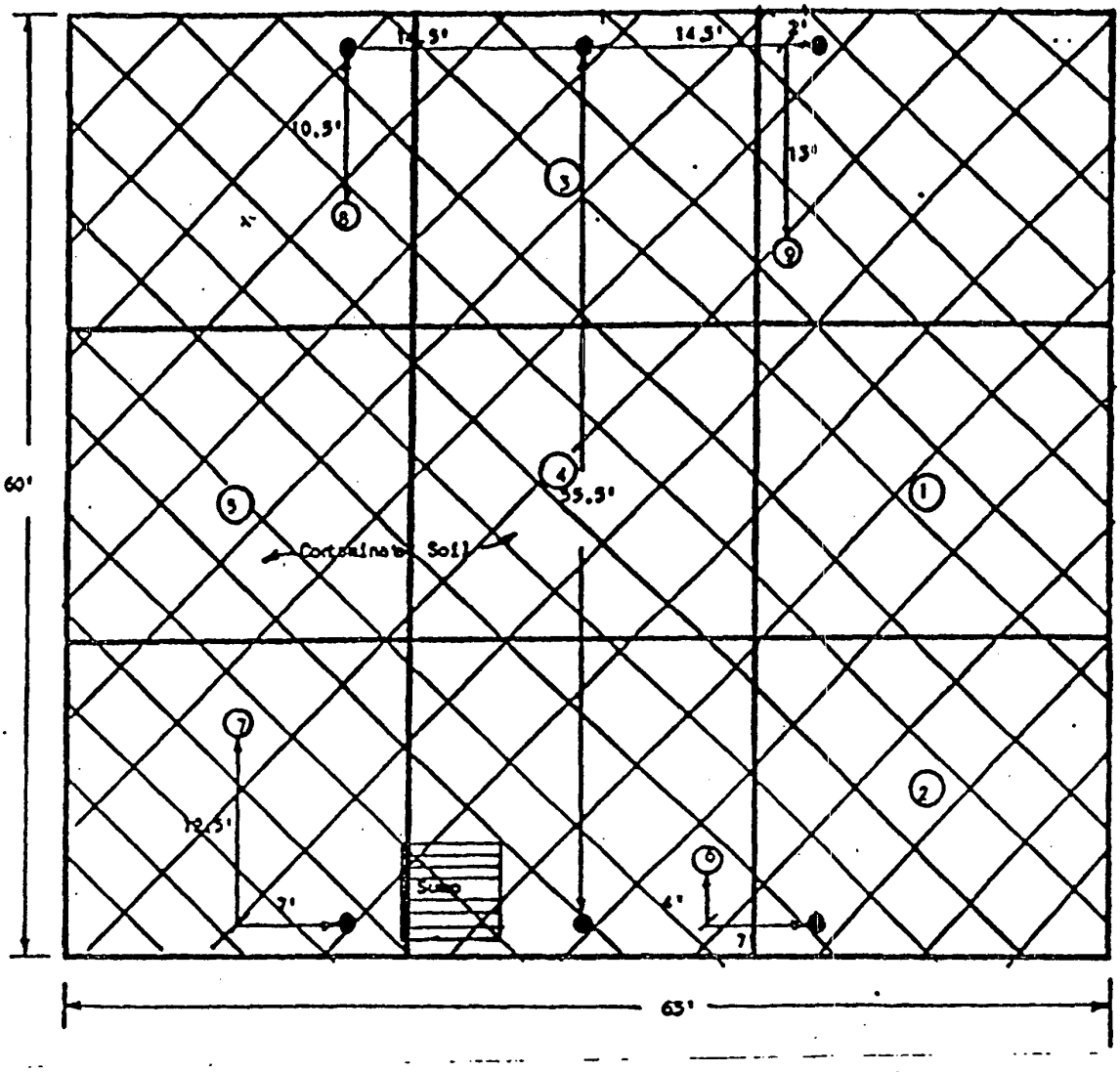
ecology and environment



NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Front Casing Hydrotesting Area Duson, LA Facility		
Scale: none	Drawn by: ale	Approved by:
Date: 2/20/90	Drawing No. Figure 9	Rev. No.

12-76



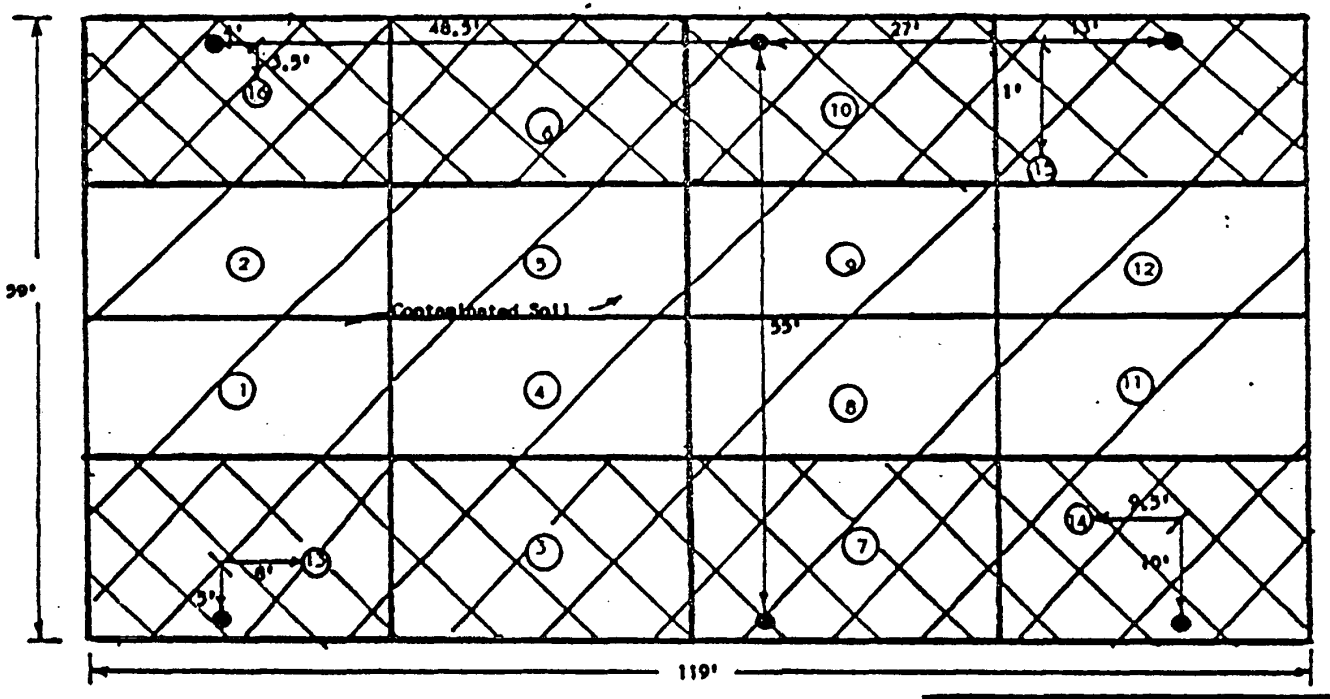
Estimated Volume: 235 Cuyds

KEY
- ○ Sample Point
- ● Pipe Column
- ▨ Contaminated Soil (lead)

N

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Rear Casing Hydrotesting Area Duson, LA Facility		
Scale: none	Drawn by: dja	Approved by:
Date: 2/21/90	Drawing No. Figure 6	Rev. No.



Estimated Volume: 260 Cuyds

N

KEY
- ○ Sample Point
- ● Pipe Column
- Contaminated Soil (oil & grease)
- Contaminated Soil (lead)

NEWPARK ENVIRONMENTAL SERVICES INC.

Title: Cactus Pipe and Supply Casing Inspection Area Dugan, LA Facility		
Scale: none	Drawn by: djm	Approved by:
Date: 2/21/90	Drawing No. Figure 7	Rev. No.

82-78

Exhibit

1990 NORM Survey

Cactus Pipe & Supply
P.O. Box 24069 | Houston, TX 77013 | Telephone 713 675-0911 | Telex 76-2708

GEO
Cactus
Pipe & Supply

October 17, 1990

Mike D. McDaniel, Ph.D.
Assistant Secretary
Nuclear Energy Division
LA Dept. of Environmental Quality
Post Office Box 14690
Baton Rouge, LA 70898-4690

RE: NORM Survey

Dear Sir:

Please accept, in response to your letter of Sept. 6, 1990, the enclosed report describing the NORM survey conducted at the Cactus Pipe & Supply facility located on LA Highway 724 (Fieldspan Road), near Duson, LA.

The report details the results of NORM readings (uR/hr) collected onsite using a Model 3-97 Survey Meter manufactured by Ludlum Measurements, Inc., of Sweetwater, TX. Also included in the report are Radium-226 results (pCi/g) obtained from soil core samples collected from the tubing cleaning/testing area. Soil coring was conducted in this area since it had been found to contain radiation levels greater than 50 uR/hr by DEQ personnel during a recent site inspection.

Sincerely,
Cactus Pipe & Supply

William L. "Pat" Ready
Branch Manager

enclosure

12-80

Branch Sales Office | P.O. Box 51963-OCS | Lafayette, La. 70501 | Telephone 318 233-4188

CACTUS PIPE & SUPPLY
DUSON, LA
NORM SURVEY

PROCEDURE

The Cactus Pipe & Supply facility located on LA Highway 724 (Fieldspan Road), near Duson, LA, was surveyed for the presence of naturally occurring radioactvie materials (NORM), using a Model 3-97 Survey Meter (Ludlum Measurements, Sweetwater, TX). Readings were collected from soil, equipment, and stored pipe goods at the facility.

Measurements were collected in accordance with survey guidelines provided by the Nuclear Energy Division of the LA DEQ. Readings were recorded from soil, equipment and tubulars by placing the meter as close to the potential source as practicably possible. For soil readings the meter was held no further than two feet above the surface of the soil. For equipment and tubular goods, the meter was held within several inches of the surface of the item being monitored. Meter readings were read continuously, and recorded at regular intervals. When areas of elevated activity (>50 uR/hr) were observed, those areas were subjected to more frequent readings over smaller intervals.

Since soil in the tubing cleaning/testing area was previously identified by the DEQ as potentially contaminated, this area was cored for laboratory analysis of the Radium-226 content of the soil. The area was divided into grids measuring approximately 30'x 30', then each grid was cored in at least five locations. These cores were assembled into composites representing each grid. Cores were collected over 15 cm intervals, from ground level down to a total depth of 60 cm.

Portions of the soil in the tubing area had been excavated, prior to the site inspection conducted by your office, to transport this material for disposal offsite under the LA DEQ Hazardous Waste Regulations. This soil was stockpiled onsite at the rear of the facility while disposal arrangements were finalized. Samples of this stockpiled soil were also collected for determination of its Radium-226 content, since it was removed from an area that had been identified by your office as being NORM-contaminated.

CACTUS PIPE & SUPPLY
DUSON, LA
NORM SURVEY

SURVEY RESULTS

Figure 1 illustrates the general layout of the Cactus facility near Duson, LA. Property dimensions, buildings and structures, and working and storage areas are identified. Most of the property is devoted to the storage of tubular goods, and consists of racks for handling casing, tubing, and drill pipe. Cactus also conducts cleaning, testing, inspecting, and machining operations on tubular goods at this site. Cactus has ceased all operations involving used tubulars from production operations. Cactus currently handles only used pipe from drilling applications, which are not typically associated with NORM contamination.

Current operations at this site are restricted primarily to the front two-thirds of the property. The rear third is used entirely for pipe storage. The NORM survey included all work areas and storage areas at the Cactus facility. With the exception of tubing cleaning equipment, all NORM activity identified at the Cactus site was restricted to soil contamination. No contaminated tubular goods were identified during this survey.

Figure 2 summarizes the findings of the NORM survey. Shaded areas of Figure 2 are those in which meter readings exceeded 50 uR/hr, or in which Radium-226 levels exceeded DEQ limits for soil contamination. Shaded areas are individually illustrated, and actual survey meter readings are provided for all "hot spots", as shown in Figures 3-8 of this report. Meter readings taken in noncontaminated areas (10-50 uR/hr) were not individually listed in the figures.

Contaminated equipment (>50 uR/hr) was found in the tubing cleaning/testing area (Figure 3). This equipment was used in the past for cleaning used production tubing. Figure 3 also illustrates the results of R-226 analyses performed on soil cores collected from this area. Full test results are attached to this report. Grids A,B,C were found to contain R-226 at regulated levels. Grid A was contaminated to a depth of 45 cm, grid B to 30 cm, and grid C to 15 cm. Soils from grids D,E,F were determined not to be contaminated.

Portions of soils from this and other areas of the Cactus site had been excavated for management as hazardous waste. These soils were stockpiled at the rear of the site, as shown in Figure 4. Survey readings for the westernmost 100' of the large soil pile indicated measurements > 50 uR/hr.

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CACTUS PIPE & SUPPLY
DUSON, LA
NORM SURVEY

Composite samples of stockpiled soils were collected for analysis for Radium-226 content. Three separate soil composites were collected, representing (a) the westernmost 100' of the large soil pile, (b) the easternmost 60' of the large pile, and (c) the entire small pile. Radium-226 testing indicated that the westernmost 100' of the large soil pile contained Radium-226 at a level of 196 pCi/g; the easternmost 60' contained 14 pCi/g, and the small soil pile contained 4 pCi/g. Analytical results are attached to this report. Hill 1 is the large soil pile, while Hill 2 is the small soil pile shown in Figure 4.

Figure 5 illustrates the NORM contamination found in the area toward the front of the Cactus facility where used tubing was formerly stored. This area of the site was found to contain the greatest NORM contamination outside of the tubing cleaning/testing area shown in Figure 3. A number of "hot spots" were detected with the survey meter, ranging up to a maximum of 270 uR/hr. Contamination was restricted to the outer perimeters of the storage racks, where pipe scales removed from the interiors of the pipe would have fallen.

Figure 6 illustrates the NORM contamination found in the area of the machine shop and casing hydrostatic test area. The highest individual survey meter reading (600 uR/hr) outside of the tubing cleaning area was detected in this area of the facility.

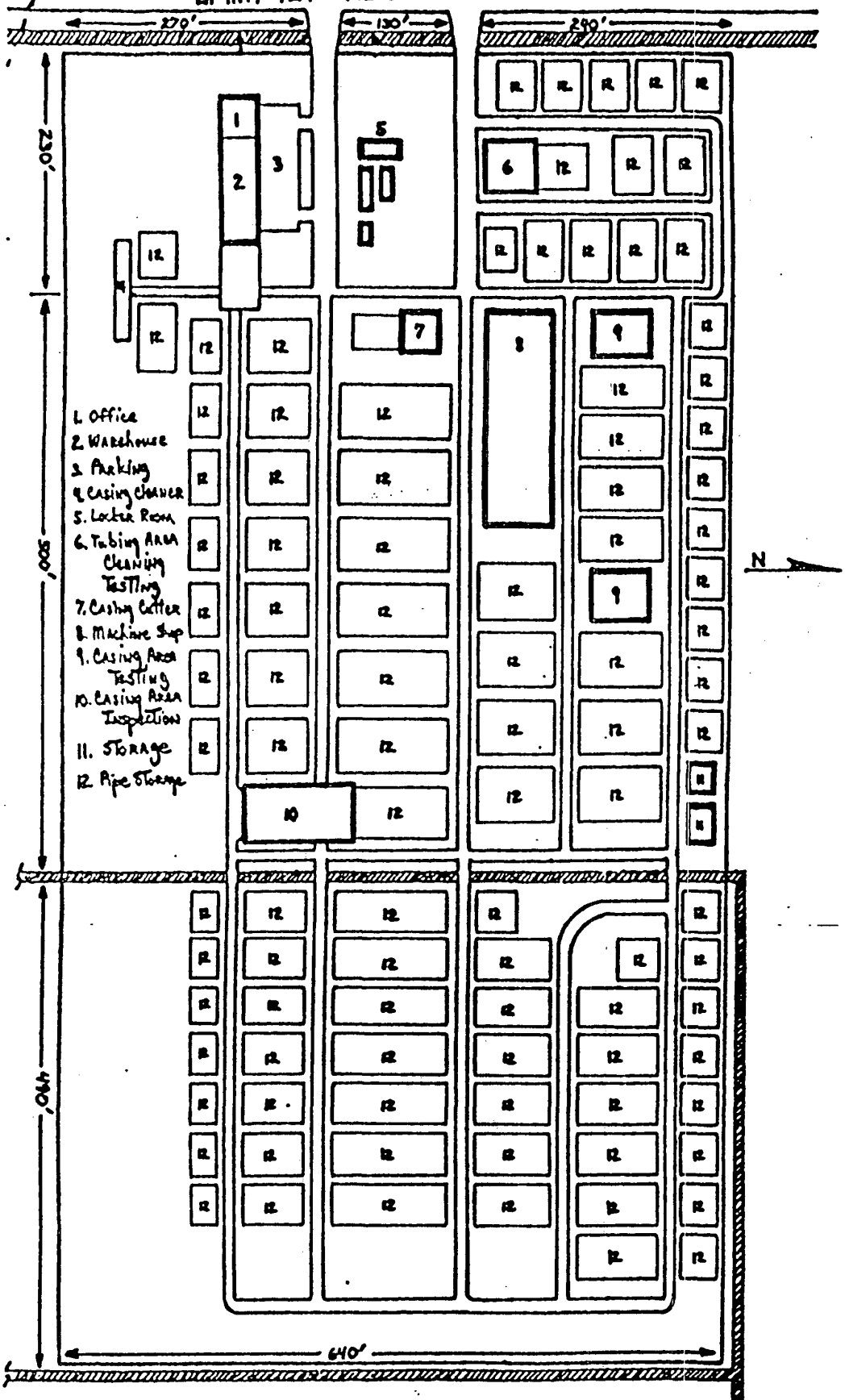
Figure 7 illustrates the NORM contamination detected in the rear casing hydrostatic testing area. Levels of NORM activity ranged up to 500 uR/hr in this area. Figure 8 provides similar findings for the rear third of the Cactus facility. Several very small "hot spots" were found in this area, ranging up to 250 uR/hr.

The remainder of the Cactus facility, as shown in Figure 2, was determined to be free of NORM contamination. Survey meter readings in these areas ranged consistantly from 10-50 uR/hr.

CACTUS PIPE & SUPPLY

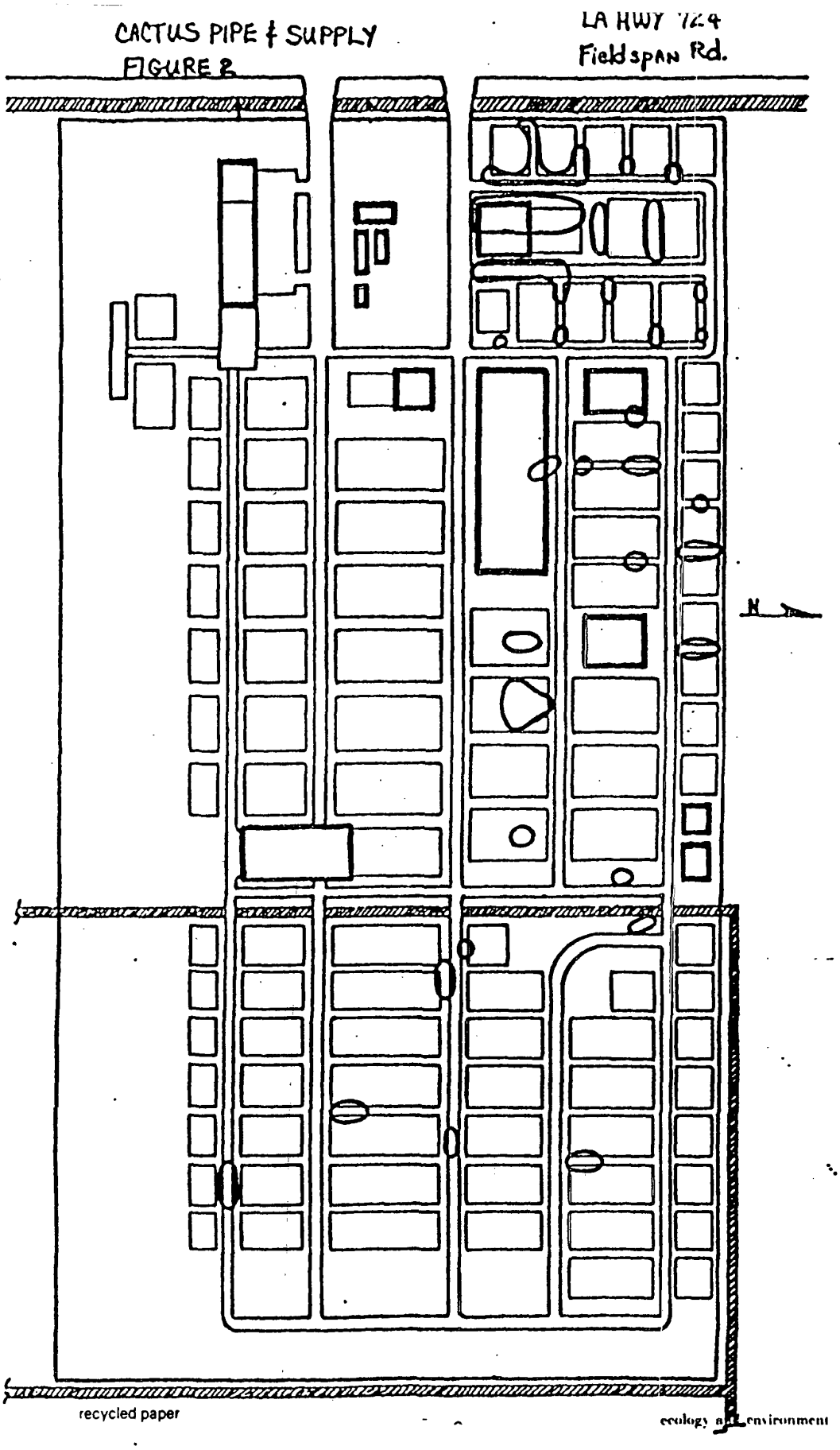
LA HWY 724 FIELDSPAN RD

FIGURE 1



12-84

CACTUS PIPE & SUPPLY
FIGURE 2



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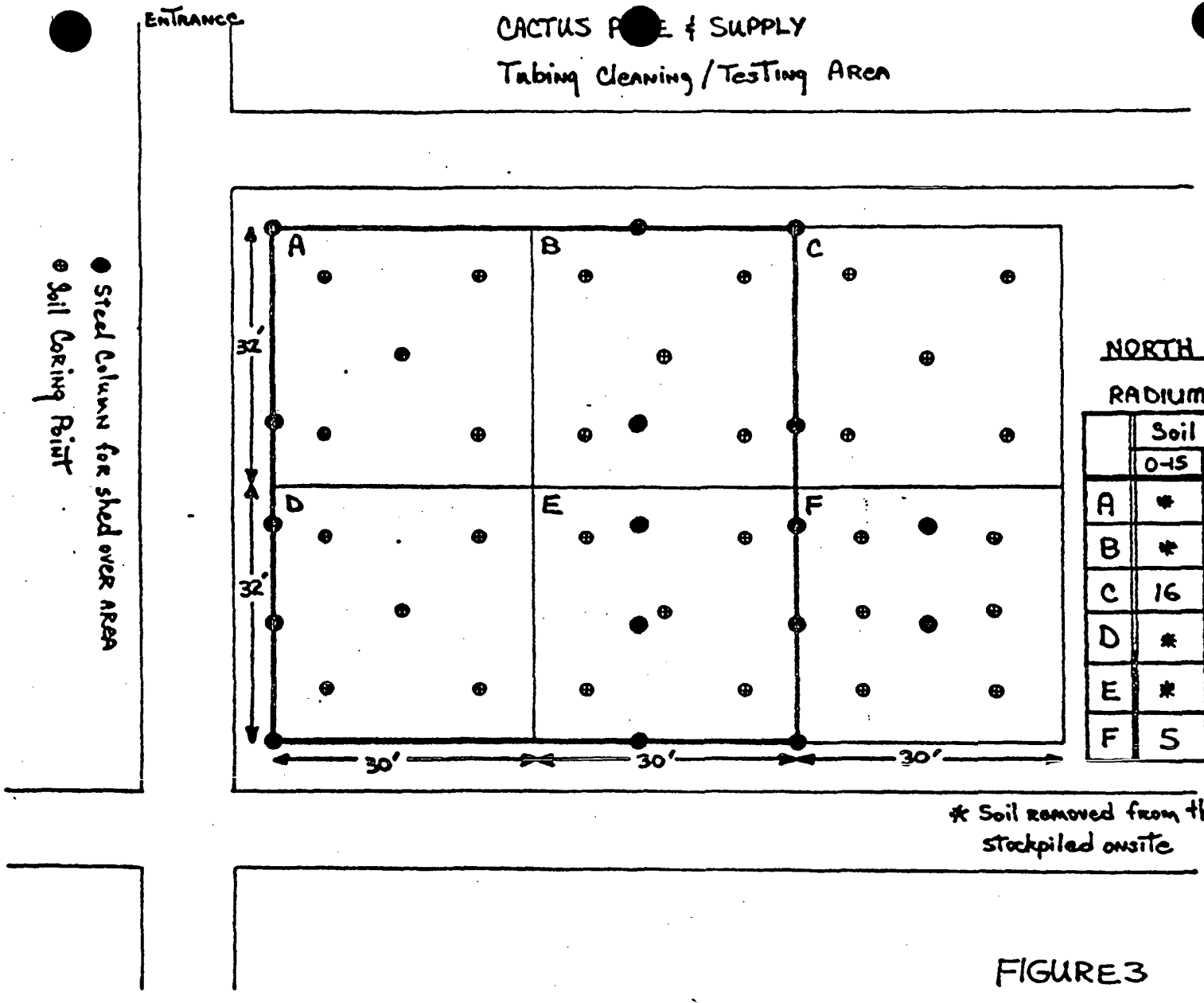
CACTUS P[illegible]E & SUPPLY

Tubing Cleaning / Testing Area



RADIUM 226 pCi/g

	Soil Depth, cm			
	0-15	15-30	30-45	45-60
A	*	163	30	8
B	*	39	9	2
C	16	6	6	2
D	*	7	5	3
E	*	1	1	1
F	5	0	2	2

* Soil removed from this area and stockpiled onsite

FIGURE 3

12-86

000257

CACTUS
PIPE & SUPPLY

FIGURE 4

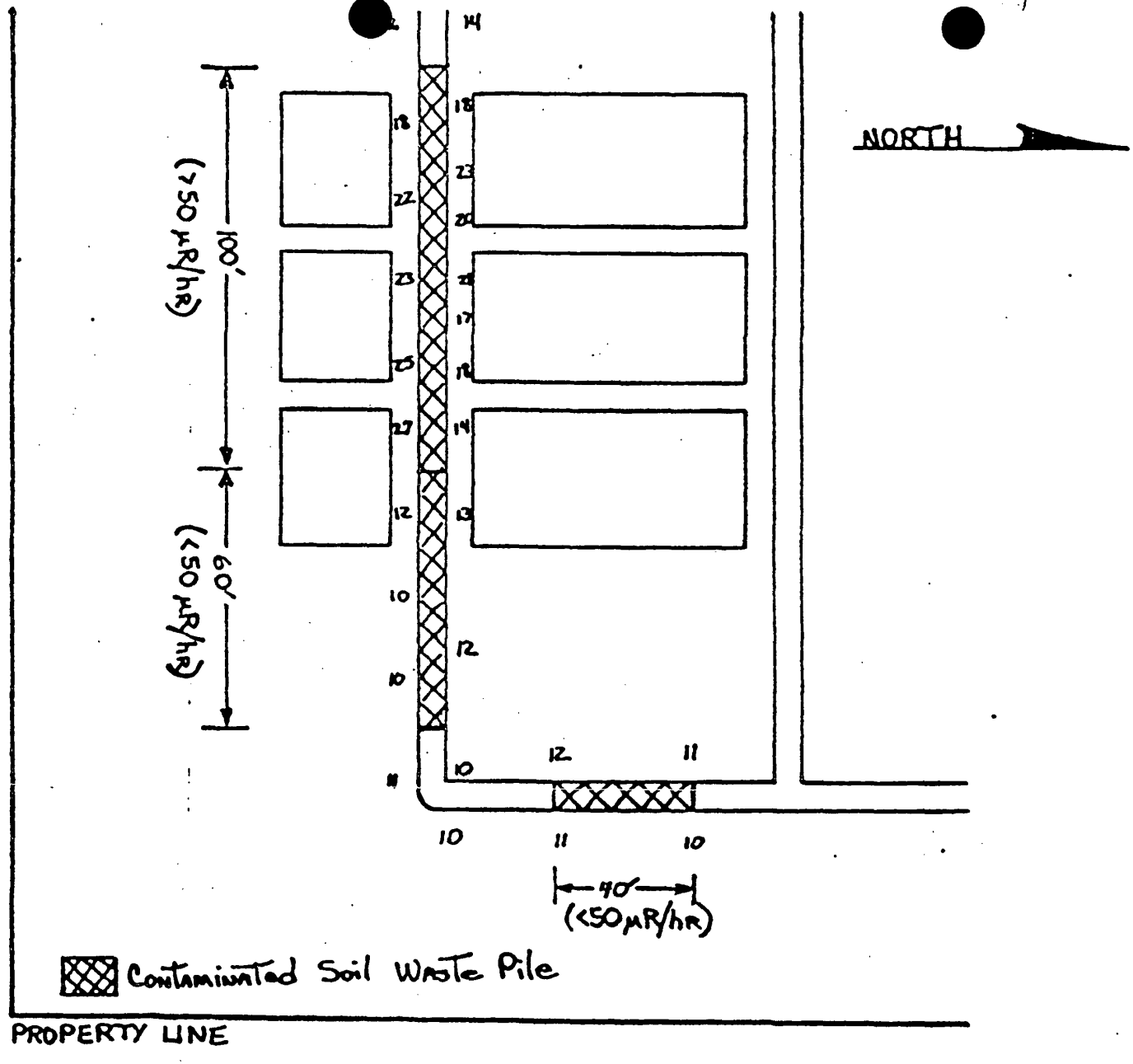


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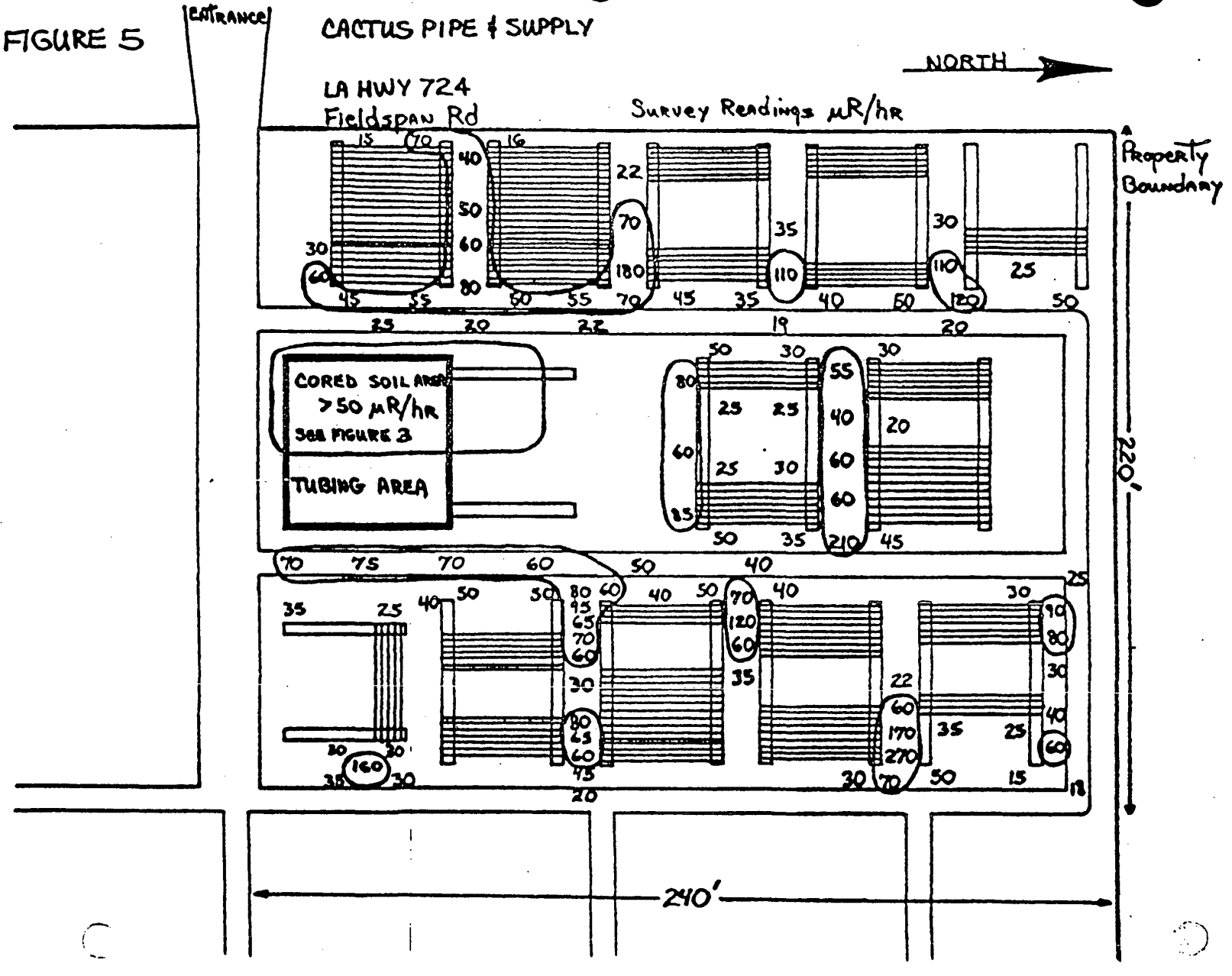
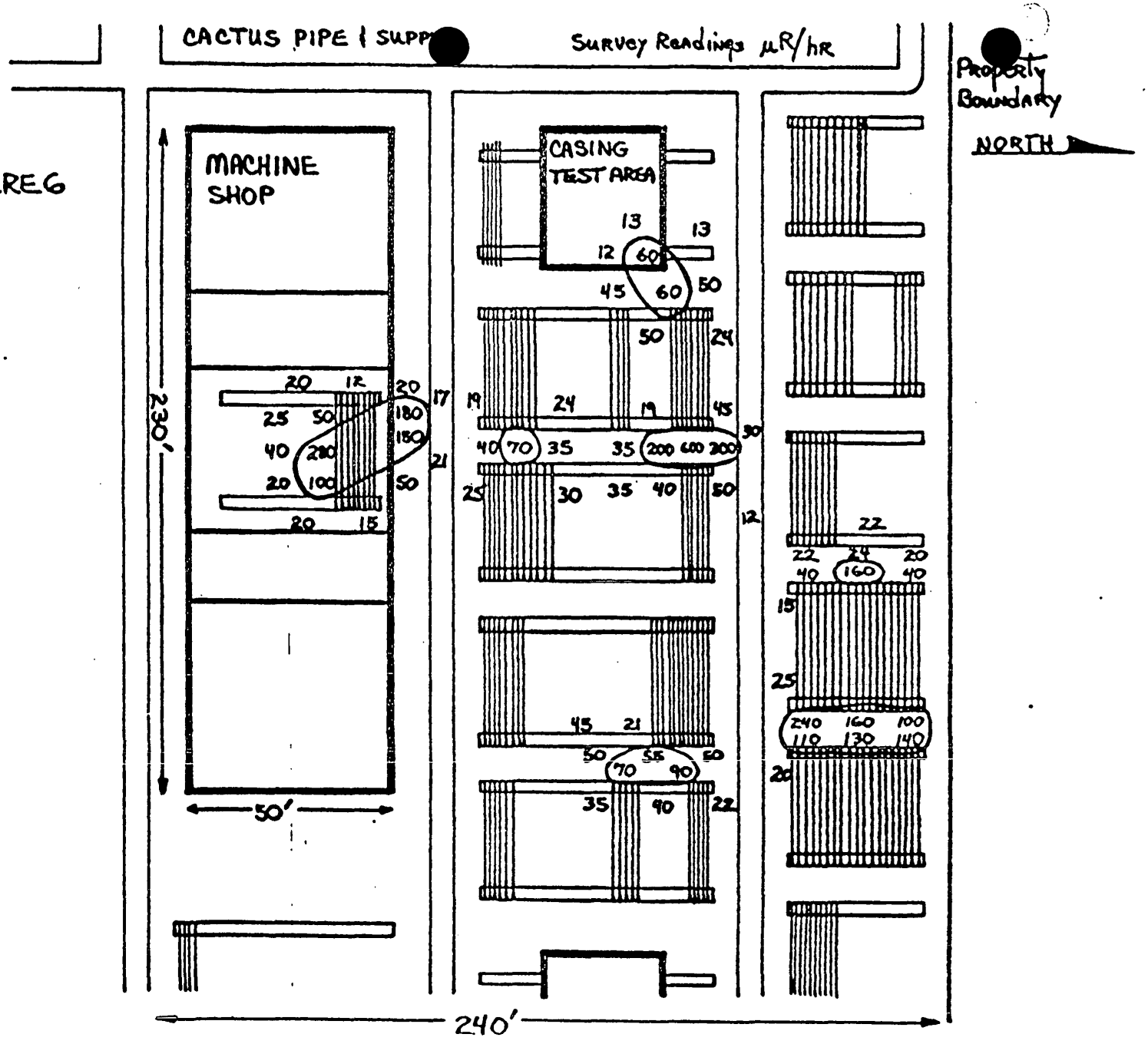
FIGURE 5



10-88

FIGURE 6



12-89

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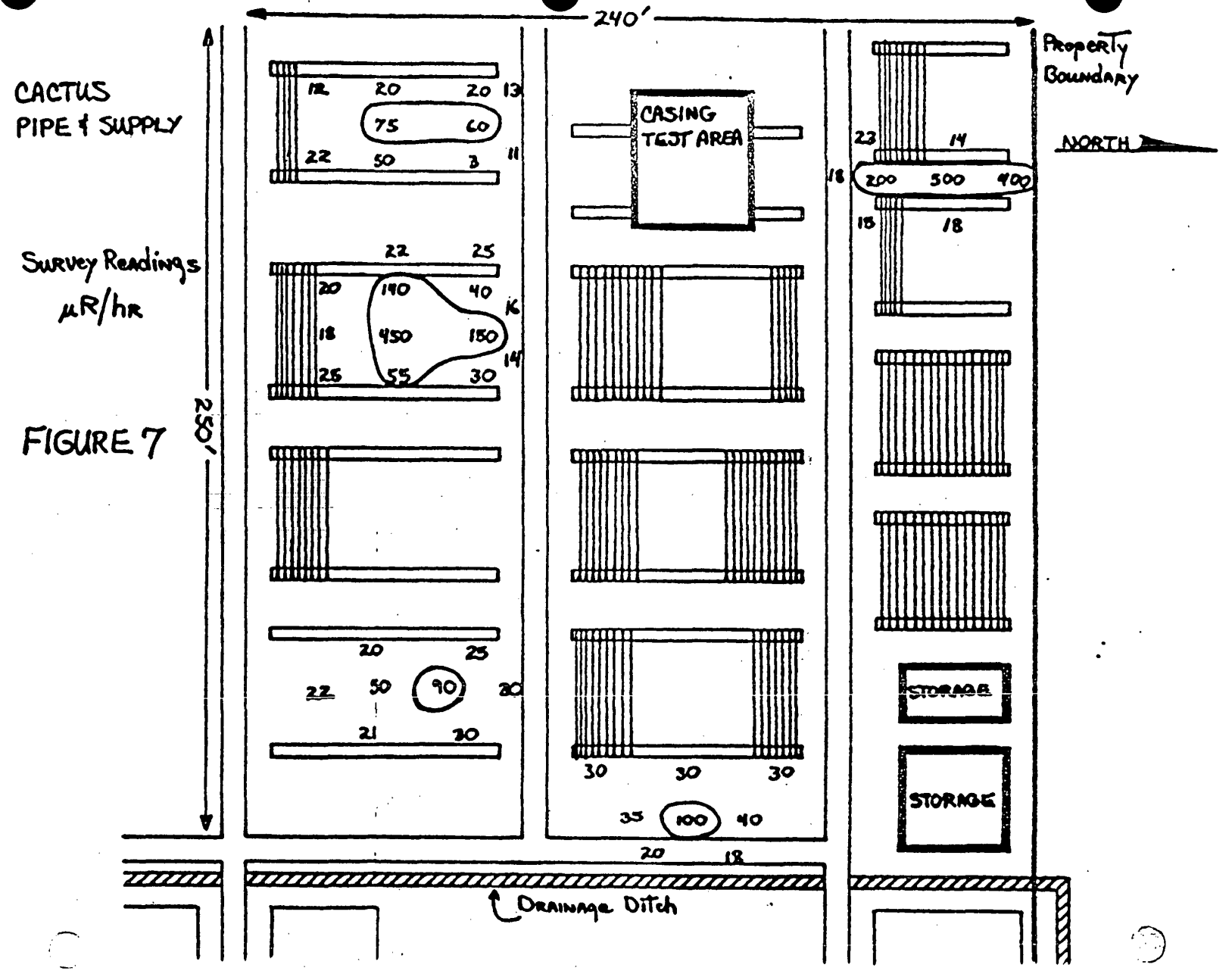
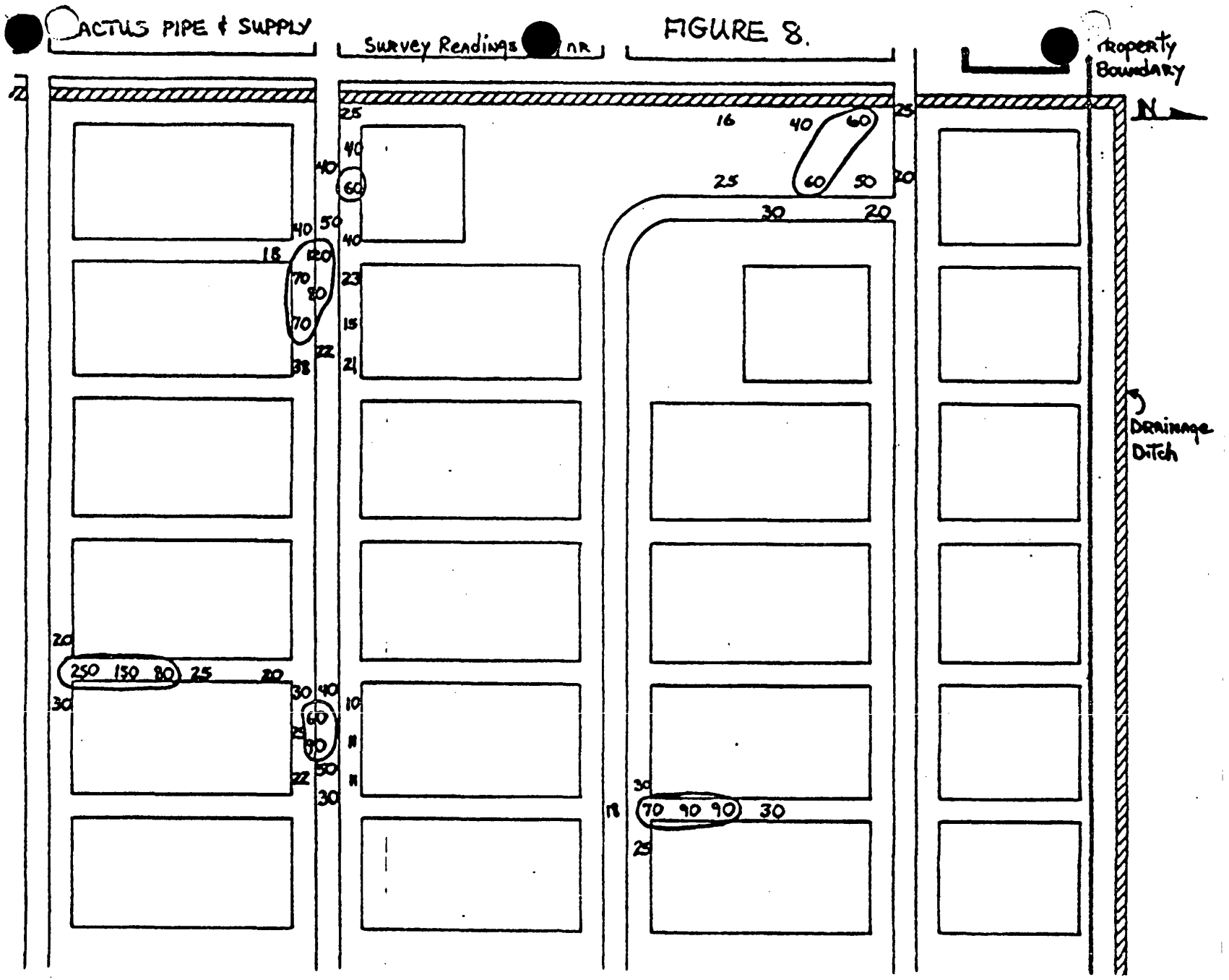

240'
250'
CACTUS
PIPE & SUPPLY
Survey Readings
μR/hr
CASING
TEST AREA
Property
Boundary
NORTH
STORAGE
STORAGE
Drainage Ditch
12
20
20
13
75
60
22
50
3
11
22
25
20
140
40
K
18
450
150
14
25
55
30
20
25
22
50
90
30
21
20
30
30
30
35
100
40
20
18
23
14
18
200
500
400
15
18

FIGURE 7



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12-91

P.O.BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

CACTUS PIPE AND SUPPLY
LOCATION: DUSON
SAMPLE DESCRIPTION: TUBING INSPECTION AREA

AUGUST 28, 1990
LAB #: 1LA-3573

CORE #	GROSS cpm	BKG cpm	NET cpm	WET SAMPLE MASS (grams)	Ra-226 pCi/g	ERROR @ 2 S.D. pCi/g
A 6-12"	461	58	403	7.73	163	+2.0
A 12-18"	105	58	47	4.98	30	+2.0
A 18-24"	71	58	13	5.26	8	+1.0
B 6-12"	144	58	86	6.86	39	+1.0
B 12-18"	72	58	14	5.15	9	+1.0
B 18-24"	62	58	4	5.69	2	+1.0
C 0-6"	81	58	23	4.59	16	+2.0
C 6-12"	66	58	8	4.19	6	+2.0
C 12-18"	65	58	7	3.6	6	+2.0
C 18-24"	61	58	3	4.02	2	+2.0
D 6-12"	72	58	14	6.43	7	+1.0
D 12-18"	69	58	11	7.06	5	+1.0
D 18-24"	63	58	5	5.25	3	+1.0
E 6-12"	59	58	1	5.85	1	+1.0
E 12-18"	61	58	3	6.86	1	+1.0
E 18-24"	6	58	2	6.49	1	+1.0
F 0-6"	64	58	6	3.82	5	+2.0
F 6-12"	58	58	0	5.85	0	+1.0
F 12-18"	63	58	5	6.53	2	+1.0
F 18-24"	62	58	4	5.53	2	+1.0

ATTEST Philip A. Clark

12-92

P.O.BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

CACTUS PIPE AND SUPPLY
LOCATION: DUSON
SAMPLE DESCRIPTION: WASTE PILE

AUGUST 28, 1990
LAB #: 1LA-3573

CORE #	GROSS cpm	BKG cpm	NET cpm	WET SAMPLE MASS (grams)	Ra-226 pCi/g	ERROR @ 2 S.D. pCi/g
HILL 1 A	426	58	368	5.89	196	+2.0
HILL 1 B	78	58	20	4.62	14	+2.0
HILL 2 A	63	58	5	4.32	4	+2.0

ATTEST [illegible]

CERCLIS No.: LA0000605278

Reference 13

TDD No.: S06-00-02-0022

SETTLEMENT AGREEMENT

This Settlement Agreement ("Agreement") is entered into by and between GEO Pipe Company, a Texas corporation ("GEO Pipe"), and the State of Louisiana, by and through the Department of Environmental Quality, a duly authorized agency of the State ("LDEQ").

WHEREAS, GEO Pipe is presently a debtor-in-possession in Case No. 95B09712, pending in the United States Bankruptcy Court for the Northern District of Illinois, Eastern Division (the "Bankruptcy Court"), styled "In re: GEO Pipe Company f/k/a Cactus Pipe & Supply Co." (the "Bankruptcy Case").

WHEREAS, on May 15, 1995 GEO Pipe filed its Motion to Abandon Property (the "Abandonment Motion") seeking to abandon certain real property located near Duson, Louisiana (the "Louisiana Property"), as more particularly described in the Abandonment Motion.

WHEREAS, on June 1, 1995 the LDEQ filed its State Objection to Debtor's Motion to Abandon Property (the "Abandonment Objection") objecting to the relief requested in the Abandonment Motion.

WHEREAS, GEO Pipe and the LDEQ have engaged in extensive arm's-length negotiations regarding the Abandonment Motion, the Abandonment Objection, and GEO Pipe's Plan of Reorganization dated April 10, 1995 (as amended from time to time, the "Plan") in the Bankruptcy Case.

WHEREAS, GEO Pipe and the LDEQ wish to settle and compromise the disputes between them.

NOW, THEREFORE, in consideration of the mutual agreements and covenants set forth herein, the parties hereto agree as follows:

1. GEO Pipe will pay to the LDEQ (or such other person or entity as the LDEQ shall designate in writing) the sum of $125,000 (the "Settlement Amount"). The Settlement Amount shall be paid on the Effective Date, as such term is defined in the Plan. The Settlement Amount will be treated as an administrative expense to the extent of $69,444.44 and as a distribution on an unsecured claim to the extent of $55,555.56. The LDEQ shall be deemed to hold an allowed claim or claims against the estate in such amounts necessary to provide for a distribution under the Plan in the amounts described in this paragraph.

2. The Settlement Amount shall be used solely and exclusively for the remediation, containment and/or enclosure of the Louisiana Property. The LDEQ shall be free to exercise its discretion in determining the appropriate purposes for the expenditure of the Settlement Amount, provided that all of the Settlement Amount shall be expended for the remediation, containment and/or enclosure of the Louisiana Property.

3. Upon execution of this Agreement and approval of this Agreement by the Bankruptcy Court, the LDEQ will withdraw the Abandonment Objection, and agrees not to object to GEO Pipe's request to abandon the Louisiana Property.

4. GEO Pipe and the LDEQ agree that the Plan provides for the orderly liquidation of all assets of GEO Pipe. GEO Pipe and the LDEQ agree that the Plan provides, upon confirmation, that all assets of GEO Pipe will be transferred to a liquidating trust for the benefit of the creditors of GEO Pipe, to be distributed in accordance with the terms of the Plan. GEO Pipe and the LDEQ agree that the Plan provides, upon confirmation, for the termination of the corporate existence of GEO Pipe, and that neither GEO Pipe nor the liquidating trust will occupy, control, maintain, or conduct business at the Louisiana Property following confirmation of the Plan and approval of the Abandonment Motion. GEO Pipe and the LDEQ agree that the LDEQ will not receive any moneys from the liquidating trust other than the Settlement Amount, and the LDEQ will not assert any claim or interest against the liquidating trust or its assets.

5. The LDEQ will not object to confirmation of the Plan.

6. The effectiveness of this Agreement is conditioned upon confirmation of the Plan and approval of the Abandonment Motion.

7. Upon confirmation of the Plan and payment of the Settlement Amount, that certain compliance order dated July 31, 1995, bearing enforcement tracking number HE-C-95-0207 (the "Compliance Order"), will have no further legal force or effect.

8. Upon execution of this Agreement, and contingent upon (a) confirmation of the Plan, (b) approval of the Abandonment Motion, and (c) payment by GEO Pipe of the Settlement Amount, the parties hereto mutually release each other from any and all claims, demands, causes of action, orders and liabilities of whatever kind or nature which they own or hold as of the date of this Agreement or have at any time previously owned or held; *provided, however*, the foregoing shall in no way impair or impede the ability of the LDEQ to assert any claim or lien against the Louisiana Property; *provided, further*, that, to the extent appropriate under applicable law, GEO Pipe hereby consents to the assertion of any claim or lien by the State of Louisiana and/or the LDEQ against the Louisiana Property.

9. Upon execution of this Agreement, GEO Pipe will promptly seek authorization and approval of this Agreement by appropriate motion to the Bankruptcy Court.

* * * *

13-02

AGREED and ACCEPTED this 22 day of August, 1995 by the undersigned, acting through their duly authorized representative or agent.

GEQ PIPE COMPANY[1]

By: _____
Name: _____
Title: _____

STATE OF LOUISIANA, by the DEPARTMENT OF ENVIRONMENTAL QUALITY

By: _____
Name: _____
Title: _____

[1]Subject to authorization and approval by the United States Bankruptcy Court for the Northern District of Illinois.

CERCLIS No.: LA0000605278

Reference 14

TDD No.: S06-00-02-0022

Summay of Drum Survey Information
Cactus Pipe
Duson, Lafayette Parish, Louisiana

#	Location	Label Info	Drum Size	Top	Closure	Cond.	Contents	Amount	OVA	Ram 4	Misc
D09	Casing Cutter	None	55-gal	C	B	P	Empty	0	None	None	N/A
D010	Casing Cutter	None	55-gal	C	B	P	Empty	0	None	None	N/A
D011	Casing Cutter	None	55-gal	O	None	P	Empty	0	None	None	N/A
D08	Casing Cutter	None	55-gal	O	None	P	1/4	12	None	None	Solid Contents
D013	Casing Cutter	Ignition-Flammable	55-gal	C	B	P	1/4	12	None	None	N/A
D012	Casing Cutter	None	55-gal	C	B	P	Full	50	None	None	N/A
D024	Casing Hydrostatic	None	55-gal	C	B	P	Empty	0	None	None	N/A
D014	Casing Hydrostatic	None	55-gal	O	None	P	Trash	0	None	None	Trash
D015	Casing Hydrostatic	None	55-gal	O	None	P	Trash	0	None	None	Trash
D018	Casing Hydrostatic	None	55-gal	O	None	P	Trash	0	None	None	Trash
D020	Casing Hydrostatic	None	55-gal	O	None	P	Trash	0	None	None	Trash
D021	Casing Hydrostatic	None	55-gal	O	None	P	Trash	0	None	None	Trash
D022	Casing Hydrostatic	None	55-gal	C	None	P	Trash	0	None	None	Trash
D026	Casing Hydrostatic	None	55-gal	O	None	P	Trash	0	None	None	Trash
D023	Casing Hydrostatic	None	55-gal	O	None	P	Trash	0	None	None	Trash
D016	Casing Hydrostatic	None	55-gal	C	B	P	Unknown	0	None	None	N/A
D027	Casing Hydrostatic	None	55-gal	C	B	P	Unknown	0	None	None	N/A
D029	Casing Hydrostatic	None	55-gal	O	None	P	1/4	12	None	None	Solid Contents
D017	Casing Hydrostatic	None	55-gal	O	B	P	1/2	25	None	None	Liquid Contents
D019	Casing Hydrostatic	Container Hazardous When Empty	55-gal	O	B	P	1/2	25	None	None	Solid Contents
D025	Casing Hydrostatic	DTE 26	55-gal	O	B	P	Full	50	None	None	Liquid Contents
D028	Casing Hydrostatic	None	55-gal	C	Unknown	P	Full	50	None	None	Sludge/Tar On Outside Of Drum
D134	Casing Inpection	None	25-gal	O	None	P	Unknown	0	None	None	N/A
D137	Casing Inpection	None	25-gal	O	R	P	1/4	6	None	None	Unknown
D135	Casing Inpection	None	25-gal	C	R	P	Full	25	None	None	Unknown
D136	Casing Inpection	None	25-gal	O	R	P	Full	25	None	None	Unknown
D138	Casing Inpection	None	55-gal	O	B	P	Empty	0	None	None	N/A
D131	Casing Inpection	None	55-gal	O	None	P	Some Trash	0	None	None	N/A
D132	Casing Inpection	None	55-gal	C	B	F	1/2	25	None	None	Unknown

1401

#	Location	Label Info	Drum Size	Top	Closure	Cond.	Contents	Amount	OVA	Ram 4	Misc
D133	Casing Inpection	Hazardous When Empty	55-gal	C	B	F	Full	50	None	None	Unknown
D96	Drum Pile	Oilfield Chemical and Minerals	55-gal	C	B	F	Empty	0	None	None	N/A
D97	Drum Pile	None	55-gal	C	B	F	Empty	0	None	None	N/A
D98	Drum Pile	Oilfield Chemical and Minerals	55-gal	C	B	F	Empty	0	None	None	N/A
D101	Drum Pile	None	55-gal	C	B	P	Empty	0	None	None	N/A
D105	Drum Pile	None	55-gal	C	B	P	Empty	0	None	None	N/A
D107	Drum Pile	None	55-gal	C	B	P	Empty	0	None	None	N/A
D111	Drum Pile	None	55-gal	C	B	P	Empty	0	None	None	N/A
D112	Drum Pile	Hazardous When Empty	55-gal	C	B	F	Empty	0	None	None	N/A
D113	Drum Pile	None	55-gal	C	B	P	Empty	0	None	None	N/A
D114	Drum Pile	Oilfield Chemical and Minerals	55-gal	C	B	F	Empty	0	None	None	N/A
D118	Drum Pile	None	55-gal	C	B	F	Empty	0	None	None	Empty/Tar on Top
D120	Drum Pile	Magcobar	55-gal	C	B	F	Empty	0	None	None	N/A
D127	Drum Pile	None	55-gal	O	B	P	Empty	0	None	None	N/A
D106	Drum Pile	None	55-gal	O	None	P	Trash	0	None	None	Trash
D110	Drum Pile	None	55-gal	O	B	F	1/4	12	None	None	Unknown
D121	Drum Pile	Magcobar	55-gal	O	B	P	1/4	12	None	None	Liquid Contents
D99	Drum Pile	Oilfield Chemical and Minerals	55-gal	C	B	F	1/2	25	None	None	Liquid Contents
D108	Drum Pile	National Chemicals	55-gal	C	B	P	1/2	25	None	None	Unknown
D109	Drum Pile	Hazardous When Empty	55-gal	O	B	P	1/2	25	None	None	Unknown
D119	Drum Pile	None	55-gal	C	B	F	1/2	25	None	None	Unknown contents
D122	Drum Pile	None	55-gal	C	B	F	1/2	25	None	None	Unknown
D123	Drum Pile	None	55-gal	C	B	F	1/2	25	None	None	Unknown
D100	Drum Pile	None	55-gal	O	B	F	Full	50	None	None	Liquid Contents
D102	Drum Pile	None	55-gal	nkno	Unknown	F	Full	50	None	None	Unknown
D103	Drum Pile	None	55-gal	O	B	F	Full	50	None	None	Unknown
D104	Drum Pile	None	55-gal	O	B	P	Full	50	None	None	Unknown
D115	Drum Pile	None	55-gal	C	B	P	Full	50	None	None	Unknown
D116	Drum Pile	Oilfield Chemical and Minerals	55-gal	C	B	P	Full	50	None	None	Unknown Contents

14-03

#	Location	Label Info	Drum Size	Top	Closure	Cond.	Contents	Amount	OVA	Ram 4	Misc
D117	Drum Pile	None	55-gal	C	B	F	Full	50	None	None	Unknown Contents/Tar onTop
D124	Drum Pile	None	55-gal	C	B	F	Full	50	None	None	Unknown
D125	Drum Pile	None	55-gal	C	B	F	Full	50	None	None	Unknown
D126	Drum Pile	None	55-gal	C	B	P	Full	50	None	None	Unknown
D128	Drum Pile	Oilfield Chemical and Minerals	55-gal	C	B	F	Full	50	None	None	Unknown Contents
D01	Machine Shop	None	55-gal	O	None	P	Empty	0	None	None	N/A
D03	Machine Shop	None	55-gal	O	B	P	Empty	0	None	None	N/A
D02	Machine Shop	None	55-gal	nkno	B	P	Unknown	0	None	None	Upside Down
D04	Machine Shop	Mobilmet S 122	55-gal	O	B	P	Full	50	None	None	Liquid Contents
D06	Machine Shop	Multipurpose ATF	5-gal	C	N/A	F	Empty	0	None	None	Transmission
D07	Machine Shop	None	5-gal	O	None	P	1/2	2	None	None	Sludge
D05	Machine Shop	Multipurpose ATF	5-gal	O	N/A	F	Full	5	None	None	Transmission
D142	Scattered	None	25-gal	O	R	F	Empty	0	None	None	Upside Down
D168	Scattered	None	55-gal	O	O	F	Trash	0	None	None	N/A
D140	Scattered	None	55-gal	(-)	B	F	Empty	0	None	None	N/A
D89	Scattered	None	55-gal	O	B	P	Empty	0	None	None	N/A
D90	Scattered	None	55-gal	O	B	P	Empty	0	None	None	N/A
D91	Scattered	None	55-gal	O	B	P	Empty	0	None	None	N/A
D93	Scattered	None	55-gal	O	B	P	Empty	0	None	None	N/A
D92	Scattered	None	55-gal	C	B	P	Unknown	0	None	None	N/A
D141	Scattered	None	55-gal	O	R	P	Trash	0	None	None	N/A
D130	Scattered	None	55-gal	O	B	P	Empty	0	None	None	N/A
D87	Scattered	None	55-gal	O	B	P	Empty	0	None	None	N/A
D139	Scattered	None	55-gal	C	B	P	Empty	0	None	None	N/A
D81	Scattered	None	55-gal	C	B	P	Empty	0	None	None	N/A
D84	Scattered	None	55-gal	O	None	P	Empty	0	None	None	N/A
D85	Scattered	None	55-gal	C	B	P	Empty	0	None	None	N/A
D82	Scattered	None	55-gal	O	None	P	Trash	0	None	None	N/A
D83	Scattered	None	55-gal	O	None	P	Trash	0	None	None	N/A
D94	Scattered	None	55-gal	O	None	P	Trash	0	None	None	N/A
D95	Scattered	None	55-gal	O	None	P	Trash	0	None	None	N/A

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#	Location	Label Info	Drum Size	Top	Closure	Cond.	Contents	Amount	OVA	Ram 4	Misc
D169	Scattered	Motor Oil	55-gal	O	B	F	Empty	0	None	None	N/A
D86	Scattered	None	55-gal	nkno	Unknown	P	1/2	25	None	None	Liquid Contents
D129	Scattered	None	55-gal	C	B	P	Full	50	None	None	Unknown
D88	Scattered	None	55-gal	nkno	Unknown	P	Full	50	None	None	Upside Down
D48	Storage Shed	None	55-gal	O	B	P	Empty	0	None	None	N/A
D52	Storage Shed	None	55-gal	nkno	B	P	Empty	0	None	None	Upside Down
D55	Storage Shed	None	55-gal	O	B	P	Empty	0	None	None	Upside Down
D56	Storage Shed	None	55-gal	O	B	P	Empty	0	None	None	N/A
D57	Storage Shed	None	55-gal	O	B	P	Empty	0	None	None	Upside Down
D58	Storage Shed	None	55-gal	nkno	Unknown	P	Empty	0	None	None	Upside Down
D59	Storage Shed	None	55-gal	C	B	P	Empty	0	None	None	N/A
D60	Storage Shed	None	55-gal	O	B	P	Empty	0	None	None	N/A
D61	Storage Shed	None	55-gal	O	B	P	Empty	0	None	None	N/A
D62	Storage Shed	None	55-gal	O	B	P	Empty	0	None	None	N/A
D65	Storage Shed	None	55-gal	O	None	P	Empty	0	None	None	Open on Both Ends
D	Storage Shed	None	55-gal	O	None	F	Empty	0	None	None	N/A
D72	Storage Shed	None	55-gal	O	None	F	Empty	0	None	None	N/A
D75	Storage Shed	None	55-gal	O	None	P	Empty	0	None	None	N/A
D76	Storage Shed	None	55-gal	O	None	P	Empty	0	None	None	N/A
D77	Storage Shed	None	55-gal	O	None	P	Empty	0	None	None	N/A
D78	Storage Shed	None	55-gal	O	None	P	Empty	0	None	None	N/A
D79	Storage Shed	None	55-gal	O	None	P	Empty	0	None	None	N/A
D30	Storage Shed	None	55-gal	O	None	P	Trash	0	None	None	Trash
D31	Storage Shed	None	55-gal	O	None	P	Trash	0	None	None	Trash
D50	Storage Shed	None	55-gal	O	N/A	P	Trash	0	None	None	Trash
D69	Storage Shed	None	55-gal	O	None	F	Trash	0	None	None	Trash
D49	Storage Shed	None	55-gal	C	B	P	Unknown	0	None	None	N/A
D80	Storage Shed	None	55-gal	nkno	Unknown	P	Empty	0	None	None	Upside Down
D54	Storage Shed	None	55-gal	O	B	P	Some Liqui	6	None	None	N/A
D68	Storage Shed	None	55-gal	O	B	P	Some Liqui	6	None	None	Liquid
D70	Storage Shed	None	55-gal	C	B	F	1/4	12	None	None	Liquid Contents
D63	Storage Shed	None	55-gal	O	R	P	1/2	25	30ppm	None	Fittings
D64	Storage Shed	None	55-gal	O	R	P	1/2	25	20ppm	None	Fittings

1404

#	Location	Label Info	Drum Size	Top	Closure	Cond.	Contents	Amount	OVA	Ram 4	Misc
D74	Storage Shed	None	55-gal	C	B	P	1/2	25	None	None	Liquid Contents
D51	Storage Shed	None	55-gal	O	B	P	Full	50	None	None	Liquid
D53	Storage Shed	None	55-gal	C	B	P	Full	50	None	None	Unknown
D66	Storage Shed	None	5-gal	O	None	P	Empty	0	30ppm	None	N/A
D67	Storage Shed	None	5-gal	O	None	P	1/2	2	30ppm	None	Fittings
D32	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D33	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D34	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D35	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D36	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D37	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D38	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D39	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D40	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D41	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D42	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D43	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D44	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D45	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher

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#	Location	Label Info	Drum Size	Top	Closure	Cond.	Contents	Amount	OVA	Ram 4	Misc
D46	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D47	Storage Shed	Liquid O Ring Oil Replenisher	5-gal	C	N/A	F	Full	5	None	None	Oil Replenisher
D73	Storage Shed	None	l/4 55-gal	O	None	P	1/8	6	None	None	Fittings/Liquid Contents
D157	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D158	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D159	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D160	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D161	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D162	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D163	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D164	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D165	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D166	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D167	Warehouse - Inside	Aluminum-Based Pipe Compound	3-gal	C	N/A	G	Full	3	None	None	Plastic
D154	Warehouse - Inside	Flammable Liquid	55-gal	C	B	F	Empty	0	None	None	N/A
D155	Warehouse - Inside	None	55-gal	nkno	Unknown	F	Empty	0	None	None	N/A
D156	Warehouse - Inside	Clear OD Pipe Coating/FLUSCO	55-gal	O	B	F	Empty	0	None	None	N/A
D153	Warehouse - Inside	None	55-gal	O	B	F	Full	50	None	None	N/A
D150	Warehouse - Outside	None	55-gal	O	R	P	Empty	0	None	None	N/A

14-06

#	Location	Label Info	Drum Size	Top	Closure	Cond.	Contents	Amount	OVA	Ram 4	Misc
D151	Warehouse - Outside	Hazardous When Empty	55-gal	O	B	F	Empty	0	None	None	N/A
D152	Warehouse - Outside	Hazardous When Empty	55-gal	O	R	P	Empty	0	None	None	N/A
D146	Warehouse - Outside	None	55-gal	O	O	F	Trash	0	None	None	N/A
D149	Warehouse - Outside	None	55-gal	O	O	P	Trash	0	None	None	N/A
D148	Warehouse - Outside	None	55-gal	O	R	F	Unknown	0	None	None	Upside Down
D147	Warehouse - Outside	None	55-gal	O	R	F	1/4	12	None	None	Unknown
D145	Warehouse - Outside	None	55-gal	O	B	F	2/3	33	None	None	Unknown
D143	Warehouse - Outside	GSM	55-gal	0	B	F	Full	50	None	None	N/A
D144	Warehouse - Outside	Hazardous When Empty	55-gal	C	B	F	Full	50	None	None	N/A

1407

CERCLIS No.: LA0000605278

Reference 15

TDD No.: S06-00-02-0022

§1334. Tests on Land Disposal Facilities

Each licensee shall perform, or permit the Division to perform, any tests the division deems appropriate or necessary for the administration of the regulations in this Chapter, including, but not limited to, tests of:

A. wastes;

B. facilities used for the receipt, storage, treatment, handling or disposal of wastes;

C. radiation detection and monitoring instruments; or

D. other equipment and devices used in connection with the receipt, possession, handling, treatment, storage, or disposal of waste.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Nuclear Energy Division, LR 13:569 (October 1987).

§1335. Division Inspections of Land Disposal Facilities

A. Each licensee shall afford to the division at all reasonable times opportunity to inspect waste not yet disposed of, and the premises, equipment, operations, and facilities in which wastes are received, possessed, handled, treated, stored, or disposed of.

B. Each licensee shall make available to the division for inspection, upon reasonable notice, records kept by it pursuant to these regulations. Authorized representatives of the division may copy and take away copies of, for the division's use, any record required to be kept pursuant to these regulations.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Nuclear Energy Division, LR 13:569 (October 1987).

Chapter 14. Regulation and Licensing of Naturally Occurring Radioactive Material (NORM)

§1401. Purpose

The regulations in this Chapter establish radiation health and safety requirements for the possession, use, transfer, treatment, storage, and disposal of Naturally Occurring Radioactive Material (NORM) and the recycling of NORM contaminated equipment that does not include source, special nuclear, or by-product materials regulated pursuant to the licensing requirements in LAC 33:XV.Chapter 3. The requirements of this Chapter are in addition to, and not in substitution for, the applicable requirements of LAC 33:XV.Chapters 1, 3, 4, 10, 15, and 25.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Nuclear Energy Division, LR 15:735 (September 1989), repealed and repromulgated by the Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:604 (June 1992), amended LR 21:24 (January 1995).

§1402. Scope

A. These regulations apply to any person who engages in waste generation, extraction, mining, beneficiating, processing, possession, use, transfer, treatment, transportation, or disposal of NORM or recycling of NORM contaminated equipment in such a manner as to technologically alter the natural sources of radiation or their potential exposure pathways to humans.

B. These regulations also apply to any material, equipment, or land which has been contaminated with technologically enhanced NORM.

C. The regulations in this Chapter address the introduction of NORM into materials or products in which neither the NORM nor the radiation emitted from the NORM is considered by the administrative authority to be advantageous to the materials or products. The manufacture and distribution of materials or products containing NORM in which the NORM and/or its associated radiation(s) is considered to be an advantageous attribute are licensed under the provisions of LAC 33:XV.Chapter 3.

D. This Chapter also addresses waste generation, waste management, decontamination, treatment, transfer, storage, and disposal of NORM and NORM waste with regard to both inactive and active sites and facilities involved in storage and/or cleaning of tubular goods and contaminated equipment.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Nuclear Energy Division, LR 15:735 (September 1989), repealed and repromulgated by the Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:604 (June 1992), amended LR 21:24 (January 1995).

§1403. Definitions

In addition to the definitions specified in Chapter 1, the following definitions apply:

Advantageous Attribute or Advantageous to the Material or Product—the radioactivity of the product is necessary to the use of the product.

Beneficiating—the processing of materials or products for the purpose of altering the chemical or physical properties to improve the quality, purity, or assay of a desired product or material.

Confirmatory Survey—a survey of potentially contaminated land, equipment, or sites in order to establish, with reasonable certainty, the absence or magnitude of NORM contamination.

Container—any portable device in which a material is stored, transported, treated, disposed of, or otherwise

handled. This does not include tubular goods or drill pipe for labeling purposes under these regulations.

Decontamination—the act of removing regulated NORM to reduce levels of radiation.

Disposal—the discharge, injection, or placing of regulated NORM into or on land so that such material is isolated from the biosphere inhabited by man and containing his food chain.

Equipment—any apparatus associated with the potential for or actual enhancement of NORM. Examples include, but are not limited to, tubular goods, piping, vessels, wellheads, separators, and condensers.

Location—NORM contaminated site(s), such as a commingling facility, a wellhead, a tank battery, any other type of production facility for oil or gas, a warehouse, or other type of NORM storage area for equipment or drums, pipeline, land, or pipeyard. A location may contain several sites.

Naturally Occurring Radioactive Material (NORM)—any nuclide that is radioactive in its natural physical state (i.e., not man-made), but not including source, by-product, or special nuclear material.

NORM Waste—the radioactive residue from any operation where the purpose is to remove NORM from soil, materials, or equipment.

On-site Maintenance—any activity involving a site or equipment that subjects an individual to potential inhalation or ingestion of NORM. This includes, but is not limited to, performing maintenance on vessels, tanks, tubular goods, or water treatment systems, or the clearing of pipe lines to maintain oil and gas production.

Pile—any non-containerized accumulation of solid, nonflowing NORM waste.

Product—anything produced, made, manufactured, refined, or beneficiated.

Recycling—a process by which materials that have served their intended use are collected, separated, or processed and returned to use in the form of raw materials in the production of new products. Recycling shall not include the use of a material in a manner that constitutes disposal.

Site—any part of a location, land area (e.g., well site, pipeyard, scrapyard, production pit, treater/disposal facility, landfarm, landfill), equipment (each wellhead, each tank, each vessel, each separator, or any other apparatus associated with a process that has technologically enhanced naturally occurring radioactive material) or other appurtenances in a facility that contain technologically enhanced NORM, both active and inactive.

Storage—the containment of NORM waste in such a manner as not to constitute disposal of NORM waste.

Tank—a stationary device designed to contain an accumulation of NORM waste that is constructed primarily of nonearthen materials (e.g., wood, concrete, steel, plastic) that provide structural support and integrity.

Technologically Enhanced Natural Radioactive Material (hereinafter referred to as TENR)—means natural sources of radiation which would not normally appear without some technological activity not expressly designed to produce radiation.

Temporary Jobsite—any location where services subject to specific licensure are performed, other than the authorized location(s) listed in the specific license.

Treatment—any method, technique, or process designed to change the physical or radiological character or composition of any NORM or NORM waste so as to render it less radioactive, safer for transport, amenable for recovery, amenable for storage, reduced in volume, or changed in concentration.

Unrestricted Use—any use that does not have controls in place to protect an individual member of the public from exposure to radiation and radioactive material.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Nuclear Energy Division, LR 15:736 (September 1989), repealed and repromulgated by the Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:604 (June 1992), amended LR 21:24 (January 1995).

§1404. Exemptions

A. NORM, NORM waste, and NORM contaminated material are exempt from the requirements of these regulations if they contain, or are contaminated at, concentrations of:

1. 5 picocuries per gram or less of radium-226 or radium-228, above background; or

2. 150 picocuries per gram of any other NORM radionuclide, provided that these concentrations are not exceeded at any time.

B. Equipment, which contains NORM, is exempt from the requirements of these regulations, except LAC 33:XV.1410, if the maximum radiation exposure level does not exceed 50 microroentgens per hour at any accessible point.

C. Except as provided in LAC 33:XV.1408, 1410, and 1417, land is exempt from the requirements of this Chapter if it contains material at concentrations less than the limits specified below, in samples averaged over any 100 square meters with no single noncomposited sample to exceed 60 picocuries per gram of soil:

1. 5 picocuries per gram or less of radium-226 or radium-228, above background, averaged over the first 15 centimeters, and 15 picocuries per gram above background

averaged over each subsequent 15-centimeter-thick layer of soil; or

2. 30 picocuries per gram or less of radium-226 or radium-228, averaged over 15-centimeter-depth increments, provided the total effective dose equivalent (from the contaminated land) to individual members of the public (continually present) does not exceed 0.1 rem (1mSv) in a year.

D. The division may on a case by case basis approve alternate limits or measurement procedures for an exemption under LAC 33:XV:1404.A, B, or C.

E. Persons who receive source material, as authorized under the general license in LAC 33:XV.321.A, and products or materials containing NORM, distributed in accordance with a specific license issued by the division or an equivalent license issued by another licensing state, are exempt from these regulations.

F. Persons who receive, possess, store, use, process, transfer, sell, manufacture, distribute, recycle, or dispose of raw materials, intermediates, process streams, products, by-products (including bauxite refinery and phosphogypsum recycle/reuse raw materials and products), and wastes related to the production of bauxite refinery and phosphate fertilizer materials, products, and by-products are exempt from these regulations.

G. The recycling of NORM contaminated equipment and the manufacturing, distribution, use, transportation, and disposal of the following products/materials are exempt from the requirements of these regulations.

1. potassium and potassium compounds that have not been isotopically enriched in the radionuclide K-40;

2. materials used for building construction, industrial processes, metal casings, and abrasive cleaning if the NORM content of such material has not been technologically enhanced; and

3. by-products from fossil fuel combustion (bottom ash, fly ash, and flue-gas emission control by-products).

H. The wholesale and retail distribution (including custom blending), possession, use, and transportation of the following products/materials are exempt from the requirements of these regulations:

1. phosphate and potash fertilizer;

2. phosphogypsum for agricultural uses;

3. materials used for building construction if such materials contain NORM that has not been technologically enhanced;

4. natural gas and natural gas products; and

5. crude oil and crude oil products.

I. Produced waters from crude oil and natural gas production are exempt from the requirements of these regulations. Regulations concerning produced waters are referenced in LAC 33:IX.Chapter 7.

J. Tanks, vessels, containers, storage facilities, and distribution lines in refineries and petrochemical and gas plants contaminated with regulated NORM are not exempt from the requirements of these regulations.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Nuclear Energy Division, LR 15:736 (September 1989), repealed and repromulgated by the Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:605 (June 1992), amended LR 21:25 (January 1995).

§1406. Radiation Survey Instruments

A. Instrumentation utilized to determine exposure rates pursuant to this Chapter shall be capable of measuring 1 microroentgen per hour through at least 500 microroentgens per hour.

B. Each radiation survey instrument shall be calibrated:

1. at intervals not to exceed one year, any time the instrument is found to respond inconsistently to a known source or shows any indication of physical damage, and after each instrument servicing;

2. at energies and radiation levels appropriate for use; and

3. so that accuracy within plus or minus 20 percent of the true radiation level can be demonstrated on each scale.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Nuclear Energy Division, LR 15:736 (September 1989), repealed and repromulgated by the Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:605 (June 1992), amended LR 21:25 (January 1995).

§1407. Surveys

A. A confirmatory survey for each potentially contaminated site shall be performed within 90 days of the effective date of these regulations.

B. Follow-up confirmatory surveys shall be performed whenever activities at the site could result in a possible change in the regulatory status of the site.

C. Upon completion of survey(s) of equipment and facilities that verify that NORM regulated by this Chapter is not present, an individual may submit documentation to the division indicating that the equipment and facilities are exempt from the requirements of this Chapter pursuant to LAC 33:XV.1404.

D. Any survey submitted to the division must include the qualifications of the individual performing the survey. Individuals performing and documenting the surveys shall demonstrate understanding of the subjects outlined in Appendix A of this Chapter.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 21:26 (January 1995).

§1408. General License

A. A general license is hereby issued to mine, extract, receive, possess, own, use, store, and transfer NORM not exempt in LAC 33:XV.1404 without regard to quantity.

1. Persons subject to the general license shall notify the division by filing the Notification of NORM Form (Form RPD-36) with the division.

2. A confirmatory survey showing the presence of NORM in excess of exempt levels provided in LAC 33:XV.1404 shall be submitted to the division.

3. Each general licensee performing on-site maintenance on contaminated facilities, sites, or equipment or the excavation of land shall establish and submit to the division for approval written procedures as outlined in Appendix B of this chapter to ensure worker protection and for the survey (or screening) of sites and equipment.

4. On-site maintenance is authorized only if the maximum radiation level does not exceed two millirem per hour at any accessible point in the work area.

5. Each general licensee shall establish and submit to the division for approval written procedures for the survey (or screening) of sites and equipment to ensure that NORM is not released for unrestricted use except under the provisions of LAC 33:XV.1417.

6. Storage

a. A general licensee is authorized to store NORM waste in a container for 90 days from the date of generation. After such time, the NORM waste must be transferred to an authorized facility for purposes of treatment, storage, or disposal.

b. To store NORM waste in a container for up to 365 days from generation, a general licensee must first submit a written NORM waste management plan to the division and receive authorization from the division. The general licensee may store NORM waste in containers up to 365 days from generation under the written NORM waste management plan while waiting for division determination.

7. Surface equipment that has been removed from service and is not employed for its designated function, excluding wellheads, shall be decontaminated to the limits specified in LAC 33:XV.1404, or treated or disposed of in accordance with LAC 33:XV.1412 within one year from the date the equipment was removed from service. This requirement does not apply to equipment that remains subsurface and is associated with production wells or injection wells classified as having future utility.

B. This general license does not authorize the manufacturing or distribution of products containing NORM, or the landfarming of NORM, or the transfer from one general licensee to another general licensee of NORM with levels or concentrations greater than those specified in LAC 33:XV.1404 for purposes of decontamination or disposal.

C. The decontamination for release for unrestricted use of contaminated facilities, sites, or equipment shall only be performed by persons specifically licensed by the division, the U.S. Nuclear Regulatory Commission, another agreement state, or another licensing state to conduct such work or as otherwise authorized by the division.

D. The general license provided in this Section does not authorize the cleaning of tubular goods and equipment in connection with a pipe yard, storage yard, or equipment yard.

E. Facilities, equipment, and sites contaminated with NORM in excess of the levels set forth in LAC 33:XV.1404 shall not be released for unrestricted use.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 21:26 (January 1995).

§1410. General Licenses: Pipe Yards, Storage Yards, or Production Equipment Yards

A. A general license is hereby issued for pipe yards or storage yards or production equipment yards to receive, possess, process, and clean tubular goods or equipment which are contaminated with scale or residue but do not exceed 50 microroentgens per hour, provided:

1. the department is notified within 90 days of the effective date of these regulations of the intention of the facility to receive tubular goods or equipment which are contaminated with scale or residue but do not exceed 50 microroentgens per hour;

2. a program is developed and submitted to the division for approval to screen incoming shipments to ensure that the 50-microroentgens-per-hour limit is not exceeded for individual pieces of tubular goods or equipment;

3. a program is developed and submitted to the division for approval to ensure worker protection, as outlined in Appendix B of this Chapter;

4. a program is developed and submitted to the division for approval to control soil contamination;

5. a program is developed and submitted to the division for approval to prevent release of NORM contamination beyond the site boundary;

6. a program is developed and submitted to the division for approval for surveying and decontamination to ensure that soil contamination is not allowed to exceed 200 picocuries per gram of radium-226 or radium-228 or an exposure rate of 50 microroentgens per hour at one meter from the soil at any time;

7. a plan for cleanup is submitted to the division within 180 days of the effective date of these regulations for

existing facilities that have NORM contaminated soil in excess of the limit in LAC 33:XV.1410.A.6. The plan shall include a schedule for cleanup that is to be approved by the division. The general licensee may include in this plan an application to the division for a one time authorization to perform this cleanup or use a specific licensee; and

8. before releasing the property for unrestricted use, the soil is decontaminated to a level not to exceed 5 picocuries per gram above background of radium-226 or radium-228 unless other limits are approved by the department.

B. A specific license pursuant to LAC 33:XV.Chapter 3 is required for the decontamination of tubular goods or equipment that exceed the 50-microroentgens-per-hour limit.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Nuclear Energy Division, LR 15:736 (September 1989), repealed and repromulgated by the Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:605 (June 1992), amended LR 21:26 (January 1995).

§1411. Protection of Workers During Operations

Each person subject to the general license requirements in LAC 33:XV.1408 or 1410 or a specific license shall conduct operations in compliance with each of the standards for radiation protection set forth in LAC 33:XV.Chapters 4 and 10.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Nuclear Energy, Nuclear Energy Division, LR 15:737 (September 1989), repealed and repromulgated by the Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:606 (June 1992), amended LR 21:27 (January 1995).

§1412. Treatment, Transfer, and Disposal

A. Each person subject to the general license requirements in LAC 33:XV.1408 and 1410 or subject to a specific license shall manage, treat or dispose of wastes containing NORM in accordance with:

1. any applicable requirement of LAC 33:XV.Chapter 4; and

2. any applicable requirement of the U.S. Environmental Protection Agency for disposal of such wastes.

B. Treatment or disposal of NORM waste shall be in accordance with one of the following:

1. by transfer of the wastes to a land disposal facility licensed by the division, the U.S. Nuclear Regulatory Commission, an agreement state, or a licensing state;

2. by alternate methods authorized by the division in writing upon application or upon the division's initiative. The application for alternative methods of disposal shall be submitted to the division for approval;

3. for nonhazardous oilfield waste containing NORM at concentrations not exceeding 30 picocuries per gram of radium-226 or radium-228 by transfer to a nonhazardous oilfield waste commercial facility regulated by the Department of Natural Resources for treatment if the following are met:

a. dilution in the end product after treatment does not exceed 5 picocuries per gram above background of radium-226 or radium-228;

b. the nonhazardous oilfield waste commercial facility has a program for screening incoming shipments to ensure that the 30 picocuries per gram limit of radium-226 or radium-228 is not exceeded; and

c. the Department of Natural Resources (DNR) approves; or

4. for nonhazardous oilfield waste containing concentrations of NORM in excess of the limits in LAC 33:XV.1404.A.1, but not exceeding 200 picocuries per gram of radium-226 or radium-228 and daughter products, by treatment at nonhazardous oilfield waste commercial facilities specifically licensed by the division for such purposes. Regulation of such sites is set forth in a memorandum of understanding between the department and DNR and contained in Appendix C of this Chapter.

C. Intrastate transfers of waste containing NORM for disposal shall be made only to persons authorized by the division in writing to receive such waste. It is the responsibility of the transferor to ascertain that the recipient possesses specific authorization prior to transfer.

D. The melting of scrap metal may be authorized by a specific license if the dilution of the NORM in the end products or melt by-products is sufficient to reduce the concentrations of radium-226 or radium-228 to less than 5 picocuries per gram.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:606 (June 1992), amended LR 21:27 (January 1995).

§1414. Containers

A. NORM and NORM waste shall be kept in a container that is in good or safe condition.

B. The licensee shall use a container made of, or lined with, materials that will not react with, or be incompatible with, the NORM waste to be stored so that the ability of the container to contain the waste is not impaired or compromised.

C. A container holding NORM waste shall always be closed and sealed during storage, except when it is necessary to add or remove waste.

D. A container holding NORM waste shall not be opened, handled, or stored in a manner that may rupture the container or cause it to leak.

E. At least quarterly, the licensee shall inspect areas where containers of NORM waste are stored, looking for leaking containers and for deterioration of containers and the containment system. Records of these inspections shall be made.

F. All containers of NORM waste shall be stacked in such a fashion that each container identification label can be read from the access aisle or area. Labeling of containers shall be in compliance with LAC:XV.453.

G. Records of inspections pursuant to LAC 33:XV.1414.E shall be maintained by the licensee for inspection by the division for five years.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:607 (June 1992), amended LR 21:27 (January 1995).

§1415. Waste Piles

Storage of new NORM waste by piles is prohibited. No new NORM waste piles can be initiated and no existing NORM waste piles added to after the effective date of these regulations.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:607 (June 1992).

§1416. Inspections of Storage Tanks Containing NORM Waste

As part of an inspection program the licensee shall develop a schedule and procedure for assessing the condition of each tank containing NORM waste. The schedule and procedure must be adequate to detect cracks, leaks, corrosion, and erosion that may lead to cracks, leaks, or wall thinning to less than the required thickness. Procedures for emptying a tank to allow entry, procedures for personnel protection, and inspection of the interior must be established when necessary to detect corrosion or erosion of the tank sides and bottom. The frequency of these assessments must be based on the material of construction of the tank, type of corrosion or erosion protection used, rate of corrosion or erosion observed during previous inspections, and the characteristics of the waste being treated or stored.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:607 (June 1992), amended LR 21:28 (January 1995).

§1417. Release for Unrestricted Use

A. Once facilities, equipment or sites exceed the level of contamination provided in LAC 33:XV.1404 and are subject to the provisions of this Chapter, they shall not be released for unrestricted use until they have been decontaminated in accordance with this Section.

1. For general or specific licensees that have an area or soil with contamination above the limits of LAC 33:XV.1404 and soil decontamination must be performed, the decontamination of soil shall be to 5 picocuries per gram above background of radium-226 or radium-228.

2. For general or specific licensees who have equipment with a maximum exposure level above that specified in LAC 33:XV.1404, equipment decontamination must be performed to reduce the exposure levels below those specified in LAC 33:XV.1404 and ensure that the equipment is free of loose contamination.

3. In all other cases, the decontamination shall reduce radiation levels below the exemption levels provided in LAC 33:XV.1404.

B. If closure activities involve construction with a subsurface impact to a depth greater than three feet, prior approval by the Ground Water Protection Division must be attached as part of the application addressing the certification of the groundwater quality. All pits, ponds, and lagoons must comply with departmental regulations and/or policies dealing with groundwater quality.

C. Unless otherwise directed in writing by the division, in order to release property for unrestricted use, a licensee shall submit a plan for the decontamination to the division for approval. Upon approval, the licensee shall implement the plan in accordance with such approval.

1. Information contained in previous applications, statements, or reports filed with the division under the license may be incorporated by reference if the references are clear and specific.

2. The plan shall provide for a confirmatory survey submitted to the division for review.

3. The licensee shall provide notice to the division of completion of decontamination. Upon proper completion of the plan and notice to the division, the division shall acknowledge such completion.

4. The site shall not be released for unrestricted use until the acknowledgment in LAC 33:XV.1417.C.3 is issued.

D. The closure application shall include specific details of the NORM site closure plan including each of the following:

1. the results of tests, experiments, or any other analyses relating to backfill of excavated areas, closure and sealing;

2. any proposed revision of plans for:

a. decontamination and/or dismantlement of surface facilities,

b. backfilling of excavated areas, and/or

c. stabilization of the NORM site for post-closure care; and

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3. any new information regarding the environmental impact of closure activities and long-term performance of the NORM site.

E. The licensee shall monitor the NORM site and perform necessary maintenance and repairs at the site until the acknowledgement in LAC 33:XV.1417.C.3 is issued.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:607 (June 1992), amended LR 21:28 (January 1995).

§1418. NORM Manifests

A. Each shipment of NORM waste and NORM contaminated equipment to a facility specifically licensed for treatment, decontamination, storage, or disposal shall be accompanied by a manifest.

B. The manifest form must be obtained from the division and must consist of, at a minimum, the number of copies that will provide the licensee, each transporter, and the operator of the designated facility with one copy each for their records with the remaining copies to be returned to the licensee and the other appropriate parties.

C. General Requirements

1. A licensee who transports, or offers for transportation, NORM waste and NORM contaminated equipment to a facility specifically licensed for treatment, decontamination, storage, or disposal must prepare and sign sufficient copies of a manifest before transporting the NORM off-site.

2. A licensee must designate on the manifest one facility which is permitted to handle the NORM described on the manifest.

3. If the transporter is unable to deliver the NORM to the designated facility, the licensee must either designate another facility or instruct the transporter to return the NORM.

4. Licensees must provide a statement concerning the nature of the material and general guidelines for an emergency situation involving this waste to accompany the manifest on shipments and loads.

5. If the NORM is to be transported out-of-state, the licensee will be responsible for receiving the completed, signed manifest from the out-of-state treatment, decontamination, storage, or disposal facility.

6. Before initiating a shipment, licensees shall obtain written confirmation of the acceptability of the NORM or NORM waste from the operation of the specifically licensed commercial treatment, decontamination, storage, or disposal facility. The confirmation must be maintained by the affected licensees as part of their manifest records.

7. The licensee receiving a shipment is required to report to the division and to the licensee initiating the shipment any irregularities between the NORM actually received by the designated facility and the NORM described on the manifest, or any other irregularities, within 15 days. If the designated facility or receiving licensee is outside the state of Louisiana, the generating or originating licensee must report the irregularities to the division.

D. Required Information

1. The manifest must contain all of the following information prior to leaving the licensee's site:

a. a state manifest document which shall be obtained from this division;

b. the licensee's name, mailing address, telephone number, and NORM general license number;

c. the name, Interstate Commerce Commission number (ICC #), and telephone number of each transporter;

d. the name, address, telephone number, and NORM specific license number of the designated facility, if applicable;

e. the description of the waste(s) (e.g., scale, soil, sludge) or contaminated equipment (e.g., heater treater, tubular goods).

f. the total quantity of all NORM by units of weight in tons or pounds, and the type and number of containers (metal drums, barrels, kegs, fiberboard or plastic drums, cargo tanks, tank trucks, dump trucks, metal boxes, cartons, cases, burlap bags, paper bags, plastic bags, wooden drums, tanks portable, tank cars, cylinders, wooden boxes, and fiber or plastic boxes) as loaded into or onto the transport vehicle. If the weight is unknown, the volume and estimated weight should be provided.

2. The certification that appears on the manifest must be read, signed, and dated by the licensee as follows: "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport according to applicable international and national government regulations."

E. Use of the Manifest

1. The licensee must:

a. sign and date the manifest certification by hand when the initial transporter accepts the shipment;

b. obtain the handwritten signature of the initial transporter and date of acceptance of the manifest; and

c. retain one copy.

2. The licensee must give the transporter the remaining copies of the manifest.

3. The licensee must receive the fully signed copy of the manifest from the designated facility within 45 days from the delivery to the initial transporter. In the event the licensee does not receive the signed manifest timely, the licensee shall:

a. notify the division in writing within seven days;

b. conduct an investigation into the reasons why the manifest was not received;

c. report the results of the investigation to the division.

F. Transporters

1. A transporter may not accept NORM for transportation unless the NORM is accompanied by sufficient copies of a manifest properly prepared, with each copy signed and dated by the licensee and each previous transporter in accordance with these regulations.

2. Before transporting the NORM, the transporter must sign and date each copy of the manifest acknowledging acceptance of the NORM from the licensee or previous transporter and return a signed copy to the licensee or previous transporter.

3. A transporter who delivers NORM to another transporter or to the designated storage, treatment, decontamination, or disposal facility shall:

a. obtain the date and signature of the accepting transporter or designated storage, treatment, decontamination, or disposal facility;

b. retain one copy of the manifest signed and dated by the licensee, all previous transporters, himself, and the next transporter or designated facility;

c. give the remaining copies of the manifest to the accepting transporter or designated facility.

G. Designated Facility. The designated facility should fill out his portion, retain a copy for his files, submit the original to the division, and send all remaining copies to the licensee no later than 15 days after delivery of the NORM waste.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:608 (June 1992), amended LR 21:28 (January 1995).

§1419. Financial Responsibility of Transporters

A. Each transporter of NORM, NORM waste, or NORM contaminated equipment to a licensee for licensed long-term storage, treatment, decontamination, or disposal shall acquire continuous insurance coverage or other financial responsibility for all of its transport vehicles regulated by these regulations at a minimum coverage of $300,000 per vehicle public liability and $200,000 per vehicle damage.

B. The financial responsibility required by this Section may be established by any one or a combination of the following:

1. evidence of liability insurance;

2. self-insurance with a level not more than 20 percent of equity; or

3. other evidence of financial responsibility deemed acceptable by the secretary of the Department of Public Safety and Corrections or its successor agency.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:609 (June 1992), amended LR 21:29 (January 1995).

§1420. Financial Security Requirements for NORM Treaters or Storers

A. Each general licensee that stores NORM or NORM waste for greater than 90 days, and each specific licensee that leases or owns a physical location and that physically or chemically treats or stores NORM or NORM waste shall post with the division financial security to ensure the protection of the public health and safety and the environment in the event of abandonment, default, or other inability or unwillingness of the licensee to meet the requirements of the Act and these rules. Financial security shall:

1. name the division as beneficiary with a bond issued by a fidelity or surety company authorized to do business in Louisiana, a personal bond secured by such collateral as the office deems satisfactory, a cash bond, a liability endorsement, or a letter of credit. The amount of the bond, liability endorsement, or letter of credit shall be equal to or greater than the amount of the security required. Any security must be available in Louisiana and subject to judicial process and execution in the event required for the purposes set forth in this Section, and be continuous for the term of the license;

2. be in an amount based upon a division-approved cost estimates plan for decontamination, decommissioning, restoration, and reclamation of buildings, equipment, and the site to levels that would allow unrestricted use;

3. be established concurrent with the application or plan required by LAC 33:XV.1408.A.6.b to ensure that sufficient funds will be available to carry out the decontamination and decommissioning of the facility; and

4. be for the duration of the license and for a period coincident with the licensee's responsibility under the Act and these rules.

B. Pipe yards, storage yards, production equipment yards, or other facilities which receive, possess, and clean tubular goods which are contaminated with scale or residue shall meet the requirements of LAC 33:XV.1420.A.

C. On the effective date of these rules, current licenses in effect may continue, provided that the required security arrangements are submitted to the division within 120 days.

D. No later than 90 days after the licensee notifies the division that decontamination and decommissioning have been completed, the division shall determine if these have been conducted in accordance with these rules. If the division finds that the requirements have been met, the

secretary or his designee shall direct the return or release of the licensee's security in full plus any accumulated interest within 14 days. If the division finds that the requirements have not been met, the division will notify the licensee of the steps necessary for compliance.

E. This Section shall be applicable until such time that a NORM Trust Fund or other instrument to accomplish these purposes may be established by the legislature.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.

HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Office of Air Quality and Radiation Protection, Radiation Protection Division, LR 18:609 (June 1992), amended LR 21:30 (January 1995).

Appendix A

SUBJECTS TO BE INCLUDED IN TRAINING COURSES FOR INDIVIDUALS PERFORMING NORM SURVEYS

The following outline describes the subjects that individuals must demonstrate competence in prior to being approved as a NORM surveyor.

I. Fundamentals of Radiation Safety

A. Characteristics of radiation

B. Units of radiation dose and quantity of radioactivity

C. Levels of radiation from sources of radiation

D. Methods of minimizing radiation dose:

1. working time;
2. working distance;
3. shielding;
4. respiratory precautions;
5. use of anti-contamination clothing.

II. Radiation Detection of Instrumentation to Be Used

A. Use of radiation survey instruments:

1. operation;
2. calibration;
3. limitations.

B. Survey techniques

C. Use of personnel-monitoring equipment

III. The Requirements of Pertinent State Regulations

Appendix B

Detailed development of the following must be included in the required worker protection plan:

I. The posting of signs pursuant to LAC 33:XV.451 and 1011 to inform personnel when they are entering a NORM contaminated area.

II. Procedures to prevent eating, drinking, smoking, and chewing in areas where work is being performed on contaminated equipment or where contaminated soil is being handled.

III. Procedures to avoid skin contact with NORM contaminated scale, solids, and sludges by the use of protective clothing such as gloves, coveralls, rubber boots, and eye protection.

IV. Procedures to ensure that personnel will thoroughly wash body parts that may have been potentially in direct contact with NORM-contaminated materials before eating, drinking, smoking, or leaving the work area.

V. Procedures for whole body monitoring of personnel in restricted area including a description of the survey instrumentation used.

VI. Procedures to minimize the number of personnel in the contaminated area.

VII. Other operational procedures (i.e., openings on contaminated equipment or containers should be sealed when stored or handled, tubulars capped on both ends, etc.).

For operations that have the potential to produce NORM contaminated dusts (i.e., cutting, grinding, sand-blasting, welding, drilling, polishing, or handling soil) or when loose contamination is suspected, the following additional precautions shall be taken:

I. The use of a respirator appropriate for radioactive particulates shall be worn if required by LAC 33:XV.Chapter 4.

II. Safety glasses should be worn for eye protection.

III. Activities shall be conducted in well-ventilated areas to which access has been restricted.

IV. Ground covers should be utilized to the extent possible to contain contaminants and facilitate cleanup.

V. The need for personnel monitoring and bioassay shall be evaluated and provided if necessary.

In addition to the general guidance given above, there may be industrial operations such as vessel entry, dismantling of equipment, refurbishing of equipment, or transportation, which may require additional precautionary procedures which should be included in the worker protection procedures submitted to the division.

Appendix C

MEMORANDUM OF UNDERSTANDING BETWEEN LOUISIANA DEPARTMENT OF NATURAL RESOURCES OFFICE OF CONSERVATION AND LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY OFFICE OF AIR QUALITY AND RADIATION PROTECTION

REGARDING

THE REGULATION OF NATURALLY OCCURRING RADIOACTIVE MATERIAL AT COMMERCIAL OILFIELD WASTE TREATMENT FACILITIES

WHEREAS, the Louisiana Department of Natural Resources, Office of Conservation (DNR/OC), is authorized by State law and regulations to control the permitting, operation, and closure of commercial nonhazardous oilfield waste (NOW) disposal facilities in Louisiana, and,

WHEREAS, the Louisiana Department of Environmental Quality (DEQ) is authorized by state law and regulations to control the management and disposal of naturally occurring radioactive material (NORM), and,

WHEREAS, certain types of NOW have been recognized as occasionally containing levels of NORM that may warrant protection of public health and the environment, and,

WHEREAS, it is in the public interest for both agencies to coordinate their resources in order to provide adequate protection of public health and the environment and to avoid duplicative regulatory efforts and unnecessary expenses to DNR/OC and DEQ, the regulated community and the citizens of this state.

* * * * * *

THEREFORE, the following MEMORANDUM OF UNDERSTANDING is hereby adopted to outline the specific responsibilities of each agency regarding the regulation of NORM treatment at commercial NOW facilities which are permitted and regulated under the jurisdiction of the Office of Conservation:

1. Commercial NOW facilities will be permitted to receive, and treat NORM in accordance with specific licenses issued by DEQ under LAC 33:XV.301 and 1401 et seq. Existing DNR/OC permits will be required to be amended according to the requirements of LAC 43:XIX.129.M. DNR/OC and DEQ will, to the extent possible, coordinate and/or combine efforts in the holding of any public hearings with regard to permitting commercial NOW/NORM facilities.

2. Commercial NOW/NORM facilities (DEQ specific licensees) may be authorized to receive and treat NORM contaminated with concentrations of up to 200 picocuries per gram radium-226 or radium-228 and daughter products, provided all operational procedures are adhered to and a satisfactory history of compliance is established.

3. In addition to standards for documentation of compliance with the reuse criteria of LAC 43:XIX.129.M, treated NOW/NORM which is offered for reuse must also meet the requirements of DEQ.

4. Only written requests will be considered by DNR/OC and DEQ for reuse of treated NOW/NORM. Documentation of compliance with regulatory requirements must be provided with each request. Specific written approval from each agency must be obtained prior to removal of material from a treatment system.

5. Commercial NOW/NORM treatment facilities will not be permitted to mix and treat non-NORM (NOW) waste with NORM waste.

6. DEQ will be required to notify DNR/OC, within 24 hours, of planned/scheduled inspections of a commercial NOW/NORM treatment facilities.

7. When violations are documented, enforcement actions will be coordinated between DNR/OC and DEQ to determine the proper agency for issuance of notices of violation, compliance orders, assessment of penalties or any other enforcement activity.

8. As deemed necessary, DNR/OC and DEQ will share monitoring information required to be submitted by permitted NOW/NORM treatment facilities.

This MEMORANDUM OF UNDERSTANDING is subject to revision or cancellation upon agreement of both parties.

Chapter 15. Transportation of Radioactive Material

§1501. Purpose

The regulations in this Chapter establish requirements for packaging, preparation for shipment, and transportation of radioactive material in excess of Type A quantities.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Nuclear Energy Division, LR 13:569 (October 1987).

§1502. Scope

Each licensee who transports licensed material outside of the confines of his plant, or other place of use, or who delivers licensed material to a carrier for transport, shall comply with the regulations in this Chapter and the applicable requirements of the regulations appropriate to the mode of transport of DOT in 49 CFR Parts 170-189.

The licensee shall particularly note DOT regulations in the following areas:

A. Packaging—49 CFR Part 173, Subparts A and B, and Paragraphs 173.401-173.478.

B. Marking and labeling—49 CFR Part 172, subpart D, and Paragraphs 172.400-172.407; 172.436-172.440.

C. Placarding—49 CFR Part 172.500 through 172.519, 172.556; and appendices B and C.

D. Shipping papers—49 CFR Part 172, subpart C.

E. Accident reporting—49 CFR Parts 171.15 and 171.16.

F. Carrier requirements—49 CFR Parts 390 to 397.

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2001 et seq.
HISTORICAL NOTE: Promulgated by the Department of Environmental Quality, Nuclear Energy Division, LR 13:569 (October 1987).

§1503. Definitions

As used in this Chapter, the following definitions apply:

CERCLIS No.: LA0000605278

Reference 16

TDD No.: S06-00-02-0022

IASD ID # 01806

October 17, 1990

Mike D. McDaniel, Ph.D.
Assistant Secretary
Nuclear Energy Division
LA Dept. of Environmental Quality
Post Office Box 14690
Baton Rouge, LA 70898-4690

RE: NORM Survey

Dear Sir:

Please accept, in response to your letter of Sept. 6, 1990, the enclosed report describing the NORM survey conducted at the Cactus Pipe & Supply facility located on LA Highway 724 (Fieldspan Road), near Duson, LA.

The report details the results of NORM readings (uR/hr) collected onsite using a Model 3-97 Survey Meter manufactured by Ludlum Measurements, Inc., of Sweetwater, TX. Also included in the report are Radium-226 results (pCi/g) obtained from soil core samples collected from the tubing cleaning/testing area. Soil coring was conducted in this area since it had been found to contain radiation levels greater than 50 uR/hr by DEQ personnel during a recent site inspection.

Sincerely,
Cactus Pipe & Supply

William L. "Pat" Ready
Branch Manager

enclosure

CACTUS PIPE & SUPPLY
DUSON, LA
NORM SURVEY

PROCEDURE

The Cactus Pipe & Supply facility located on LA Highway 724 (Fieldspan Road), near Duson, LA, was surveyed for the presence of naturally occurring radioactvie materials (NORM), using a Model 3-97 Survey Meter (Ludlum Measurements, Sweetwater, TX). Readings were collected from soil, equipment, and stored pipe goods at the facility.

Measurements were collected in accordance with survey guidelines provided by the Nuclear Energy Division of the LA DEQ. Readings were recorded from soil, equipment and tubulars by placing the meter as close to the potential source as practicably possible. For soil readings the meter was held no further than two feet above the surface of the soil. For equipment and tubular goods, the meter was held within several inches of the surface of the item being monitored. Meter readings were read continuously, and recorded at regular intervals. When areas of elevated activity (>50 uR/hr) were observed, those areas were subjected to more frequent readings over smaller intervals.

Since soil in the tubing cleaning/testing area was previously identified by the DEQ as potentially contaminated, this area was cored for laboratory analysis of the Radium-226 content of the soil. The area was divided into grids measuring approximately 30'x 30', then each grid was cored in at least five locations. These cores were assembled into composites representing each grid. Cores were collected over 15 cm intervals, from ground level down to a total depth of 60 cm.

Portions of the soil in the tubing area had been excavated, prior to the site inspection conducted by your office, to transport this material for disposal offsite under the LA DEQ Hazardous Waste Regulations. This soil was stockpiled onsite at the rear of the facility while disposal arrangements were finalized. Samples of this stockpiled soil were also collected for determination of its Radium-226 content, since it was removed from an area that had been identified by your office as being NORM-contaminated.

16-02

CACTUS PIPE & SUPPLY
DUSON, LA
NORM SURVEY

SURVEY RESULTS

Figure 1 illustrates the general layout of the Cactus facility near Duson, LA. Property dimensions, buildings and structures, and working and storage areas are identified. Most of the property is devoted to the storage of tubular goods, and consists of racks for handling casing, tubing, and drill pipe. Cactus also conducts cleaning, testing, inspecting, and machining operations on tubular goods at this site. Cactus has ceased all operations involving used tubulars from production operations. Cactus currently handles only used pipe from drilling applications, which are not typically associated with NORM contamination.

Current operations at this site are restricted primarily to the front two-thirds of the property. The rear third is used entirely for pipe storage. The NORM survey included all work areas and storage areas at the Cactus facility. With the exception of tubing cleaning equipment, all NORM activity identified at the Cactus site was restricted to soil contamination. No contaminated tubular goods were identified during this survey.

Figure 2 summarizes the findings of the NORM survey. Shaded areas of Figure 2 are those in which meter readings exceeded 50 uR/hr, or in which Radium-226 levels exceeded DEQ limits for soil contamination. Shaded areas are individually illustrated, and actual survey meter readings are provided for all "hot spots", as shown in Figures 3-8 of this report. Meter readings taken in noncontaminated areas (10-50 uR/hr) were not individually listed in the figures.

Contaminated equipment (>50 uR/hr) was found in the tubing cleaning/testing area (Figure 3). This equipment was used in the past for cleaning used production tubing. Figure 3 also illustrates the results of R-226 analyses performed on soil cores collected from this area. Full test results are attached to this report. Grids A,B,C were found to contain R-226 at regulated levels. Grid A was contaminated to a depth of 45 cm, grid B to 30 cm, and grid C to 15 cm. Soils from grids D,E,F were determined not to be contaminated.

Portions of soils from this and other areas of the Cactus site had been excavated for management as hazardous waste. These soils were stockpiled at the rear of the site, as shown in Figure 4. Survey readings for the westernmost 100' of the large soil pile indicated measurements > 50 uR/hr.

CACTUS PIPE & SUPPLY
DUSON, LA
NORM SURVEY

Composite samples of stockpiled soils were collected for analysis for Radium-226 content. Three separate soil composites were collected, representing (a) the westernmost 100' of the large soil pile, (b) the easternmost 60' of the large pile, and (c) the entire small pile. Radium-226 testing indicated that the westernmost 100' of the large soil pile contained Radium-226 at a level of 196 pCi/g; the easternmost 60' contained 14 pCi/g, and the small soil pile contained 4 pCi/g. Analytical results are attached to this report. Hill 1 is the large soil pile, while Hill 2 is the small soil pile shown in Figure 4.

Figure 5 illustrates the NORM contamination found in the area toward the front of the Cactus facility where used tubing was formerly stored. This area of the site was found to contain the greatest NORM contamination outside of the tubing cleaning/testing area shown in Figure 3. A number of "hot spots" were detected with the survey meter, ranging up to a maximum of 270 uR/hr. Contamination was restricted to the outer perimeters of the storage racks, where pipe scales removed from the interiors of the pipe would have fallen.

Figure 6 illustrates the NORM contamination found in the area of the machine shop and casing hydrostatic test area. The highest individual survey meter reading (600 uR/hr) outside of the tubing cleaning area was detected in this area of the facility.

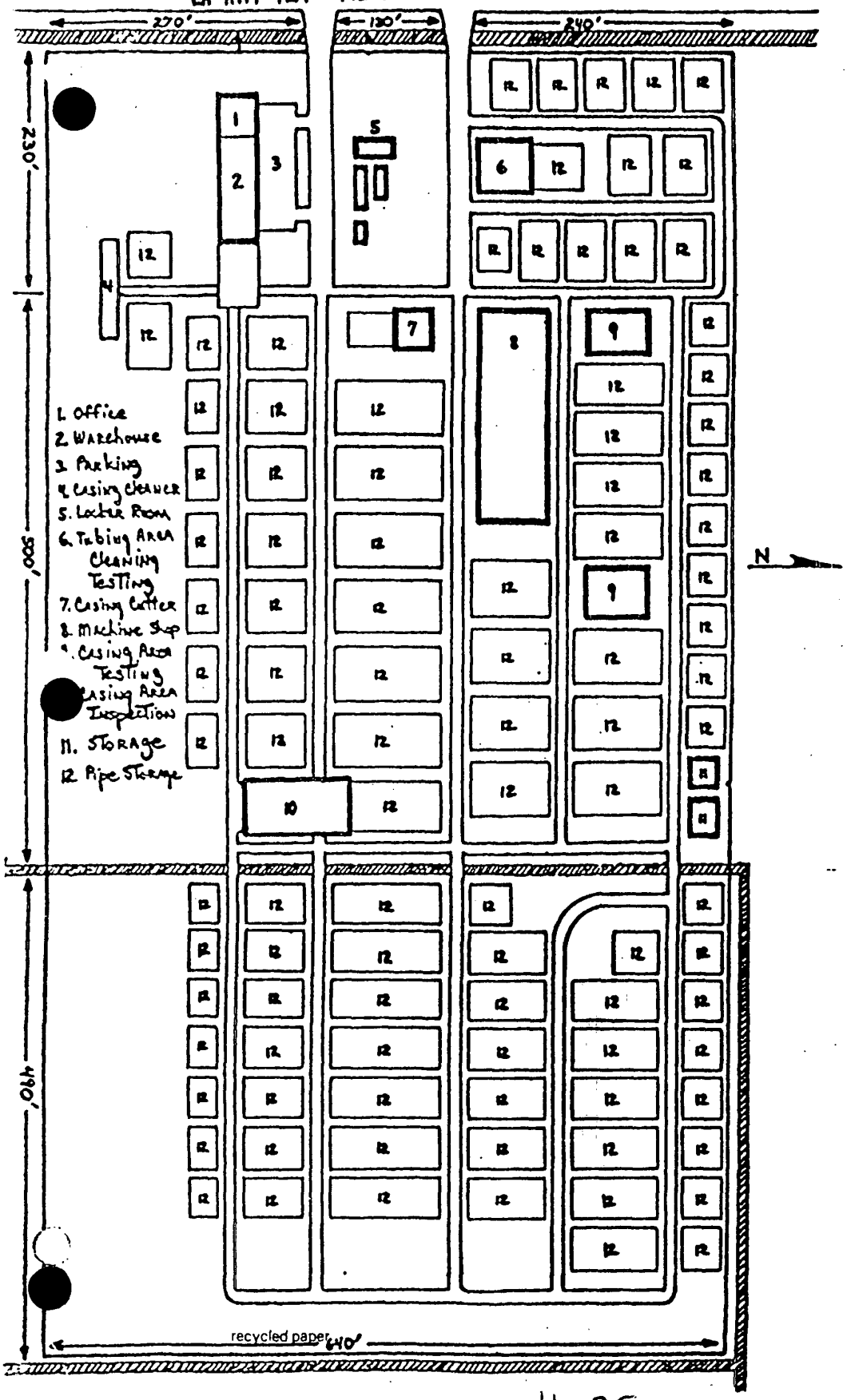
Figure 7 illustrates the NORM contamination detected in the rear casing hydrostatic testing area. Levels of NORM activity ranged up to 500 uR/hr in this area. Figure 8 provides similar findings for the rear third of the Cactus facility. Several very small "hot spots" were found in this area, ranging up to 250 uR/hr.

The remainder of the Cactus facility, as shown in Figure 2, was determined to be free of NORM contamination. Survey meter readings in these areas ranged consistantly from 10-50 uR/hr.

CACTUS PIPE & SUPPLY

LA HWY 724 FIELDSPAN RD

FIGURE 1



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environment

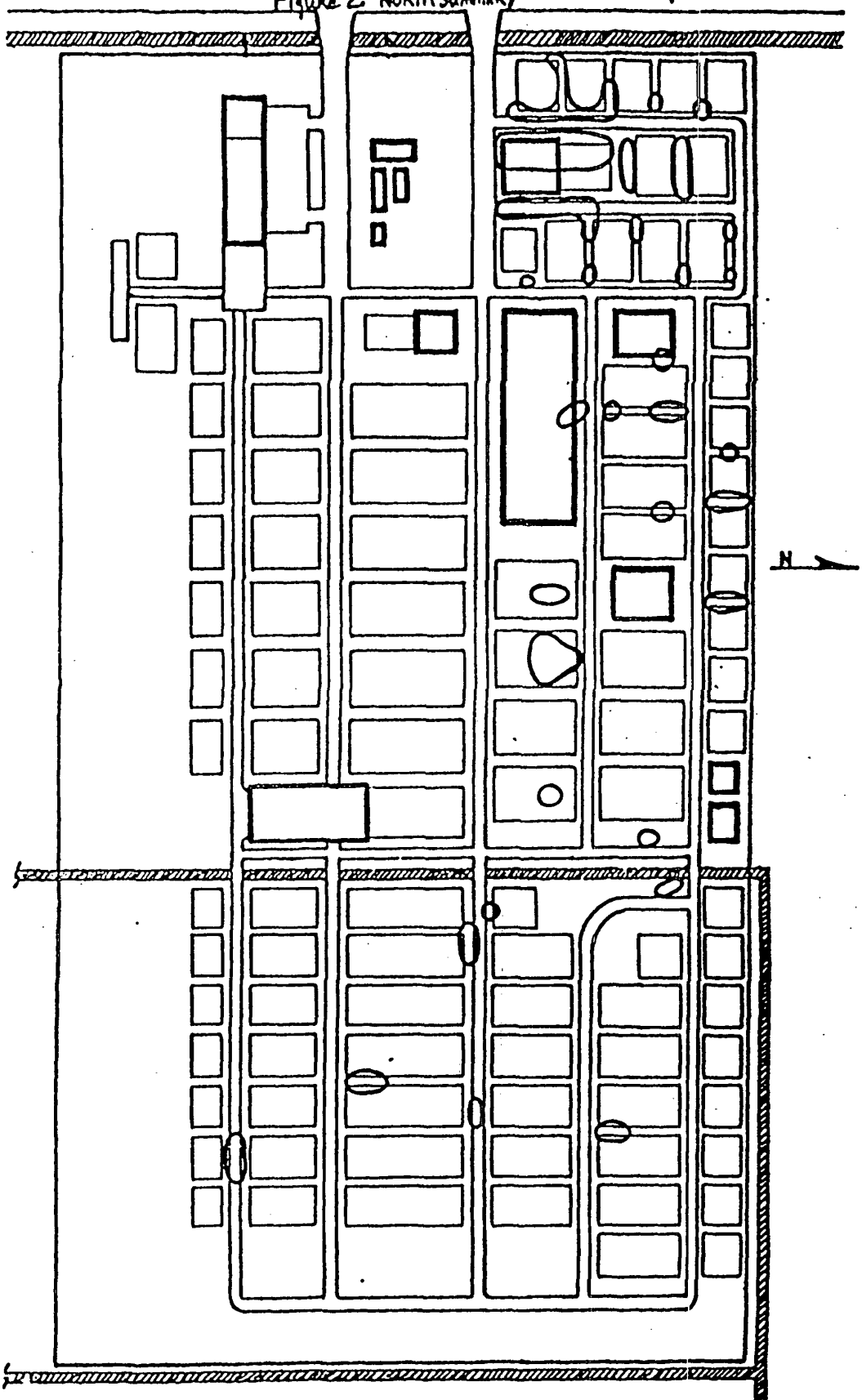
16-05

CACTUS PIPE & SUPPLY

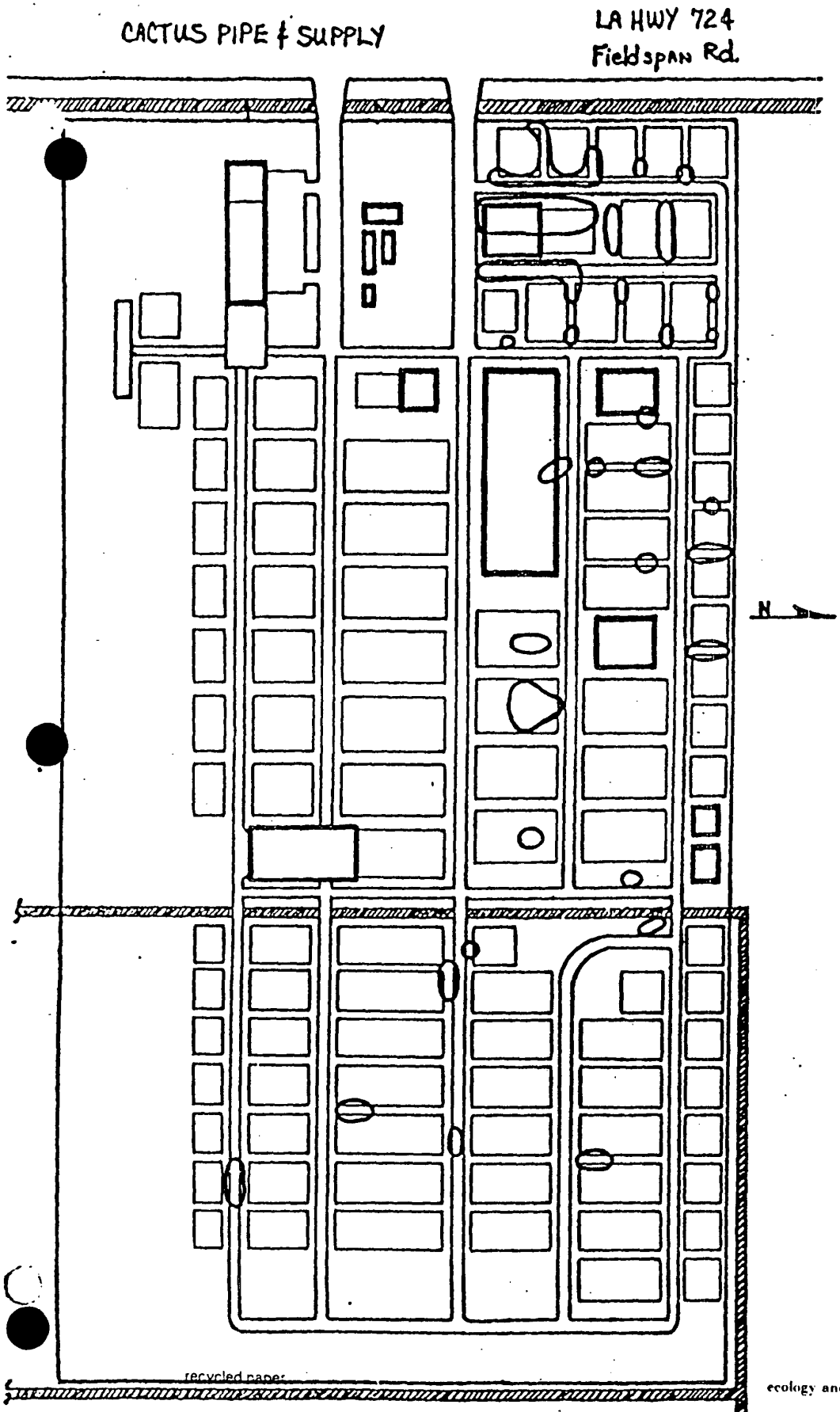
LM HWY 124

Fieldspan Rd.

Figure 2: NORM Summary



16-06



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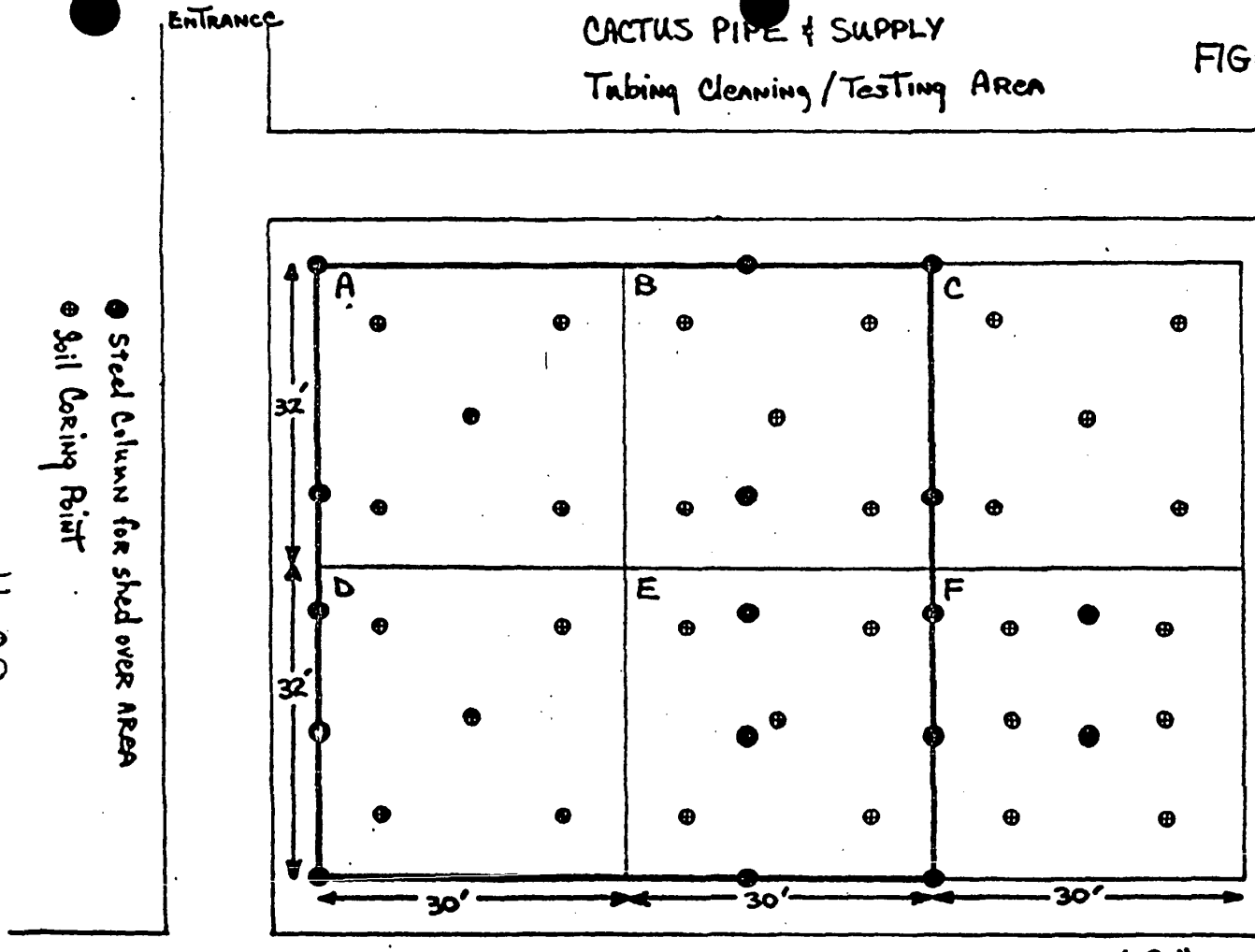
16-07

CACTUS PIPE & SUPPLY

Tubing Cleaning / Testing Area

FIGURE 3



RADIUM 226 pCi/g

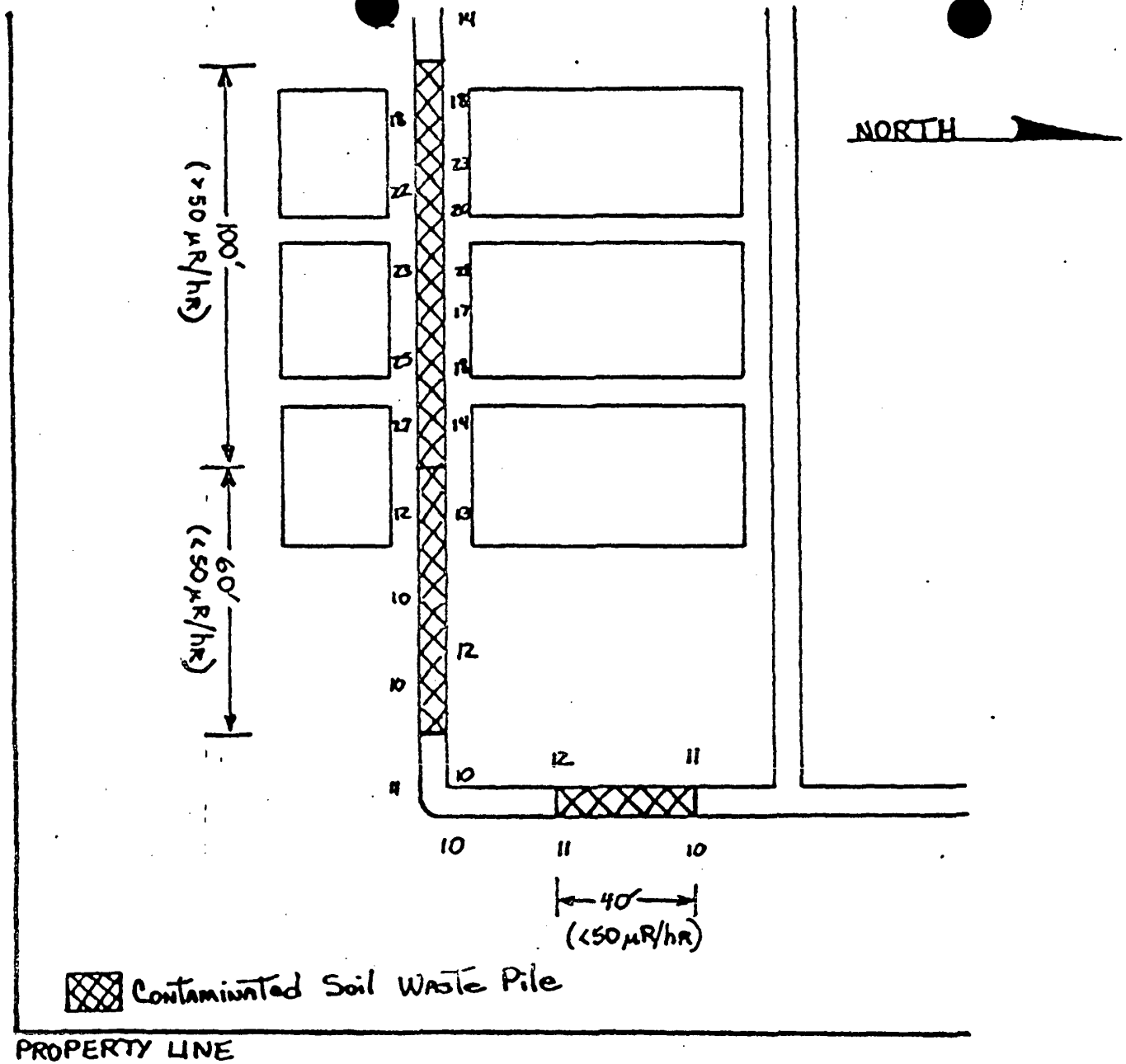
	Soil Depth, cm			
	0-15	15-30	30-45	45-60
A	*	163	30	8
B	*	39	9	2
C	16	6	6	2
D	*	7	5	3
E	*	1	1	1
F	5	0	2	2

* Soil removed from this AREA and stockpiled onsite

80-91

CACTUS
PIPE & SUPPLY

FIGURE 4



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ecology and environment

FIGURE 5

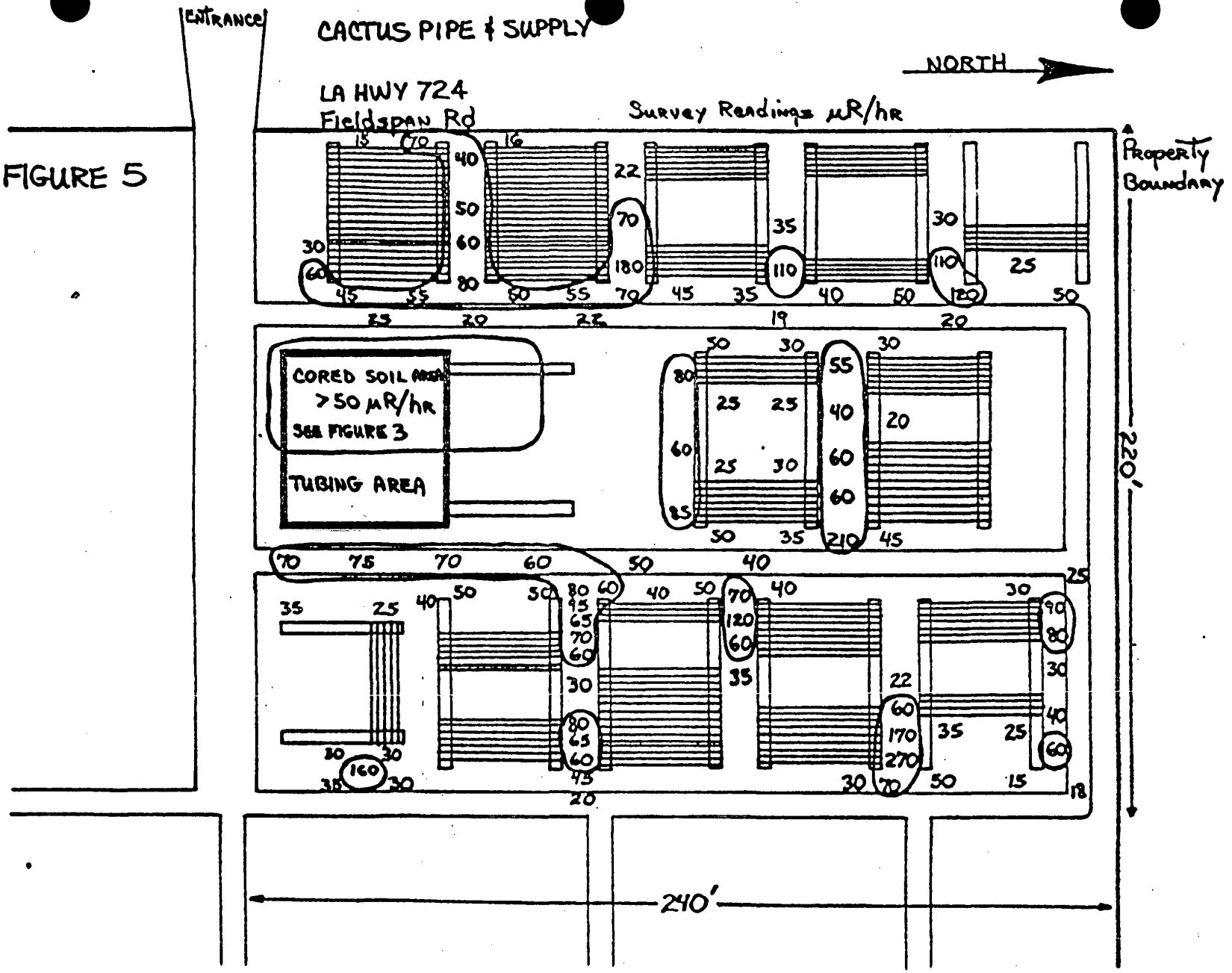
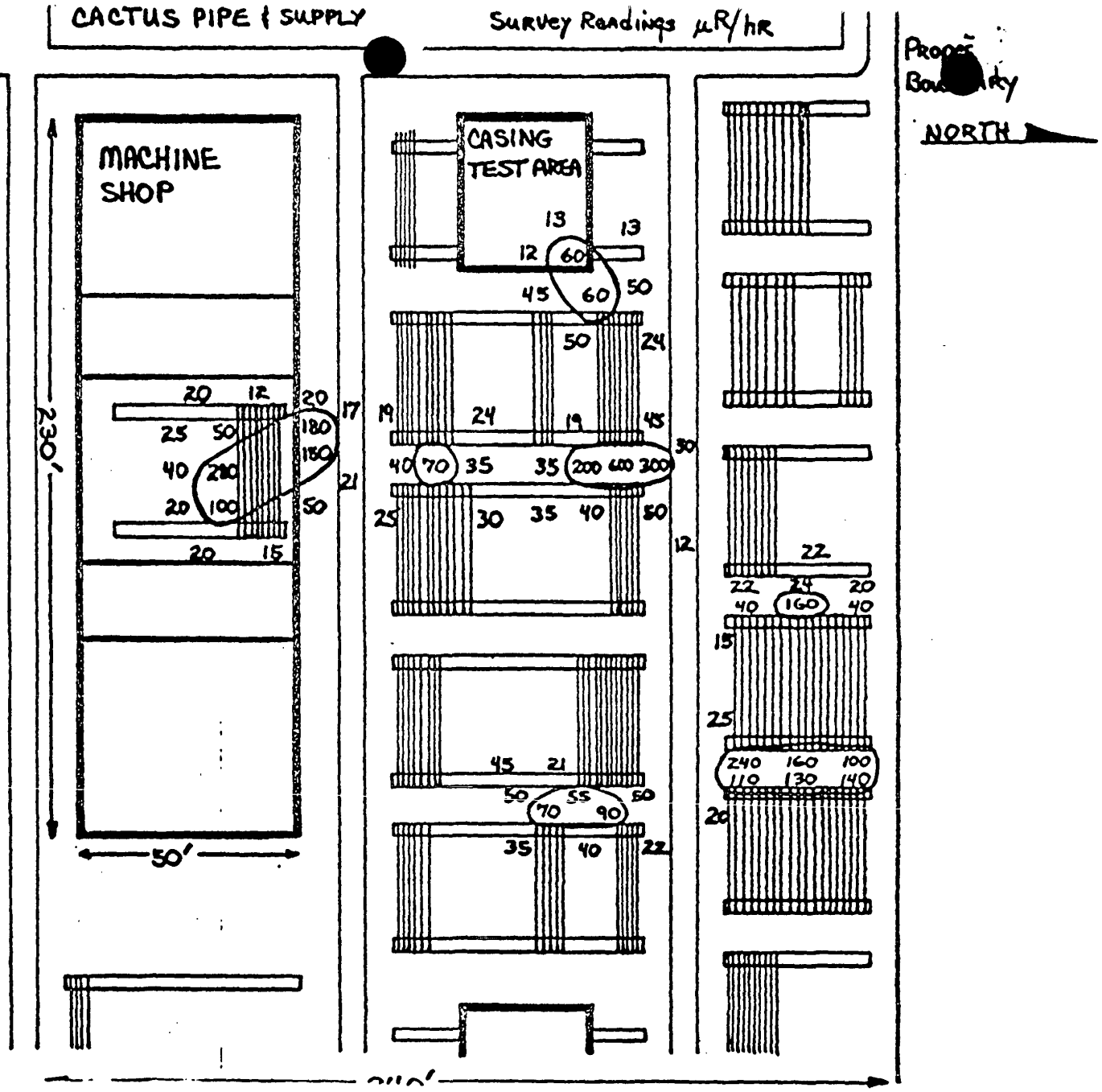

ENTRANCE
CACTUS PIPE & SUPPLY
NORTH
LA HWY 724
Fieldspan Rd
Survey Readings µR/hr
Property Boundary
CORED SOIL AREA
>50 µR/hr
SEE FIGURE 3
TUBING AREA
220'
240'

FIGURE 6



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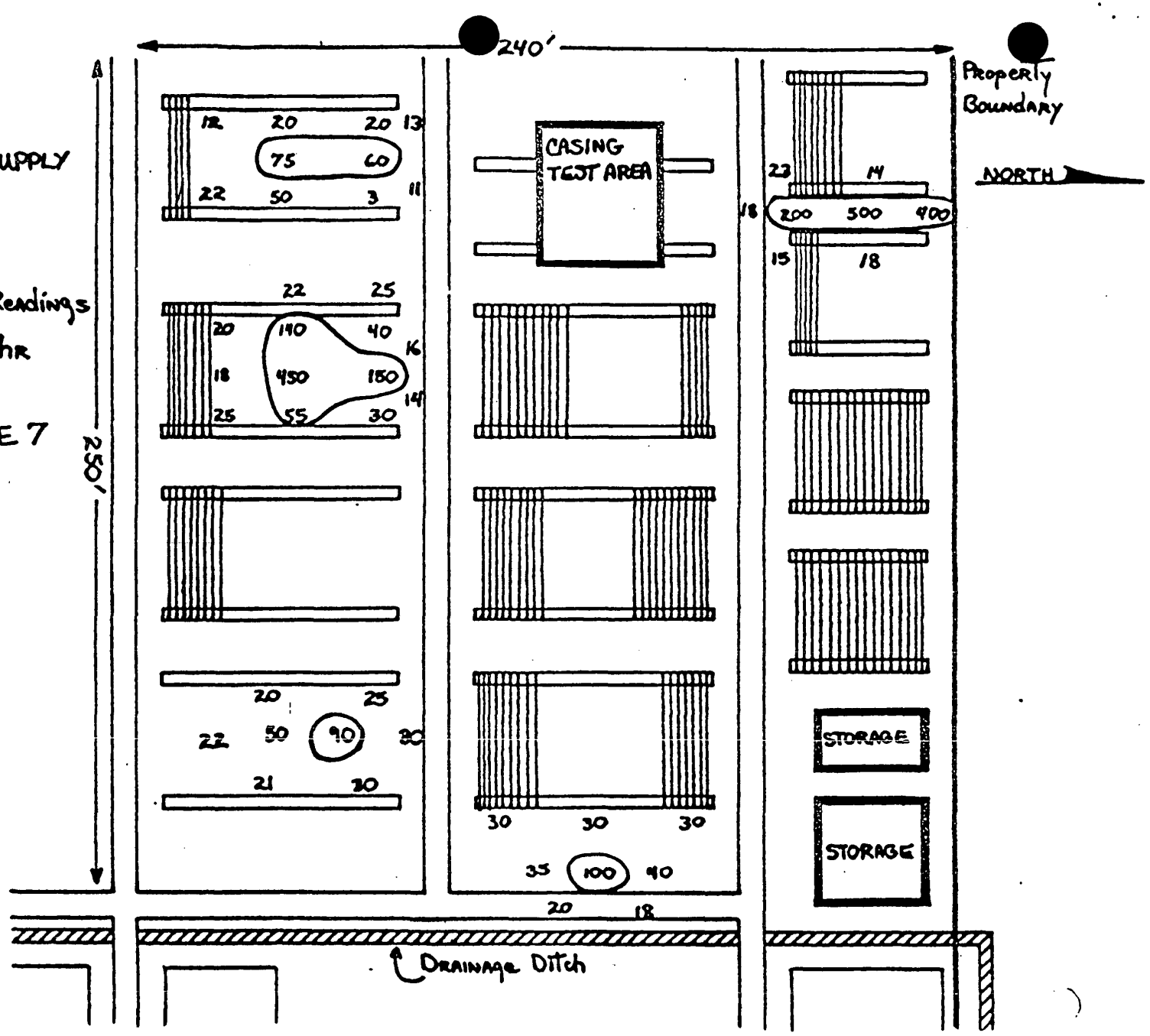
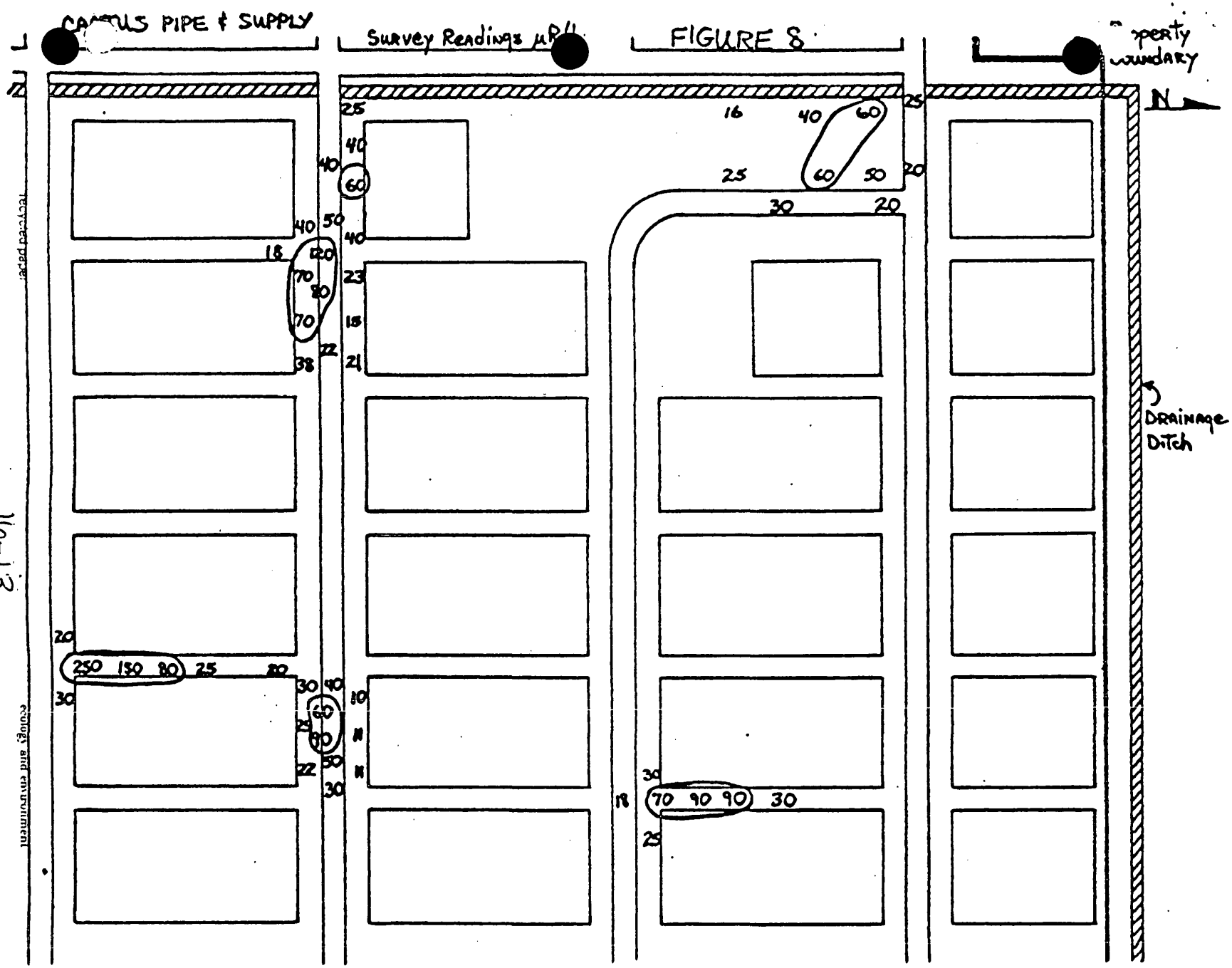
160-11

CACTUS
PIPE & SUPPLY

Survey Readings
μR/hr

FIGURE 7





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NEWPARK ENVIRONMENTAL SERVICES, INC.
P.O.BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

CACTUS PIPE AND SUPPLY
LOCATION: DUSON
SAMPLE DESCRIPTION: TUBING INSPECTION AREA

AUGUST 28, 1990
LAB #: 1LA-3573

CORE #	GROSS cpm	BKG cpm	NET cpm	WET SAMPLE MASS (grams)	Ra-226 pCi/g	ERROR @ 2 S.D. pCi/g
A 6-12"	461	58	403	7.73	163	+2.0
A 12-18"	105	58	47	4.98	30	+2.0
A 18-24"	71	58	13	5.26	8	+1.0
B 6-12"	144	58	86	6.86	39	+1.0
B 12-18"	72	58	14	5.15	9	+1.0
B 18-24"	62	58	4	5.69	2	+1.0
C 0-6"	81	58	23	4.59	16	+2.0
C 6-12"	66	58	8	4.19	6	+2.0
C 12-18"	65	58	7	3.6	6	+2.0
C 18-24"	61	58	3	4.02	2	+2.0
D 6-12"	72	58	14	6.43	7	+1.0
D 12-18"	69	58	11	7.06	5	+1.0
D 18-24"	63	58	5	5.25	3	+1.0
E 6-12"	59	58	1	5.85	1	+1.0
E 12-18"	61	58	3	6.86	1	+1.0
E 18-24"	6	58	2	6.49	1	+1.0
F 0-6"	64	58	6	3.82	5	+2.0
F 6-12"	58	58	0	5.85	0	+1.0
F 12-18"	63	58	5	6.53	2	+1.0
F 18-24"	62	58	4	5.53	2	+1.0

ATTEST Phillip R. Clark

1614

P.O.BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

CACTUS PIPE AND SUPPLY
LOCATION: DUSON
SAMPLE DESCRIPTION: TUBING INSPECTION AREA

AUGUST 28, 1990
LAB #: 1LA-3573

CORE #	GROSS cpm	BKG cpm	NET cpm	WET SAMPLE MASS (grams)	Ra-226 pCi/g	ERROR @ 2 S.D. pCi/g
A 6-12"	461	58	403	7.73	163	+2.0
A 12-18"	105	58	47	4.98	30	+2.0
A 18-24"	71	58	13	5.26	8	+1.0
B 6-12"	144	58	86	6.86	39	+1.0
B 12-18"	72	58	14	5.15	9	+1.0
B 18-24"	62	58	4	5.69	2	+1.0
C 0-6"	81	58	23	4.59	16	+2.0
C 6-12"	66	58	8	4.19	6	+2.0
C 12-18"	65	58	7	3.6	6	+2.0
C 18-24"	61	58	3	4.02	2	+2.0
D 6-12"	72	58	14	6.43	7	+1.0
D 12-18"	69	58	11	7.06	5	+1.0
D 18-24"	63	58	5	5.25	3	+1.0
E 6-12"	59	58	1	5.85	1	+1.0
E 12-18"	61	58	3	6.86	1	+1.0
E 18-24"	6	58	2	6.49	1	+1.0
F 0-6"	64	58	6	3.82	5	+2.0
F 6-12"	58	58	0	5.85	0	+1.0
F 12-18"	63	58	5	6.53	2	+1.0
F 18-24"	62	58	4	5.53	2	+1.0

ATTEST_____

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16-15

NEWPARK ENVIRONMENTAL SERVICES, INC.
P.O.BOX 54024, LAFAYETTE, LA 70505-4024
(318) 233-4445

ACTUS PIPE AND SUPPLY
OCATION: DUSON
AMPLE DESCRIPTION: WASTE PILE

AUGUST 28, 1990
LAB.#: 1LA-3573

CORE #	GROSS cpm	BKG cpm	NET cpm	WET SAMPLE MASS (grams)	Ra-226 pCi/g	ERROR @ 2 S.D. pCi/g
HILL 1 A	426	58	368	5.89	196	+2.0
HILL 1 B	78	58	20	4.62	14	+2.0
HILL 2 A	63	58	5	4.32	4	+2.0

ATTEST

16-16

CERCLIS No.: LA0000605278

Reference 17

TDD No.: S06-00-02-0022

Amanda Bordelon
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name: Albert La Grave
Address: LDEQ - RPD

Phone: 225 765-0143
(Area) (Number)

Subject: Ludlum µR/hr Readings

Date: 5/10/00
(Mo) (Day) (Year)

Time: 3:10 AM PM

[X] Originator Placed Call
[ ] Originator Received Call

TDD# S06-00-02-0022
PAN# 109906SAXX

Discussion:

He want to know why on a NORM Survey the areas greater the 50 µR/hr would be defined. He said this was probably how they ~~date~~ wanted the high readings. There is nothing in the regs. ~~to~~ requiring reading >50µR/hr to be delineated. He also said just knowing the facility is a pipeyard, readings > 50 µR/hr would probably be > 5 pCi/gm of ^{226}Ra therefor NORM contaminated.

He said the best way to conduct the survey is to create a grid ~~the~~ collect sample for laboratory analysis ~~for~~ the high readings.

Follow-Up Action:

Originator's Signature: Amanda Bordelon

17-01

CERCLIS No.: LA0000605278

Reference 18

TDD No.: S06-00-02-0022

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID & HAZARDOUS WASTE
HAZARDOUS WASTE DIVISION

GENERAL INSPECTION

DATE: June 7, 1995 LOG NO:

COMPANY: Geo Pipe f/k/a Cactus Pipe & Supply Co LAD 985173517

MAILING ADDRESS: P.O. Box 51963 IASD ID # 01806
Lafayette, LA 70501

MANAGER: N/A (inactive) TEL: unknown

OPERATION LOCATION: 1.5 mi South of Hwy 90 on Hwy 724
near Duson, La

TYPE OF OPERATION: Former oil field pipeyard, bankrupt

REASON FOR VISIT: Learned of bankruptcy filing and reviewed documentation showing hazardous waste contamination in soil.

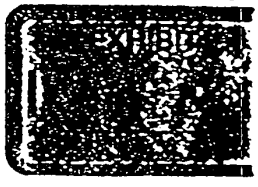
INVESTIGATORS:	PERSONS INTERVIEWED:
Chris Simms.....LDEQ HWD	No one present
Lenny Young.....LDEQ HWD	

NARRATIVE:

Upon being notified that Geo Pipe f/k/a/ Cactus Pipe & Supply had filed for bankruptcy for the location on Hwy 724 near Duson, Louisiana (which notification was accompanied by an Affidavit made by Dr. Phillip O. Clark on behalf of Newpark Environmental Services (Newpark) and related phase I and II assessment reports from 1989 and 1990, and later that the facility had filed for a Motion to Abandon said property, file searches were performed of the LDEQ Hazardous Waste Division (HWD) and LDEQ Radiation Protection Division (RPD) filerooms. Also, a visit was made to the site on June 7, 1995 where apparently, Cactus Pipe & Supply operated from 1971 to 1992 and GEO Pipe operated until March 1995. From these processes, the following evidence was documented.

Generator Status: HWD files under name of Cactus Pipe & Supply (Cactus), LAD 985173517 is a file containing three items in HWD Fileroom on 5th Floor, Bluebonnet Drive, BR location.

The first item is an "Acknowledgement of Notification of Regulated Waste Activity" addressed to Cactus, date unknown.



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and calculations are required by multiple governmental regulations such as those under OSHA, NESCAPS, EPA and LDEQ and others. Pursuant to those measurements, worker awareness training should have taken place which not only centered on safety training and training in radioactive waste and hazardous waste regulations, but also on SARA Title III spill notifications, water quality regulations requiring discharge permits (never obtained as per C. Donlon, 6/6/95 telephone conversation) and prohibitions against storing TENR/NORM waste in uncontainerized, improperly posted waste piles on unauthorized sites in violation of radiation regulations contained in Chapter 4 of LAC 33:XV. The fact that this facility had several evaluations performed does seem to indicate that effort was being made on the part of the pipeyard's management as they became aware of some of the dangers of their processes that had for approximately 18 years of operation, beginning in the Louisiana oil boom years, failed to containerize many significant wastes.

During the June 7, 1995 visit to this site under the permission of the attorneys for Geo/Cactus by Chris Simms and Lenny Young of the HWD, the following visual evidence related to the presence of hazardous waste contamination (as indicated in the Newpark assessment reports previously noted) was photographed: various empty buckets labeled, "Liquid O-Ring, API Modified Thread Compound, contains lead, conforms to API Bulletin 5A2" were scattered around on the ground, drums such as the green one pictured in photo #3 carried labels such as, Corrosive Liquid, Mineral Spirits and several red drums (photo #14) that appeared to be the type used to containerize parts washing solvent. Additionally, as can be seen by comparing the map of photograph locations with the Newpark reports, stained and otherwise polluted soil areas correspond with areas of process activities thoroughly described and designated in those documents. Drums full of unidentified liquids were also found scattered about the site and several open inground sumps (similar sites have been found during LDEQ inspections to generate TENR/NORM and TCLP metal contaminated waste solvents in these types of sumps) full of dark, oily liquids were found. One open drum seen in photo #14 was in a topped to overflowing state with oily brown/black liquid within. Good housekeeping techniques and environmentally sound operation techniques were not evident as there was a considerable quantity of solid waste through many areas of the facility. As depicted in photo #17, some containers of product have been left on-site, the proper classification of which is unknown.

LDEQ RPD File

Licensee status - General. Seven items were found.

Apparently, the file is for the pipeyard located on Hwy 724 and no file exists for the facility located on Sellers Road, both near Duson, Louisiana. This file was photocopied by Jay Pecot of the HWD, from the 3rd Floor RPD Fileroom in Maynard Ketchum Building on Bluebonnet on 6/6/95.

The first item is an inspection report from July 25, 1990. It states that the grounds immediately adjacent to the pipe cleaning equipment (said to be inactive since September 1989) were being excavated and sampled for suspected hazardous waste contents, without worker protection procedures in place. A high reading of 3,000 microroentgens per hour in a background of 6-10 microroentgens per hour was reported. A radium-226 concentration of 1030 pCi/g was listed for a sample of residue taken by the RPD inspector. A second violation was cited for failure to notify the RPD of the location where NORM existed and of the results of confirmatory surveys. Discussion with Dr. Phillip Clark was also documented, concerning the excavation and the resultant material.

The second item consists solely of the first page of a September 6, 1990 Notice of Violation letter (NOV) sent to Cactus as the result of the inspection documented in the first item described above.

The third item is an October 17, 1990 letter sent to RPD (then called the Nuclear Energy Division) in response to the NOV in the second item. It includes a NORM survey using a gamma detector and the analysis of soil cores for radium-226. It includes a statement that indicates that the excavated soil was piled near the rear of the facility and was considered to be hazardous waste (representing the improper storage/disposal of hazardous waste and TENR/NORM). While the report indicates that operations involving used tubulars were discontinued, it states that drill pipe operations (which would have included the removal of lead contaminated residues and use of leaded pipe dope), continued. It also states that contaminated pipe cleaning equipment was identified along with numerous areas of contamination.

The fourth item is an October 22, 1990 letter from Geo Pipe/Cactus to RPD answering several questions related to actions at the facility.

The fifth item is a December 11, 1990 all violations clear letter from RPD to Geo Pipe/Cactus, apparently based upon the responses supplied by Geo Pipe/Cactus to the RPD in the fourth item.

18-03

The sixth item is an inspection report from December 27, 1990 where it was found that workers at the site were not aware of worker protection procedures nor were procedures posted in violation of radiation regulations.

A seventh item is a February 19, 1991 NOV sent as the result of the inspection outlined in item six above.

Commentary - In relation to documentation of TENR/NORM waste at this site: Photo #1 from the 6/7/95 visit by HWD inspectors shows the former pipe cleaning shed where the previously alluded to hazardous TENR/NORM contaminated soil has apparently been excavated, (note the fact that it is holding water. It was also noted during the 6/7/95 visit that a gray Heron was standing in this ponded water illustrating that wildlife is becoming contaminated to some degree at this site).

Photo #15 shows a view of the hazardous waste/TENR/NORM waste pile which has been improperly disposed at the right rear of the facility, near the back fenceline. A sign bearing the words, "Radiation Restricted Area" can be seen in this picture. The sign is almost covered by weeds as is the pile. No containerization, inspection, isolation, or other warning was found. This material could easily be disturbed by an individual who is unaware of it's presence.

Additional Commentary

M y similar pipeyards, most in close proximity to this one, have L visited by various divisions of the LDEQ. Conditions an ogous to those indicated by the data gathered and presented above were noted. In some cases, groundwater assessments demonstrated free phase solvents and hydrocarbon contaminants, contaminated run-off, polluted soils around process areas, non-notification concerning both hazardous and radioactive wastes, improperly stored wastes, a lack of adequate posting and labeling, untrained workers, and contaminated equipment. Therefore, it is advisable that a plan be developed to notify, educate, and assist these types of facilities in identifying and controlling the wastes which they generate. Of particular importance, is that LDEQ work together with the facility operators to institute practical programs to clean up abnormally dangerous sites such as this pipeyard, prior to abandonment. Otherwise, a large degree of risk exists that harm will result to this property, to persons frequenting the area (including those who, live, hike, hunt, farm, fish, or play in or near the area), wildlife, pets, livestock (such as that seen in photo #5 next door to the site), and neighboring property (affected by wind dispersion, run-off, soil erosion, and pollution as a result of this site's pollution).

In relation to the products used at this site, the operators appear to have been untrained and unaware of the harmful characteristics of the wastes they were generating. This would explain the fact that they were allowed to flow unimpeded into the surrounding environment. Since this improper disposal took place under unmonitored conditions, the dispersal was wide and indiscriminate. This has created a permanent harm to the site because all of the contamination can never been removed and disposed. The radioactive material involved can be taken up by growing plants and could conceivably contaminate foodstuffs and wild game. The half-life of radium-226 is 1600 years, meaning that it will be many thousands of years before the radioactive material will be depleted. During that time, it will continue to be a hazard in the form of alpha contamination, a source of elevated background radiation, a potential land, water and air contaminant, and an emission source of radioactive gas in the form of radon. It is also noted that no evaluations of the presence of radium-228 have been made. A particular threat may be that children could enter the area and play around the contamination. Also, the surface disposal may adversely effect both contemporary and future generations and interfere with the rights of Louisiana citizens to public safety, health, and liberty.

Hazardous Leaded Pipe Dope Quantity Calculation

Assuming that 240 fifty pound buckets of leaded pipe dope per year were applied onto pipe threads over bare soil or areas that drained to bare soil, if 10% of this material ended up on the ground, then about 1200 lbs per year or a total of 33,600 pounds of 60% leaded dope were spilled. To this quantity would also be added the residual leaded pipe dope that was scraped off of used casing and tubing (assume an additional 10%) resulting in a grand total of 67,200 pounds of 60% leaded pipe dope that have been released onto this site as the result of 23 years of operation.

No attempt is made to calculate the total amount of hydrocarbon, solvents, and other potentially hazardous wastes and process effluents that might be present on this site. However, as noted, previously, the summarized documentation from environmental assessments made at this facility provides strong indication that such materials were used and spilled onto the site. This quantity of waste pipe dope is deemed to be very significant.

It is strongly recommended that an enforcement action be issued to the facility's owners for the following violations of the Louisiana Hazardous Waste Regulations:

1. Generator failed to notify the administrative authority within seven days of the generation of D008, used oil, and spent solvents at the Duson facility, in violation of LAC 33:V.1105.B.

Note - Attachment D. to this report includes reports generated by Newpark Environmental Services (Newpark) from environmental assessments performed at this facility in 1989 and 1990. These reports clearly indicate that D008 and other hazardous wastes were being generated as a result of the facility's processes. However, the generator failed to submit an updated HW-1 Notification of Hazardous Waste Activity showing these wastes. Hazardous wastes reported on the annual reports submitted by the facility for the years of 1992, 1993, and 1994, but not reflected on the HW-1 form include: D006, D008, and D039. In a 6/15/95 conversation with officials at Safety-Kleen of Pineville, the hazardous waste transporter and designated facility listed on these annual reports, the last shipment of waste was picked up from the Duson pipeyard on 5/17/95. The waste manifested in that shipment carried an additional listing as D035 and D040 and consisted of spent "Mineral Spirits - 105." It appears that this waste should also have carried a listing as F001.

2. Generator accumulated D008 waste on-site for greater than ninety days without a permit, in violation of LAC 33:V.1109.E.

Note - As stated in the Affidavit filed by Dr. Phillip Clark of Newpark on May 16, 1995, in Item 9., the generator excavated soils which had been shown to contain lead at hazardous levels and stockpiled it near the southeast corner of the property. This wastepile was observed by representatives of the Division during the site visit on June 7, 1995.

3. Generator failed to design, construct, maintain, or operate the facility to minimize the release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Note - The reports created by Newpark, clearly state that hazardous waste and hazardous waste constituents had been and were being released to the soil and water. However, as can be seen in the attached photos taken of the site on June 7, 1995, these conditions were still existant (open sumps containing oily liquids, open drums of oily liquids, uncontainerized wastepiles, etc.).

4. Generator failed to clean up spilled material or material trapped in sumps that is a hazardous waste or that will be disposed of as a hazardous waste, in a timely manner, in violation of LAC 33:V.1121.

Note - Newpark's report showed that hazardous levels of leachable lead contaminated soil existed in the casing inspection, rear casing testing area and tubing cleaning/testing area, although most of these areas were never cleaned up. Other grossly contaminated soil areas can be noted in the photos taken on June 7, 1995. The presence of large areas of soil contamination discussed by Newpark around virtually all process areas, indicate that the generator was not cleaning up spills of product and wastes as they occurred but rather was allowing them to accumulate in the soil and water around the site. Additionally, Newpark cited the overflowing of sumps containing hazardous constituents, as a source of contamination at the site.

5. Generator disposed of hazardous waste on-site at the Duson facility without a permit, in violation of LAC 33:V.303.B.

Note - The Newpark documentation describes the use of flammable liquids, corrosive materials, toxic metal containing products, solvents and fuels and the generation of wastes related to their use, at this site. However, only spent parts washing solvents were ever manifested from the site for proper disposal. The wastes have therefore, been disposed of onto or into the soil and waters around this site without a permit. The D008 contaminated wastepile at the southeast corner of the property is one such example.

18-07

In addition to these violations of the Louisiana Hazardous Waste Regulations, obvious violations of environmental statutes enforced by other divisions of the LDEQ have occurred, such as those regulated by Water Quality and Water Pollution Control (unpermitted discharges), Radiation Protection (unauthorized and unpermitted remediation of TENR/NORM contaminated soil, storage of TENR/NORM waste in a wastepile, inadequate posting, etc.), and Solid Waste (improper disposal of solid waste). These violations have created hazardous conditions at the site which should be addressed as soon as possible to mitigate the negative impact upon human health and the environment.

REPORT BY:	REVIEWED BY:
Christopher G Simms Coordinator	Wayne J Desselle Enforcement Program Manager

Attachments: A). Photo Log, B). HWD files, C). RPD files. D). Historical documentation about the pipeyard, supplied by C. Donlon, LDEQ Attorney, E). Annual Reports for 1992, 1993, and 1994.

CERCLIS No.: LA0000605278

Reference 19

TDD No.: S06-00-02-0022

State of Louisiana

Department of Environmental Quality

Edwin W. Edwards
Governor

William A. Kucharski
Secretary

June 9, 1995

MEMORANDUM

TO: Caroline C. Donlon, Senior Attorney
Legal Division

FROM: Michael Henry, Program Manager MH
Radiation Protection Division

VIA: Tom Patterson, Asst. Administrator

RE: GEO Pipe/Cactus Pipe TASD ID # 01806
Duson, Louisiana

Pursuant to our telephone conversation of this date, we are enclosing a copy of the report detailing the results of an inspection of the abandoned Cactus Pipe site performed yesterday.

In accordance with LAC 33:XV.1408.E., the above referenced site and equipment is contaminated with NORM in excess of the levels set forth in LAC 33:XV. 1404 and shall not be released for unrestricted use.

"Imminent and identifiable harm" would be a factor if workers were to attempt site remediation or equipment cleanup without taking proper precautions. The obvious pathways would be inhalation and ingestion.

Also, if a residence or other occupied structure was built over areas containing high levels of Ra-266 contamination such as those existing on parts of the site, radon generated during the decay of the radium might enter the structure and pose an imminent danger to occupants from inhalation of this known carcinogen.

While the Division does not have the resources to perform an accurate estimate of what it would cost to clean up this site so that it would meet the criteria for release to unrestricted use, we do feel that the $100,000 in available funds would <u>not</u> be adequate. Based on the costs of much smaller jobs that we have seen, we feel that it would take many times that much to complete such a cleanup.

19-01

OFFICE OF AIR QUALITY RADIATION PROTECTION DIVISION P.O. BOX 82135 BATON ROUGE, LOUISIANA 70884-2135
TELEPHONE (504) 765-0160 FAX (504) 765-0220

INSPECTION REPORT

LICENSEE: GEO-Cactus Pipe & Supply Co.
P.O. Box 51963, O.C.S.
Lafayette, LA 70501

INSPECTION DATE:
June 8, 1995

LICENSE NO: LA-004A-N01

REPORT DATE:
June 9, 1995

INSPECTOR: Michael Henry
Health Physicist

REPORT BY: Michael Henry

PERSONS INTERVIEWED:
No GEO personnel available
Caroline Donlon
Attorney, DEQ

INSPECTION SUMMARY:

On Friday, June 2, 1995, Caroline Donlon requested the Division perform an inspection of the GEO-Cactus abandoned pipeyard in Duson, La. Jay Mason visited the site on June 5, only to determine that the site is secured with a chain link fence, barbed wire, and padlocked gates. In addition, the fence is posted with "PRIVATE PROPERTY - NO TRESPASSING" signs. It is also posted with signs indicating "AREA ELECTRONICALLY PROTECTED BY ACADIANA ALARM SYSTEMS". It appears, however, that the power to the facility was cut off from the utility pole. This followup inspection was performed following the advice of Ms. Caroline C. Donlon, DEQ Senior Attorney.

Background was measured outside and near the fence with a Ludlum Model 18 equipped with a NaI probe calibrated by Amersham on December 7, 1994. The average background reading ranges from 8 to 10 µR/hr. The highest reading recorded on the site was approximately 2.5 Mr/hr at a point beneath the pipe cleaning machine under the covered shed. A sample of this material taken in 1990 by the Division indicated that the surface material contained a Ra-226 concentration of 1030 Pci/gm. The machine itself is coated with pipe scale reading in access of 150 µR/hr. This area is extensively contaminated, with readings of about 40µR/hr on the adjacent shell road. The cleaning area is posted on all four corners with "Caution Radiation Area" signs.

Much of the pipecleaning area is under water, and their are sumps full of water and oily substances. The confirmatory survey performed by Newpark Environmental Services in 1990 appears to adequately characterize the radiological condition of the site. The inspector was able to confirm many of the readings indicated on the survey, and the site appears to be unchanged since the 1990 survey.

There are numerous hot spots reading 100 to 250 µR/hr throughout the site, and the spots appear to be pipescale on the ground surface. It was noted that readings decrease as one approaches the fence separating the site from the adjacent pasture which contains livestock. Readings at this fence decrease to about 13 to 15 µR/hr, indicating that little migration appears to have occurred in that direction.

At the rear of the property, in the back right hand corner as one faces the site from Hwy 724, two rather large piles of soil and shell have been stockpiled. One of the piles appeared to read only a little over background, about 12 µR/hr. The other pile, which is about 8 feet high and about 25 yards long, reads about 40 to 50 µR/hr across the top. Sampling at this location by a third party indicated soil contamination levels of 196 Pci/gm. The piles are posted with "Radiation - Restricted Area" signs. The piles are almost completely obscured by tall grass.

Finally, there are numerous abandoned truck tires scattered about, and there are clusters of drums in many areas of the site. Pipedope, oils, and other substances appear to be contained in many of the rusting drums.

RECOMMENDATIONS:

Due to the presence of extensive NORM soil contamination and equipment contamination, this site should not be released to unrestricted use.

By: Michael Henty

Date: 6-9-95

Reviewed By: Tom Patterson

Date: 6-10-95

19-03

CERCLIS No.: LA0000605278

Reference 20

TDD No.: S06-00-02-0022

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID & HAZARDOUS WASTE
HAZARDOUS WASTE DIVISION

SAMPLING INSPECTION

DATE: June 21, 1995 LOG NO:

COMPANY: Geo Pipe f/k/a Cactus Pipe & Supply Co LAD 985173517

MAILING ADDRESS: P.O. Box 51963
Lafayette, LA 70501

MANAGER: N/A (inactive) TEL: unknown

OPERATION LOCATION: 1.5 mi South of Hwy 90 on Hwy 724
near Duson, La

TYPE OF OPERATION: Former oil field pipeyard, bankrupt

REASON FOR VISIT: Sampling inspection conducted to characterize contamination at this unoccupied oilfield pipeyard, for use in evaluating the generator's Motion to Abandon this property.

INVESTIGATORS:	PERSONS INTERVIEWED:
Chris Simms.....LDEQ HWD	Pat Ready via phone
Jack Deshotels..LDEQ WQD	(former Manager)
Martha Zastrow..LDEQ GWD	
Jimmy Courcier..LDEQ GWD	
Claude Chachere.LDEQ SWD	
Larry Bearb.....LDEQ SWD	
Mike Sullivan...LDEQ RPD	
Mike Picou.....LDEQ USTD	

* Note: Hazardous Waste Division (HWD), Water Quality Division (WQD), Groundwater Division (GWD), Radiation Protection Division (RPD), Underground Storage Tank Division (USTD)

NARRATIVE:

Upon being notified that Geo Pipe f/k/a/ Cactus Pipe & Supply had filed for bankruptcy for the location on Hwy 724 near Duson, Louisiana (which notification was accompanied by an affidavit made by Dr. Phillip O. Clark on behalf of Newpark Environmental Services (Newpark) and related phase I and II assessment reports from 1989 and 1990, and later that the facility had filed for a Motion to Abandon said property, a visit was made to the site on June 7, 1995 where apparently, Cactus Pipe & Supply operated from 1971 to 1992 and GEO Pipe operated until May 1995. A report was filed previously to document that visit.

On June 21, 1995, a return visit was made to the site for the purpose of collecting samples and taking additional photographs. At that time, representatives from several other divisions of LDEQ from the Acadianna Regional Office met this inspector at the site to evaluate the property from their individual regulatory perspectives and to assist in collecting samples. This report documents that inspection.

As arranged prior to the inspection, Mr. Pat Ready, the former Manager of this pipeyard, arrived at the site and opened the facility's main gate at about 7:50 am, after which he left the site.

Jack Deshotels of LDEQ/WQD sampled two in-ground sumps for water quality analysis. He designated these as Sump #9 and Sump # 12A. These designations reflect numbers assigned to the specific areas where these sumps are located on the attached "Site Utilization" map which was copied from the aforementioned Newpark assessment report. The first of these is located in the immediate area of the Tubing cleaning/inspection shed (pipe cleaning shed) and is denoted as Sump #9 on the attached sample documentation. The second is in a process area labeled on the site utilization map as as a "Casing/hydrostatic testing" area (pictured in Photos #9 and #10) and is denoted as Sump #12A. Both concrete-lined sumps are covered by iron gratings and were observed to be full of brownish, oily liquid with a heavy petroleum odor. Mr. Deshotels split two of his sediment samples from each of these two sumps and provided them to the HWD inspector. These four, 16 ounce sludge samples were analyzed for TCLP metals content by the HWD's contract laboratory.

Jimmy Courcier and Martha Zastrow of the LDEQ/GWD sampled two soil locations. The first of these was in the former machine shop area where the soil surface contained multi-colored contaminants. Dirt extracted during that procedure exhibited a distinct gray color as can be noted in Photos #4 and #5. The second sample was taken adjacent to a concrete slab situated further towards the rear of the facility from the first sample location in an area near the third in-ground sump on the property. This location coincides with the second area designated on Newpark's Site Utilization map with the number 12, described as a casing/hydrostatic testing area (a third sump which was not sampled is located nearby). This spot showed signs of extremely heavy contamination that formed a thick, black layer over the soil. A hole was discovered at this spot that appears to be one of the bore-holes made by Newpark during their assessment of this site. It can be seen in Photos #2 and #3. At the time of this inspection, the hole contained a viscous, reddish-brown liquid. Soil from the bottom of this hole was sampled by the GWD representatives (GWD sample results not yet available).

120-02

Mike Picou of the LDEQ/USTD utilized a soil gas probe in a sandy area around the middle of the two soil sample locations to test for volatile organic vapors in the subsurface. He reported a reading of 100 meter units at a depth of 9 feet. The spot where this reading was obtained was documented in Photo #1. Equipment problems prevented Mr. Picou from conducting further evaluation.

Photos #6 through #10 were taken of several containers of product that have been left on the property and of the closest farm/residence. It is located on Fieldspan Road on the north boundary of the facility and is approximately 70 feet from Sump #12A.

SAMPLE RESULTS:

HWD Sample Analysis

TCLP metal content reported for the two samples taken of sediments from Sump #9 in the pipe cleaning shed area showed TCLP lead concentrations of 200 ppm and 11 ppm.

TCLP metal content reported for the two samples taken of sediments from Sump #12A showed TCLP lead concentrations of 5.5 ppm and 65 ppm.

Discussion

The concentrations reported for all four samples is above the 5 ppm regulatory limit for classification as a Category II hazardous waste for leachable lead content. Therefore, these units, which fit the regulatory definition of tanks, would appropriately be classified as hazardous waste management units and their content as hazardous waste. A particular concern exists related to the further contamination of the surrounding soil because these "tanks" are not closed and are subject to overfilling during rainfall events. The administrative authority has not been notified by the waste generator of the presence of these hazardous waste management units, although historical documentation discussed in the aforementioned June 7, 1995 inspection report shows they have been in operation for about twenty years. Perhaps the greatest cause for concern is that the Newpark assessment report indicates that the contents of these sumps were periodically released into the surrounding environs when the sumps were emptied. They have apparently never been closed, inspected, certified for integrity, equipped with secondary containment, or permitted, all of which have been required by federal and state regulations since 1984.

At the current time, the operator of these non-compliant hazardous waste management units intends to abandon them along with this property without adequately assessing, remediating, and disposing of their contents and undergoing the required closure procedures. Neither has an adequate assessment and remediation been made at this time of the surrounding property which contains obvious contamination indicative of indescriminant and wanton disposal of harmful chemicals and process effluent.

WQD Sample Analysis

The attached results show total metals content of the four samples analyzed by the LDEQ Water Laboratory.

The two samples taken of the sediments in Sump #9 showed the following total metal concentrations:

Sample #1 lead = 55,917 ppm, chromium = 444 ppm,
zinc = 22,745, barium = 9,152

Sample #2 lead = 22,727 ppm, chromium = 124 ppm,
zinc = 21,474, barium = 23,170 ppm

The two samples taken of the sediments in Sump #12A showed the following total metal concentrations:

Sample #3 lead = 4,312 ppm, chromium = 48.8 ppm,
zinc = 4,444, barium = 9,148

Sample #4 lead = 818 ppm, chromium = <5 ppm,
zinc = 1,129, barium = 7,981 ppm

These levels indicate the significant toxicity that the contents of these sumps contain. Although it appears that the majority of the metals in this material are not extractable, their threat to health is not predicated on that characteristic. It is notable that clean-up criteria for soils contaminated with hazardous waste is usually based upon total concentrations and not upon TCLP concentrations, which are primarily designed as disposal criteria.

REPORT BY: REVIEWED BY:

Christopher G Simms
Coordinator

Wayne J Desselle
Enforcement Program Manager

20-04

LIST OF ATTACHMENTS

FOR

JUNE 21, 1995 SAMPLING INSPECTION REPORT

A. Site Utilization Map.

B. Photogragh Log.

C. HWD Sample Analysis Results.

D. WQD Sample Analysis Results.

ATTACHMENT A.

TO
GEO PIPE/CACTUS SAMPLING INSPECTION REPORT
OF
JUNE 21, 1995

SITE UTILIZATION MAP

90.06

ATTACHMENT B.

TO
GEO PIPE/CACTUS SAMPLING INSPECTION REPORT
OF
JUNE 21, 1995

PHOTOGRAPH LOG

PHOTOGRAPH LOG

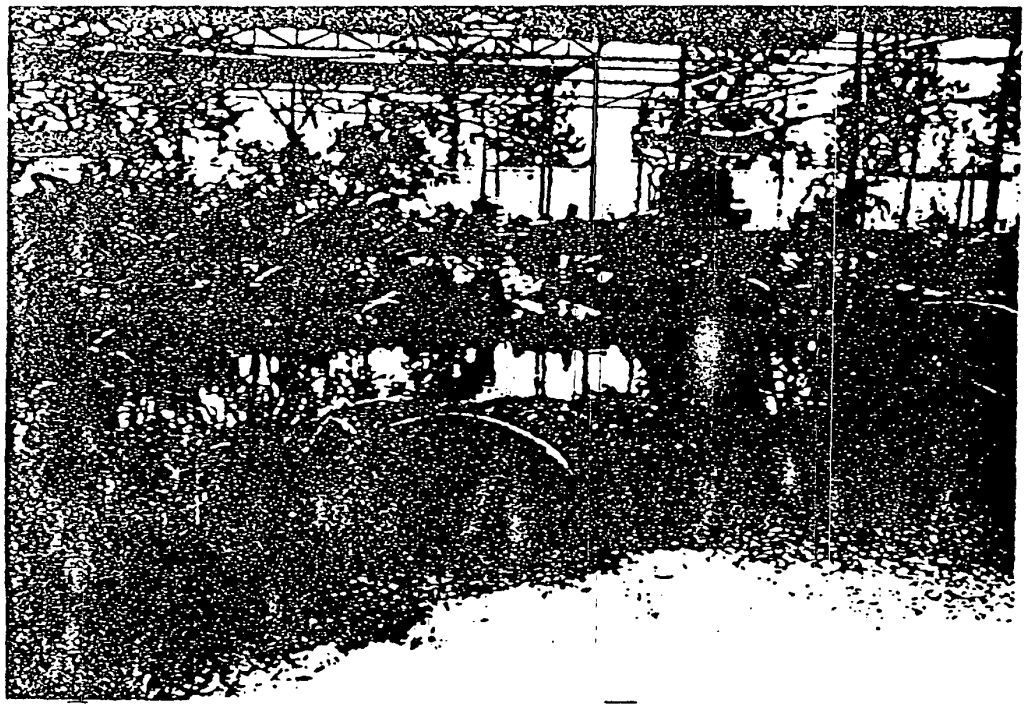
Photograph log for June 7, 1995 inspection by HWD employees C.Simms and L. Young of Geo Pipe f/k/a/ Cactus Pipe & Supply Company oil field pipeyard on Hwy 724 in Lafayette Parish, near Duson, Louisiana.

Throughout the 1 hour and 25 minute photographing period, the weather was partly cloudy with a temperature in the low 90's (degrees Fahrenheit).

Official Photograph #1
LA Department of Environmental Quality

Subject: Former tubing cleaning/testing shed, showing accumulated water

Location: facing west, see map
Time: 3:45 pm Photographer: LMY



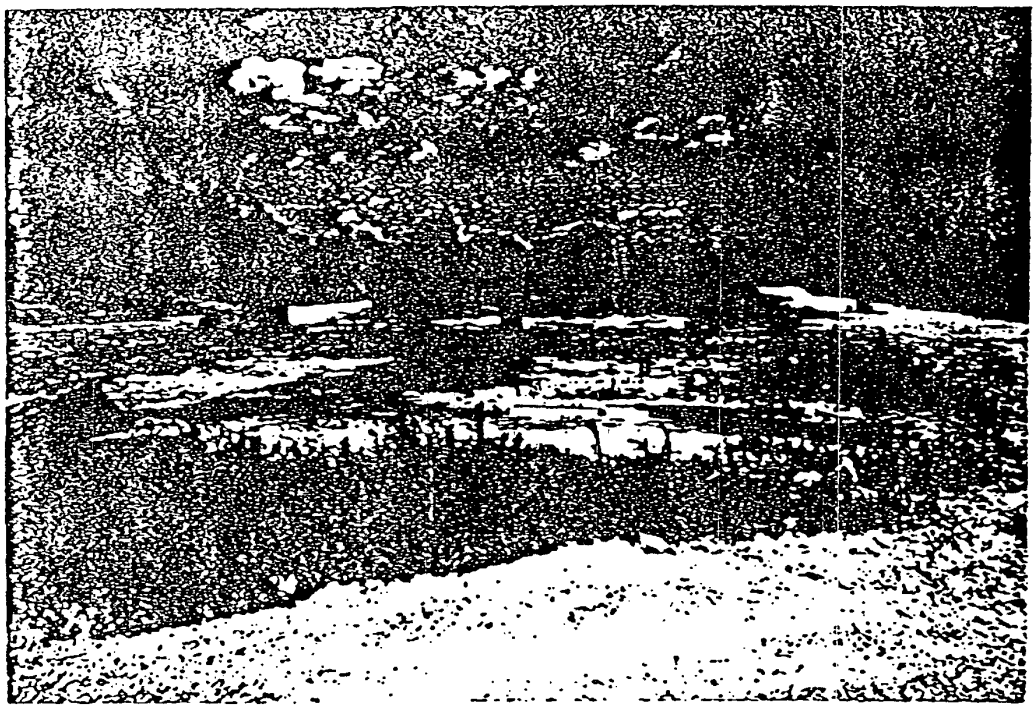
EXHIBIT

20-08

Official Photograph #2
LA Department of Environmental Quality

Subject: Oil stained soil in former machine shop area, drums

Location: facing east, see map
Time: 3:50 pm Photographer: LMY

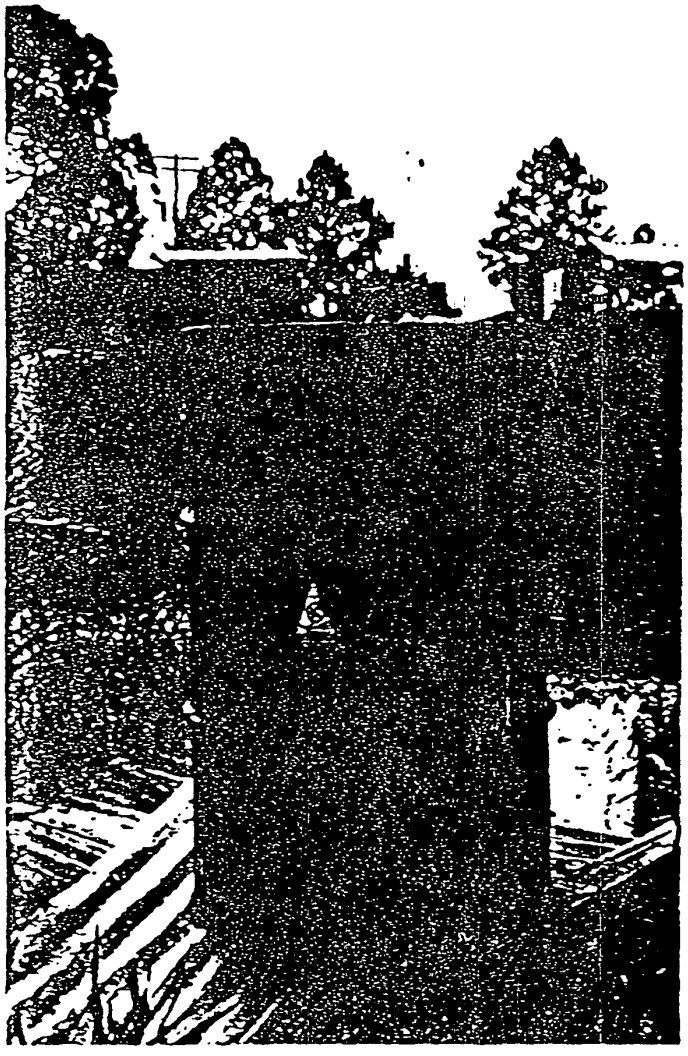


Official Photograph #3
LA Department of Environmental Quality

Subject: Green drum, approximately 1/3 full, closed, labeled "hazardous when empty" and "Combustible Liquid, N.O.S."

Location: facing northwest, opposite entrance drive from spot where Photo #2 taken, see map

Time: 3:53 pm Photographer: LMY



EXHIBIT

20-10

Official Photograph #4
LA Department of Environmental Quality

Subject: Oily ground and holes, pipe dope application brushes

Location: facing southwest, see map
Time: 4:04 pm Photographer: LMY

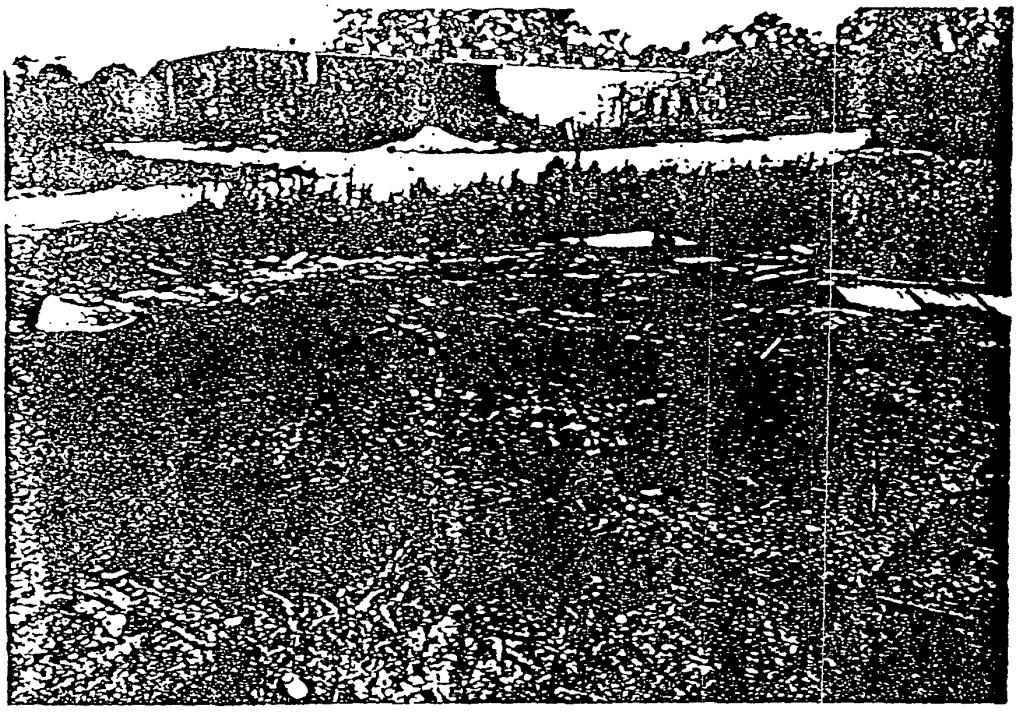


EXHIBIT
24

Official Photograph #5
LA Department of Environmental Quality

Subject: Drums and stained ground area. Some drums full. Debris on ground. Nearby livestock.

Location: facing north, see map

Time: 4:07 pm Photographer: LMY

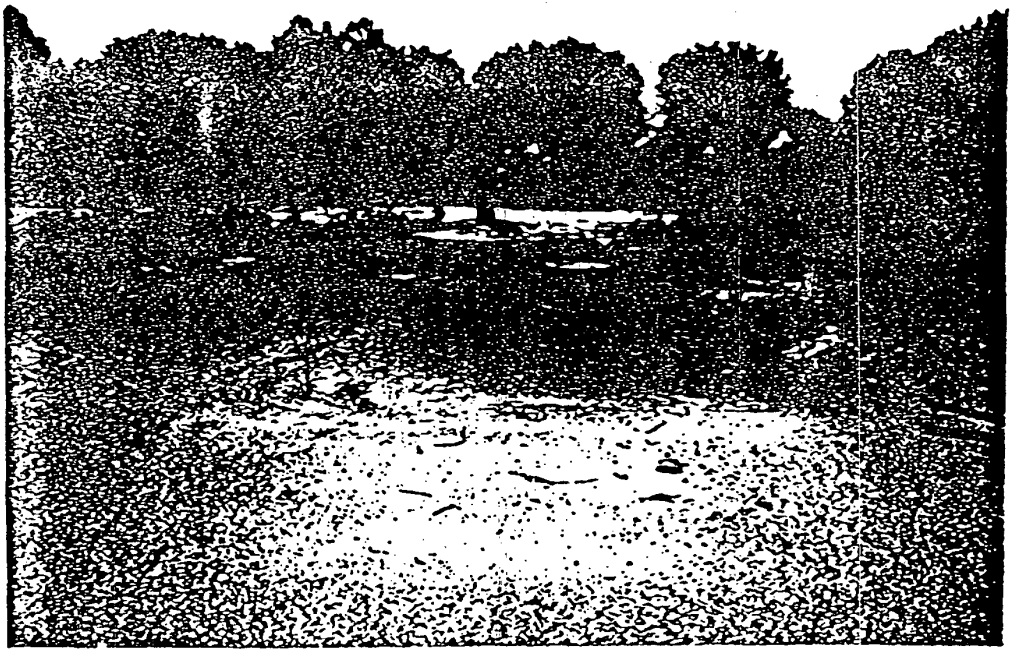


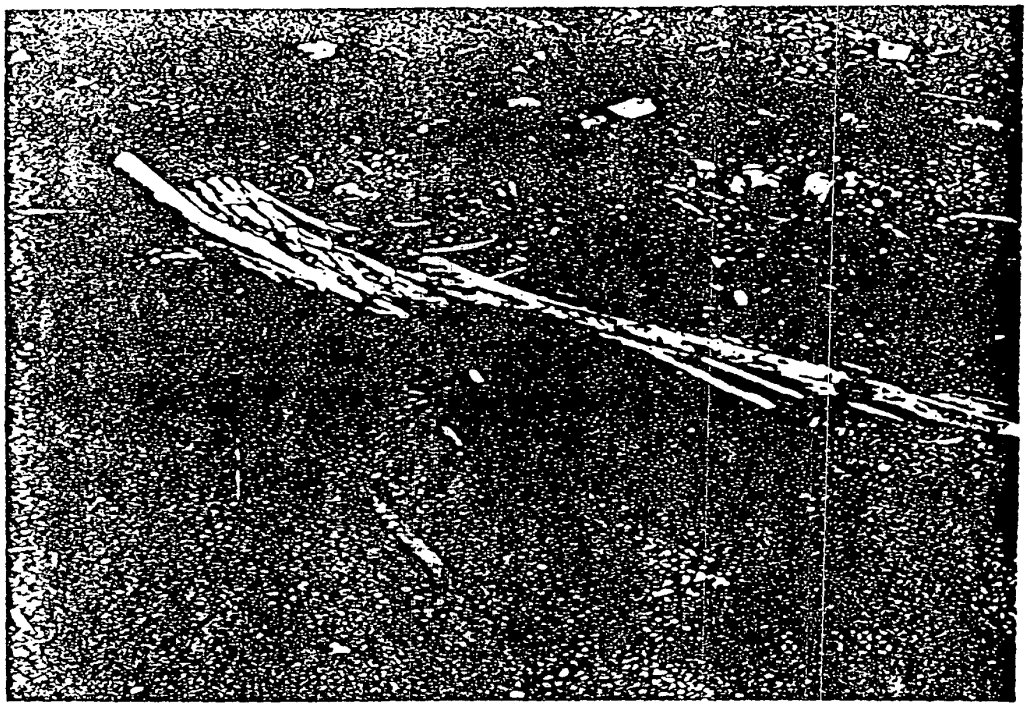
EXHIBIT
A5

20-12

Official Photograph #6
LA Department of Environmental Quality

Subject: Pipe dope brush in contaminated area, shows that no soil barriers were used to prevent pipe dope and other materials from being deposited on the soil.

Location: facing east, same contaminated area as seen in background of photo #5, see map
Time: 4:10 pm Photographer: LMY



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20-13

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EXHIBIT
A6

Official Photograph #7
LA Department of Environmental Quality

Subject: Debris, pipe dope brushes, end caps, sump, empty drums, nearby farms and residences.

Location: facing northeast, see map
Time: 4:13 pm Photographer: LMY

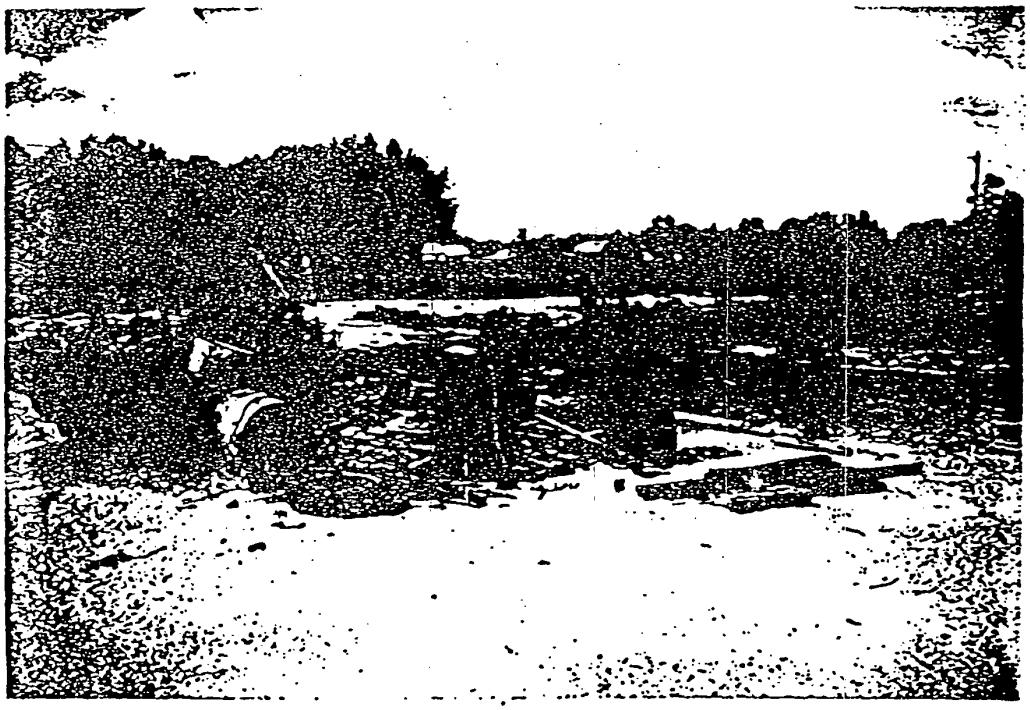

EXHIBIT A7

20-14

Official Photograph #8
LA Department of Environmental Quality

Subject: Close up photo of sump seen in photo 7, pipe dope brush on grate. Sump is full of brown, oily water, overflow is evident, surrounding soil is heavily contaminated with pipe coatings, hole in foreground.

Location: facing northwest, see map
Time: 4:15 pm Photographer: LMY

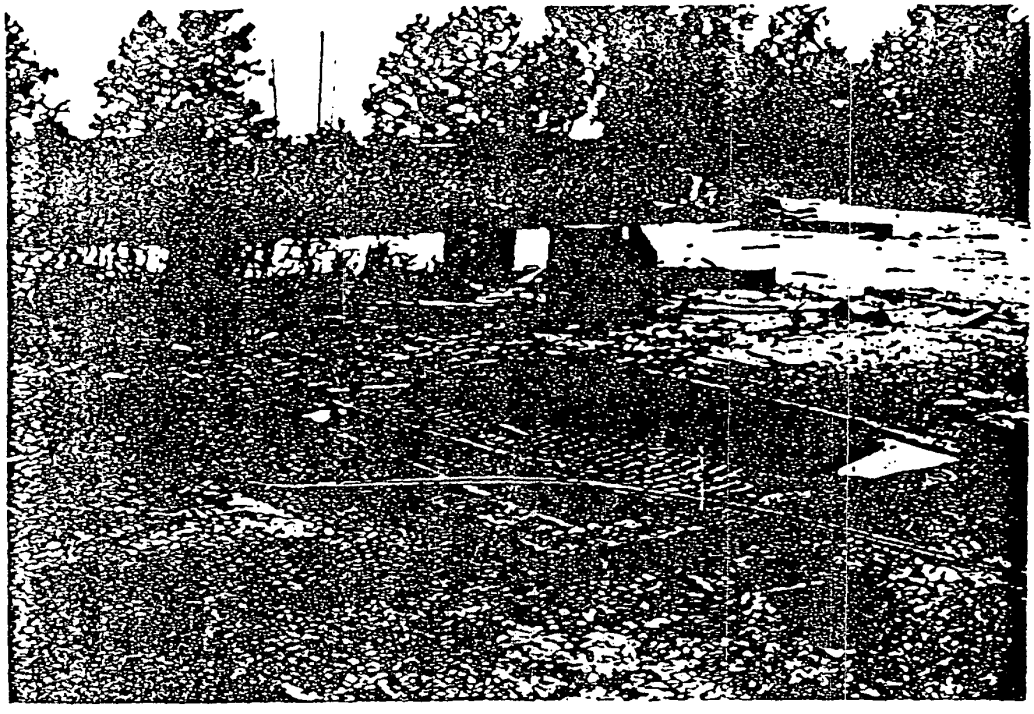

EXHIBIT
A8

Official Photograph #9
LA Department of Environmental Quality

Subject: Close up showing some of the garbage on the property i.e., broken glass, trash, oily contaminated soil, contaminated pallets, metal, etc.

Location: facing north, see map
Time: 4:16 pm Photographer: LMY

20-16

EXHIBIT
A9

Official Photograph #10
LA Department of Environmental Quality

Subject: Close of heavy contamination in former process area, metal shavings, spilled product and oily wastes, sharp rusty objects, concrete slabs, contaminated sand, NORM waste, pipes.

Location: facing west, see map
Time: 4:19 pm Photographer: LMY

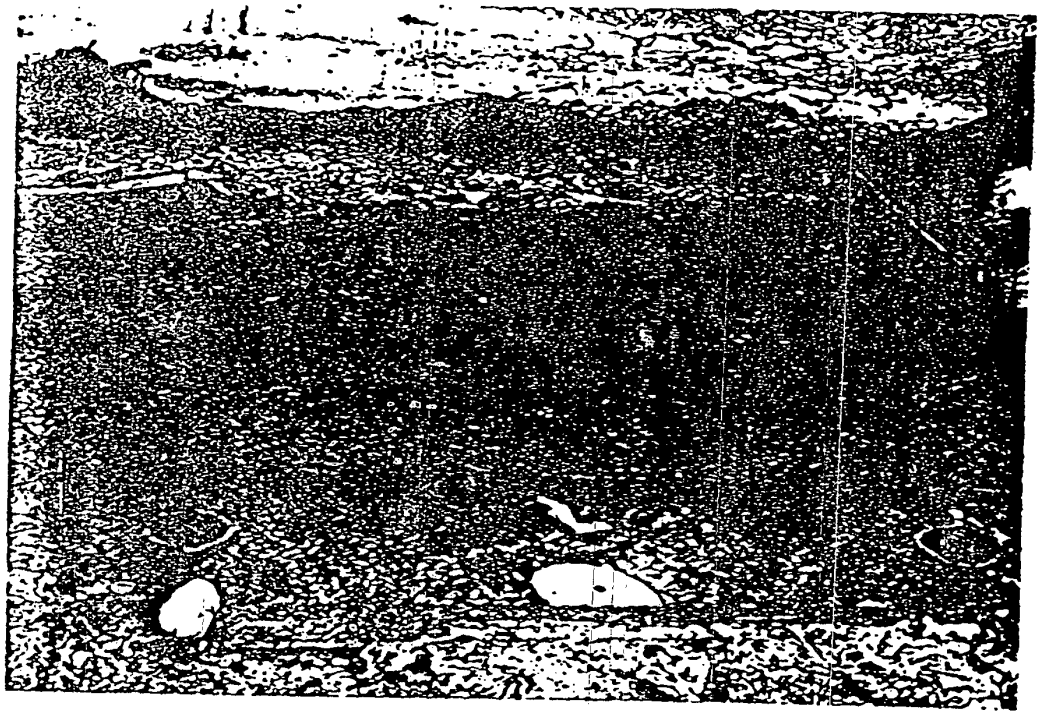

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EXHIBIT
A01

Official Photograph #11
LA Department of Environmental Quality

Subject: Close up of label on one of the dozen or so green pipe dope buckets observed around the site. Label wording, "API Modified Thread Compound Liquid O-Ring 300, Warning - Contains lead, conforms to API Bulletin 5A2"

Location: facing north, see map
Time: 4:25 pm Photographer: LMY

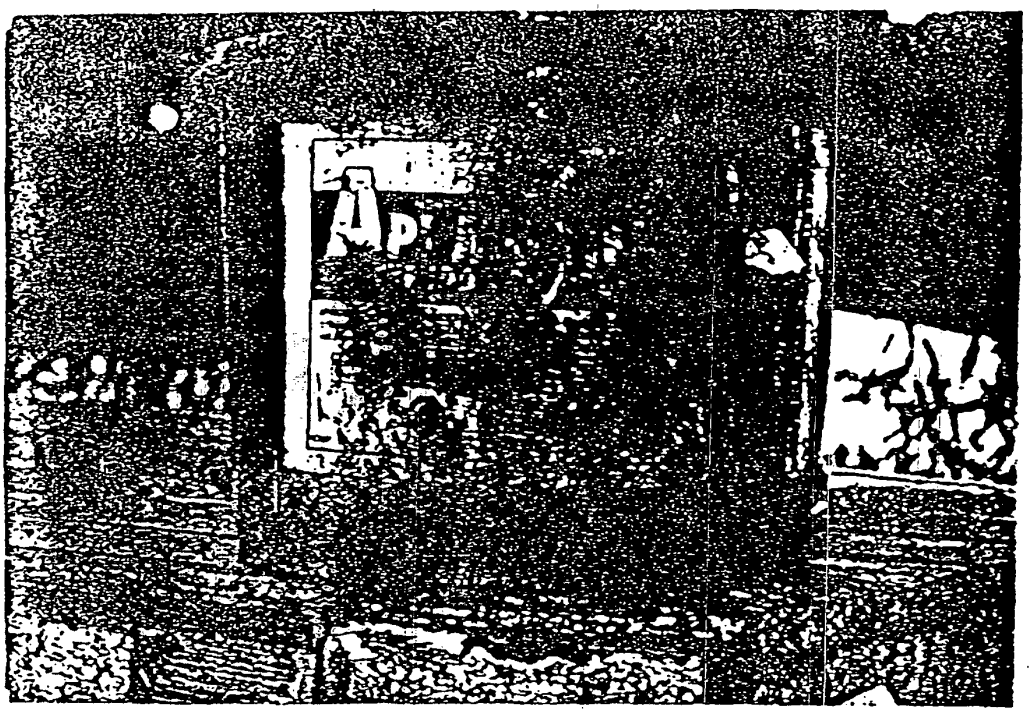

EXHIBIT
A11

20-18

Official Photograph #12
LA Department of Environmental Quality

Subject: Another process area, pipe dope brush, holes filled with dark liquid, extremely heavy contamination, side of hole reveals profile of waxy, hard, black contamination layer on soil surface which is approximately 3 inches thick near this hole.

Location: facing west, see map
Time: 4:30 pm Photographer: LMY

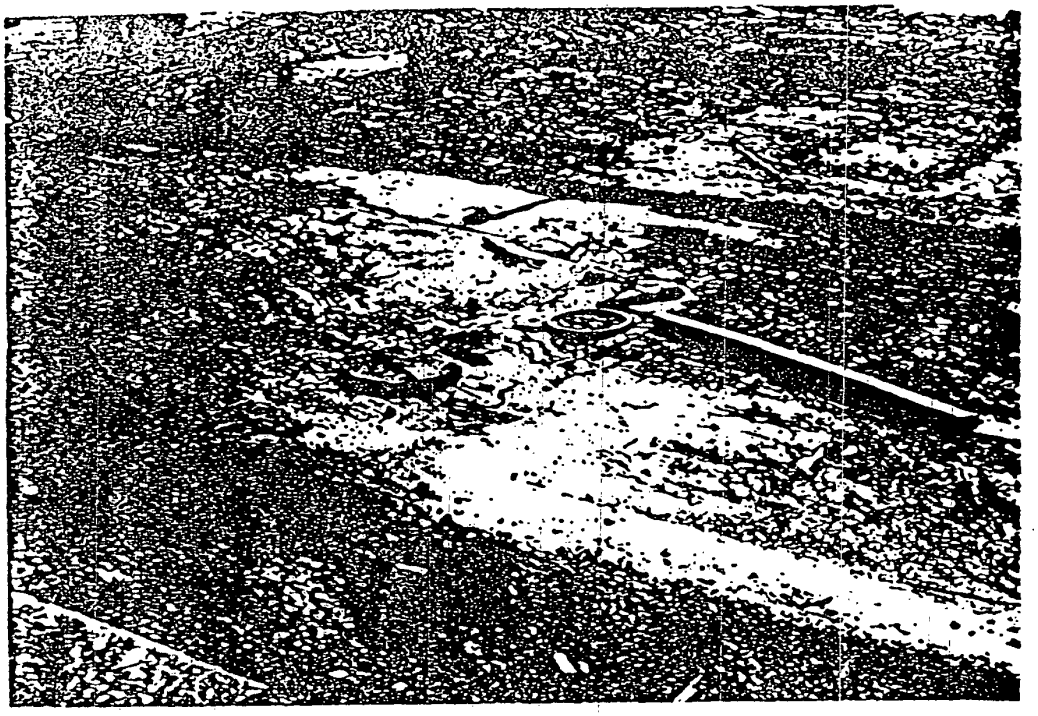

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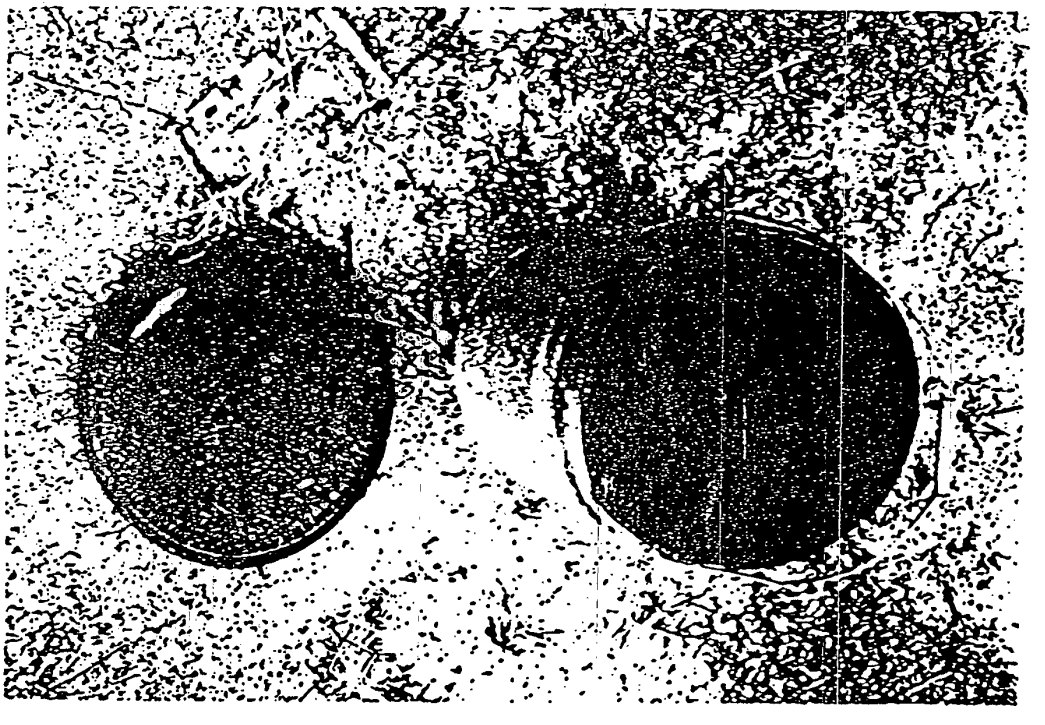
EXHIBIT
A12

Official Photograph #13
LA Department of Environmental Quality

Subject: Bucket of pipe dope with some material still contained within it, sharp nails and sheet metal screws on ground area, discolored soil, solvent smell in area.

Location: facing down, see map, in direct middle of property where it appears that painting activities were conducted, full, unlabeled drums about 20 feet from this spot, used visqueen nearby, see map.

Time: 4:40 pm Photographer: LMY



20-20

EXHIBIT A13

Official Photograph #14
LA Department of Environmental Quality

Subject: Safety-Kleen parts washing solvent drums and other drums. This material carries the classification of a variety of D wastes as noted in the attached narrative. It probably should also be classified as an F001 waste. These solvents are land disposal restricted. Uncovered, full drum and stains on ground indicate spilling is occurring. Empty drum labeled, "mineral spirits" in background.

Location: facing east, about 30 feet eastward of the spot where photo #13 was taken, see map.
Time: 4:32 pm Photographer: LMY

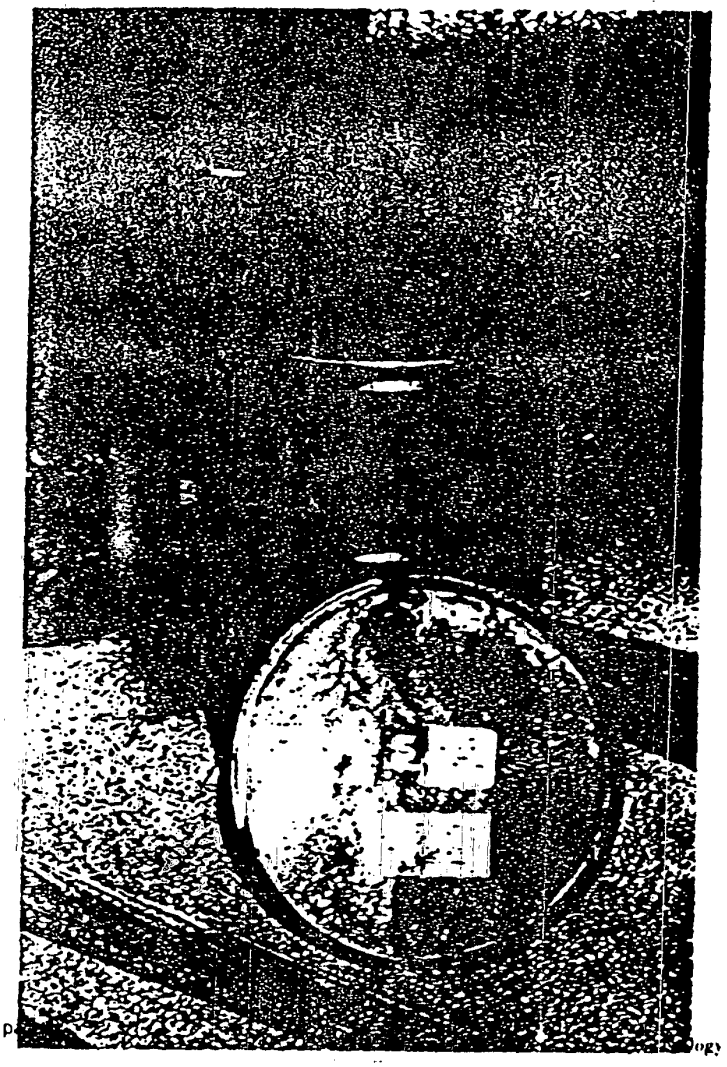


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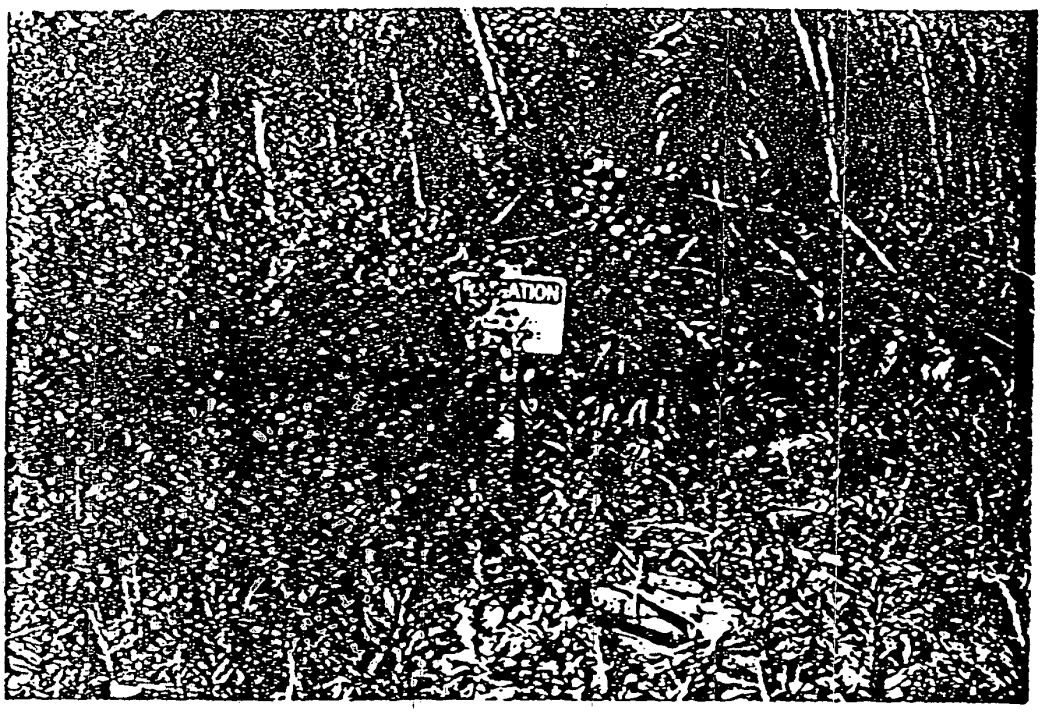
EXHIBIT
A14

20-21

Official Photograph #15
LA Department of Environmental Quality

Subject: Wastepile of hazardous lead contaminated NORM waste at southeast corner of property showing the single warning sign that was found in place, pile appears to be about 6 feet high and is reportedly about 200 feet long, no containment.

Location: facing east at west end of pile, see map
Time: 4:49 pm Photographer: LMY



EXHIBIT

20-22

Official Photograph #16
LA Department of Environmental Quality

Subject: Close up photo of another pipe dope bucket label that is more readable than that shown in photo #11. It reads, "Liquid O-Ring 300, API Modified Thread Compound - contains corrosion inhibitor, conforms to API Bulletin 5A2, thread compound for casing, tubing and line pipe - Warning, this product contains inorganic lead - Manufactured by Oil Center Research, Inc. Lafayette, Louisiana."

Location: facing northwest, see map
Time: 4:55 pm Photographer: LMY

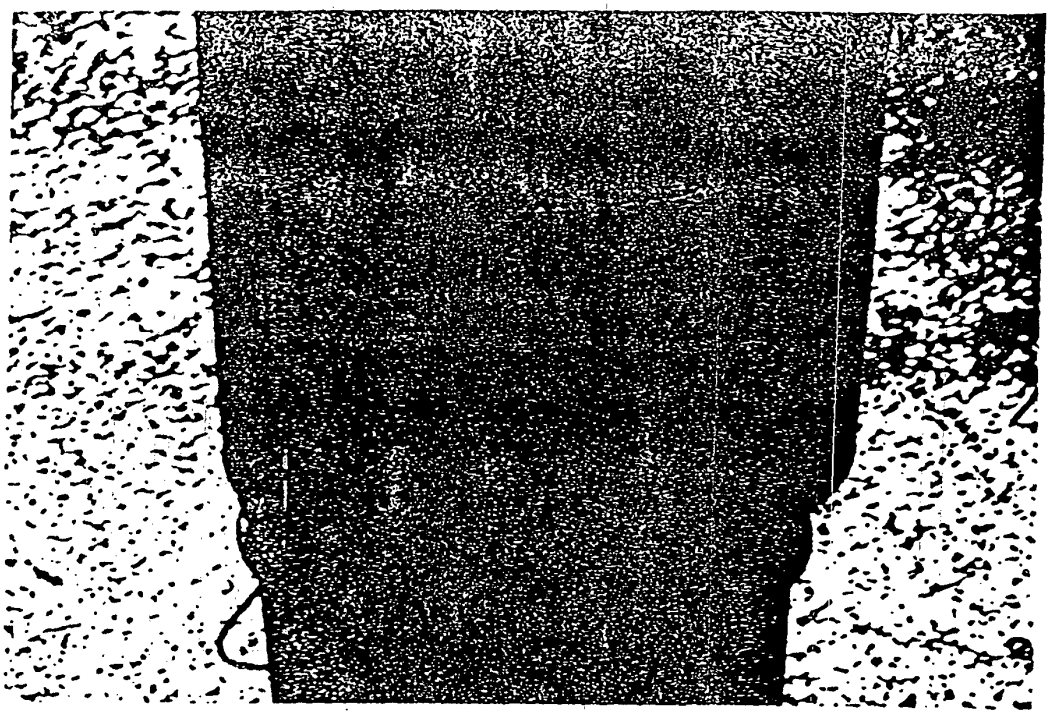


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EXHIBIT
A16

Official Photograph #17
LA Department of Environmental Quality

Subject: 15 or so five gallon drums of, "Liquid O-Ring Replenisher" that appear full.

Location: inside shed on north side of property, see map.
Time: 5:05 pm Photographer: LMY

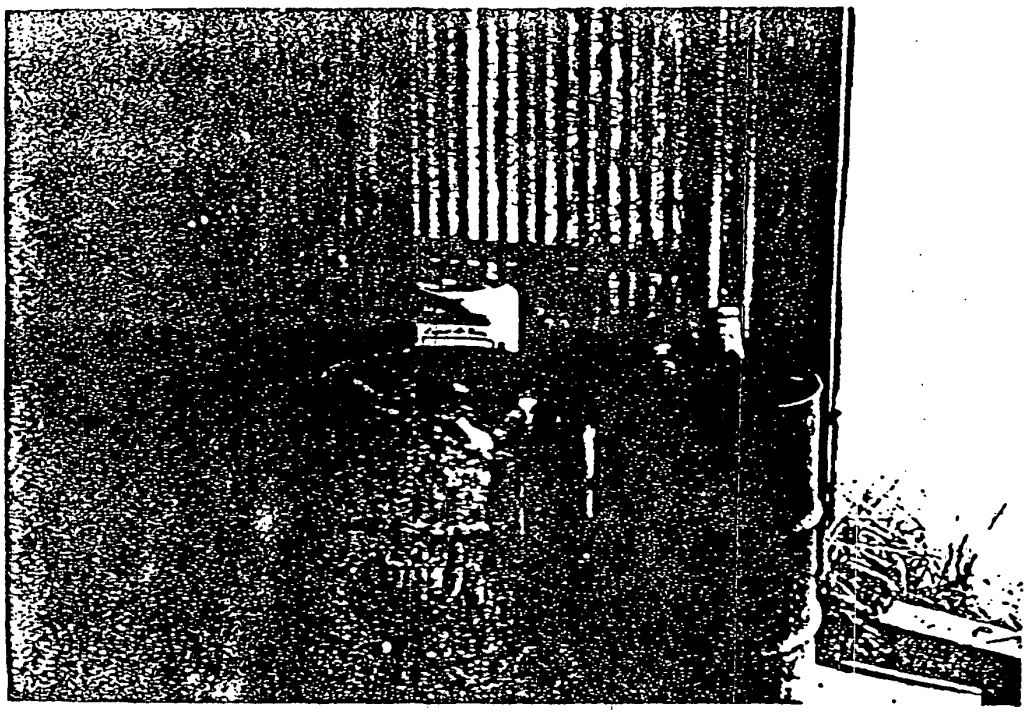

EXHIBIT
A17

20-24

Official Photograph #18
LA Department of Environmental Quality

Subject: Broken fluorescent bulbs indicating physical hazard and potential presence of toxic metals, heavy contamination in area, debris.

Location: facing southeast, depicting spot where photo #11 was taken, see map.

Time: 5:06 pm Photographer: LMY

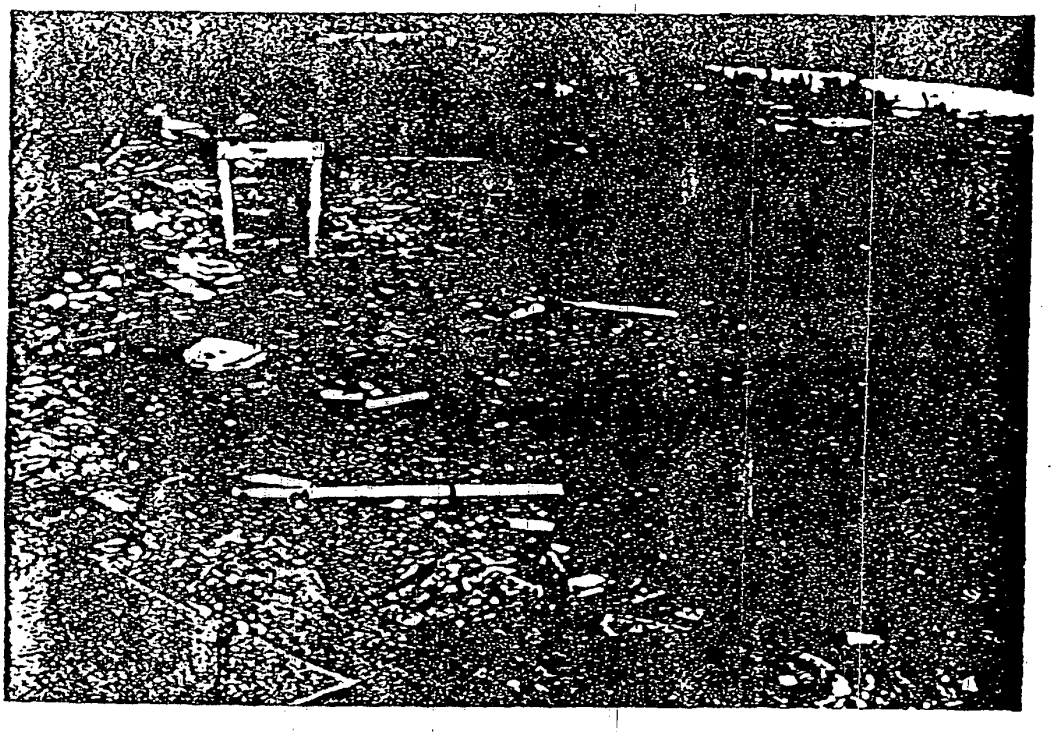

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EXHIBIT
A18

20-25

Official Photograph #19
LA Department of Environmental Quality

Subject: Some of the many waste tires on the property.

Location: facing east, behind office/warehouse building which was locked and could not be inspected, see map.

Time: 5:08 pm Photographer: LMY

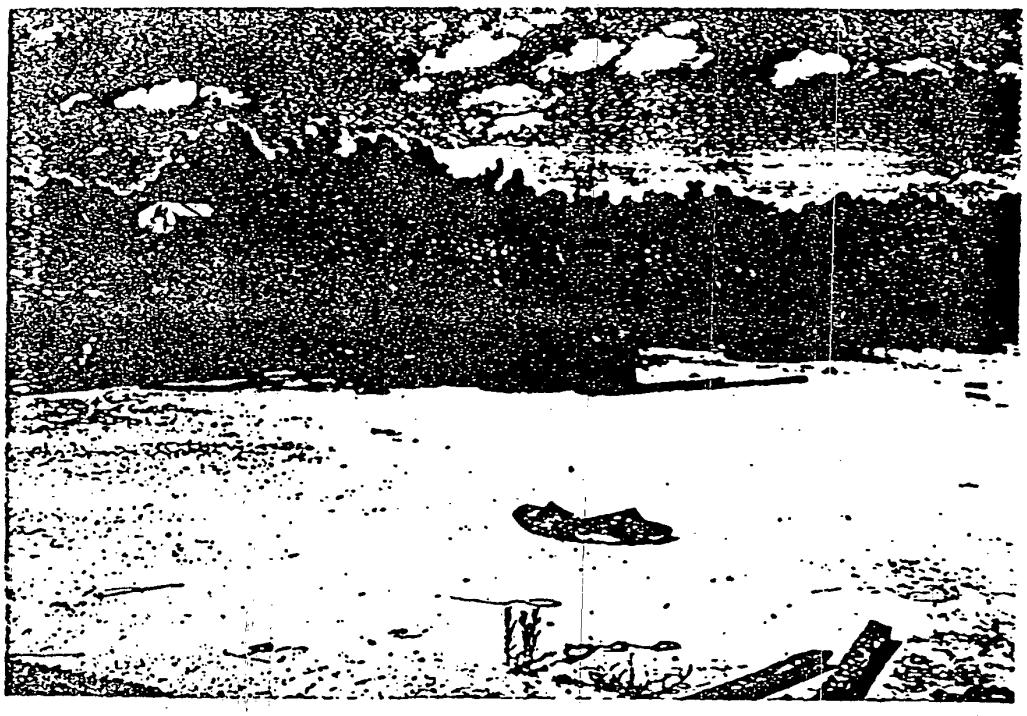


EXHIBIT
A19

20-26

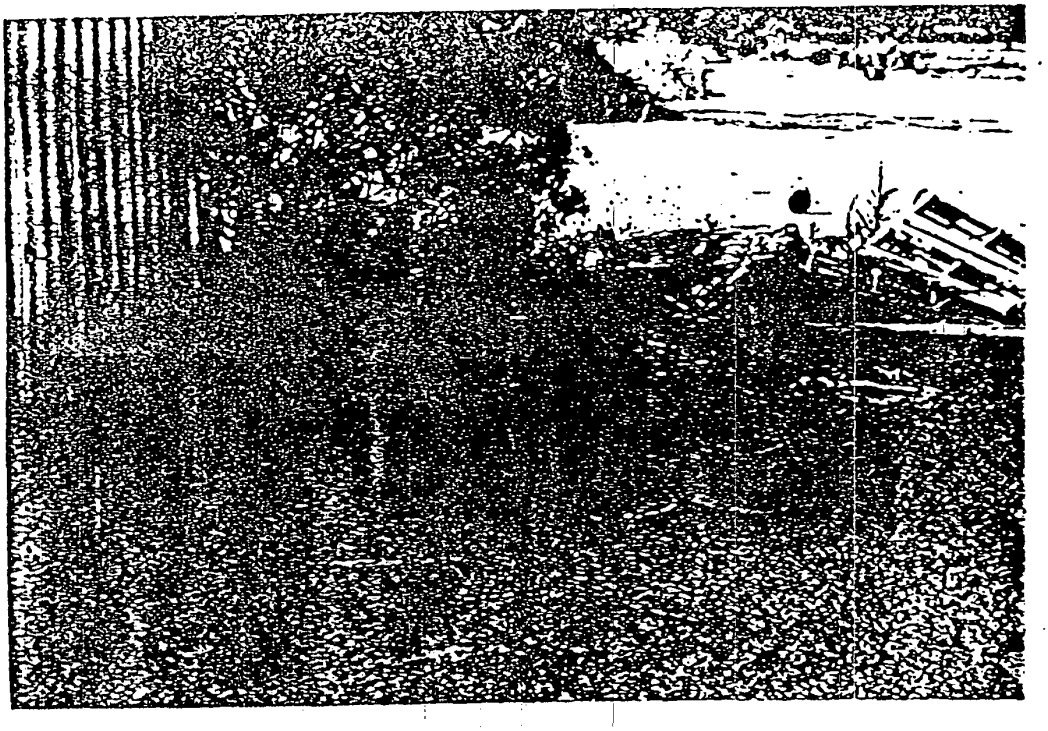
Geo Pipe/Cactus Pipe & Supply Company Pipeyard
General Inspection Report Photograph Log
June 7, 1995
Page 20

Official Photograph #20
LA Department of Environmental Quality

Subject: More Safety-Kleen solvent drums, other drums, buckets, pallets, debris.

Location: facing north on slab at rear of office/warehouse building, see map.

Time: 5:10 pm Photographer: LMY



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20-27

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EXHIBIT
A20

ATTACHMENT C.

TO
GEO PIPE/CACTUS SAMPLING INSPECTION REPORT
OF
JUNE 21, 1995

HWD SAMPLE ANALYSIS RESULTS

20-28

CLIENT PROJECT REVIEW
Accession # 506643 - as of Thursday June 22 17:48

LADEPENVQ BATONROUGE

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUAL
P.O. BOX 82178
BATON ROUGE , LA 70884-2178

ORIGINAL DOCUMENT
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RECEIVED
JUN 28 1995
Hazardous Waste Division
Enforcement Section

Accession #: 506643
ATI Project Manager: SUZANNE TAFFE
Customer #: 530639
P.O. Number: N/S
Project Number: N/S
Project Name: N/S
Project Location: N/S
Send Report To: CHRIS SIMMS
Sampled By: N/S
Requirement Code: IIMS
Copies of Report: 1

-- INORGANIC ANALYSIS --

SA #	Client Desc	Matx Code	Group Code	Method Code	Date Sampled	Time Samp	Date Received
1	HW21-95/6/21-01	NATC	HWTCLPM		21-JUN-95	0808	22-JUN-95
2	HW21-95/6/21-02	NATC	HWTCLPM		21-JUN-95	0812	22-JUN-95
3	HW21-95/6/21-03	NATC	HWTCLPM		21-JUN-95	0948	22-JUN-95
4	HW21-95/6/21-04	NATC	HWTCLPM		21-JUN-95	0949	22-JUN-95

-- ORGANIC ANALYSIS --

-- MISCELLANEOUS CHARGES --

Lab Code	Description	Cnty

NO MISCELLANEOUS CHARGES

-- INORGANIC ANALYSIS --

Group Code	Method Code	Description
1HWTCLPM		TCLP HAZARDOUS WASTE EVALUATION, METALS

-- ORGANIC ANALYSIS --

Analytical Technologies, Inc.
11 East Olive Road • Pensacola, Florida 32514 • (904) 474-1001

CHAIN OF CUSTODY

PART 1 - Bottle Shipment Information ATI ACCESSION #: 506643

CLIENT:	CLIENT PROJECT NUMBER:

QUANTITY OF SAMPLE CONTAINERS SHIPPED	PRESERVATIVE							PLASTIC CONTAINERS							GLASS CONTAINERS									NOTES
	H_2SO_4	HNO3	HCL	Zn Acetate	$Na_2S_2O_3$	Unpreserved	NaOH	8 oz.	16 oz.	32 oz.	½ gallon	1 gallon	Whirl-pak	100-ML Cup	120 ml (A)	1 liter (A)	1 liter (C)	40 ml Vial	4 oz. wm	8 oz. wm	16 oz. wm	32 oz. wm	D.I. Trip Blank	

Relinquished By:	Time	Date	Received By:	Time	Date

PART 2 - Sample/Project Information

SAMPLE MATRIX CODES

DW DRINKING WATER
WW WASTEWATER
GW GROUNDWATER
AI AIR
SO SOIL
OI OIL
SW SURFACE WATER
SL SLUDGE
ST STORMWATER

PARAMETERS AND PRESERVATIVES REQUESTED

SAMPLE I.D.	SAMPLE DATE	SAMPLE TIME	MATRIX	TCLP metals	TOTAL # OF BOTTLES
HW21-95/6/21-01	6/21/95	0808	SL	X	1
HW21-95/6/21-02	6/21/95	0812	SL	X	1
HW21-95/6/21-03	6/21/95	0948	SL	X	1
HW21-95/6/21-04	6/21/95	0949	SL	X	1

Total Number of Bottles/Containers: 4

Relinquished By	Date	Time	Received By	Date	Time
[illegible]	6/21/95	3:40pm	[illegible]	6.21.95	15:45
[illegible]	6.21.95	15:45	[illegible] Taffe / ATI	6/22/95	0845

Client LDEQ			Purchase Order Number
Address			Project Number
City	State	Zip	Project Name
Phone Number ( )	Fax Number ( )		Project Location
Project Manager			Sampled By

TURNAROUND TIMES	check below	SPECIAL INSTRUCTIONS
Standard - 14-21 days	✓	
RUSH (must be approved in advance)		
<- 48 hours - 2x standard price		
3-7[illegible] - 1.5x standard price		
TCLP - 1 week rush 1.5x standard price		
QC Level none I II III IV (circle one)		Copies of report needed _____

FORM # 12694 — METRO PRINTING, INC. HUNTSVILLE, ALABAMA 35801

20-30

WHITE — LAB CANARY — REPORT PINK — CLIENT

AnalyticalTechnologies,Inc. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

LM

Cactus Pipe, Geol. Inc.
Louisiana, Fla.

1003FE73517

SIGNATURE PAGE

ORIGINAL DOCUMENT
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Reviewed by: ATI Project Manager

Client: LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
BATON ROUGE, LOUISIANA

Project Name: N/S
Project Number: N/S
Project Location: N/S
Accession Number: 506643

Project Manager: CHRIS SIMMS
Sampled By: N/S

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ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Analysis Report

Analysis: TCLP HAZARDOUS WASTE EVALUATION, METALS

Accession:	506643
Client:	LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Project Number:	N/S
Project Name:	N/S
Project Location:	N/S
Department:	METALS

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"FINAL REPORT FORMAT - MULTIPLE"

Accession: 506643
Client: LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Project Number: N/S
Project Name: N/S
Project Location: N/S
Test: TCLP HAZARDOUS WASTE EVALUATION, METALS
QcLevel: IIMS

Parameter:	Unit:	Result:	R.L:	Batch:	Q:
Client ID: HW21-95/6/21-01			Lab ID:001		
SILVER, TCLP (6010)	MG/L	ND	0.01	A6T059	
ARSENIC, TCLP (6010)	MG/L	ND	0.05	R6T059	
BARIUM, TCLP (6010)	MG/L	9.1	0.01	B6T059	
CADMIUM, TCLP (6010)	MG/L	0.12	0.005	C6T059	
CHROMIUM, TCLP (6010)	MG/L	0.08	0.01	H6T059	
MERCURY, TCLP (7470)	MG/L	ND	0.002	M7T046	
LEAD, TCLP (6010)	MG/L	200	1	P6T059	+
SELENIUM, TCLP (6010)	MG/L	ND	0.1	S6T059	
Comments:					
Client ID: HW21-95/6/21-02			Lab ID:002		
SILVER, TCLP (6010)	MG/L	ND	0.01	A6T059	
ARSENIC, TCLP (6010)	MG/L	ND	0.05	R6T059	
BARIUM, TCLP (6010)	MG/L	10	0.01	B6T059	
CADMIUM, TCLP (6010)	MG/L	0.038	0.005	C6T059	
CHROMIUM, TCLP (6010)	MG/L	ND	0.01	H6T059	
MERCURY, TCLP (7470)	MG/L	ND	0.002	M7T046	
LEAD, TCLP (6010)	MG/L	11	0.05	P6T059	
SELENIUM, TCLP (6010)	MG/L	ND	0.1	S6T059	
Comments:					
Client ID: HW21-95/6/21-03			Lab ID:003		
SILVER, TCLP (6010)	MG/L	ND	0.01	A6T059	
ARSENIC, TCLP (6010)	MG/L	ND	0.05	R6T059	
BARIUM, TCLP (6010)	MG/L	6.6	0.01	B6T059	
CADMIUM, TCLP (6010)	MG/L	0.018	0.005	C6T059	
CHROMIUM, TCLP (6010)	MG/L	ND	0.01	H6T059	
MERCURY, TCLP (7470)	MG/L	ND	0.002	M7T046	
LEAD, TCLP (6010)	MG/L	5.5	0.25	P6T059	+
SELENIUM, TCLP (6010)	MG/L	ND	0.1	S6T059	
Comments:					
Client ID: HW21-95/6/21-04			Lab ID:004		
SILVER, TCLP (6010)	MG/L	ND	0.01	A6T059	
ARSENIC, TCLP (6010)	MG/L	ND	0.05	R6T059	
BARIUM, TCLP (6010)	MG/L	6.2	0.01	B6T059	
CADMIUM, TCLP (6010)	MG/L	0.019	0.005	C6T059	
CHROMIUM, TCLP (6010)	MG/L	ND	0.01	H6T059	
MERCURY, TCLP (7470)	MG/L	ND	0.002	M7T046	
LEAD, TCLP (6010)	MG/L	65	0.25	P6T059	+
SELENIUM, TCLP (6010)	MG/L	ND	0.1	S6T059	
Comments:					

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"FINAL REPORT FORMAT - MULTIPLE"

Accession: 506643
Client: LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Project Number: N/S
Project Name: N/S
Project Location: N/S
Test: TCLP HAZARDOUS WASTE EVALUATION, METALS

Client Id:	Lab Id:	Matrix:	Date/Time Sampled:	Date Received:
HW21-95/6/21-01	001	NON-AQUEOUS LEACHATE	21-JUN-95 0808	22-JUN-95
HW21-95/6/21-02	002	NON-AQUEOUS LEACHATE	21-JUN-95 0812	22-JUN-95
HW21-95/6/21-03	003	NON-AQUEOUS LEACHATE	21-JUN-95 0948	22-JUN-95
HW21-95/6/21-04	004	NON-AQUEOUS LEACHATE	21-JUN-95 0949	22-JUN-95

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Method Report Summary"

Accession Number: 506643
Client: LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Project Number: N/S
Project Name: N/S
Project Location: N/S
Test: TCLP HAZARDOUS WASTE EVALUATION, METALS

Client Sample Id:	Parameter:	Unit:	Result:
HW21-95/6/21-01	BARIUM, TCLP (6010)	MG/L	9.1
	CADMIUM, TCLP (6010)	MG/L	0.12
	CHROMIUM, TCLP (6010)	MG/L	0.08
	LEAD, TCLP (6010)	MG/L	200
HW21-95/6/21-02	BARIUM, TCLP (6010)	MG/L	10
	CADMIUM, TCLP (6010)	MG/L	0.038
	LEAD, TCLP (6010)	MG/L	11
HW21-95/6/21-03	BARIUM, TCLP (6010)	MG/L	6.6
	CADMIUM, TCLP (6010)	MG/L	0.018
	LEAD, TCLP (6010)	MG/L	5.5
HW21-95/6/21-04	BARIUM, TCLP (6010)	MG/L	6.2
	CADMIUM, TCLP (6010)	MG/L	0.019
	LEAD, TCLP (6010)	MG/L	65

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ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

Quality Control Report

Analysis: TCLP HAZARDOUS WASTE EVALUATION, METALS

Accession:	506643
Client:	LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
Project Number:	N/S
Project Name:	N/S
Project Location:	N/S
Department:	METALS

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Metals Quality Control Report"

Parameter:	SILVER	ARSENIC	BARIUM	CADMIUM	CHROMIUM	MERCURY
Batch Id:	A6T059	R6T059	B6T059	C6T059	H6T059	M7T046
Blank Result:	<0.01	<0.05	<0.01	<0.005	<0.01	<0.002
Anal. Method:	6010	6010	6010	6010	6010	7470
Prep. Method:	3010	3010	3010	3010	3010	7470
Analysis Date:	30-JUN-95	30-JUN-95	30-JUN-95	30-JUN-95	30-JUN-95	29-JUN-95
Prep. Date:	29-JUN-95	29-JUN-95	29-JUN-95	29-JUN-95	29-JUN-95	29-JUN-95
Sample Duplication						
Sample Dup:	506643-1	506643-1	506643-1	506643-1	506643-1	506643-1
Rept Limit:	<0.01	<0.05	<0.01	<0.005	<0.01	<0.002
Sample Result:	2.0	2.0	11	2.2	2.1	0.048
Dup Result:	2.0	2.0	11	2.2	2.1	0.048
Sample RPD:	0	0	0	0	0	0
Max RPD:	20	20	20	20	20	20
Dry Weight%	N/A	N/A	N/A	N/A	N/A	N/A
Matrix Spike						
Sample Spiked:	506643-1	506643-1	506643-1	506643-1	506643-1	506643-1
Rept Limit:	<0.01	<0.05	<0.01	<0.005	<0.01	<0.002
Sample Result:	<0.01	<0.05	9.1	0.12	0.08	<0.002
Spiked Result:	2.0	2.0	11	2.2	2.1	0.048
Spike Added:	2.0	2.0	2.0	2.0	2.0	0.050
% Recovery:	100	100	95	104	101	96
% Rec Limits:	75-125	75-125	75-125	75-125	75-125	75-125
Dry Weight%	N/A	N/A	N/A	N/A	N/A	N/A
ICV						
ICV Result:	4.9	4.8	4.9	4.9	4.8	0.0042
True Result:	5.0	5.0	5.0	5.0	5.0	0.0040
% Recovery:	98	96	98	98	96	105
% Rec Limits:	90-110	90-110	90-110	90-110	90-110	80-120
LCS						
LCS Result:	2.1	2.1	2.0	2.1	2.2	0.0049
True Result:	2.0	2.0	2.0	2.0	2.0	0.0050
% Recovery:	105	105	100	105	110	98
% Rec Limits:	80-120	80-120	80-120	80-120	80-120	80-120

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ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Metals Quality Control Report"

Parameter:	LEAD	SELENIUM
Batch Id:	P6T059	S6T059
Blank Result:	<0.05	<0.1
Anal. Method:	6010	6010
Prep. Method:	3010	3010
Analysis Date:	30-JUN-95	30-JUN-95
Prep. Date:	29-JUN-95	29-JUN-95

Sample Duplication

Sample Dup:	506643-1	506643-1
Rept Limit:	<1+	<0.1
Sample Result:	200	2.1
Dup Result:	200	2.2
Sample RPD:	0	5
Max RPD:	20	20
Dry Weight%	N/A	N/A

Matrix Spike

Sample Spiked:	506643-1	506643-1
Rept Limit:	<1+	<0.1
Sample Result:	200	<0.1
Spiked Result:	200	2.1
Spike Added:	2.0F	2.0
% Recovery:	0	105
% Rec Limits:	75-125	75-125
Dry Weight%	N/A	N/A

ICV

ICV Result:	4.9	4.7
True Result:	5.0	5.0
% Recovery:	98	94
% Rec Limits:	90-110	90-110

LCS

LCS Result:	2.2	2.1
True Result:	2.0	2.0
% Recovery:	110	105
% Rec Limits:	80-120	80-120

ANALYTICAL TECHNOLOGIES, INC. 11 East Olive Road Pensacola, Florida 32514 (904) 474-1001

"Quality Control Comments"

Batch Id:	Comments:
A6T059	ANALYST: JR
A6T059	The results reported under "Sample Duplication" are the MS/MSD.
R6T059	ANALYST: JR
R6T059	The results reported under "Sample Duplication" are the MS/MSD.
B6T059	ANALYST: JR
B6T059	The results reported under "Sample Duplication" are the MS/MSD.
C6T059	ANALYST: JR
C6T059	The results reported under "Sample Duplication" are the MS/MSD.
H6T059	ANALYST: JR
H6T059	The results reported under "Sample Duplication" are the MS/MSD.
M7T046	ANALYST: GJ
M7T046	The results reported under "Sample Duplication" are the MS/MSD.
P6T059	ANALYST: JR
P6T059	The results reported under "Sample Duplication" are the MS/MSD.
S6T059	ANALYST: JR
S6T059	The results reported under "Sample Duplication" are the MS/MSD.

----- Common Footnotes Metals -----

N/A = NOT APPLICABLE.
N/S = NOT SUBMITTED.
N/C = SAMPLE AND DUPLICATE RESULTS ARE AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RPD IS "NOT CALCULABLE" AND NO CONTROL LIMITS APPLY.
N/D = NOT DETECTED.
DISS. OR D = DISSOLVED
T & D = TOTAL AND DISSOLVED
R = REACTIVE
T = TOTAL
G = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE SAMPLE AND DUPLICATE RESULT IS AT OR BELOW ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "IN CONTROL".
Q = THE ANALYTICAL (POST-DIGESTION) SPIKE IS REPORTED DUE TO PERCENT RECOVERY BEING OUTSIDE ACCEPTANCE LIMITS ON THE MATRIX (PRE-DIGESTION) SPIKE.
# = ELEVATED REPORTING LIMIT DUE TO INSUFFICIENT SAMPLE.
+ = ELEVATED REPORTING LIMIT DUE TO DILUTION INTO CALIBRATION RANGE.
* = ELEVATED REPORTING LIMIT DUE TO MATRIX INTERFERENCE. (DILUTION PRIOR TO ANALYSIS)
@ = ADJUSTED REPORTING LIMIT DUE TO SAMPLE MATRIX. (DILUTION PRIOR TO DIGESTION)
P = ANALYTICAL (POST DIGESTION) SPIKE.
I = DUPLICATE INJECTION.
& = AUTOMATED
F = SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
N/C+ = NOT CALCULABLE
N/C* = NOT CALCULABLE; SAMPLE SPIKED > 4 X SPIKE CONCENTRATION.
H = SAMPLE AND/OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL".
= SAMPLE AND DUPLICATE RESULTS ARE "OUT OF CONTROL".
= THE SAMPLE RESULT FOR THE SPIKE IS BELOW THE REPORTING LIMIT. HOWEVER, THIS RESULT IS REPORTED FOR ACCURATE QC CALCULATIONS.
NH= SAMPLE AND / OR DUPLICATE RESULT IS BELOW 5 X ATI REPORTING LIMIT AND THE ABSOLUTE DIFFERENCE BETWEEN THE RESULTS EXCEEDS THE ATI REPORTING LIMIT; THEREFORE, THE RESULTS ARE "OUT OF CONTROL". SAMPLE IS NON-HOMOGENEOUS.
J = (FLORIDA DEP 'J' FLAG) - MATRIX SPIKE AND POST SPIKE RECOVERY IS OUT OF THE ACCEPTABLE RANGE. SEE OUT OF CONTROL EVENTS FORM.
S = METHOD OF STANDARD ADDITIONS (MSA) WAS PERFORMED ON THIS SAMPLE.

FROM ANALYSIS REPORT:
RL= REPORTING LIMIT BASED ON METHOD DETECTION LIMIT STUDIES.
Q= QUALIFIER (FOOTNOTE)

FROM QUALITY CONTROL REPORT:
RPD= RELATIVE PERCENT DEVIATION.
RPT LIMIT= REPORTING LIMIT BASED ON METHOD DETECTION LIMIT STUDIES.

NOTE: THE UNITS REPORTED ON THE QUALITY CONTROL REPORT ARE REPORTED ON AN AS RUN BASIS.

SW-846, 3rd Edition, September 1986 and Revision 1, July 1992.
EPA 600/4-79-020, Revised March 1983.
NIOSH Manual of Analytical Methods, 3rd Edition.

JP = JAY PEREZ
GJ = GARY JACOBS
JLH = JAMES L. HERED
CD = CHRISTY DRAPER
JRR = JOHN R. ROWE
JR = JOHN REED
SL = STEPHANIE LOWRY

ATTACHMENT D.

TO
GEO PIPE/CACTUS SAMPLING INSPECTION REPORT
OF
JUNE 21, 1995

WQD SAMPLE ANALYSIS RESULTS

20-41

Acadiana Regional Office

Fax Transmittal Sheet

(318)262-5584 OR LINC 328-5584

WQD SAMPLE ANALYSIS RESULTS

To: Chris Simms

From: Jack Deshotels PRO Surface Water

Date: 07-03-95

Time: 0910

Pages to follow _____

Remarks Chris - I thought you might appreciate the #'s on the water & sludge from those 2 sumps at Cactus Geo Pipe.

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ecology and environment

20-42

000362

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
TECHNICAL SERVICES DIVISION
WATER LABORATORY DATA SHEET

COMPANY: Cactus Gen Pipe
LOCATION: Hwy 224 [illegible] Fieldspan Rd
Gusan, LA

COLLECTOR: Jack [illegible] Dashiel's
BASIN: 0608
WATERBODY: Grand Isle des Cannes
LA: N/A
WP: N/A

DATE: 06 21 95
COMPLAINT#: N/A
SURVEY: N/A
SPILL#: N/A
CSI: N/A

ADDITIONAL COMMENTS:
Bankruptcy #'s 95B09712 & 95B09715

DATE RECEIVED BY LABORATORY: | TIME: | BY:

CHAIN OF CUSTODY: YES

SAMPLE NUMBER	TIME/LOCATION	PARAMETER	VALUE Mg/kg	ANALYST	DATE	EPA METHOD
06195 [illegible]	0[illegible]	Pb	55914	~~[illegible]~~ DCR	6/27/95	2007
	Surg #12	Cr	444	~~[illegible]~~	6/28/95	
		Zn	22745		6/29/95	
		Ba	9152		6/28/95	
06195[illegible]	0816	Pb	22727		6/27/95	
	Surg #9	Cr	124		6/28/95	
		Zn	21474		6/29/95	
		Ba	23120		6/28/95	

20-43

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
TECHNICAL SERVICES DIVISION
WATER LABORATORY DATA SHEET

COMPANY: Gulf Sea Pipe
LOCATION: [illegible] 224 [illegible] Field [illegible] Rd
[illegible] Lo

COLLECTOR: Jack H Deshotels
BASIN: 12608
WATERBODY: [illegible] Isle des Cannes
LA: N/A
WP: N/A

DATE: 06 7 95
COMPLAINT#: N/A
SURVEY: N/A
SPILL#: N/A
CSI: N/A

ADDITIONAL COMMENTS:
Basemapley #'s 95809712 & 95809715

DATE RECEIVED BY LABORATORY: | TIME: | BY:

CHAIN OF CUSTODY: YES

SAMPLE NUMBER	TIME LOCATION	PARAMETER	VALUE PPB	ANALYST	DATE	EPA METHOD
061-95 [illegible]	Sump 8 08.2 9	Pb	4312	DCR	6/23/95	[illegible]
		Cr	48.8		6/23/95	
		Zn	4444		6/22/95	
		Ba	9148		6/23/95	
		Cl	2.7		6/22/95	
061-95 [illegible]	[illegible]-12A	Pb	818		6/23/95	
	Sump 12A	Cr	<5.0		6/23/95	
		Zn	1129		6/22/95	
		Ba	7981		6/23/95	
		Cl	1.7		6/23/95	

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ecology and environment

20-44

000364

CERCLIS No.: LA0000605278

Reference 21

TDD No.: S06-00-02-0022

State of Louisiana

Department of Environmental Quality

Edwin W. Edwards
Governor

William A. Kucharski
Secretary

July 31, 1995

CERTIFIED RETURN RECEIPT REQUESTED

Z 030 801 524
Z 030 801 525

Geo Pipe f/k/a Cactus Pipe & Supply Co.
(LAD985173517)
Lafayette Parish
P. O. Box 51963
Lafayette, Louisiana 70501

ORIGINAL DOCUMENT
RETURN TO FILE ROOM

ATTN: Mr. Jack Benders

Subject: COMPLIANCE ORDER
ENFORCEMENT TRACKING NO. HE-C-95-0207

Dear Mr. Benders:

Attached please find a Compliance Order issued to Geo Pipe f/k/a Cactus Pipe & Supply Co. by the Louisiana Department of Environmental Quality, Hazardous Waste Division.

In order to reduce document handling time, please refer to the enforcement tracking number on the top right of the attached document on all correspondence in response to this action.

If you have any questions regarding this matter, please do not hesitate to contact this office at 504/765-0355.

Sincerely,

Glenn A. Miller
Assistant Secretary

RECEIVED
JUL 10 1996
La. Dept. of Environmental Quality
Hazardous Waste Records Center

GAM:PJM:eml

Attachments

OFFICE OF SOLID AND HAZARDOUS WASTE HAZARDOUS WASTE DIVISION P.O. BOX 82178 BATON ROUGE, LOUISIANA 70884-2178
TELEPHONE (504) 765-0355 FAX (504) 765-0617

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AN EQUAL OPPORTUNITY EMPLOYER

21-01

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

OFFICE OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE DIVISION

IN THE MATTER OF:	*	
	*	
	*	
GEO PIPE F/K/A CACTUS PIPE & SUPPLY CO.		
(LAD985173517)	*	
HWY. 24, FIELD SPAN ROAD	*	
LAFAYETTE PARISH	*	
DUSON, LOUISIANA 70529	*	
	*	
	*	ENFORCEMENT TRACKING NO.
	*	HE-C-95-0207
	*	
PROCEEDINGS UNDER THE LOUISIANA	*	
ENVIRONMENTAL QUALITY ACT	*	
LA. R.S. 30:2001 ET SEQ.	*	

COMPLIANCE ORDER

The following COMPLIANCE ORDER is issued to Geo Pipe f/k/a Cactus Pipe & Supply Co. (hereinafter referred to as "Respondent") by the Louisiana Department of Environmental Quality (hereinafter referred to as "the Department"), under the authority granted by the Louisiana Environmental Quality Act (hereinafter referred to as "the Act"), La. R.S. 30:2001 et seq., and particularly by La. R.S. 30:2025 (C).

FINDINGS OF FACT

I.

Respondent, located on Highway 724 (Field Span Road), Duson, Lafayette Parish, Louisiana, is a former oil field pipeyard.

II.

On or about June 7, 1995, representatives of the Department performed an inspection of the facility and noted the following:

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

OFFICE OF SOLID AND HAZARDOUS WASTE

HAZARDOUS WASTE DIVISION

IN THE MATTER OF:	*	
	*	
	*	
GEO PIPE F/K/A CACTUS PIPE & SUPPLY CO.		
(LAD985173517)	*	
HWY. 24, FIELD SPAN ROAD	*	
LAFAYETTE PARISH	*	
DUSON, LOUISIANA 70529	*	
	*	
	*	ENFORCEMENT TRACKING NO.
	*	HE-C-95-0207
	*	
PROCEEDINGS UNDER THE LOUISIANA	*	
ENVIRONMENTAL QUALITY ACT	*	
LA. R.S. 30:2001 ET SEQ.	*	

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The following COMPLIANCE ORDER is issued to Geo Pipe f/k/a Cactus Pipe & Supply Co. (hereinafter referred to as "Respondent") by the Louisiana Department of Environmental Quality (hereinafter referred to as "the Department"), under the authority granted by the Louisiana Environmental Quality Act (hereinafter referred to as "the Act"), La. R.S. 30:2001 et seq., and particularly by La. R.S. 30:2025 (C).

FINDINGS OF FACT

I.

Respondent, located on Highway 724 (Field Span Road), Duson, Lafayette Parish, Louisiana, is a former oil field pipeyard.

II.

On or about June 7, 1995, representatives of the Department performed an inspection of the facility and noted the following:

21-03

A. Respondent failed to notify the Administrative Authority, within seven (7) days, of changes in the information submitted in the application for the EPA identification number, specifically this pertains to the generation of D008, used oil, and spent solvents, in violation of LAC 33:V.1105.B.

B. Respondent accumulated hazardous waste for greater than ninety (90) days without an extension & without having interim status or a standard permit, in violation of LAC 33:V.1109.E. 1 & 2.

C. Respondent failed to design, construct, maintain, and operate the facility to minimize the possibility of any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment as specified in LAC 33:V.1511.B., in violation of LAC 33:V.1115.

D. Respondent failed to clean up spilled material and material trapped in sumps that is a hazardous waste or that will be disposed of as a hazardous waste, in a timely manner, in violation of LAC 33:V.1121.

E. Respondent disposed Hazardous Waste on-site without having interim status or a standard permit, in violation of LAC 33:V.303.B.

V.

To immediately institute procedures to ensure that disposal of Hazardous Waste does not occur at the facility, without having received interim status or a final permit.

VI.

To prepare and submit to the Department, within sixty (60) days after receipt of this Compliance Order, a detailed report describing actions taken and to be taken to correct and prevent future occurrence of those violations described in paragraph II of the Findings of Fact of this Compliance Order.

Respondent shall further be on notice that:

VII.

This COMPLIANCE ORDER shall become final and not subject to further administrative review unless, no later than thirty (30) days after receipt of this document, Respondent files a written request for a hearing. This request should reference the number which is located in the upper right hand corner of the first page of this document and should be directed to the following:

Administrative Hearings Clerk
Administrative Hearings Division
Office of the Secretary
Louisiana Department of Environmental Quality
Post Office Box 82263
Baton Rouge, Louisiana 70884-2263

VIII.

Upon Respondent's timely filing a request for a hearing, a hearing on this COMPLIANCE ORDER may be scheduled by the Secretary of the Department. The hearing shall be governed by the Act, the Administrative Procedure Act (La. R.S. 49:950, et seq.), and the Department's Rules of Procedure. The Department may amend or

21-05

supplement this COMPLIANCE ORDER prior to the hearing, after providing sufficient notice and an opportunity for the preparation of a defense for the hearing.

IX.

The failure to timely request a hearing constitutes a waiver of Respondent's opportunity for a hearing under Section 2024 (A) of the Act for the violations described herein and for the provisions of this COMPLIANCE ORDER.

X.

Respondent's failure to request a hearing or to file an appeal or Respondent's withdrawal of a request for hearing on this COMPLIANCE ORDER shall not preclude Respondent from contesting the findings of fact in any subsequent penalty action addressing the same violations, although Respondent is estopped from objecting to this COMPLIANCE ORDER becoming a permanent part of its compliance history.

XI.

Respondent's failure or refusal to comply with this COMPLIANCE ORDER and the provisions herein will subject Respondent to possible enforcement procedures under La. R.S. 30:2025, which could result in the assessment of a civil penalty in an amount not to exceed fifty thousand dollars ($50,000) for each day of continued noncompliance.

XII.

For each violation described herein, the Department reserves the right to seek civil penalties in any manner allowed by law, and nothing herein shall be construed to preclude the right to seek

such penalties.

XIII.

This COMPLIANCE ORDER is effective upon receipt.

Baton Rouge, Louisiana, this 31st day of July, 1995.

Glenn A. Miller
Assistant Secretary
Hazardous Waste Division

Please serve Respondent through its agent for service of process:

C.T. Corporation System
8550 United Plaza Blvd.
Baton Rouge, Louisiana 70809

Copies of a request for hearing and/or related correspondence should be sent to:

Mr. Wayne J. Desselle, Program Manager
Department of Environmental Quality
Hazardous Waste Division/Enforcement Section
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178

and

Mr. Chris G. Simms, Capitol Regional Office
11720 Airline Highway
Baton Rouge, LA 70809

21-07

HE-C-95-0207

SENDER: HW-ENF Section - 5th Floor

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
C.T. Corporation System
8550 United Plaza Blvd.
Baton Rouge, LA 70809

4a. Article Number
Z 030 801 525

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
8-2-95

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, December 1991 *U.S. GPO: 1993—362-714 DOMESTIC RETURN RECEIPT

your RETURN ADDRESS completed on the reverse side?

Z 030 801 525

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to
C.T. Corporation System
Street and No.
8550 United Plaza Blvd.
P.O. State and ZIP Code
Baton Rouge, LA 70809

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$

Postmark or Date

PS Form 3800, March 1993 HE-C-95-0207

Z 030 801 525

Receipt for Certified Mail
No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to
Geo Pipe
Street and No.
P.O. Box 51963
P.O. State and ZIP Code
Lafayette, LA 70501

Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	$

Postmark or Date

PS Form 3800, March 1993 HE-C-95-0207

recycled paper

20-12

000373

CERCLIS No.: LA0000605278

Reference 22

TDD No.: S06-00-02-0022

PF
RF
Christen
faculty -

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF SOLID & HAZARDOUS WASTE
HAZARDOUS WASTE DIVISION

GENERAL INSPECTION

DATE: July 13, 1995 LOG NO: E95-0262

COMPANY: Geo Pipe f/k/a Cactus Pipe & Supply Co LAD 985173517
IASD ID # 01806

MAILING ADDRESS: P.O. Box 51963
Lafayette, LA 70501

MANAGER: N/A (inactive) TEL: unknown

OPERATION LOCATION: 1.5 mi South of Hwy 90 on Hwy 724
near Duson, La

TYPE OF OPERATION: Former oil field pipeyard, bankrupt

REASON FOR VISIT: A walk-over of the property was performed with Dr. Susan Cummings of Terra Corporation, on this date, to gather risk assessment data. The site's condition was largely unchanged from that noted during the previous visits made to this property on June 7 and June 21. However, several significant items were noted.

INVESTIGATORS:	ACCOMPANIED BY:
Chris Simms.....LDEQ HWD	Dr. Susan Cummings, Toxicologist, of Terra Corporation

NARRATIVE:

Unlike the previous visits, which were preceded by drought conditions, recent rainfall events have resulted in the accumulation of visibly contaminated liquids in the various boreholes found around the site. These were observed to exhibit iridescent sheens and to be colored in various shades of brown, black, yellow, and green.

Rusty, metallic scales and debris were found on the soil surface in an area immediately adjacent to the fence-line that separates this property from the residence/chicken farm/cow and horse pasture on it's northern boundary. This visible residue from a pipeyard operation that has been shown to contain surface soils which are heavily contaminated with hydrocarbons, heavy metal hazardous wastes, and regulated quantities of improperly disposed radioactive material, in such close proximity to grazing animals, provides evidence for concern that contaminants from this site may be migrating into the food-chain.

22-01

An estimated 15 55-gallon drums of unknown liquids were noted to be scattered around the property, one of which was completely hidden from casual observation by a stack of creosoted pipe storage rack cross-ties and by tall weeds, on the back side of a large ditch running across the middle of the property. Most of these appeared to be full and some contained oily liquids. Several were open and some were laying on their sides. Many appear to be in poor condition and it is not known if all such containers have been located since the site is overgrown and some areas have not been searched due to heavy vegetation. Since these containers are not labeled, the proper classification of their contents would be quite expense. It is very likely that many of them drums will contain phase separated material requiring that multiple samples be taken. To adequately characterize the nature of the unknown material, the following tests will be required: Semi-volatiles (Method 8270), Volatiles (Method 8240), PBCs (Method 8080), Herbicides (8150), Metals (RCRA-8), Reactivity (Method 9010/9030), Flashpoint Method 1010), and Corrosivity (Method 9040). A trip blank and equipment rinsate sample would also be required as per standard sampling procedure protocol. The expense of preparation for the sampling, collecting, documenting, shipping, interpreting resultant sample data and organizing it into a report will be added to the laboratory costs. Additional expense would be incurred assessing whether the drums contain radioactive constituents, a requirement stipulated by the fact that they were generated at a site which has been shown to contain widely dispersed TENR contamination. This procedure would also involve separate testing for any phase separated material. Since hazardous constituents and volatile hydrocarbons would likely be involved, sample preparation would have to involve special procedures to control pollutants released during sample drying procedures. If disposal as radioactive waste is required, treatment and disposal as hazardous waste mixed with radioactive waste could dramatically increase the related expenses.

Particular attention was paid during this visit, to examining the waterways which carry surface run-off from the site and to observing boundary fence-lines. The east fence-line that runs along the rear of the property consists of a barbed-wire fence that is in disrepair. Immediately adjacent to the area where the two wastepiles of hazardous/TENR radioactive waste have been dumped (the second pile which was not seen previously, was observed during this visit), this fence is only about 2.5 feet high and is essentially a one-strand fence with the two additional strands laying flat on the ground. The adjoining property has recently been cleared and disked and is apparently about to be cropped. This eastern boundary has a shallow ditch running along it's length which, like the aforementioned middle ditch, drains toward the north where three or four residences/horse and cow pastures are located.

The northern boundary fence is a four foot high hurricane fence for the front third of the boundary and a three-strand barbed-wire fence for the remainder. It is also in a state of disrepair. At some points it is completely down and can easily be stepped over. Along the outside of the barbed-wire portion of this fence, a deep ditch drains toward the east, carrying run-off from the middle and rear pipeyard ditches. The nearest residence which has been photographed from the pipeyard boundary during prior visits, is estimated to be about 100 feet due north from the part of the hurricane fence that is due north of the pipe cleaning shed. The chicken house that neighbor operates is only three feet from the fence at that point and is oriented lengthwise along it. Toward the northeast corner of the pipeyard property, the neighboring farm is not fenced, allowing unrestricted access into the drainage ditch. Some recent clearing was in evidence (tire tracks, stumps, cut branches) along both edges and within the ditch at this point.

The middle ditch was observed to be intersected by subsurface drain pipes which run toward the front of the pipeyard property and probably carry run-off from the major process areas into this ditch. It is not clear where these pipes originate or how they have been constructed.

22-03

It was also noted that the metal-sided shed which houses the water well on this property, does not have a door on it. This leads to additional concern that the well has not been plugged and abandoned and is subject to tampering. This is of especial importance since the site is directly over the Chicot Aquifer, the only major source of drinkable groundwater in Southwest Louisiana. Additionally, the well is only separated from the pipe cleaning shed area by the width of the gravel driveway. The pipe cleaning shed area is where concentrations above 1,000 pCi/g of radium-226 have been found, along with considerable amounts of heavy metal contaminated liquids and soils (see inspection reports dated 6/7/95 and 6/21/95).

REPORT BY:	REVIEWED BY:
Christopher G Simms Coordinator	Wayne J Desselle Enforcement Program Manager

CERCLIS No.: LA0000605278

Reference 23

TDD No.: S06-00-02-0022

CHROS PIPE SITE
IASD ID # 01806

KIRKLAND & ELLIS

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

200 East Randolph Drive
Chicago, Illinois 60601

312 861-2000

Matthew N. Kleiman
To Call Writer Direct:
312 861-2031

Facsimile:
312 861-2200

August 28, 1995

William J. Garry
Richardson Electronics Ltd.
40 W 267 Keslinger Road
La Fox, Illinois 60147

Louis E. Buatt
Department of Environmental Quality
P.O. Box 82282
Baton Rouge, LA 70884

Re: GEO Pipe Company

Dear Bill and Louis:

Enclosed for your files please find a fully-executed original of the Settlement Agreement between GEO Pipe Company and the LDEQ. For your information, the bankruptcy court has approved a shortened notice period with respect to the settlement motion, meaning that we are in position to request court approval of the settlement on September 7, 1995.

Best regards,

Matthew N. Kleiman

CC: David L. Eaton (w/encl.)

RECEIVED
SEP - 1 1995
L.A. Dept. of Environmental Quality
Office of Legal Affairs
& Enforcement

SETTLEMENT AGREEMENT

This Settlement Agreement ("Agreement") is entered into by and between GEO Pipe Company, a Texas corporation ("GEO Pipe"), and the State of Louisiana, by and through the Department of Environmental Quality, a duly authorized agency of the State ("LDEQ").

WHEREAS, GEO Pipe is presently a debtor-in-possession in Case No. 95B09712, pending in the United States Bankruptcy Court for the Northern District of Illinois, Eastern Division (the "Bankruptcy Court"), styled "In re: GEO Pipe Company f/k/a Cactus Pipe & Supply Co." (the "Bankruptcy Case").

WHEREAS, on May 15, 1995 GEO Pipe filed its Motion to Abandon Property (the "Abandonment Motion") seeking to abandon certain real property located near Duson, Louisiana (the "Louisiana Property"), as more particularly described in the Abandonment Motion.

WHEREAS, on June 1, 1995 the LDEQ filed its State Objection to Debtor's Motion to Abandon Property (the "Abandonment Objection") objecting to the relief requested in the Abandonment Motion.

WHEREAS, GEO Pipe and the LDEQ have engaged in extensive arm's-length negotiations regarding the Abandonment Motion, the Abandonment Objection, and GEO Pipe's Plan of Reorganization dated April 10, 1995 (as amended from time to time, the "Plan") in the Bankruptcy Case.

WHEREAS, GEO Pipe and the LDEQ wish to settle and compromise the disputes between them.

NOW, THEREFORE, in consideration of the mutual agreements and covenants set forth herein, the parties hereto agree as follows:

1. GEO Pipe will pay to the LDEQ (or such other person or entity as the LDEQ shall designate in writing) the sum of $125,000 (the "Settlement Amount"). The Settlement Amount shall be paid on the Effective Date, as such term is defined in the Plan. The Settlement Amount will be treated as an administrative expense to the extent of $69,444.44 and as a distribution on an unsecured claim to the extent of $55,555.56. The LDEQ shall be deemed to hold an allowed claim or claims against the estate in such amounts necessary to provide for a distribution under the Plan in the amounts described in this paragraph.

2. The Settlement Amount shall be used solely and exclusively for the remediation, containment and/or enclosure of the Louisiana Property. The LDEQ shall be free to exercise its discretion in determining the appropriate purposes for the expenditure of the Settlement Amount, provided that all of the Settlement Amount shall be expended for the remediation, containment and/or enclosure of the Louisiana Property.

3. Upon execution of this Agreement and approval of this Agreement by the Bankruptcy Court, the LDEQ will withdraw the Abandonment Objection, and agrees not to object to GEO Pipe's request to abandon the Louisiana Property.

4. GEO Pipe and the LDEQ agree that the Plan provides for the orderly liquidation of all assets of GEO Pipe. GEO Pipe and the LDEQ agree that the Plan provides, upon confirmation, that all assets of GEO Pipe will be transferred to a liquidating trust for the benefit of the creditors of GEO Pipe, to be distributed in accordance with the terms of the Plan. GEO Pipe and the LDEQ agree that the Plan provides, upon confirmation, for the termination of the corporate existence of GEO Pipe, and that neither GEO Pipe nor the liquidating trust will occupy, control, maintain, or conduct business at the Louisiana Property following confirmation of the Plan and approval of the Abandonment Motion. GEO Pipe and the LDEQ agree that the LDEQ will not receive any moneys from the liquidating trust other than the Settlement Amount, and the LDEQ will not assert any claim or interest against the liquidating trust or its assets.

5. The LDEQ will not object to confirmation of the Plan.

6. The effectiveness of this Agreement is conditioned upon confirmation of the Plan and approval of the Abandonment Motion.

7. Upon confirmation of the Plan and payment of the Settlement Amount, that certain compliance order dated July 31, 1995, bearing enforcement tracking number HE-C-95-0207 (the "Compliance Order"), will have no further legal force or effect.

8. Upon execution of this Agreement, and contingent upon (a) confirmation of the Plan, (b) approval of the Abandonment Motion, and (c) payment by GEO Pipe of the Settlement Amount, the parties hereto mutually release each other from any and all claims, demands, causes of action, orders and liabilities of whatever kind or nature which they own or hold as of the date of this Agreement or have at any time previously owned or held; *provided, however*, the foregoing shall in no way impair or impede the ability of the LDEQ to assert any claim or lien against the Louisiana Property; *provided, further*, that, to the extent appropriate under applicable law, GEO Pipe hereby consents to the assertion of any claim or lien by the State of Louisiana and/or the LDEQ against the Louisiana Property.

9. Upon execution of this Agreement, GEO Pipe will promptly seek authorization and approval of this Agreement by appropriate motion to the Bankruptcy Court.

* * * *

23-03

000382

AGREED and ACCEPTED this 22 day of August, 1995 by the undersigned, acting through their duly authorized representative or agent.

GEQ PIPE COMPANY[1]

By: _____
Name: _____
Title: _____

STATE OF LOUISIANA, by the DEPARTMENT OF ENVIRONMENTAL QUALITY

By: _____
Name: _____
Title: _____

[1]Subject to authorization and approval by the United States Bankruptcy Court for the Northern District of Illinois.

CERCLIS No.: LA0000605278

Reference 24

TDD No.: S06-00-02-0022

STATE OF LOUISIANA
HOUSE OF REPRESENTATIVES

GIL PINAC
District 42

PO Box 495
Crowley, Louisiana 70527-0495
Telephone (318) 783-7962
1-800-462-5028
Fax (318) 788-4905

Commerce
Insurance

December 3, 1997

Dr. Jim Brent
Dept. Of Environmental Quality
P. O. Box 82178
Baton Rouge, LA 70884-2178

Dear Dr. Brent,

I was contacted by one of my constituents, Mr. Joe Alleman, who resides at 1213 South Fieldspan, Duson, LA 70529. South Fieldspan is Highway 724. He has tried for three years now to get someone to come and see about property near his home with no avail. He contacted my office to see if we could assist him.

Mr. Alleman his family live around the property and drink from a well that is about 50 or 60 feet from this site. The property was leased from the owners by Cactus Pipe and are now bankrupt. The state now has the property. There are about 50 barrels of oil, crossties, roofing rafters and other debris scattered around the 14 acres. His granddaughter, Mrs. David Champagne lives at 1217 South Fieldspan. The property in question is 5 feet to the north of her trailer.

If you need to contact Mr. Alleman, he can be reached at 318-873-6191. I would appreciate anything you can do to assist Mr. Alleman and the surrounding neighbors in solving this matter. Please keep my office informed of this situation.

Sincerely,

Gil Pinac
State Representative
District 42

GP/as

2401

CERCLIS No.: LA0000605278

Reference 25

TDD No.: S06-00-02-0022

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY
INACTIVE AND ABANDONED SITES DIVISION

POTENTIAL HAZARDOUS WASTE SITE
PRIMARY IDENTIFICATION AND INFORMATION FORM

NOTE: Completion of this form does not constitute a finding by this agency of site conditions with regard to illegal activities, an actual threat to public health or the environment, or future remedial actions.

Site Name	Cactus Pipe Site		
A.K.A.	Alleman Complaint; Cactus Pipe & Supply Co., Inc., Casing Pulling Division		
EPA ID #	N/A	IASD ID #	01806

Street Address	next to 1217 South Fieldspan (Louisiana Highway 724)		
City	Duson	Parish	Lafayette

Location (Directions)

From Interstate Highway 10 westbound, take Exit 92 (the Mire, Duson Exit). At the end of the exit ramp, turn south (left) onto Louisiana Highway 95. Travel south on La. 95 for 1.0 mile or until its junction with US Highway 90. Turn east (left) onto US 90, and travel for 3.1 miles or until its junction with Louisiana Highway 724 (South Fieldspan). Turn south (right) onto La. 724 and travel for 1.0 mile. The site is on the east (left) side of La. 724 at this distance.

Latitude	30° 13' 07" North		Longitude	92° 08' 28" West	
Township	10 South	Range	3 East	Section	35

Summary of Potential or Known Situation
(include type of business and site description)

On December 10, 1997, Keith Horn and Edwin Akujobi, LDEQ-IASD, made an inspection of the referenced site in response to a citizen complaint referred to the IASD. The inspectors met with Mr. Joe Alleman, the original complainant. Mr. Alleman informed them that the facility had closed approximately four years ago, and that Cactus Pipe had moved. It was Mr. Alleman's understanding that this had been done due to the bankruptcy of the property owners, from whom Cactus Pipe was leasing the site. Mr. Alleman said that another pipe company operated at the site before Cactus Pipe. This previous company had used only the eastern (back) section of the property.

25-01

Summary of Potential or Known Situation (include type of business and site description)

The IASD inspectors noted that the site appeared to have been a pipe-yard. Most of the 14-acre site appeared to be yard area. Four major buildings were observed. The largest of these appeared to have been the office/shop building. The other three buildings are sheds. The closest of these sheds to the main building had signs stating "caution, radiation area, authorized personnel only." The other two sheds were on the northeast portion of the site, and appeared to have been former shop buildings.

Various containers were scattered over the yard areas and within the buildings. Approximately 50 55-gal. drums were noted. Although some of these drums appeared empty, or were filled with rainwater, others appeared to contain oily materials, or other liquids. Some of these drums bore the Department of Transportation (DOT) flammable liquid label. Approximately 35 5-gal. buckets were also observed. A pallet of bags containing a white material was noted in one of the two small shop buildings on the northeast portion of the site.

Three large stained soil areas were observed in the yard area. These appeared to have been washing and/or threading areas. The soil in these areas appeared to have been stained with a dark hydrocarbon material. Standing water in these areas had an oily sheen.

During this inspection a Ludlum Model 19 Radiation Detector was used to screen the site. Before this screening a off-site background level of 5-7 μR/hr was obtained. Readings on the site ranged from this background level to [illegible] μR/hr.

Contact(s) Name, Mailing Address, and Phone Number

Mr. Joe Alleman (complainant)
1213 South Fieldspan
Duson, LA 70529
(318) 873-6191

Prepared by		Date
Keith Horn	Keith Horn	12/29/97
Approved by		**Date**
Debra Bendily	Debra Bendily	12/29/97

03/96
Submit printed copy and disc copy to Database Analyst

OFFICE OF SOLID AND HAZARDOUS WASTE
INACTIVE & ABANDONED SITES DIVISION

ECTION: FS
ORIGINATOR: KEITH HORN

PROJECT: CACTUS PIPE
DATE: 12/23/97

	Req'd	Signature	Date	Comments
Other Coordinator	X	[signature]	12/27	
Program Manager	X			
Assist. Administrator				
Administrator				
Legal				
Assistant Secretary				
Deputy Secretary				
Secretary				
Other				

85-03

CERCLIS No.: LA0000605278

Reference 26

TDD No.: S06-00-02-0022

STATE OF LOUISIANA

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

PUBLIC WORKS AND WATER RESOURCES DIVISION

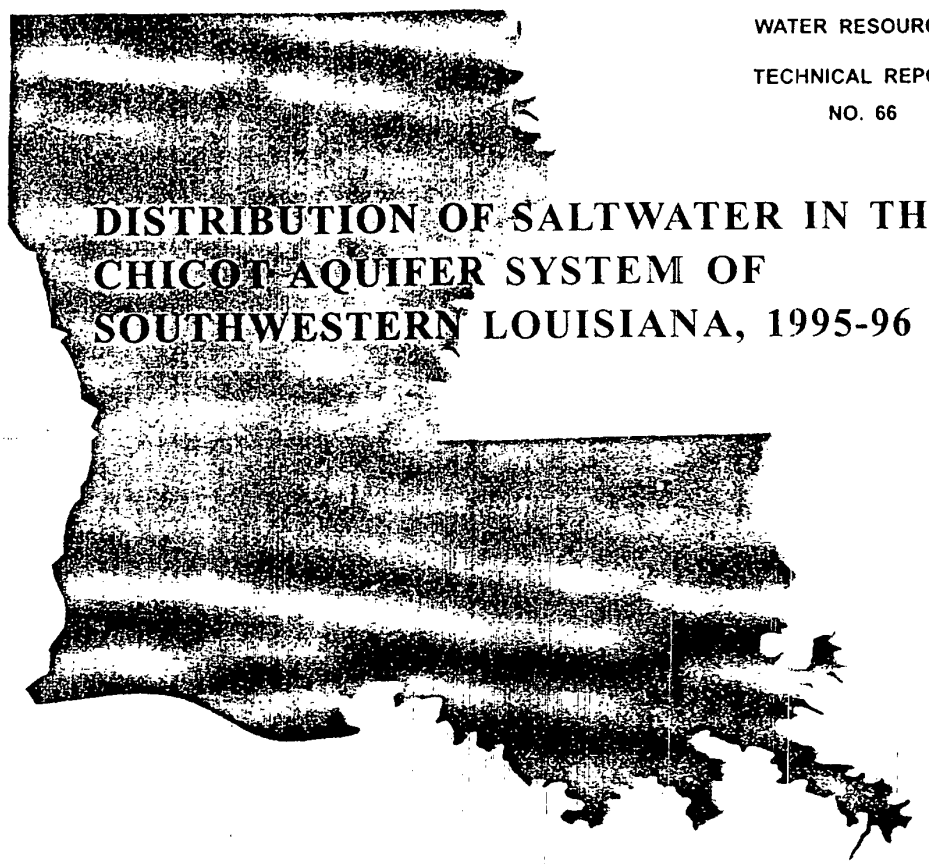
WATER RESOURCES SECTION

WATER RESOURCES

TECHNICAL REPORT

NO. 66

DISTRIBUTION OF SALTWATER IN THE CHICOT AQUIFER SYSTEM OF SOUTHWESTERN LOUISIANA, 1995-96



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Prepared by the

U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

In cooperation with the

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

1999

26-01

000391

STATE OF LOUISIANA

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

PUBLIC WORKS AND WATER RESOURCES DIVISION

WATER RESOURCES SECTION

In cooperation with the

U.S. DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY

WATER RESOURCES

TECHNICAL REPORT NO. 66

DISTRIBUTION OF SALTWATER IN THE CHICOT AQUIFER SYSTEM OF SOUTHWESTERN LOUISIANA, 1995-96

By

John K. Lovelace

U.S. GEOLOGICAL SURVEY

Published by the

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

Baton Rouge, Louisiana

1999

26-02

000392

STATE OF LOUISIANA

M.J. "MIKE" FOSTER, JR., Governor

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

KAM K. MOVASSAGHI, Secretary

PUBLIC WORKS AND WATER RESOURCES DIVISION

Curtis G. Patterson, Director

WATER RESOURCES SECTION

Zahir "Bo" Bolourchi, Chief

Cooperative project with the

U.S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY

Charles G. Groat, Director

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DISTRIBUTION OF SALTWATER IN THE CHICOT AQUIFER SYSTEM OF SOUTHWESTERN LOUISIANA, 1995-96

By John K. Lovelace

ABSTRACT

The Chicot aquifer system is the principal source of fresh ground-water supplies in southwestern Louisiana. The Chicot aquifer system is vulnerable to saltwater encroachment from the Atchafalaya River area, coastal areas near the Gulf of Mexico, and from underlying aquifers. In southwestern Louisiana, the Chicot aquifer system includes many sands, referred to as the shallow, massive, upper, lower, "200-foot," "500-foot," and "700-foot" sands. In 1995, approximately 550 Mgal/d (million gallons per day) were withdrawn from the Chicot aquifer system in southwestern Louisiana. More than one-half of the withdrawals were for rice irrigation. Heavy pumping from the Chicot aquifer system during the past several decades has substantially altered flow patterns from pre-development conditions, increasing the potential for saltwater encroachment. Water from all areas of the aquifer system now flows toward rice-growing areas in Acadia, Evangeline, and Jefferson Davis Parishes and towards the Lake Charles industrial district in Calcasieu Parish. Saltwater is present in the upper, lower, shallow, "500-foot," and "700-foot" sands.

Saltwater is present in the upper and "200-foot" sands in five areas which roughly encompass about 4,000 mi^2 (square miles). Chloride concentrations in water from wells in the Atchafalaya River area, Vermilion Parish area, and Cameron Parish area do not indicate that substantial movement of the freshwater-saltwater interface is occurring. Decreasing chloride concentrations at several wells screened in the upper sand may be due to increased recharge of freshwater into upper sands of the aquifer from the Atchafalaya River area or other surface sources. Saltwater also is present in areas near Iowa, Louisiana, and along the lower Vermilion River area near Abbeville, Louisiana.

Saltwater is present in the "500-foot" sand near the Calcasieu-Cameron Parish border between altitudes of about 500 and 600 feet below sea level and may be moving slowly northward in response to pumping in Calcasieu Parish. Chloride concentrations in water from wells along the interface have increased at rates less than or equal to 3 (mg/L)/yr (milligrams per liter per year), indicating that saltwater encroachment may be occurring at an extremely low rate near the Calcasieu-Cameron Parish border.

The central, northern, and southern chloride bodies have been defined in the "500-foot" sand in the Lake Charles industrial district. Intense pumping from the "500-foot" sand has lowered water levels and formed a deep cone of depression centered beneath the industrial district. Chloride concentrations in samples from wells located within the central chloride body of the Lake Charles industrial district have remained relatively stable since the mid-1970's. Chloride concentrations in water from most wells completed in or near the northern chloride body have not changed substantially since the early 1980's. Increasing chloride concentrations in water from wells screened in the southern chloride body, indicate that additional upconing of saltwater from the "700-foot" sand to the "500-foot" sand is probably occurring as a result of the lowered heads in the cone of depression. Chloride concentrations greater than 100 mg/L (milligrams per liter) also occur in the "500-foot" sand at public-supply wells in eastern and southern Lake Charles.

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Saltwater is present in the lower and "700-foot" sands in the southern two-thirds of Calcasieu Parish. In general, chloride concentrations in samples from pumped wells or wells located near wells pumping from the "700-foot" sand have slightly increased. However, chloride concentrations in samples from well Cu-767, which is not pumped, have increased at an average rate of about 16 (mg/L)/yr since 1962. Well Cu-767 is located about 1.5 miles south of public-supply well Cu-661, which has experienced increases in chloride concentrations at an average rate of about 4 (mg/L)/yr. Chloride concentrations in samples from wells located away from pumping generally showed either no trends or slight decreases. Chloride concentrations in samples from well Cu-972, located near the leading edge of the freshwater-saltwater interface in the northeastern corner of Calcasieu Parish, decreased from 260 mg/L in 1979 to 120 mg/L in 1995. This may be an indication that freshwater is being drawn from the north in some areas within the cone of depression, causing the freshwater-saltwater interface to recede southward.

INTRODUCTION

The Chicot aquifer system underlies an area of about 9,000 mi^2 in southwestern Louisiana (fig. 1) and is the principal source of fresh ground-water supplies in the region. In southwestern Louisiana, the Chicot aquifer system includes many sands, referred to as the Chicot aquifer, shallow sand unit; Chicot aquifer, undifferentiated; Chicot aquifer, upper sand unit; Chicot aquifer, lower sand unit; "200-foot" sand of Lake Charles area; "500-foot" sand of Lake Charles area; and "700 foot" sand of Lake Charles area. For the purposes of this report, these sands will hereinafter be referred to as the shallow, massive, upper, lower, "200-foot," "500-foot," and "700-foot" sands.

In 1995, approximately 550 Mgal/d of water were withdrawn from the Chicot aquifer system in southwestern Louisiana (Lovelace and Johnson, 1996, p. 90). More than one-half of the withdrawals were for rice irrigation. Dense surficial clays confine the upper sands of the Chicot aquifer system, making the region ideal for rice farming. In 1995, about 420,000 acres of rice were grown in southwestern Louisiana (Louisiana Cooperative Extension Service, 1996), primarily in a region roughly bounded by the southern extent of the recharge area of the Chicot aquifer system, the eastern and southern extents of freshwater in the Chicot aquifer system, and section line A-A′ shown on figure 1. Withdrawals for rice irrigation, which began around the turn of the century (Harris, 1904), have lowered water levels in the aquifer, creating an elongated cone of depression in the potentiometric surface that extends over much of the region (Harder and others, 1967, p. 16-17, pl. 4). In addition, water withdrawals for industrial uses have created a deep cone of depression in the potentiometric surface of the Chicot aquifer system in the Lake Charles area (Nyman and others, 1990, p. 14).

In 1995, water withdrawal rates from the individual aquifers were as follows: massive sand, 220 Mgal/d; shallow sand, 1.9 Mgal/d; upper sand, 210 Mgal/d; lower sand, 15 Mgal/d; "200-foot" sand, 9.2 Mgal/d; "500-foot" sand, 90 Mgal/d; "700-foot" sand, 10 Mgal/d. Water withdrawal rates from the Chicot aquifer system for various categories of use were as follows: public supply, 79 Mgal/d; industry, 84 Mgal/d; power generation, 9.1 Mgal/d; rural domestic, 12 Mgal/d; livestock, 1.0 Mgal/d; rice irrigation, 310 Mgal/d; general irrigation, 0.41 Mgal/d; and aquaculture, 2.6 Mgal/d (Lovelace and Johnson, 1996). These data were derived from a complete inventory of ground-water withdrawals from the Chicot aquifer system in southwestern Louisiana; the inventory was conducted in 1995 by the U.S. Geological Survey (USGS), in cooperation with the Louisiana Department of Transportation and Development (DOTD). Water withdrawal rates from the Chicot aquifer system from 1946-95 are shown in figure 2.

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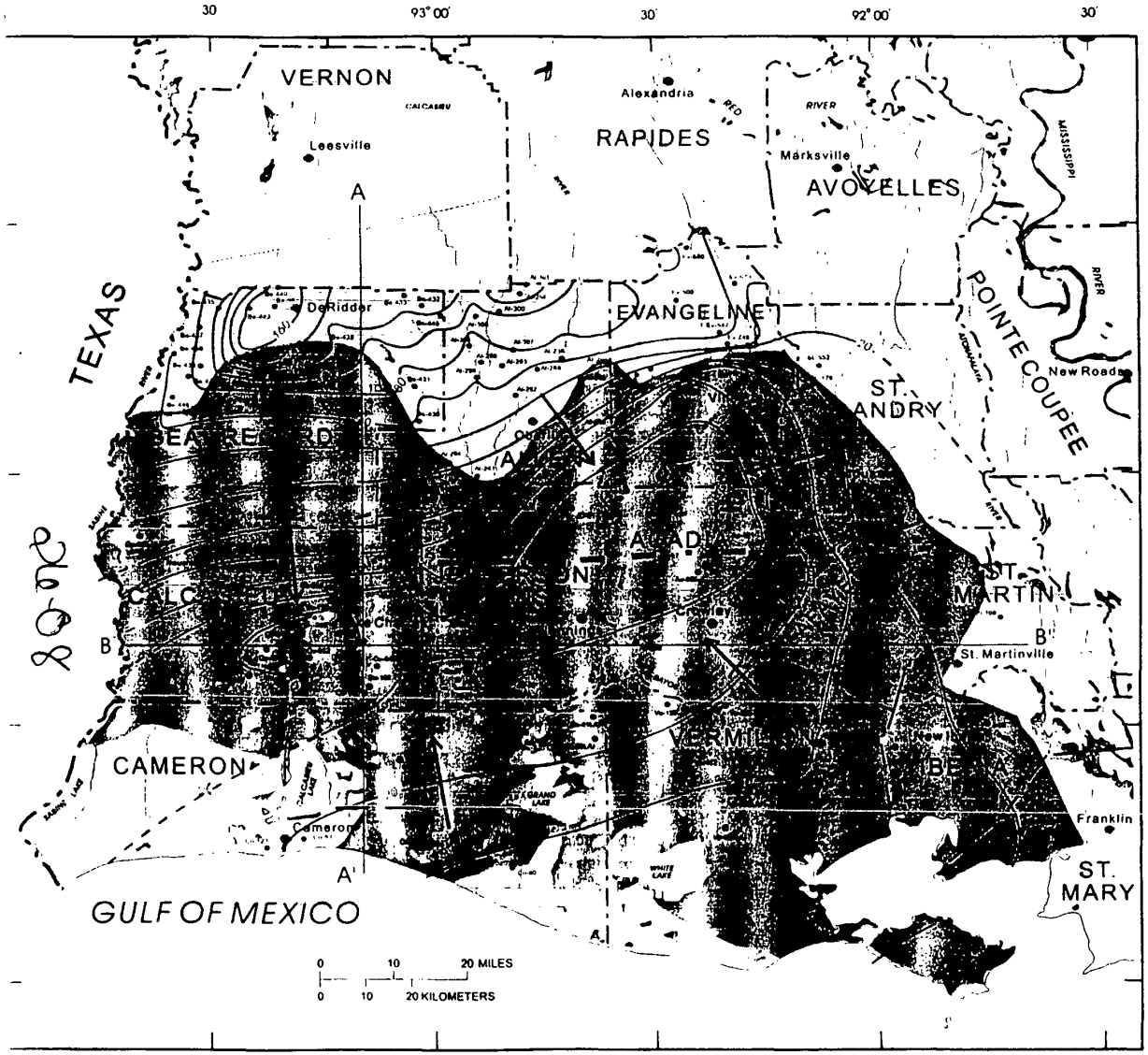

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EXPLANATION

- AREAL EXTENT OF FRESHWATER IN THE CHICOT AQUIFER SYSTEM (SMOOT, 1986)
- RECHARGE AREA
- 20 — POTENTIOMETRIC CONTOUR -- Shows altitude at which water level would have stood in tightly cased wells. Dashed where approximately located. Interval 10 and 20 feet. Datum is sea level
- GENERAL DIRECTION OF GROUND-WATER MOVEMENT
- B — B' LINE OF HYDROGEOLOGIC SECTION (see fig. 3)
- ? APPROXIMATE BOUNDARY BETWEEN THE CHICOT MASSIVE SAND TO THE NORTH AND THE UPPER AND LOWER SANDS TO THE SOUTH
- ? APPROXIMATE BOUNDARY BETWEEN THE CHICOT MASSIVE SAND TO THE NORTH AND THE "200-," "500-," AND "700-FOOT" SANDS TO THE SOUTH
- APPROXIMATE BOUNDARY BETWEEN THE UPPER AND LOWER SANDS TO EAST AND THE "200-" AND "700-FOOT" SANDS TO THE WEST
- ● 1-93 CONTROL POINT AND WELL NUMBER

1. Location of study area and potentiometric surface of the massive, upper, and "200-foot" sands of the Chicot aquifer system in southwestern Louisiana, spring 1991 lied from Walters, 1996 [illegible] 1).

Background

Declining water levels and saltwater encroachment in the Chicot aquifer system of southwestern Louisiana have been concerns of water managers in the region since the 1930's. The Chicot aquifer system underlies all or part of Acadia, Allen, Beauregard, Calcasieu, Cameron, Evangeline, Iberia, Jefferson Davis, Lafayette, St. Landry, St. Martin, St. Mary, and Vermilion Parishes in southwestern Louisiana (fig. 1). The Chicot aquifer system is vulnerable to saltwater encroachment from the Atchafalaya River area, coastal areas near the Gulf of Mexico, and from underlying aquifers. Heavy pumping from the Chicot aquifer system during the past several decades has substantially altered flow patterns from pre-development conditions, increasing the potential for saltwater encroachment.

Since 1963, DOTD and USGS have maintained a cooperative agreement to monitor movement of saltwater in the Chicot aquifer system in southwestern Louisiana. Water samples have been collected semi-annually from wells in key areas of the aquifer system and analyzed for chloride concentration. Extensive sampling of additional wells to delineate saltwater movement also has been conducted periodically. In 1995, the USGS, in cooperation with DOTD, began a 2-year study to define current (1995-96) distribution of saltwater in the Chicot aquifer system of southwestern Louisiana. Because saltwater encroachment has occurred to some extent in many developed coastal areas of the United States, results of this study also may help improve understanding of conditions in similar coastal settings.

Purpose and Scope

This report describes the current (1995-96) distribution of saltwater in the Chicot aquifer system, which includes many sands referred to as the shallow, massive, upper, lower, "200-foot," "500-foot," and "700-foot" sands in southwestern Louisiana. The report focuses on areas of the Chicot aquifer system that have experienced, or are at risk from, saltwater encroachment. The primary aquifers discussed are the upper and "200-foot" sands, shallow sand, "500-foot" sand, and "700-foot" sand.

Maps are presented that show the potentiomentric surface for the upper, "200-foot", and "massive sands during spring 1991, the "500-foot" sand during spring 1991, and the "700-foot" sand during fall 1995. Graphs of water-level data also are presented.

The report describes movement of the leading edge of saltwater and changes in chloride concentrations above and below the base of freshwater. Maps are presented that show the current (1995-96) distribution of saltwater in the "upper and 200-foot" sands, the shallow sand, the "500-foot" sand, and the "700-foot" sand. The maps are modified from Nyman (1984) based on chloride-concentration data from 181 wells, primarily collected during 1995-96. Wells were selected for sampling based on their depth and proximity to the freshwater-saltwater interface described by Nyman (1984). Water-level, specific conductance, and chloride data for wells sampled are presented in the appendix. Variations in density caused by the presence of saltwater in wells in some areas were not great enough to require adjustment of water levels to freshwater equivalents. Data for additional wells that are not shown on figures or mentioned in the text of this report, are included in the appendix for the purpose of completeness. Graphs of chloride-concentration data also are presented.

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Previous Investigations

Since the early 1900's, many studies have focused on the occurrence of ground water, declining water levels, and saltwater encroachment in the Chicot aquifer system of southwestern Louisiana. Harris (1904) presented information about the underground waters of southwestern Louisiana and included a section on their use for water supplies and rice irrigation. In 1944, Stanley and Maher reported on declining water levels in Acadia and Jefferson Davis Parishes due to pumpage for rice irrigation. The report also presents three cross-sections through southwestern Louisiana, which show the depth of the freshwater-saltwater interface in the Chicot aquifer system. Jones (1950a) discussed water quality and the occurrence of saltwater in the Chicot aquifer system and presented a map showing the depth of occurrence of fresh ground water throughout southwestern Louisiana. Jones (1950b) reported on ground-water conditions in the Lake Charles area, noting the rapid growth and increasing use of ground water in the Lake Charles industrial district and the increasing chloride concentrations in water from some wells completed in the "700-foot" sand. Jones and others (1954) presented the first comprehensive report on the geology and ground-water resources of southwestern Louisiana; the authors presented maps of the Chicot aquifer system and the base of freshwater and discussed the presence of saltwater and possibilities of saltwater encroachment in basal sands and coastal areas of the Chicot aquifer system. Saltwater encroachment in the lower Vermilion River area also is discussed. Harder (1960a) presented a detailed report on the geology and ground-water resources of Calcasieu Parish, including a discussion of the occurrence and mobility of saltwater in the "200-," "500-," and "700-foot" sands.

Reports summarizing ground-water conditions in southwestern Louisiana were published regularly from 1948 to 1971. These reports document long-term water level declines in the upper sand and the "500-foot" and "700-foot" sands with hydrographs and potentiometric-surface maps. Most of the reports include an additional discussion of related topics concerning the Chicot aquifer system. For example, Meyer (1953) discussed saltwater encroachment in the lower Vermilion River area. The occurrence of saltwater in the "700-foot" sand and the subsequent abandonment of a well are mentioned in Fader (1954). Fader (1957) updated the base-of-freshwater map of Jones and others (1954) and suggested five possible reasons for the presence of saltwater in the Chicot aquifer system: (1) incomplete flushing of the aquifer by freshwater as the coastline moved southward, (2) lateral movement through formations, (3) downward seepage from surface sources, (4) vertical movement through underlying or overlying materials, and (5) upward movement along faults or around salt domes. Harder (1960b) mentioned the abandonment of several wells in the "700-foot" sand located in the Lake Charles industrial district due to the occurrence of brackish water at a nearby well. Whitman and Kilburn (1963) discussed the occurrence and inland movement of saltwater in coastal areas of the upper sand due to intense ground-water pumpage. Hodges and others (1963) discussed the occurrence of brackish water and methane in the "700-foot" sand at the Lockport oil field in the Lake Charles industrial district. Harder and others (1967) presented maps of freshwater-saltwater interfaces in the upper sand, the "500-foot" sand, and the "700-foot" sand and discussed the rates of encroachment.

Zack (1971) summarized the results of 10 years of monitoring chloride concentrations in water from 30 wells of a network established to monitor saltwater intrusion in the Chicot aquifer system. Nyman (1984) summarized chloride and specific-conductance data collected by the USGS from wells in the Chicot aquifer system since 1937, focusing on data from the network monitoring chloride concentrations. Nyman (1984) also used electric and drillers' log data to create detailed hydrogeologic maps showing thicknesses of intervals with freshwater and locations of saltwater in the Chicot aquifer system. In another study, Nyman

and others (1990) presented the results of a digital ground-water flow model, which indicated that the largest component of recharge to the Chicot aquifer system during 1981 conditions was vertical leakage. Potentiomentric-surface maps of water levels in the Chicot aquifer system for 1984 and 1991 conditions also have been published (Fendick and Nyman, 1987; Walters, 1996).

Acknowledgments

The author gratefully acknowledges the assistance and cooperation of numerous industries, public suppliers, and private well owners who allowed their wells to be sampled. Russell Buckels, City of Lake Charles Water Division, provided chloride-concentration data for City of Lake Charles public-supply wells. Special thanks are given to Dale Nyman, formerly of the U.S. Geological Survey, for providing technical insight and assistance. Thanks also to Zahir "Bo" Bolourchi, Chief, Water Resources Section, Louisiana Department of Transportation and Development, for providing well information and assistance in the publication of this report.

HYDROGEOLOGY

Description of Hydrogeologic Units

The Chicot aquifer system consists of alternating beds of unconsolidated gravel, sand, silt, and clay and underlies most of southwestern Louisiana and parts of eastern Texas. The sediments, deposited in deltaic and near-shore marine environments during the Pleistocene Epoch, form beds that dip and thicken southward, beneath the Gulf of Mexico (fig. 3). The sand units grade southward from coarse sand and gravel to finer sediments and become increasingly subdivided by clay units. The aquifer system also thickens eastward, toward the Atchafalaya River area, and is hydraulically connected to alluviums of the Atchafalaya and Mississippi Rivers. Recharge to the Chicot aquifer system occurs as downward percolation from the land surface in the outcrop area of the sand part of the aquifer in the northern part of the study area, through the Atchafalaya aquifer from the Atchafalaya River in the eastern part of the study area (fig. 1), from vertical leakage through surficial clay units, and, to a lesser extent, upward leakage from the underlying Evangeline aquifer.

The Chicot aquifer system has been divided into three subregions in Louisiana based on the occurrence of major clay units. In the northern part of the study area, approximately north of lat 30°20′N., the aquifer system is comprised mainly of a single massive sand, referred to in this report as the massive sand (fig. 1). South of the massive sand, in eastern parts of Calcasieu and Cameron Parishes, and in parishes east nearly to the Atchafalaya River, the Chicot aquifer system includes an upper sand and a lower sand (Whitman and Kilburn, 1963, p. 10). In most of Calcasieu Parish and in the central and western parts of Cameron Parish, the aquifer system includes the "200-," "500-," and "700-foot" sands, named after their depth of occurrence in the Lake Charles area (Jones, 1950b, p. 2). The "200-foot" sand is stratigraphically equivalent to, and continuous with, the upper sand. The "700-foot" sand is stratigraphically equivalent to, and continuous with, the lower sand. The "500-foot" sand pinches out to the east near the Calcasieu-Jefferson Davis Parish border.

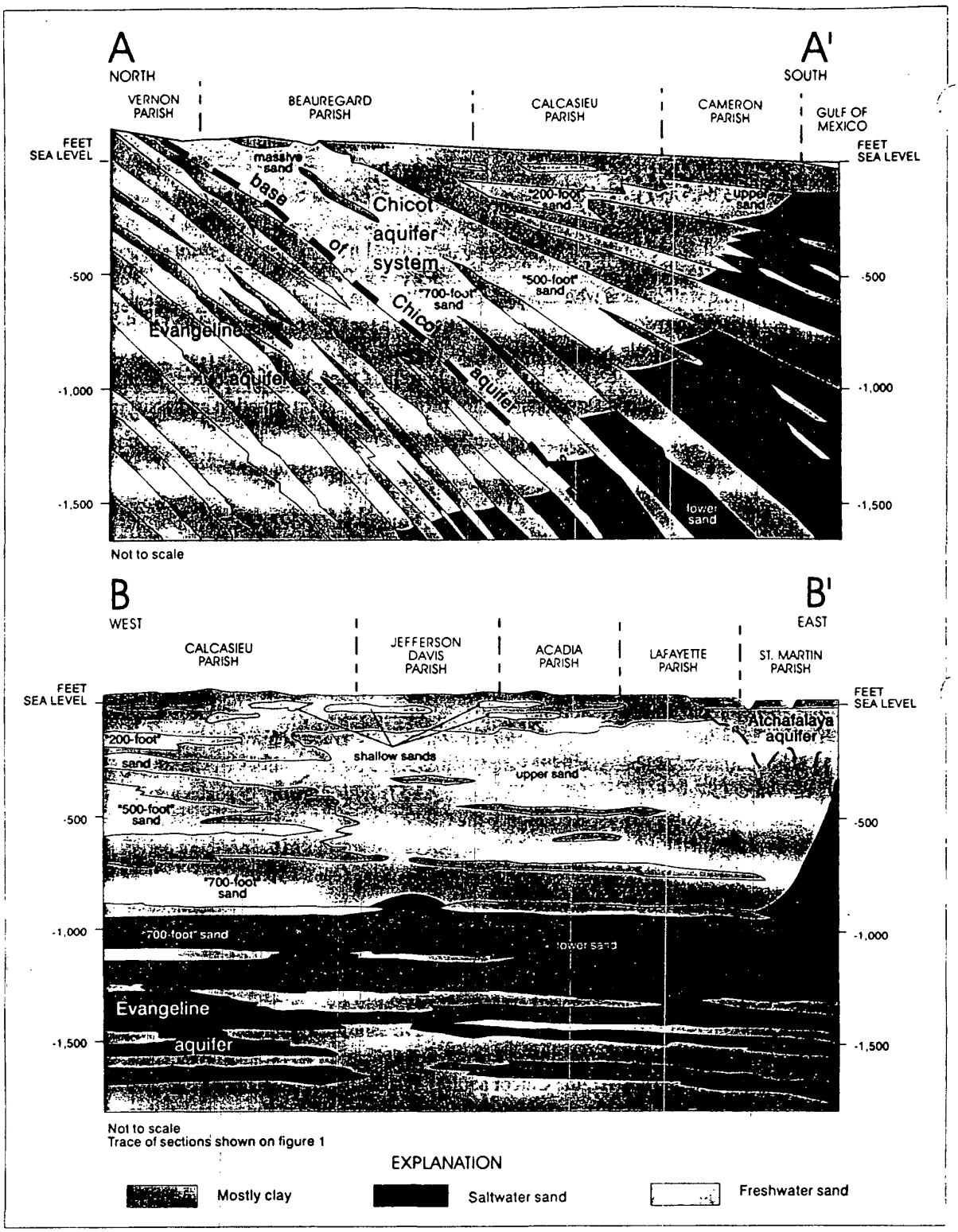

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Figure 3. Idealized hydrogeologic sections through southwestern Louisiana (modified from Nyman, 1984).

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In addition, several relatively thin sands, generally less than 20 ft in thickness, that occur locally within a surficial confining unit are collectively termed the shallow sand. However, the shallow sand ranges in thickness from 100 to 250 ft (Harder and others, 1967, p. 35) throughout much of the lower Vermilion River area near Abbeville, La., and was formerly known as the Abbeville unit in this area (Harder and others, 1967, p. 35). The upper sand and the shallow sand generally are separated by a thin clay layer in this area. A partial hydrogeologic column for southwestern Louisiana is shown in figure 4.

System	Series	Aquifer system	Aquifer	
			Lake Charles area	Rice growing area
Quaternary	Pleistocene	Chicot aquifer system	Shallow sand	Shallow sand
			"200-foot" sand	Upper sand
			"500-foot" sand "700-foot" sand	Lower sand
Tertiary	Pliocene	Evangeline aquifer		
	?			
	Miocene			

Figure 4. Partial hydrogeologic column of an aquifer system and aquifers in southwestern Louisiana (modified from Lovelace and Lovelace, 1995, p. 10).

At the top of the Chicot aquifer system is a thick layer of clay that is a surficial confining unit and is areally extensive throughout most of southwestern Louisiana. Rice cultivation during the past 100 years has caused salts and fine clays to leach downward forming a low-permeability horizon in the surficial clay, called the "hard pan" by local farmers (D.J. Nyman, formerly of the U.S. Geological Survey, written commun., 1997). The surficial confining unit generally averages about 100 ft in thickness throughout most of the study area, but is more than 500 ft thick in parts of Calcasieu and Cameron Parishes (Jones and others, 1954, pl. 4). Surficial clays in southern Louisiana were once thought an impermeable barrier to downward movement of water from the surface (Stanley and Maher, 1944, p. 13; Meyer, 1953, p. 2). However, faulting and fracturing associated with salt domes and secondary porosity created by subaerial weathering after deposition have resulted in vertical hydraulic conductivities of the clays that may be several orders of magnitude higher than those measured from core samples in a laboratory (Hanor, 1993).

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Water Levels and Movement

Prior to development, recharge entered the Chicot aquifer system in the northern part of the study area and moved down-dip to discharge in the Atchafalaya, Sabine, and lower Vermilion River area (fig. 1) and in the coastal marshes (Nyman and others, 1990, p. 11-12). Springs and flowing wells completed in the Chicot aquifer system were common in parts of Calcasieu Parish and coastal areas from Cameron Parish to St. Mary Parish (Harris, 1904, p. 28).

By 1946, large withdrawals for rice farming and, in the Lake Charles area, for manufacturing purposes during World War II, had substantially altered the pattern of flow in the Chicot aquifer system (Jones and others, 1954). Water from all areas of the aquifer then flowed towards rice-growing areas in Acadia, Evangeline, and Jefferson Davis Parishes and towards the Lake Charles industrial district in Calcasieu Parish. This pattern of flow has continued to the present (1995-96); water levels in the upper and "200-foot" sands are lower than 30 ft below sea level in much of Calcasieu, Jefferson Davis, and Acadia Parishes (fig. 1) (Fendick and Nyman, 1987; Walters, 1996). A computer simulation of flow in the Chicot aquifer system indicated that, under 1981 conditions, the largest component of recharge to the aquifer was from vertical leakage, primarily from the overlying water table, throughout southwestern Louisiana (Nyman and others, 1990, p. 33). More than 90 percent of this water entering the aquifer system was discharged as pumpage (Nyman and others, 1990, p. 33).

The completion of the Sabine River Diversion Canal in 1982, and the subsequent decreased use of ground water by industries in the Lake Charles industrial district (just west of Lake Charles), caused water levels in the "500-foot" sand, the most intensely pumped of the three sands underlying that area, to rise from a low of more than 150 ft below sea level to about 100 ft below sea level in the deepest part of the cone of depression beneath the industrial district. Water levels in wells in the "200-foot" sand and "700-foot" sand also rose in the industrial district by as much as 20 ft and 30 ft, respectively.

During spring 1991, water levels in the "500-foot" sand ranged from less than 30 ft below sea level to more than 90 ft below sea level in Calcasieu Parish (fig. 5). The cone of depression, centered beneath the Lake Charles industrial district, is the result of intense local pumping. The general lateral movement of water in the "500-foot" sand in all areas of Calcasieu Parish is toward the Lake Charles industrial district.

Water levels in the lower and "700-foot" sands ranged from less than 20 ft below sea level to more than 80 ft below sea level in Calcasieu Parish during fall 1995 (fig. 6). A cone of depression, centered beneath the Lake Charles industrial district, is primarily the result of pumping from the "500-foot" sand. The "500-foot" sand and the "700-foot" sand are hydraulically connected in numerous areas throughout the parish where the confining unit between the two sands is thin or missing. Upward leakage of water from the "700-foot" sand to the "500-foot" sand has resulted in much lower water levels in the "700-foot" sand than could be attributed to pumping from the "700-foot" sand.

Prior to large-scale pumping from the upper sand for irrigation, the shallow sand supplied base flow to the Vermilion River along its lower reaches near Abbeville. However, pumping from the upper sand has lowered water levels in the shallow sand, which is now recharged by water from the Vermilion River in this area (Nyman, 1984, p. 21).

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DISTRIBUTION OF SALTWATER IN THE CHICOT AQUIFER SYSTEM

The occurrence of saltwater in the Chicot aquifer system primarily has been attributed to incomplete flushing by freshwater as the coastline moved southward and encroachment (lateral movement inland from coastal areas and upward movement from underlying aquifers). For this report, saltwater is defined as water containing greater than 250 mg/L of chloride[1]. Chloride concentrations in water from the Chicot aquifer system generally range from 20 to 75 mg/L (background concentrations) (Tomaszewski, 1992, pl. 2). Water with higher chloride concentrations (greater than 75 mg/L) occurs in the Chicot aquifer system in small areas not associated with saltwater encroachment, such as in very shallow sands and locally near salt domes.

Because highly saline water is denser than freshwater, two distinct layers may be formed because of the density difference, and the contact between a freshwater body and a saltwater body within an aquifer may form a mixing zone or interface. In Louisiana's coastal areas, the freshwater-saltwater interface typically resembles a low-angle wedge. The leading edge of the saltwater wedge, known as the "toe," lies at the base of each sand and generally extends many miles inland from the main body of saltwater (Nyman, 1984, p. 10). For the purpose of this report, a chloride body is an area within an aquifer in which the water has a substantially higher chloride concentration than is typically found in the aquifer.

Hydrogeologic factors and the effects of pumping on hydraulic and salinity gradients determine the rate and direction of saltwater encroachment in the Chicot aquifer system. Properties of the individual sands, such as permeability and porosity, affect the rate of flow through the aquifer. Hydrogeologic factors, such as the configuration of the base of the aquifer and faulting, can affect the direction and rate of movement of saltwater.

Lateral flow velocities, which indicate the potential lateral rate of saltwater movement through the Chicot aquifer system, were estimated using potentiometric-surface maps for 1991 and 1995. Water levels in the Chicot aquifer system have not changed substantially since 1991. The rate of ground-water flow, and therefore, the potential rate of saltwater movement, were estimated based on hydraulic properties of the aquifer, hydraulic gradient, and the following application of Darcy's law:

$$V = \frac{KI}{\Theta}, \qquad \text{(Eq. 1)}$$

where

V is ground-water velocity, in foot per day;
K is aquifer hydraulic conductivity, in foot per day;
I is hydraulic gradient, in foot per foot; and
Θ is aquifer porosity, dimensionless.

Use of Darcy's Law for this estimate assumes no dispersion or density effects.

[1]Concentrations of chloride greater than 250 mg/L exceed the secondary maximum contaminant level (SMCL) for drinking water (U.S. Environmental Protection Agency, 1977, 1992). SMCL's are established for contaminants that can adversely affect the aesthetic quality of drinking water. At high concentrations or values, health implications as well as aesthetic degradation may also exist. SMCL's are not federally enforceable, but are intended as guidelines for the states.

Upper and "200-Foot" Sands

Saltwater is present in the upper and "200-foot" sands in five areas which roughly encompass about 4,000 mi^2 (fig. 7). The Atchafalaya River area, Vermilion Parish area, and Cameron Parish area are broad, adjacent areas where saltwater is present. Saltwater potentially could move northward from coastal areas and westward from the Atchafalaya River area towards areas of heavy pumping in Acadia, Jefferson Davis, and Calcasieu Parishes. Saltwater has been documented in areas near Iowa, La., and along the lower Vermilion River area near Abbeville. The location of the freshwater-saltwater interface in the upper sand has not changed substantially since the interface was defined by Nyman (1984).

Water in the "200-foot" sand in western Cameron Parish is generally salty in all but the northernmost parts of the parish (Nyman, 1989, pl. 9). Most of northwestern Cameron Parish and southwestern Calcasieu Parish is relatively undeveloped and, because the "200-foot" sand is thin and subdivided by layers of clay (Harder, 1960a, p. 27-28), few wells are completed in the sand. There has been no indication of saltwater movement in the "200-foot" sand in this region.

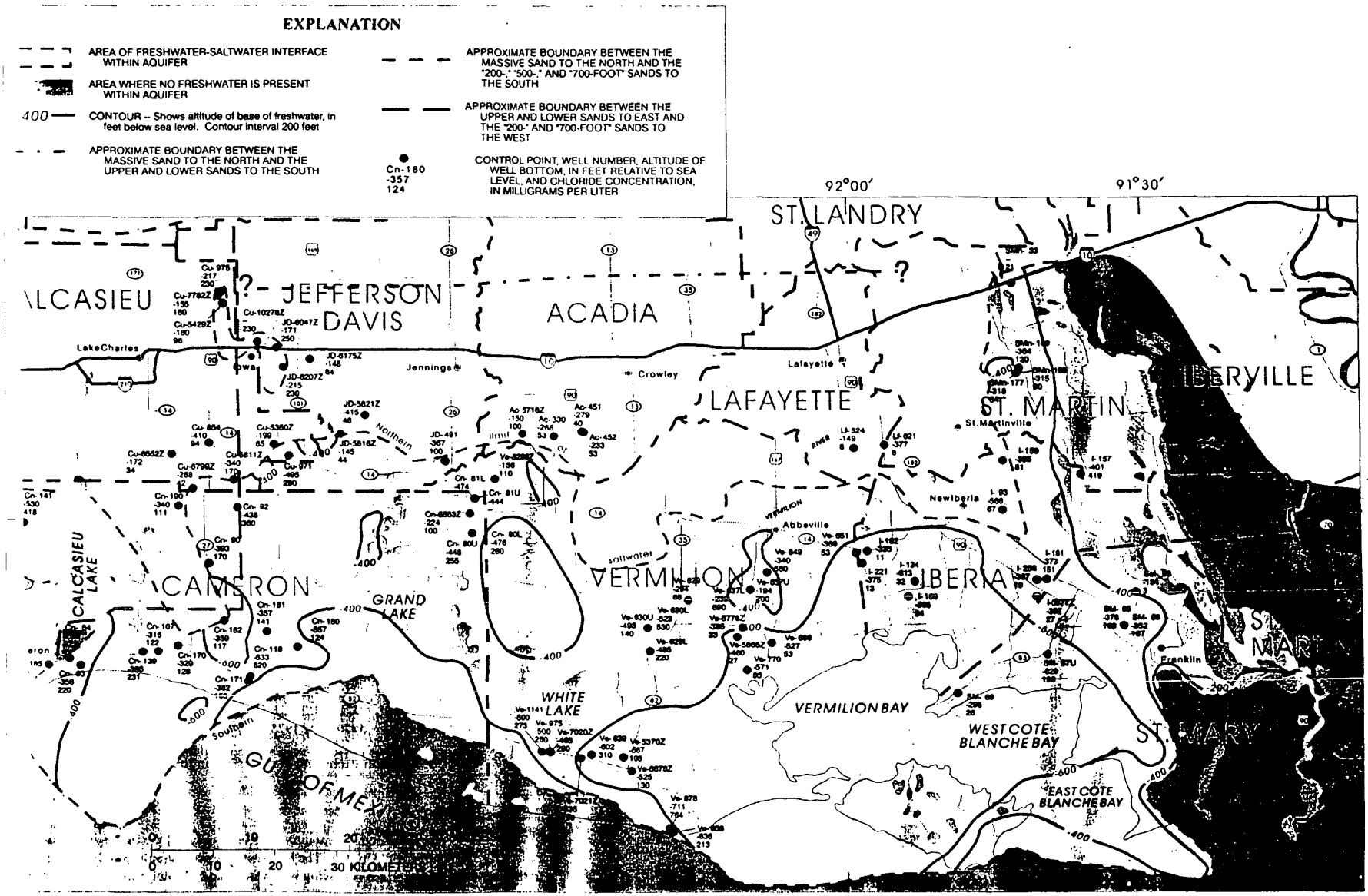
Atchafalaya River Area

A tongue of saltwater extends northward from the Gulf of Mexico beneath the Atchafalaya River area in western Iberville and eastern Iberia, St. Martin, and St. Mary Parishes; no major aquifers contain freshwater in this area (fig. 7) (Smoot, 1986). A freshwater-saltwater interface in the upper sand extends westward from the tongue, at altitudes between about 200 and 400 ft below sea level, into central Iberia and St. Martin Parishes and across St. Mary Parish (Nyman, 1984). The base of the upper sand dips southward from an altitude of about 300 ft below sea level in northern St. Martin Parish to an altitude of about 800 ft below sea level near Franklin, La., in St. Mary Parish (Harder and others, 1967, pl. 3; Nyman, 1989, pl. 9).

Intense pumping from the upper sand, primarily for rice irrigation in parishes west of St. Martin Parish, has resulted in a hydraulic gradient for potential westward movement of the saltwater interface (fig. 1). The hydraulic gradient in the Atchafalaya River area ranges from about 1.0 ft/mi in northern St. Martin Parish to about 0.3 ft/mi in southern Iberia Parish. Assuming an average lateral hydraulic conductivity of 200 ft/d (Harder and others, 1967, p. 7) and an average porosity of 0.25, the average lateral velocity of ground-water flow along the interface ranges from 55 ft/yr (0.15 ft/d) in northern St. Martin Parish to 18 ft/yr (0.05 ft/d) in southern Iberia Parish.

Chloride concentrations in water from area wells, however, do not indicate that substantial movement of the freshwater-saltwater interface is occurring. Three wells, SMn-109, I-93, and SM-57U, were constructed in the mid-1960's to monitor potential westward movement of saltwater. Water levels at these wells indicate no definitive long-term trends, indicating that hydraulic gradients and the potential rate of saltwater movement have not changed substantially since the wells were constructed (fig. 8).

Chloride concentrations in water from well SMn-109 have risen at a rate of about 1 [(mg/L)/yr] since the mid-1960's (fig. 8). Well SMn-109 is used to monitor salinity changes above the freshwater-saltwater interface in central St. Martin Parish and locally near the Section 28 salt dome. The Section 28 salt dome is located beneath the closed -400-ft contour immediately west of well SMn-109 (fig. 7). The Section 28 salt dome contains salt to an altitude of 1,178 ft below sea level (Beckman and Williamson, 1990) and the mound in the freshwater-saltwater interface, indicated by the -400-ft contour, may be the result of upward



Louisiana Department of Transportation and Development-U.S. Geological Survey Water Resources Cooperative Program

...ution of chloride in the upper and "200-foot" sands in southwestern Louisiana, 1995-96 (modified from Nyman, 1984, pl. 2).

chloride concentrations in wells located in Iberia, St. Martin, and St. Mary Parishes could be due to recharge into the upper sands of the aquifer by low-salinity water from alluvium in the Atchafalaya River area. In addition, well I-93 is very near, possibly directly above, the Iberia salt dome (not shown in fig. 7), which contains salt to an altitude of 1,075 ft below sea level (Beckman and Williamson, 1990). However, there is no evidence of increased chloride concentrations in the upper sand associated with the Iberia salt dome.

Chloride concentrations in water from well SM-57U are monitored to detect changes in salinity at the base of freshwater in western St. Mary Parish (fig. 7). The well is located near the eastern edge of a large body of freshwater in the upper sand which underlies Vermilion and West Cote Blanche Bays (fig. 7). Chloride concentrations in water from well SM-57U have remained relatively unchanged since the mid 1960's (fig. 8). This lack of change suggests no discernible movement of saltwater in the area, which is consistent with the very slow ground-water flow velocities that have been estimated.

Vermilion Parish Area

The Vermilion Parish area includes Vermilion Parish, western Iberia Parish, and the southern tips of Acadia and Lafayette Parishes. The freshwater-saltwater interface in the upper sand in the Vermilion Parish area extends inland from the Gulf of Mexico at altitudes ranging from about 400 to 600 ft below sea level (fig. 7).

Intense pumping for rice irrigation in Acadia and Jefferson Davis Parishes could cause the freshwater-saltwater interface in the Vermilion Parish area to move northwestward (figs. 1 and 7). The hydraulic gradient in the Vermilion Parish area averages about 1 ft/mi towards the northwest. Assuming an average lateral hydraulic conductivity of 200 ft/d (Harder and others, 1967, p. 7) and an average porosity of 0.25, the average lateral velocity of ground-water flow along most of the interface in the Vermilion Parish area is about 55 ft/yr (0.15 ft/d).

Long-term records of chloride concentrations in water from wells located above and below the base of freshwater in the Vermilion Parish area show no indication that the position of the freshwater-saltwater interface in the Vermilion Parish area has changed substantially since the mid-1960's. However, few wells are located near the leading edge of the freshwater-saltwater interface and screened at an appropriate depth to determine if northward movement of the interface is occurring.

Well Ve-630L, located near the center of Vermilion Parish and screened below the base of freshwater, has shown long-term chloride-concentration increases of 6 (mg/L)/yr (figs. 7 and 9). However, chloride concentrations in water from well Ve-630U, screened only 30 ft above well Ve-630L and located at the same site, have not changed substantially since the well was constructed. Chloride concentrations in water from well Ve-639, located about 10 mi south of Ve-630L and screened below the base of freshwater, also show little long-term change. The increasing chloride concentrations in water from well Ve-630L and little change at well Ve-630U may indicate that saltwater is encroaching in lower parts of the aquifer, but not in the upper parts. Water levels at these wells show no long-term changes, indicating the potential for saltwater movement has not changed substantially since the wells were constructed in the mid 1960's (fig. 9).

CERCLIS No.: LA0000605278

Reference 27

TDD No.: S06-00-02-0022

MITRE

26 May 1988
W52-219

Ms. Lucy Sibold
U.S. Environmental Protection Agency
401 M Street, S.W.
Room 2636, Mail Code WH-548A
Washington, D.C. 20460

Dear Ms. Sibold:

Enclosed is a copy of the draft revised HRS net precipitation values for 3,345 weather stations where data were available. The data are presented by state code, station name, latitude longitude, and net precipitation in inches. A list of state codes is also enclosed.

The net precipitation values are provided to assist the Phase II - Field Testing efforts. It is suggested that the value from the nearest weather station in a similar geographic setting be used as the net precipitation value for a site.

If there are any questions regarding this material, please contact Dave Egan at (703) 883-7866.

Sincerely,

Andrew M. Platt
Group Leader
Hazardous Waste Systems

AMP:DEE/hme

Enclosures

cc: Scott Parrish

The MITRE Corporation
Civil Systems Division
7525 Colshire Drive, McLean, Virginia 22102-3481

27-01

OBS	STATE	NAME		NUM	LONNUM	NETPREC
1046	15	SCOTTSVILLE 3 SSW		36.44	86.13	24.5491
1047	15	MAYFIELD RADIO WNGO		36.47	88.38	25.3755
1048	15	BAXTER		36.51	83.20	23.6126
1049	15	HOPKINSVILLE		36.51	87.30	24.3419
1050	15	BARBOURVILLE		36.52	83.53	23.3151
1051	15	RUSSELLVILLE		36.52	86.53	26.2493
1052	15	SUMMER SHADE		36.53	85.43	23.9527
1053	15	BOWLING GREEN FAA AP		36.58	86.26	23.4509
1054	15	LOVELACEVILLE		36.58	88.50	22.9992
1055	15	MANCHESTER 4 SE		37.06	83.43	22.4824
1056	15	PADUCAH SEWAGE PLANT		37.06	88.36	20.2830
1057	15	SOMERSET 2 N		37.07	84.37	23.3421
1058	15	PRINCETON 1 SE		37.07	87.52	22.5323
1059	15	MAMMOTH CAVE PARK		37.11	86.05	24.6686
1060	15	GREENSBURG		37.15	85.30	23.8502
1061	15	CAMPBELLSVILLE 2 SSW		37.19	85.22	22.6528
1062	15	MADISONVILLE 1 SE		37.19	87.29	20.9180
1063	15	BEAVER DAM		37.25	86.52	20.2457
1064	15	JACKSON WSO AP		37.26	83.19	19.7651
1065	15	FORDS FERRY DAM 50		37.28	88.06	18.8130
1066	15	LEITCHFIELD 2 N		37.31	86.18	22.2079
1067	15	BEREA COLLEGE		37.34	84.18	19.6143
1068	15	DANVILLE		37.39	84.46	21.4832
1069	15	HENDERSON 7 SSW		37.45	87.38	18.9768
1070	15	OWENSBORO 2 W		37.46	87.09	20.4014
1071	15	BARDSTOWN		37.48	85.28	21.1779
1072	15	WEST LIBERTY		37.55	83.15	19.7645
1073	15	LEXINGTON WSO	R	38.02	84.36	19.7394
1074	15	MOUNT STERLING		38.04	83.56	19.7741
1075	15	FARMERS 1 WNW		38.09	83.33	18.7360
1076	15	LOUISVILLE WSO	R	38.11	85.44	19.3259
1077	15	SHELBYVILLE		38.13	85.16	20.0068
1078	15	FRANKFORT LOCK 4		38.14	84.52	18.9018
1079	15	ANCHORAGE		38.16	85.32	21.4009
1080	15	ASHLAND		38.27	82.36	16.5790
1081	15	VANCEBURG		38.35	83.20	18.1494
1082	15	WILLIAMSTOWN 3 NW		38.39	84.37	18.9310
1083	15	MAYSVILLE SEWAGE PLANT		38.41	83.47	19.6983
1084	15	CARROLLTON LOCK 1		38.41	85.11	16.9412
1085	15	COVINGTON WSO	R	39.04	84.40	17.0404
1086	16	HOUMA		29.35	90.44	21.5182
1087	16	MORGAN CITY		29.41	91.11	20.9248
1088	16	VERMILION LOCK		29.47	92.12	21.0188
1089	16	FRANKLIN 3 NW		29.49	91.33	21.2264
1090	16	HACKBERRY 8 SSW		29.53	93.25	16.9338
1091	16	N O AUDUBON WSO	R	29.55	90.08	19.8387
1092	16	NEW ORLEANS MOISANT WSO		29.59	90.15	20.6237
1093	16	LAKE ARTHUR 10 SW		30.00	92.48	19.1572
1094	16	NEW IBERIA 5 NW		30.03	91.53	17.5543
1095	16	RESERVE		30.04	90.34	22.6758
1096	16	DONALDSONVILLE 3 E		30.06	90.56	21.1444
1097	16	LAKE CHARLES WSO		30.07	93.13	16.1362
1098	16	CARVILLE 2 SW		30.12	91.07	20.3079
1099	16	LAFAYETTE FAA AIRPORT		30.12	91.59	19.2050
1100	16	JENNINGS		30.15	92.40	21.2286

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ecology and environment

1	16	[illegible] EAU		[illegible]	92.02	22.3867
2	16	CO[illegible] NNW		30[illegible]	90.07	23.8247
1103	16	HAMM[illegible] NW		30.32	90.29	26.8570
1104	16	BATON ROUGE WSO	R	30.32	91.08	20.1282
1105	16	MELVILLE		30.41	91.45	22.3342
1106	16	AMITE		30.43	90.30	26.9962
1107	16	BOGALUSA		30.47	89.52	24.1599
1108	16	ELIZABETH		30.52	92.48	26.3992
1109	16	BUNKIE		30.57	92.10	27.3214
1110	16	LEESVILLE		31.09	93.16	22.0341
1111	16	ALEXANDRIA		31.19	92.28	24.2674
1112	16	BELAH FIRE TOWER		31.38	92.11	26.4149
1113	16	NATCHITOCHES		31.46	93.05	20.9529
1114	16	OLLA 3 SSW		31.52	92.16	26.3273
1115	16	WINNFIELD 2 W		31.56	92.41	23.8727
1116	16	SAINT JOSEPH EXP STA		31.57	91.14	24.7117
1117	16	LOGANSPORT 4 ENE		31.59	93.57	20.1961
1118	16	WINNSBORO		32.09	91.42	24.2368
1119	16	TALLULAH 2 SW		32.24	91.13	25.2981
1120	16	SHREVEPORT WSO	R	32.28	93.49	16.6642
1121	16	MONROE FAA AIRPORT		32.31	92.03	21.6628
1122	16	CALHOUN EXP STATION		32.31	92.20	22.3810
1123	16	RUSTON LA POLYTECH INS		32.31	92.39	23.4018
1124	16	MINDEN		32.36	93.18	20.2617
1125	16	HOMER EXP STATION		32.45	93.04	21.7412
1126	16	BASTROP		32.47	91.54	23.2370
1127	16	LAKE PROVIDENCE		32.49	91.12	25.6024
1128	16	COTTON VALLEY		32.49	93.25	21.3857
1129	16	PLAIN DEALING		32.54	93.41	20.9866
1130	17	PORTLAND WSO	//R	43.39	70.19	25.6420
1131	17	LEWISTON		44.06	70.14	26.3577
1132	17	GARDINER		44.13	69.47	25.3548
1133	17	AUGUSTA FAA AIRPORT		44.19	69.48	23.4279
1134	17	BAR HARBOR		44.23	68.12	32.5261
1135	17	BELFAST		44.24	69.00	29.7955
1136	17	RUMFORD 1 SSE		44.32	70.32	23.9090
1137	17	WATERVILLE PUMP STA		44.33	69.39	22.1899
1138	17	JONESBORO		44.39	67.39	31.1300
1139	17	FARMINGTON		44.41	70.09	26.3940
1140	17	BANGOR FAA AP		44.48	68.49	23.1465
1141	17	MADISON		44.48	69.53	21.2056
1142	17	EASTPORT	R	44.55	67.00	25.5849
1143	17	CORINNA		44.57	69.13	24.0225
1144	17	WOODLAND		45.09	67.24	27.6710
1145	17	RIPOGENUS DAM		45.53	69.11	19.8047
1146	17	HOULTON FAA AP		46.08	67.47	20.0847
1147	17	HOULTON		46.08	67.50	19.5627
1148	17	PRESQUE ISLE		46.39	68.00	17.1429
1149	17	CARIBOU WSO	//R	46.52	68.01	18.0141
1150	18	CRISFIELD SOMERS COVE		37.59	75.52	16.0542
1151	18	POCOMOKE CITY		38.04	75.33	18.2727
1152	18	PRINCESS ANNE		38.13	75.41	18.3406
1153	18	SNOW HILL 4 N		38.14	75.23	19.6273
1154	18	SOLOMONS		38.19	76.27	16.3734
1155	18	SALISBURY FAA AIRPORT		38.20	75.30	18.7381

27-03

CERCLIS No.: LA0000605278

Reference 28

TDD No.: S06-00-02-0022

There are 25 wells within a 0.5 mile radius of (lat/long) 30:13:07, -92:08:28

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
0.5	Lafayette	-127	BROUSSARD, E		BROUDREAUX	126	DOMESTIC	4X2	1940	30:12:53	-92:08:09	
0.5	Lafayette	-847	GUIDRY, HARRY		PELLERIN'S	230	IRRIGATION	4	Dec-89	30:12:43	-92:08:36	D W
0.5	Lafayette	-5100Z	MAY PETRO	HUTCHINS 2	RIG WATER	170	PLUGGED	4	Sep-84	30:12:58	-92:08:12	D
0.5	Lafayette	-5270Z	BENOIT, JANE		BILLEAUD, JAMES	200	DOMESTIC	2	Mar-84	30:12:52	-92:08:32	D W
0.5	Lafayette	-5505Z	BACQUE, DENNIS		CORMIER'S	190	IRRIGATION	2	Jun-85	30:13:09	-92:08:36	D W
0.5	Lafayette	-5871Z	ALLEMAN, ROY		BILLEAUD, JAMES	200	DOMESTIC	2	May-86	30:13:27	-92:08:33	D W
0.5	Lafayette	-6331Z	TABB, WILBERT		BROUSSARD	214	DOMESTIC	2	Jun-92	30:13:20	-92:08:06	D W
0.5	Lafayette	-6836Z	TRAHAN, WILSON		PELLERIN'S	200	DOMESTIC	2	Jun-88	30:13:00	-92:08:39	D W
0.5	Lafayette	-6837Z	DOMINGUE, HARRY		PELLERIN'S	110	DOMESTIC	2	Sep-88	30:12:44	-92:08:27	D W
0.5	Lafayette	-6846Z	GUIDRY, HARRY		UNKNOWN	.	DOMESTIC	2	1978	30:12:49	-92:08:32	
0.5	Lafayette	-7165Z	CAMPBELL, KARLD		UNKNOWN	60	PLUGGED	6	.	30:13:19	-92:08:35	
0.5	Lafayette	-7167Z	DUHON, LINDA		MEAUX, CARROLL	170	DOMESTIC	2	Jul-91	30:13:13	-92:08:22	D W
0.5	Lafayette	-7168Z	CAMPBELL, KARLA		BILLEAUD, JAMES	200	DOMESTIC	2	Aug-91	30:13:19	-92:08:35	D W
0.5	Lafayette	-7315Z	ROBERTS, KEVIN		BILLEAUD, JAMES	170	DOMESTIC	2	Sep-92	30:13:20	-92:08:06	W
0.5	Lafayette	-7371Z	BACON, LEE		LOUVIERE	165	DOMESTIC	2	Nov-92	30:13:33	-92:08:29	D W
0.5	Lafayette	-7372Z	DUPANTIS, RONNI		CAMPIONE	210	DOMESTIC	2	Dec-92	30:13:21	-92:08:28	D W
0.5	Lafayette	-7731Z	CAMPELL, DIRK		DELAHOUSSAYE	160	PLUGGED		Dec-93	30:13:18	-92:08:33	
0.5	Lafayette	-7732Z	CAMPELL, DIRK		DELAHOUSSAYE	199	DOMESTIC	2	Dec-93	30:13:18	-92:08:33	D W
0.5	Lafayette	-7769Z	CAMPELL, DIRK		UNKNOWN	.	PLUGGED	2	.	30:13:20	-92:08:36	
0.5	Lafayette	-8039Z	ANZALONE, LOUIS		HUVAL, BRIAN	200	DOMESTIC	2	Sep-94	30:13:24	-92:08:11	D W

10-88

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
0.5	Lafayette	-8398Z	LEBLANC, KERK		MEAUX, CARROLL	190	DOMESTIC	2	Sep-95	30:13:23	-92:08:07	D W
0.5	Lafayette	-8592Z	WILLIAMS, JAMES		MEAUX, CARROLL	170	DOMESTIC	2	May-96	30:13:25	-92:08:15	D W
0.5	Lafayette	-9363Z	CLIFFWOOD PROD	BACQUE 1	GUICHARD	200	PLUGGED	4	Jun-99	30:13:06	-92:08:52	D W
0.5	Lafayette	-9400Z	CORUTHERS, F		LOUVIERE	175	DOMESTIC	2	Jun-95	30:13:15	-92:08:29	D W
0.5	Lafayette	-9401Z	CORUTHERS, F		UNKNOWN	210	PLUGGED	2	.	30:13:15	-92:08:29	

28-02

There are 88 wells within a 1 mile radius of (lat/long) 30:13:07, -92:08:28

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
1	Lafayette	-123	TRAHAN, DELLY		BOUDREAUX	219	DOMESTIC	4X2	.	30:13:39	-92:07:58	
1	Lafayette	-124	SIADAUS, GASTAN		GUIDRY	200	ABANDONED	4X2	.	30:13:57	-92:08:18	
1	Lafayette	-126	CREDEUR, ED		PORTIER	170	DOMESTIC	3X2	.	30:13:23	-92:07:52	
1	Lafayette	-127	BROUSSARD, E		BROUDREAUX	126	DOMESTIC	4X2	1940	30:12:53	-92:08:09	
1	Lafayette	-128	RICHARD, C H		MOUTON R	90	DOMESTIC	4X1.25	.	30:12:35	-92:07:48	
1	Lafayette	-129	RICHARD, CLAUDI	OLD	STAMM-SCHEELE	300	IRRIGATION	10	1914	30:12:30	-92:07:48	Q W
1	Lafayette	-130	ARCENEAUX, E		PORTIER	172	DOMESTIC	3X2	1941	30:12:36	-92:09:09	
1	Lafayette	-434	BRENTWOOD TRAIL		BROUSSARD	198	PUBLIC SUPPLY	2	Dec-92	30:13:44	-92:07:48	D W
1	Lafayette	-647	RICHARD, CLAUDI	JUDICE FM	STAMM-SCHEELE	301	IRRIGATION	16X12X10	Nov-78	30:12:35	-92:07:44	D W
1	Lafayette	-774	WRIGHT, STEVE		BROUSSARD	186	PUBLIC SUPPLY	2	Jan-86	30:13:33	-92:08:55	D W
1	Lafayette	-847	GUIDRY, HARRY		PELLERIN'S	230	IRRIGATION	4	Dec-89	30:12:43	-92:08:36	D W
1	Lafayette	-916	AC WTR & SEWER		HUVAL, BRIAN	160	PUBLIC SUPPLY	4	Oct-91	30:13:42	-92:08:28	D W
1	Lafayette	-5059Z	MAY PETRO	HUTCHINS 1	GUICHARD	180	PLUGGED	4	Mar-84	30:12:51	-92:07:45	D
1	Lafayette	-5078Z	DAVIS OIL	RICHARD 1	WESTRO	200	PLUGGED	4	Jun-84	30:13:09	-92:09:24	D W
1	Lafayette	-5100Z	MAY PETRO	HUTCHINS 2	RIG WATER	170	PLUGGED	4	Sep-84	30:12:58	-92:08:12	D
1	Lafayette	-5270Z	BENOIT, JANE		BILLEAUD, JAMES	200	DOMESTIC	2	Mar-84	30:12:52	-92:08:32	D W
1	Lafayette	-5341Z	SONNIER, F		CORMIER'S	230	DOMESTIC	2	Jun-84	30:13:14	-92:07:53	D W
1	Lafayette	-5443Z	DUHON, TURNEY		CORMIER'S	186	DOMESTIC	2	Apr-85	30:12:43	-92:09:20	D W
1	Lafayette	-5460Z	PREJEAN, LEO P		CORMIER'S	185	DOMESTIC	2	Apr-85	30:13:35	-92:07:51	D W
1	Lafayette	-5505Z	BACQUE, DENNIS		CORMIER'S	190	IRRIGATION	2	Jun-85	30:13:09	-92:08:36	D W

28-03

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
1	Lafayette	-5871Z	ALLEMAN, ROY		BILLEAUD, JAMES	200	DOMESTIC	2	May-86	30:13:27	-92:08:33	D W
1	Lafayette	-6148Z	STANLEY, CLINT		BILLEAUD'S (A)	120	DOMESTIC	2	May-87	30:13:21	-92:08:00	D W
1	Lafayette	-6152Z	STANLEY, CLINT		UNKNOWN	120	PLUGGED		.	30:13:21	-92:08:00	
1	Lafayette	-6270Z	POOLE, PAUL		MEAUX, CARROLL	170	DOMESTIC	2	Jun-92	30:13:49	-92:08:15	D W
1	Lafayette	-6280Z	HEBERT, JOHN		MEAUX, CARROLL	140	DOMESTIC	2	May-92	30:12:45	-92:07:43	D W
1	Lafayette	-6331Z	TABB, WILBERT		BROUSSARD	214	DOMESTIC	2	Jun-92	30:13:20	-92:08:06	D W
1	Lafayette	-6360Z	LINDER OIL	ARCENEAUX1	RIG WATER	170	PLUGGED	4	Sep-88	30:13:13	-92:09:12	D W
1	Lafayette	-6627Z	LANDRY, BOB		BILLEAUD, JAMES	220	DOMESTIC	2	Sep-88	30:13:44	-92:07:52	D W
1	Lafayette	-6681Z	COASTAL OIL-GAS	RICHARD 1	RIG WATER	150	PLUGGED	4	Feb-90	30:12:34	-92:08:55	D W
1	Lafayette	-6759Z	TRIUNION DEVEL	CREDEUR 1	RIG WATER	190	RIG SUPPLY	4	Jul-92	30:12:58	-92:09:27	D W
1	Lafayette	-6834Z	HEBERT, JOHN		PELLERIN'S	170	DOMESTIC	2	Jun-87	30:12:40	-92:08:31	D W
1	Lafayette	-6836Z	TRAHAN, WILSON		PELLERIN'S	200	DOMESTIC	2	Jun-88	30:13:00	-92:08:39	D W
1	Lafayette	-6837Z	DOMINGUE, HARRY		PELLERIN'S	110	DOMESTIC	2	Sep-88	30:12:44	-92:08:27	D W
1	Lafayette	-6846Z	GUIDRY, HARRY		UNKNOWN	.	DOMESTIC	2	1978	30:12:49	-92:08:32	
1	Lafayette	-7032Z	GAUTHIER, ROGER		PELLERIN'S	120	DOMESTIC	2	Apr-91	30:13:23	-92:07:35	D W
1	Lafayette	-7070Z	LEGER, FOREST		PELLERIN'S	130	DOMESTIC	2	May-91	30:12:46	-92:07:39	D W
1	Lafayette	-7165Z	CAMPBELL, KARLD		UNKNOWN	60	PLUGGED	6	.	30:13:19	-92:08:35	
1	Lafayette	-7167Z	DUHON, LINDA		MEAUX, CARROLL	170	DOMESTIC	2	Jul-91	30:13:13	-92:08:22	D W
1	Lafayette	-7168Z	CAMPBELL, KARLA		BILLEAUD, JAMES	200	DOMESTIC	2	Aug-91	30:13:19	-92:08:35	D W
1	Lafayette	-7231Z	LEGER, HANSON		PELLERIN'S	140	DOMESTIC	2	Jun-92	30:12:45	-92:07:40	D W

28-04

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
1	Lafayette	-7272Z	LEGER, RANDALL		MEAUX, CARROLL	180	DOMESTIC	4	Jul-92	30:13:49	-92:08:58	D W
1	Lafayette	-7315Z	ROBERTS, KEVIN		BILLEAUD, JAMES	170	DOMESTIC	2	Sep-92	30:13:20	-92:08:06	W
1	Lafayette	-7371Z	BACON, LEE		LOUVIERE	165	DOMESTIC	2	Nov-92	30:13:33	-92:08:29	D W
1	Lafayette	-7372Z	DUPANTIS, RONNI		CAMPIONE	210	DOMESTIC	2	Dec-92	30:13:21	-92:08:28	D W
1	Lafayette	-7518Z	ANDERSON, MARIE		UNKNOWN	130	PLUGGED	2	1963	30:12:48	-92:07:43	
1	Lafayette	-7519Z	ANDERSON, MARIE		HUVAL, BRIAN	140	DOMESTIC	2	May-93	30:12:48	-92:07:43	D W
1	Lafayette	-7605Z	OTOOLE, WILLIAM		HUVAL, BRIAN	170	DOMESTIC	2	Aug-93	30:13:49	-92:08:59	D W
1	Lafayette	-7664Z	ANDERSON, IRVIN		CAMPIONE	210	DOMESTIC	2	Sep-93	30:13:36	-92:09:07	D W
1	Lafayette	-7672Z	ANDERSON, RAY		HUVAL, BRIAN	150	DOMESTIC	2	Sep-93	30:12:46	-92:07:44	D W
1	Lafayette	-7731Z	CAMPELL, DIRK		DELAHOUSSAYE	160	PLUGGED		Dec-93	30:13:18	-92:08:33	
1	Lafayette	-7732Z	CAMPELL, DIRK		DELAHOUSSAYE	199	DOMESTIC	2	Dec-93	30:13:18	-92:08:33	D W
1	Lafayette	-7769Z	CAMPELL, DIRK		UNKNOWN		PLUGGED	2		30:13:20	-92:08:36	
1	Lafayette	-7775Z	GUILLORY, BRENT		HUVAL, BRIAN	180	DOMESTIC	2	Feb-94	30:13:24	-92:08:05	D W
1	Lafayette	-7837Z	BROUSSARD, GLEN		LOUVIERE	130	DOMESTIC	2	Jan-94	30:12:41	-92:07:56	D W
1	Lafayette	-7935Z	GUILBEAU, GREG		MEAUX, CARROLL	220	DOMESTIC	2	Jun-94	30:13:49	-92:09:02	D W
1	Lafayette	-8038Z	THIGPEN, RONNIE		CAMPIONE	180	DOMESTIC	2	Sep-94	30:13:51	-92:08:58	D W
1	Lafayette	-8039Z	ANZALONE, LOUIS		HUVAL, BRIAN	200	DOMESTIC	2	Sep-94	30:13:24	-92:08:11	D W
1	Lafayette	-8074Z	BIHM, SHEILA		CAMPIONE	120	DOMESTIC	2	Nov-94	30:13:18	-92:07:38	D W
1	Lafayette	-8168Z	COLLINS, MIKE		MEAUX, CARROLL	130	DOMESTIC	2	Feb-95	30:12:48	-92:07:36	D W
1	Lafayette	-8206Z	FOREMAN, JOEY		FOREST, SHELDON	110	DOMESTIC	2	May-95	30:13:20	-92:07:36	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
1	Lafayette	-8207Z	MCQUIRE, MIKE		FOREST, SHELDON	200	DOMESTIC	2	May-95	30:13:17	-92:07:34	D W
1	Lafayette	-8216Z	CARRIER, SHERI		FOREST, SHELDON	110	DOMESTIC	2	May-95	30:13:18	-92:07:34	D W
1	Lafayette	-8285Z	ALLEMAN, LISA		FOREST, SHELDON	220	DOMESTIC	2	Jun-95	30:13:40	-92:09:08	D W
1	Lafayette	-8305Z	MCDANIEL, DEBBI		FOREST, SHELDON	135	DOMESTIC	2	Jul-95	30:13:16	-92:07:36	D W
1	Lafayette	-8341Z	CORMIER, RONALD		DELAHOUSSAYE	110	DOMESTIC	2	Sep-95	30:12:54	-92:07:33	D W
1	Lafayette	-8360Z	ANDERSON, HILMA		FOREST, SHELDON	160	DOMESTIC	2	Sep-95	30:12:51	-92:07:46	D W
1	Lafayette	-8364Z	GAUTREAUX, VAN		FOREST, SHELDON	140	DOMESTIC	2	Sep-95	30:13:16	-92:07:41	D W
1	Lafayette	-8398Z	LEBLANC, KERK		MEAUX, CARROLL	190	DOMESTIC	2	Sep-95	30:13:23	-92:08:07	D W
1	Lafayette	-8439Z	GABLE, MATTHEW		MEAUX, CARROLL	200	DOMESTIC	2	Oct-95	30:13:24	-92:08:05	D W
1	Lafayette	-8592Z	WILLIAMS, JAMES		MEAUX, CARROLL	170	DOMESTIC	2	May-96	30:13:25	-92:08:15	D W
1	Lafayette	-8655Z	OLIVIER, LEE		BROUSSARD	196	DOMESTIC	2	May-96	30:13:32	-92:07:41	D W
1	Lafayette	-8771Z	MONTE, GLEN		HUVAL, BRIAN	215	DOMESTIC	2	Jan-97	30:13:38	-92:08:37	D W
1	Lafayette	-8930Z	CLARK, RICKEY		BROUSSARD	175	STOCK	2	Jul-97	30:12:51	-92:09:06	D W
1	Lafayette	-9035Z	ROMERO, SHANNON		MEAUX, CARROLL	120	DOMESTIC	2	Jan-98	30:13:17	-92:07:40	D W
1	Lafayette	-9072Z	LEGER, TOMMY		LOUVIERE	115	DOMESTIC	4	Mar-98	30:12:39	-92:08:18	D W
1	Lafayette	-9077Z	MOBIL OIL	ARCEN 1(1)	MAXIM'S	170	PLUGGED	4	Apr-98	30:13:21	-92:09:23	D W
1	Lafayette	-9078Z	MOBIL OIL	ARCEN 1(2)	MAXIM'S	170	PLUGGED	4	Apr-98	30:13:21	-92:09:23	D W
1	Lafayette	-9080Z	SONNIER, JOE		HUVAL, BRIAN	195	DOMESTIC	2	May-98	30:13:31	-92:07:45	D W
1	Lafayette	-9255Z	GOTREAUX, BRIAN		MEAUX, CARROLL	100	DOMESTIC	3	Jan-99	30:12:59	-92:07:58	D W
1	Lafayette	-9266Z	HEBERT, DUDLEY		MEAUX, CARROLL	130	DOMESTIC	2	Feb-99	30:13:01	-92:07:50	D W
1	Lafayette	-9268Z	GUILBEAUX, V		BILLEAUD, JAMES	180	PLUGGED	2	1969	30:13:28	-92:08:47	

28-06

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
1	Lafayette	-9269Z	GUILBEAU, V		MEAUX, CARROLL	185	DOMESTIC	2	Feb-99	30:13:28	-92:08:47	D W
1	Lafayette	-9342Z	BAILEY, EVA	1	BROUSSARD	174	DOMESTIC	2	Apr-98	30:13:51	-92:08:43	D W
1	Lafayette	-9363Z	CLIFFWOOD PROD	BACQUE 1	GUICHARD	200	PLUGGED	4	Jun-99	30:13:06	-92:08:52	D W
1	Lafayette	-9400Z	CORUTHERS, F		LOUVIERE	175	DOMESTIC	2	Jun-95	30:13:15	-92:08:29	D W
1	Lafayette	-9401Z	CORUTHERS, F		UNKNOWN	210	PLUGGED	2	.	30:13:15	-92:08:29	
1	Lafayette	-9414Z	NGUYEN, CHAU V		MEAUX, CARROLL	145	DOMESTIC	2	Jul-99	30:12:49	-92:07:36	D W
1	Lafayette	-9462Z	QUEST EXPLOR	R TRAHAN 1	RIG WATER	180	PLUGGED	4	Sep-99	30:13:15	-92:09:03	D W

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There are 267 wells within a 2 mile radius of (lat/long) 30:13:07, -92:08:28

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-122	TRAHAN, RAYMOND		PORTIER	.	DOMESTIC	4X2	1941	30:13:56	-92:07:42	
2	Lafayette	-123	TRAHAN, DELLY		BOUDREAUX	219	DOMESTIC	4X2	.	30:13:39	-92:07:58	
2	Lafayette	-124	SIADAUS, GASTAN		GUIDRY	200	ABANDONED	4X2	.	30:13:57	-92:08:18	
2	Lafayette	-126	CREDEUR, ED		PORTIER	170	DOMESTIC	3X2	.	30:13:23	-92:07:52	
2	Lafayette	-127	BROUSSARD, E		BROUDREAUX	126	DOMESTIC	4X2	1940	30:12:53	-92:08:09	
2	Lafayette	-128	RICHARD, C H		MOUTON R	90	DOMESTIC	4X1.25	.	30:12:35	-92:07:48	
2	Lafayette	-129	RICHARD, CLAUDI	OLD	STAMM-SCHEELE	300	IRRIGATION	10	1914	30:12:30	-92:07:48	Q W
2	Lafayette	-130	ARCENEAUX, E		PORTIER	172	DOMESTIC	3X2	1941	30:12:36	-92:09:09	
2	Lafayette	-131	DUGAS, CYRUS		PORTIER	150	DOMESTIC	4X2	1941	30:12:37	-92:09:24	
2	Lafayette	-138	ARCENEAUX, DAVE		PORTIER	157	DOMESTIC	4X2	1938	30:14:18	-92:08:20	
2	Lafayette	-219	DOMINQUE, U		MOUTON S	138	DOMESTIC	4X2	1939	30:11:40	-92:09:30	
2	Lafayette	-221	TIMMONS, JOHN		UNKNOWN	23	DOMESTIC		1938	30:11:25	-92:08:24	
2	Lafayette	-222	STUTES, ALBERT		PORTIER	125	DOMESTIC	4X2	1940	30:11:38	-92:08:10	Q
2	Lafayette	-434	BRENTWOOD TRAIL		BROUSSARD	198	PUBLIC SUPPLY	2	Dec-92	30:13:44	-92:07:48	D W
2	Lafayette	-481	RITCHEY, DAN A	TEST	LAYNE (LA)	305	INACTIVE	16X10	Feb-52	30:14:31	-92:07:30	D W
2	Lafayette	-482	RITCHEY, DAN A		LAYNE (LA)	308	INACTIVE	16X10	Sep-52	30:14:31	-92:07:25	D W
2	Lafayette	-483	RITCHEY, DAN A	OBSERV	COASTAL WTR	240	PLUGGED	4	Feb-52	30:14:31	-92:07:20	D
2	Lafayette	-484	CONTINENTAL OIL		STAMM-SCHEELE	257	DESTROYED		Feb-38	30:12:56	-92:06:49	
2	Lafayette	-504	RITCHEY, DAN A	TEST	LAYNE (LA)	100	DESTROYED	7	May-51	30:14:31	-92:07:20	E
2	Lafayette	-505	RITCHEY, DAN A		COASTAL WTR	812	INACTIVE	12X8	Jan-52	30:14:31	-92:07:20	W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-506	RITCHEY, DAN A		COASTAL WTR	937	INACTIVE	10X8X6	Jul-52	30:14:31	-92:07:20	Q W
2	Lafayette	-616	HANKS, NELSON P		STAMM-SCHEELE	305	IRRIGATION	16X10X8	Mar-66	30:12:02	-92:07:36	D W
2	Lafayette	-647	RICHARD, CLAUDI	JUDICE FM	STAMM-SCHEELE	301	IRRIGATION	16X12X10	Nov-78	30:12:35	-92:07:44	D W
2	Lafayette	-679	RICHARD, W & N		STAMM-SCHEELE	299	IRRIGATION	16X10X8	Feb-79	30:13:35	-92:09:46	D W
2	Lafayette	-695	LF WTR DIST	1	STAMM-SCHEELE	360	PUBLIC SUPPLY	10X6	Feb-84	30:11:35	-92:08:24	D W
2	Lafayette	-699	GUILBEAUX, BEN	1	CORMIER'S	190	PUBLIC SUPPLY	4	May-83	30:13:41	-92:07:28	D
2	Lafayette	-729	RICHARD, WILLIE	2	STAMM-SCHEELE	274	IRRIGATION	16X10X8	Nov-79	30:13:35	-92:09:46	D
2	Lafayette	-774	WRIGHT, STEVE		BROUSSARD	186	PUBLIC SUPPLY	2	Jan-86	30:13:33	-92:08:55	D W
2	Lafayette	-779	LANDRY, ERIC		BILLEAUD, JAMES	200	IRRIGATION	2	Jun-88	30:14:08	-92:09:05	D W
2	Lafayette	-787	COOK, LEE		JOBE	163	PUBLIC SUPPLY	2	Jun-86	30:11:43	-92:08:01	D
2	Lafayette	-791	GARDNER, L J DR		B & B	110	AQUACULTURE	2	Nov-86	30:13:13	-92:06:37	D W
2	Lafayette	-792	VINCENT, LESTER		CORMIER'S	170	PUBLIC SUPPLY	2	Apr-87	30:11:38	-92:08:50	D W
2	Lafayette	-822	LF WTR DIST		UNKNOWN	.	PUBLIC SUPPLY	10	.	30:11:27	-92:08:22	
2	Lafayette	-823	LF WTR DIST	2	AMY, M. E.	363	PUBLIC SUPPLY	10X6	Sep-87	30:11:27	-92:08:22	DM W
2	Lafayette	-845	RUTHERFORD, BOB		PELLERIN'S	165	PUBLIC SUPPLY	2	Nov-89	30:14:04	-92:08:06	D W
2	Lafayette	-847	GUIDRY, HARRY		PELLERIN'S	230	IRRIGATION	4	Dec-89	30:12:43	-92:08:36	D W
2	Lafayette	-856	SEAUX, ALVIN		BILLEAUD, JAMES	140	PUBLIC SUPPLY	2	Aug-89	30:14:03	-92:07:23	D W
2	Lafayette	-859	BLANCHARD, JOHN		PELLERIN'S	125	AQUACULTURE	4	Apr-89	30:12:57	-92:06:29	D W
2	Lafayette	-863	JUDICE, CLYDE	1	CAMPIONE	200	IRRIGATION	6	May-89	30:11:31	-92:09:03	D W
2	Lafayette	-916	AC WTR & SEWER		HUVAL, BRIAN	160	PUBLIC SUPPLY	4	Oct-91	30:13:42	-92:08:28	D W

BQ-88-04

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-919	RICHARD, WILLIE	1	STAMM-SCHEELE	300	IRRIGATION	16X12	Dec-92	30:11:56	-92:09:32	D W
2	Lafayette	-920	GUIDRY CONST	1	BILLEAUD'S (A)	210	PUBLIC SUPPLY	4	Sep-91	30:14:26	-92:08:27	D W
2	Lafayette	-938	LABBE, CLYDE		FOREST, SHELDON	320	IRRIGATION	10X8	Dec-95	30:13:26	-92:10:03	D W
2	Lafayette	-5019Z	LA LAND & EXPLO	DOUCET 1	WESTRO	200	PLUGGED	4	Nov-81	30:12:47	-92:07:10	D W
2	Lafayette	-5037Z	EXCHANGE O & G	SONNIER 1	BROWN, H.	185	PLUGGED	4	Apr-83	30:12:47	-92:09:41	D W
2	Lafayette	-5044Z	SOUTHPORT EXPLO	GUIDRY 1	RIG WATER	170	PLUGGED	4	Nov-83	30:13:10	-92:06:30	D
2	Lafayette	-5059Z	MAY PETRO	HUTCHINS 1	GUICHARD	180	PLUGGED	4	Mar-84	30:12:51	-92:07:45	D
2	Lafayette	-5078Z	DAVIS OIL	RICHARD 1	WESTRO	200	PLUGGED	4	Jun-84	30:13:09	-92:09:24	D W
2	Lafayette	-5100Z	MAY PETRO	HUTCHINS 2	RIG WATER	170	PLUGGED	4	Sep-84	30:12:58	-92:08:12	D
2	Lafayette	-5270Z	BENOIT, JANE		BILLEAUD, JAMES	200	DOMESTIC	2	Mar-84	30:12:52	-92:08:32	D W
2	Lafayette	-5281Z	LYONS, CHRIS		HARGRAVE	175	DOMESTIC	2	Nov-91	30:13:32	-92:09:33	D W
2	Lafayette	-5341Z	SONNIER, F		CORMIER'S	230	DOMESTIC	2	Jun-84	30:13:14	-92:07:53	D W
2	Lafayette	-5345Z	COTHE, RUFUS JR		CORMIER'S	180	DOMESTIC	2	May-84	30:14:36	-92:08:42	D W
2	Lafayette	-5388Z	HAUSER, KARL		CORMIER'S	90	DOMESTIC	2	Jan-85	30:12:44	-92:06:32	D W
2	Lafayette	-5394Z	GOETZMAN, LEROY		CORMIER'S	150	DOMESTIC	2	Jan-85	30:14:16	-92:07:52	D W
2	Lafayette	-5443Z	DUHON, TURNEY		CORMIER'S	186	DOMESTIC	2	Apr-85	30:12:43	-92:09:20	D W
2	Lafayette	-5460Z	PREJEAN, LEO P		CORMIER'S	185	DOMESTIC	2	Apr-85	30:13:35	-92:07:51	D W
2	Lafayette	-5505Z	BACQUE, DENNIS		CORMIER'S	190	IRRIGATION	2	Jun-85	30:13:09	-92:08:36	D W
2	Lafayette	-5515Z	CREDEUR, OPHIE		BROUSSARD	165	DOMESTIC	2	Jul-85	30:14:11	-92:07:57	D W
2	Lafayette	-5545Z	ALLEMON, JEROME		MEAUX, CARROLL	170	DOMESTIC	2	Mar-92	30:14:17	-92:09:09	D W
2	Lafayette	-5563Z	PRATHER, RONALD		CORMIER'S	170	DOMESTIC	2	Sep-85	30:13:30	-92:09:32	D W
2	Lafayette	-5598Z	CONNIES BEAUTY		BROUSSARD	220	DOMESTIC	2	Nov-85	30:11:43	-92:08:47	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-5643Z	WALTERS, BILL		CORMIER'S	170	DOMESTIC	2	Dec-85	30:13:46	-92:07:23	D W
2	Lafayette	-5648Z	BOUDREAUX, CLAY		CORMIER'S	170	DOMESTIC	2	Dec-85	30:13:44	-92:07:27	D W
2	Lafayette	-5744Z	COMMERCE BANK		CORMIER'S	100	DOMESTIC	2	Mar-86	30:12:33	-92:06:36	D W
2	Lafayette	-5796Z	TALBOT, MIKE		CORMIER'S	210	DOMESTIC	2	Apr-86	30:12:50	-92:07:30	D W
2	Lafayette	-5871Z	ALLEMAN, ROY		BILLEAUD, JAMES	200	DOMESTIC	2	May-86	30:13:27	-92:08:33	D W
2	Lafayette	-5873Z	ANDERSON, CLAUD		BILLEAUD, JAMES	200	DOMESTIC	2	Jun-86	30:14:18	-92:08:29	D W
2	Lafayette	-5887Z	BLANCHARD, VIOL		CORMIER'S	110	DOMESTIC	2	Jun-86	30:12:54	-92:06:30	D W
2	Lafayette	-5924Z	SONNIER, STANLY		UNKNOWN	160	PLUGGED		1966	30:14:16	-92:07:54	
2	Lafayette	-5925Z	SONNIER, STANLY		B & B	160	DOMESTIC	2	Jul-86	30:14:16	-92:07:54	D W
2	Lafayette	-5931Z	LEBLANC, HAYWOO		MEAUX, CARROLL	185	DOMESTIC	2	May-94	30:14:10	-92:09:04	D W
2	Lafayette	-6090Z	SPIKES, CRAIG		BILLEAUD, JAMES	80	DOMESTIC	2	Jul-86	30:12:35	-92:06:34	D W
2	Lafayette	-6091Z	HOLLIER, DAVID		BILLEAUD, JAMES	210	DOMESTIC	2	Feb-87	30:11:58	-92:08:42	D W
2	Lafayette	-6100Z	GUIDRY, ANDREW		BILLEAUD, JAMES	100	DOMESTIC	2	Dec-86	30:13:14	-92:06:54	D W
2	Lafayette	-6148Z	STANLEY, CLINT		BILLEAUD'S (A)	120	DOMESTIC	2	May-87	30:13:21	-92:08:00	D W
2	Lafayette	-6152Z	STANLEY, CLINT		UNKNOWN	120	PLUGGED			30:13:21	-92:08:00	
2	Lafayette	-6159Z	ALLEMAN, RONNIE		PELLERIN'S	145	DOMESTIC	2	Aug-87	30:13:33	-92:06:56	D W
2	Lafayette	-6173Z	DAVIS PETROLEUM	HUTCHINS 1	GUICHARD	181	PLUGGED	4	Sep-87	30:13:08	-92:10:03	D
2	Lafayette	-6270Z	POOLE, PAUL		MEAUX, CARROLL	170	DOMESTIC	2	Jun-92	30:13:49	-92:08:15	D W
2	Lafayette	-6280Z	HEBERT, JOHN		MEAUX, CARROLL	140	DOMESTIC	2	May-92	30:12:45	-92:07:43	D W
2	Lafayette	-6331Z	TABB, WILBERT		BROUSSARD	214	DOMESTIC	2	Jun-92	30:13:20	-92:08:06	D W
2	Lafayette	-6360Z	LINDER OIL	ARCENEAUX1	RIG WATER	170	PLUGGED	4	Sep-88	30:13:13	-92:09:12	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-6473Z	BLANCHARD, VIOL		UNKNOWN	.	PLUGGED		.	30:12:54	-92:06:30	
2	Lafayette	-6491Z	BERNARD, KERRY		BILLEAUD, JAMES	180	DOMESTIC	2	Apr-89	30:14:36	-92:08:36	D W
2	Lafayette	-6493Z	SMITH, KEVIN		BILLEAUD, JAMES	210	DOMESTIC	2	Apr-89	30:12:43	-92:09:55	D W
2	Lafayette	-6508Z	COOK, LEE		UNKNOWN	.	DOMESTIC		.	30:11:43	-92:08:01	
2	Lafayette	-6509Z	SPIKES, CRAIG		UNKNOWN	80	PLUGGED		.	30:12:35	-92:06:34	
2	Lafayette	-6580Z	HANKS, ANTHONY		BILLEAUD, JAMES	180	DOMESTIC	2	Aug-89	30:13:33	-92:10:24	D W
2	Lafayette	-6602Z	SEAUX, ALVIN		UNKNOWN	140	PLUGGED		.	30:14:03	-92:07:29	
2	Lafayette	-6627Z	LANDRY, BOB		BILLEAUD, JAMES	220	DOMESTIC	2	Sep-88	30:13:44	-92:07:52	D W
2	Lafayette	-6669Z	PACIFIC ENTERPR	GUIDRY 1	RIG WATER	170	PLUGGED	4	Dec-89	30:14:44	-92:08:40	D W
2	Lafayette	-6681Z	COASTAL OIL-GAS	RICHARD 1	RIG WATER	150	PLUGGED	4	Feb-90	30:12:34	-92:08:55	D W
2	Lafayette	-6723Z	NORRIS, CHARLES		PELLERIN'S	200	DOMESTIC	2	Mar-90	30:13:44	-92:07:23	D W
2	Lafayette	-6740Z	BORISON, DAVID		BILLEAUD, JAMES	180	DOMESTIC	2	Apr-90	30:13:31	-92:10:24	D W
2	Lafayette	-6759Z	TRIUNION DEVEL	CREDEUR 1	RIG WATER	190	RIG SUPPLY	4	Jul-92	30:12:58	-92:09:27	D W
2	Lafayette	-6779Z	TALBOT, MIKE		BILLEAUD, JAMES	90	DOMESTIC	2	Jun-90	30:12:49	-92:06:33	D W
2	Lafayette	-6833Z	RICHARD, JESSIE		BILLEAUD, JAMES	210	DOMESTIC	2	Mar-87	30:13:33	-92:10:22	D W
2	Lafayette	-6834Z	HEBERT, JOHN		PELLERIN'S	170	DOMESTIC	2	Jun-87	30:12:40	-92:08:31	D W
2	Lafayette	-6835Z	RHYMES, INEZ		PELLERIN'S	160	DOMESTIC	2	May-88	30:13:31	-92:09:43	D W
2	Lafayette	-6836Z	TRAHAN, WILSON		PELLERIN'S	200	DOMESTIC	2	Jun-88	30:13:00	-92:08:39	D W
2	Lafayette	-6837Z	DOMINGUE, HARRY		PELLERIN'S	110	DOMESTIC	2	Sep-88	30:12:44	-92:08:27	D W
2	Lafayette	-6840Z	CORMIER, DAVID		PELLERIN'S	145	DOMESTIC	2	May-89	30:13:41	-92:06:42	D W
2	Lafayette	-6846Z	GUIDRY, HARRY		UNKNOWN	.	DOMESTIC	2	1978	30:12:49	-92:08:32	
2	Lafayette	-6847Z	RHYMES, INEZ		UNKNOWN	.	DOMESTIC	2	.	30:13:31	-92:09:43	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-6886Z	RUTHERFORD, BOB		UNKNOWN	.	INACTIVE	2	.	30:14:04	-92:08:06	
2	Lafayette	-6924Z	PACIFIC ENTERPR	RICHARD 2	RIG WATER	170	PLUGGED	4	Oct-90	30:12:26	-92:07:34	D W
2	Lafayette	-6971Z	LEBLANC, LEO		PELLERIN'S	120	DOMESTIC	2	Nov-90	30:13:40	-92:06:48	D W
2	Lafayette	-6974Z	PERKINS, LARRY		PELLERIN'S	140	DOMESTIC	2	Oct-90	30:14:14	-92:08:26	D W
2	Lafayette	-7021Z	BROUSSARD, LEO		UNKNOWN	.	PLUGGED	2	.	30:13:28	-92:07:20	
2	Lafayette	-7025Z	BROUSSARD, LEOD		PELLERIN'S	100	DOMESTIC	2	May-90	30:13:28	-92:07:20	D W
2	Lafayette	-7032Z	GAUTHIER, ROGER		PELLERIN'S	120	DOMESTIC	2	Apr-91	30:13:23	-92:07:35	D W
2	Lafayette	-7038Z	LEGER, JAMES SR		BILLEAUD, JAMES	80	DOMESTIC	2	Jun-90	30:14:33	-92:08:20	D W
2	Lafayette	-7062Z	MAHER, THOMAS		BILLEAUD, JAMES	100	DOMESTIC	2	Aug-91	30:12:12	-92:08:45	D W
2	Lafayette	-7070Z	LEGER, FOREST		PELLERIN'S	130	DOMESTIC	2	May-91	30:12:46	-92:07:39	D W
2	Lafayette	-7078Z	ROY, DONALD		PELLERIN'S	170	DOMESTIC	2	Sep-90	30:14:11	-92:09:06	D W
2	Lafayette	-7137Z	COGANS, JEFF		PELLERIN'S	160	DOMESTIC	2	Jul-91	30:13:33	-92:09:35	D W
2	Lafayette	-7155Z	DANTEX OIL-GAS	SPELL 1	RIG WATER	210	PLUGGED	4	Jul-91	30:13:57	-92:07:23	D W
2	Lafayette	-7165Z	CAMPBELL, KARLD		UNKNOWN	60	PLUGGED	6	.	30:13:19	-92:08:35	
2	Lafayette	-7167Z	DUHON, LINDA		MEAUX, CARROLL	170	DOMESTIC	2	Jul-91	30:13:13	-92:08:22	D W
2	Lafayette	-7168Z	CAMPBELL, KARLA		BILLEAUD, JAMES	200	DOMESTIC	2	Aug-91	30:13:19	-92:08:35	D W
2	Lafayette	-7231Z	LEGER, HANSON		PELLERIN'S	140	DOMESTIC	2	Jun-92	30:12:45	-92:07:40	D W
2	Lafayette	-7236Z	LEGER, JAMES SR		BILLEAUD, JAMES	.	DOMESTIC	2	1970	30:14:31	-92:08:18	
2	Lafayette	-7272Z	LEGER, RANDALL		MEAUX, CARROLL	180	DOMESTIC	4	Jul-92	30:13:49	-92:08:58	D W
2	Lafayette	-7288Z	BAUDIN, LENNIS		PELLERIN'S	190	DOMESTIC	2	Aug-92	30:14:19	-92:09:05	D W
2	Lafayette	-7315Z	ROBERTS, KEVIN		BILLEAUD, JAMES	170	DOMESTIC	2	Sep-92	30:13:20	-92:08:06	W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-7319Z	ROY, TERRY R		MEAUX, CARROLL	180	DOMESTIC	2	Sep-92	30:14:02	-92:08:42	D W
2	Lafayette	-7331Z	JUDICE, CLYDE		UNKNOWN	.	DOMESTIC	2	.	30:11:31	-92:09:03	
2	Lafayette	-7336Z	TRIUNION DEVEL	FALCON 1	RIG WATER	170	RIG SUPPLY	4	Nov-92	30:12:06	-92:07:44	D W
2	Lafayette	-7371Z	BACON, LEE		LOUVIERE	165	DOMESTIC	2	Nov-92	30:13:33	-92:08:29	D W
2	Lafayette	-7372Z	DUPANTIS, RONNI		CAMPIONE	210	DOMESTIC	2	Dec-92	30:13:21	-92:08:28	D W
2	Lafayette	-7487Z	MENARD, GERALD		CAMPIONE	105	DOMESTIC	2	Apr-93	30:13:09	-92:07:10	D W
2	Lafayette	-7497Z	YAMMARINO, GUY		UNKNOWN	120	PLUGGED	2	.	30:13:42	-92:06:52	
2	Lafayette	-7498Z	YAMMARINO, GUY		MEAUX, CARROLL	130	DOMESTIC	2	Apr-93	30:13:42	-92:06:52	D W
2	Lafayette	-7516Z	GUIDRY, ANDREW		CAMPIONE	140	DOMESTIC	2	May-93	30:13:27	-92:07:24	D W
2	Lafayette	-7517Z	THIBODEAUX, HIL		CAMPIONE	130	DOMESTIC	2	May-93	30:13:44	-92:06:49	D W
2	Lafayette	-7518Z	ANDERSON, MARIE		UNKNOWN	130	PLUGGED	2	1963	30:12:48	-92:07:43	
2	Lafayette	-7519Z	ANDERSON, MARIE		HUVAL, BRIAN	140	DOMESTIC	2	May-93	30:12:48	-92:07:43	D W
2	Lafayette	-7605Z	OTOOLE, WILLIAM		HUVAL, BRIAN	170	DOMESTIC	2	Aug-93	30:13:49	-92:08:59	D W
2	Lafayette	-7641Z	MOUTON, DONALD		CAMPIONE	210	DOMESTIC	2	Sep-93	30:14:15	-92:09:01	D W
2	Lafayette	-7664Z	ANDERSON, IRVIN		CAMPIONE	210	DOMESTIC	2	Sep-93	30:13:36	-92:09:07	D W
2	Lafayette	-7671Z	VENABLE, FERALL		CAMPIONE	100	DOMESTIC	2	Oct-93	30:13:17	-92:07:00	D W
2	Lafayette	-7672Z	ANDERSON, RAY		HUVAL, BRIAN	150	DOMESTIC	2	Sep-93	30:12:46	-92:07:44	D W
2	Lafayette	-7704Z	MOUTON, DONALD		UNKNOWN	.	DOMESTIC	2	.	30:14:16	-92:08:58	
2	Lafayette	-7713Z	ROBIN, JIM		BROUSSARD	200	DOMESTIC	2	Nov-93	30:11:52	-92:08:29	D W
2	Lafayette	-7731Z	CAMPELL, DIRK		DELAHOUSSAYE	160	PLUGGED		Dec-93	30:13:18	-92:08:33	
2	Lafayette	-7732Z	CAMPELL, DIRK		DELAHOUSSAYE	199	DOMESTIC	2	Dec-93	30:13:18	-92:08:33	D W
2	Lafayette	-7735Z	BROWN, DON		BROUSSARD	215	DOMESTIC	2	Dec-93	30:14:02	-92:09:05	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-7737Z	LAFAYETTE WELL		FOREST, SHELDON	120	PUBLIC SUPPLY	2	Nov-93	30:14:22	-92:07:46	D W
2	Lafayette	-7769Z	CAMPELL, DIRK		UNKNOWN	.	PLUGGED	2	.	30:13:20	-92:08:36	
2	Lafayette	-7775Z	GUILLORY, BRENT		HUVAL, BRIAN	180	DOMESTIC	2	Feb-94	30:13:24	-92:08:05	D W
2	Lafayette	-7814Z	WARE, MALLORY		MEAUX, CARROLL	210	DOMESTIC	2	Feb-94	30:13:44	-92:07:26	D W
2	Lafayette	-7834Z	GUIDRY, CARL		HUVAL, BRIAN	215	DOMESTIC	2	Mar-94	30:14:00	-92:09:05	D W
2	Lafayette	-7837Z	BROUSSARD, GLEN		LOUVIERE	130	DOMESTIC	2	Jan-94	30:12:41	-92:07:56	D W
2	Lafayette	-7838Z	ALLEMAN, KEN		MEAUX, CARROLL	170	PLUGGED	2	.	30:14:10	-92:08:14	D
2	Lafayette	-7839Z	ALLEMAN, KEN		MEAUX, CARROLL	170	DOMESTIC	2	Mar-94	30:14:10	-92:08:14	D W
2	Lafayette	-7866Z	MENARD, DAMON		MEAUX, CARROLL	95	DOMESTIC	2	Apr-94	30:13:12	-92:07:13	D W
2	Lafayette	-7867Z	THOMAS, GABRIEL		MEAUX, CARROLL	95	DOMESTIC	2	Apr-94	30:13:06	-92:07:06	D W
2	Lafayette	-7899Z	DANTEX OIL-GAS	RICHARD 1	RIG WATER	170	RIG SUPPLY	4	Jun-94	30:12:15	-92:07:48	D W
2	Lafayette	-7935Z	GUILBEAU, GREG		MEAUX, CARROLL	220	DOMESTIC	2	Jun-94	30:13:49	-92:09:02	D W
2	Lafayette	-7974Z	SOONER RESOURCE	MARTIN 1	RIG WATER	180	RIG SUPPLY	4	Aug-94	30:14:13	-92:09:14	D W
2	Lafayette	-7984Z	BOWERS, ROY		CAMPIONE	120	DOMESTIC	2	Sep-94	30:13:31	-92:07:20	D W
2	Lafayette	-7989Z	MOUTON, TONY		CAMPIONE	170	DOMESTIC	2	Sep-94	30:14:21	-92:09:00	D W
2	Lafayette	-8000Z	RICHARD, THOMAS		UNKNOWN	95	PLUGGED	3	.	30:13:08	-92:07:09	
2	Lafayette	-8001Z	RICHARD, THOMAS		MEAUX, CARROLL	95	DOMESTIC	2	Sep-94	30:13:08	-92:07:09	D W
2	Lafayette	-8002Z	SWEET, PHILANDE		MEAUX, CARROLL	170	DOMESTIC	2	Sep-94	30:14:20	-92:08:55	D W
2	Lafayette	-8008Z	GUIDRY, ALLEN K		HUVAL, BRIAN	160	DOMESTIC	2	Apr-95	30:14:08	-92:07:58	D W
2	Lafayette	-8021Z	KRITI EXPLOR	BOUDREAUX1	RIG WATER	170	PLUGGED	4	Oct-94	30:13:12	-92:10:08	D W
2	Lafayette	-8038Z	THIGPEN, RONNIE		CAMPIONE	180	DOMESTIC	2	Sep-94	30:13:51	-92:08:58	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-8039Z	ANZALONE, LOUIS		HUVAL, BRIAN	200	DOMESTIC	2	Sep-94	30:13:24	-92:08:11	D W
2	Lafayette	-8059Z	MACHIN & ASSOC	BOUDREAUX1	RIG WATER	180	PLUGGED	4	Nov-94	30:13:12	-92:10:08	D W
2	Lafayette	-8074Z	BIHM, SHEILA		CAMPIONE	120	DOMESTIC	2	Nov-94	30:13:18	-92:07:38	D W
2	Lafayette	-8164Z	EDDIE, WILLIE		CAMPIONE	180	DOMESTIC	2	Feb-95	30:13:53	-92:09:00	D W
2	Lafayette	-8168Z	COLLINS, MIKE		MEAUX, CARROLL	130	DOMESTIC	2	Feb-95	30:12:48	-92:07:36	D W
2	Lafayette	-8198Z	TRIUNION DEVEL	FALCON SWD	GUICHARD	180	RIG SUPPLY	4	Apr-95	30:12:04	-92:07:37	D W
2	Lafayette	-8206Z	FOREMAN, JOEY		FOREST, SHELDON	110	DOMESTIC	2	May-95	30:13:20	-92:07:36	D W
2	Lafayette	-8207Z	MCQUIRE, MIKE		FOREST, SHELDON	200	DOMESTIC	2	May-95	30:13:17	-92:07:34	D W
2	Lafayette	-8211Z	POSRIER, MARTIN		HUVAL, BRIAN	105	DOMESTIC	2	May-95	30:13:15	-92:06:28	D W
2	Lafayette	-8213Z	NAVARRE, DEBRA		MEAUX, CARROLL	100	DOMESTIC	2	Apr-95	30:12:49	-92:06:31	D W
2	Lafayette	-8215Z	TRAHAN, SHARON		MEAUX, CARROLL	90	DOMESTIC	2	May-95	30:12:48	-92:06:31	D W
2	Lafayette	-8216Z	CARRIER, SHERI		FOREST, SHELDON	110	DOMESTIC	2	May-95	30:13:18	-92:07:34	D W
2	Lafayette	-8231Z	CHAUTIN, MERLIN		FOREST, SHELDON	235	DOMESTIC	2	Jun-95	30:14:08	-92:08:03	D W
2	Lafayette	-8285Z	ALLEMAN, LISA		FOREST, SHELDON	220	DOMESTIC	2	Jun-95	30:13:40	-92:09:08	D W
2	Lafayette	-8286Z	PREJEAN, KERMIT		FOREST, SHELDON	100	DOMESTIC	2	Jun-95	30:13:18	-92:07:02	D W
2	Lafayette	-8287Z	ROGER, ALLEN		FOREST, SHELDON	230	DOMESTIC	2	Jun-95	30:14:03	-92:09:11	D W
2	Lafayette	-8305Z	MCDANIEL, DEBBI		FOREST, SHELDON	135	DOMESTIC	2	Jul-95	30:13:16	-92:07:36	D W
2	Lafayette	-8309Z	GUIDRY, PATRICA		MEAUX, CARROLL	140	DOMESTIC	2	Jun-95	30:13:49	-92:06:58	D W
2	Lafayette	-8339Z	SANDOZ, SIMMONS		MEAUX, CARROLL	170	DOMESTIC	2	Aug-95	30:13:58	-92:09:07	D W
2	Lafayette	-8341Z	CORMIER, RONALD		DELAHOUSSAYE	110	DOMESTIC	2	Sep-95	30:12:54	-92:07:33	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-8360Z	ANDERSON, HILMA		FOREST, SHELDON	160	DOMESTIC	2	Sep-95	30:12:51	-92:07:46	D W
2	Lafayette	-8364Z	GAUTREAUX, VAN		FOREST, SHELDON	140	DOMESTIC	2	Sep-95	30:13:16	-92:07:41	D W
2	Lafayette	-8365Z	MOORE, CHARLES		FOREST, SHELDON	210	DOMESTIC	2	Sep-95	30:14:03	-92:09:08	D W
2	Lafayette	-8398Z	LEBLANC, KERK		MEAUX, CARROLL	190	DOMESTIC	2	Sep-95	30:13:23	-92:08:07	D W
2	Lafayette	-8422Z	LAUGHLIN, DON		MEAUX, CARROLL	180	DOMESTIC	2	Oct-95	30:14:04	-92:08:08	D W
2	Lafayette	-8439Z	GABLE, MATTHEW		MEAUX, CARROLL	200	DOMESTIC	2	Oct-95	30:13:24	-92:08:05	D W
2	Lafayette	-8488Z	ROMERO, RUTH		ALLEMAN'S	80	DOMESTIC	2	Feb-96	30:14:22	-92:09:30	D W
2	Lafayette	-8503Z	ROMERO, RUTH		ALLEMAN'S	180	DOMESTIC	2	Feb-96	30:14:22	-92:09:30	D W
2	Lafayette	-8557Z	PETERSEN, DENN		MEAUX, CARROLL	100	DOMESTIC	2	Mar-97	30:12:05	-92:08:03	D W
2	Lafayette	-8570Z	ALLEMAN, CARSON		MEAUX, CARROLL	180	DOMESTIC	2	May-96	30:14:37	-92:08:38	D W
2	Lafayette	-8572Z	VENABLE, STEPH		UNKNOWN	130	PLUGGED	2	.	30:13:45	-92:06:45	
2	Lafayette	-8573Z	VENABLE, STEPH		MEAUX, CARROLL	130	DOMESTIC	2	May-96	30:13:45	-92:06:45	D W
2	Lafayette	-8575Z	TOUCHET, LENNIS		MEAUX, CARROLL	120	DOMESTIC	2	May-96	30:12:49	-92:07:29	D W
2	Lafayette	-8592Z	WILLIAMS, JAMES		MEAUX, CARROLL	170	DOMESTIC	2	May-96	30:13:25	-92:08:15	D W
2	Lafayette	-8655Z	OLIVIER, LEE		BROUSSARD	196	DOMESTIC	2	May-96	30:13:32	-92:07:41	D W
2	Lafayette	-8683Z	MARTIN, TERRY		HUVAL, BRIAN	110	DOMESTIC	2	Jul-96	30:13:38	-92:06:48	D W
2	Lafayette	-8740Z	TRAHAN, MILTON		UNKNOWN	120	PLUGGED	2	.	30:14:00	-92:07:36	
2	Lafayette	-8741Z	TRAHAN, MILTON		MEAUX, CARROLL	130	DOMESTIC	2	Oct-96	30:14:00	-92:07:36	D W
2	Lafayette	-8759Z	GUILLORY, TERRY		HUVAL, BRIAN	130	DOMESTIC	2	Dec-96	30:13:18	-92:06:35	D W
2	Lafayette	-8762Z	HAYNES, CINDY		MEAUX, CARROLL	160	DOMESTIC	2	Nov-96	30:11:28	-92:07:53	D W
2	Lafayette	-8771Z	MONTE, GLEN		HUVAL, BRIAN	215	DOMESTIC	2	Jan-97	30:13:38	-92:08:37	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-8852Z	MONTGOMERY, JOE		MEAUX, CARROLL	110	DOMESTIC	2	May-97	30:13:24	-92:06:51	D W
2	Lafayette	-8869Z	CURLEY, J		MEAUX, CARROLL	140	DOMESTIC	2	May-97	30:12:43	-92:07:31	D W
2	Lafayette	-8874Z	BAUDOIN, SHERI		BROUSSARD	132	DOMESTIC	2	Feb-97	30:13:19	-92:06:49	D W
2	Lafayette	-8889Z	PHILLIPS, CRAIG		HUVAL, BRIAN	110	DOMESTIC	2	Jun-97	30:13:23	-92:07:06	D W
2	Lafayette	-8925Z	FLOWERS, PAUL		MEAUX, CARROLL	110	DOMESTIC	2	Jul-97	30:13:22	-92:07:03	D W
2	Lafayette	-8926Z	PREJEAN, CARL		MEAUX, CARROLL	140	DOMESTIC	4	Jul-97	30:14:33	-92:07:41	D W
2	Lafayette	-8930Z	CLARK, RICKEY		BROUSSARD	175	STOCK	2	Jul-97	30:12:51	-92:09:06	D W
2	Lafayette	-8934Z	DOMINGUE, STEPH		MEAUX, CARROLL	120	DOMESTIC	2	Jun-97	30:13:24	-92:06:44	D W
2	Lafayette	-8944Z	HERNANDEZ, ROY		UNKNOWN	180	PLUGGED	2		30:14:21	-92:08:17	
2	Lafayette	-8945Z	HERNANDEZ, ROY		MEAUX, CARROLL	190	DOMESTIC	2	Aug-97	30:14:21	-92:08:17	D W
2	Lafayette	-8950Z	PROVOST, MIKE		PELLERIN'S	210	DOMESTIC	2	Jun-97	30:12:08	-92:08:16	D W
2	Lafayette	-8972Z	JACOBS, BRENT		HUVAL, BRIAN	100	DOMESTIC	2	Sep-97	30:13:22	-92:06:59	D W
2	Lafayette	-9003Z	POMIER, TERRY		MEAUX, CARROLL	160	DOMESTIC	2	Oct-97	30:14:04	-92:09:14	D W
2	Lafayette	-9034Z	BOURGUE, DOUG		ALLEMAN'S	125	DOMESTIC	2	Jan-98	30:13:20	-92:07:01	D W
2	Lafayette	-9035Z	ROMERO, SHANNON		MEAUX, CARROLL	120	DOMESTIC	2	Jan-98	30:13:17	-92:07:40	D W
2	Lafayette	-9072Z	LEGER, TOMMY		LOUVIERE	115	DOMESTIC	4	Mar-98	30:12:39	-92:08:18	D W
2	Lafayette	-9074Z	FOSTER, FELISHA	APT #363	HUVAL, BRIAN	100	DOMESTIC	2	Apr-98	30:13:21	-92:07:06	D W
2	Lafayette	-9077Z	MOBIL OIL	ARCEN 1(1)	MAXIM'S	170	PLUGGED	4	Apr-98	30:13:21	-92:09:23	D W
2	Lafayette	-9078Z	MOBIL OIL	ARCEN 1(2)	MAXIM'S	170	PLUGGED	4	Apr-98	30:13:21	-92:09:23	D W
2	Lafayette	-9080Z	SONNIER, JOE		HUVAL, BRIAN	195	DOMESTIC	2	May-98	30:13:31	-92:07:45	D W
2	Lafayette	-9082Z	MECHE, RICKIE		MEAUX, CARROLL	105	DOMESTIC	2	Apr-98	30:13:24	-92:07:12	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-9096Z	BREWER, NORM		ALLEMAN'S	145	DOMESTIC	2	May-98	30:13:20	-92:06:58	D W
2	Lafayette	-9120Z	OWERS, EDGAR		MEAUX, CARROLL	185	DOMESTIC	2	Jun-98	30:14:03	-92:09:19	D W
2	Lafayette	-9137Z	THIBODEAUX, D		ALLEMAN'S	170	DOMESTIC	2	Jun-98	30:14:03	-92:09:23	D W
2	Lafayette	-9138Z	BAUDOIN, MARY		MEAUX, CARROLL	190	DOMESTIC	2	Jun-98	30:14:05	-92:09:30	D W
2	Lafayette	-9162Z	BOURQUE, ANDRUS	3	DELAHOUSSAYE	180	IRRIGATION	4	Jul-98	30:13:19	-92:09:32	D W
2	Lafayette	-9173Z	TURNER, ALLEN		FOREST, SHELDON	205	DOMESTIC	2	Sep-98	30:13:05	-92:10:13	D W
2	Lafayette	-9186Z	LEONARD, GEORGE		MEAUX, CARROLL	180	DOMESTIC	2	Sep-98	30:14:22	-92:09:29	D W
2	Lafayette	-9222Z	TRAHAN, MARK		MEAUX, CARROLL	110	DOMESTIC	2	Oct-98	30:14:13	-92:07:22	D W
2	Lafayette	-9230Z	LABBE, CLAUDE		UNKNOWN	180	PLUGGED	2		30:13:26	-92:10:11	
2	Lafayette	-9231Z	LABBE, CLAUDE		MEAUX, CARROLL	180	DOMESTIC	2	Nov-98	30:13:26	-92:10:11	D W
2	Lafayette	-9245Z	NERO, LARRY		MEAUX, CARROLL	170	DOMESTIC	4	Dec-98	30:12:43	-92:09:51	D W
2	Lafayette	-9255Z	GOTREAUX, BRIAN		MEAUX, CARROLL	100	DOMESTIC	3	Jan-99	30:12:59	-92:07:58	D W
2	Lafayette	-9260Z	DUHON, RITA		ALLEMAN'S	145	DOMESTIC	2	Feb-99	30:13:22	-92:06:46	D W
2	Lafayette	-9266Z	HEBERT, DUDLEY		MEAUX, CARROLL	130	DOMESTIC	2	Feb-99	30:13:01	-92:07:50	D W
2	Lafayette	-9268Z	GUILBEAUX, V		BILLEAUD, JAMES	180	PLUGGED	2	1969	30:13:28	-92:08:47	
2	Lafayette	-9269Z	GUILBEAU, V		MEAUX, CARROLL	185	DOMESTIC	2	Feb-99	30:13:28	-92:08:47	D W
2	Lafayette	-9291Z	VINCENT, NICHOL		HUVAL, BRIAN	150	DOMESTIC	2	Apr-99	30:14:03	-92:09:29	D W
2	Lafayette	-9332Z	EMPERLEY, STAN		UNKNOWN	180	PLUGGED	0.5	1972	30:14:38	-92:08:35	
2	Lafayette	-9342Z	BAILEY, EVA	1	BROUSSARD	174	DOMESTIC	2	Apr-98	30:13:51	-92:08:43	D W
2	Lafayette	-9359Z	COTTON, L E		ALLEMAN'S	165	DOMESTIC	2	Jun-99	30:14:01	-92:09:25	D W
2	Lafayette	-9363Z	CLIFFWOOD PROD	BACQUE 1	GUICHARD	200	PLUGGED	4	Jun-99	30:13:06	-92:08:52	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
2	Lafayette	-9376Z	LANIER, TERRY		UNKNOWN	105	PLUGGED	2	.	30:12:38	-92:06:34	
2	Lafayette	-9377Z	LANIER, TERRY		MEAUX, CARROLL	110	DOMESTIC	2	May-99	30:12:38	-92:06:34	D W
2	Lafayette	-9389Z	HEBERT, DANNY		MEAUX, CARROLL	120	DOMESTIC	2	Jun-99	30:12:45	-92:07:32	D W
2	Lafayette	-9390Z	BENOIT, PAM		MEAUX, CARROLL	120	DOMESTIC	2	Jun-99	30:12:45	-92:07:32	D W
2	Lafayette	-9400Z	CORUTHERS, F		LOUVIERE	175	DOMESTIC	2	Jun-95	30:13:15	-92:08:29	D W
2	Lafayette	-9401Z	CORUTHERS, F		UNKNOWN	210	PLUGGED	2	.	30:13:15	-92:08:29	
2	Lafayette	-9402Z	LANTIER, FERREL		BILLEAUD, JAMES	170	DOMESTIC	2	Oct-91	30:13:07	-92:10:11	D W
2	Lafayette	-9403Z	HUTCHINSON, E		BILLEAUD, JAMES	200	DOMESTIC	2	Oct-91	30:13:08	-92:09:58	D W
2	Lafayette	-9404Z	LANTIER, FERREL		UNKNOWN	60	PLUGGED		.	30:13:07	-92:10:11	
2	Lafayette	-9414Z	NGUYEN, CHAU V		MEAUX, CARROLL	145	DOMESTIC	2	Jul-99	30:12:49	-92:07:36	D W
2	Lafayette	-9452Z	WHITE, ALISON		BROUSSARD	195	DOMESTIC	2	Sep-99	30:14:02	-92:09:26	D W
2	Lafayette	-9462Z	QUEST EXPLOR	R TRAHAN 1	RIG WATER	180	PLUGGED	4	Sep-99	30:13:15	-92:09:03	D W
2	Lafayette	-9469Z	MOORE, CHARLES		HUVAL, BRIAN	210	IRRIGATION	4	Sep-99	30:14:01	-92:09:17	D W
2	Lafayette	-9528Z	TRAHAN, WAYNE		PELLERIN'S	200	DOMESTIC	2	May-91	30:12:45	-92:09:30	D W
2	Lafayette	-9554Z	TRAHAN, CHARLES		HUVAL, BRIAN	165	DOMESTIC	4	Dec-99	30:11:42	-92:07:56	D W

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There are 504 wells within a 3 mile radius of (lat/long) 30:13:07, -92:08:28

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-13	BOP CONTROL		UNKNOWN	.	OTHER	2	.	30:10:46	-92:07:16	
3	Lafayette	-39	MCBRIDE, CHAS		PORTIER	85	DOMESTIC	3X1.50	1938	30:14:32	-92:06:01	
3	Lafayette	-41	ALLEMEN, A		MOUTON S	120	DOMESTIC	4X1.50	Nov-38	30:14:43	-92:06:36	W
3	Lafayette	-42	BEAUGNAUX, B		BROUDREAUX	160	DOMESTIC	4X1.50	24-Nov	30:14:35	-92:06:17	
3	Lafayette	-43	BOUDREAUX, SID		PORTIER	100	DOMESTIC	3X2	1940	30:14:46	-92:06:26	W
3	Lafayette	-44	BOUDREAUX, SID		UNKNOWN	105	ABANDONED	4X2	.	30:14:48	-92:06:17	W
3	Lafayette	-80	STUTES, ANDREW		MOUTON S	210	DOMESTIC	4X2	1928	30:10:55	-92:06:59	
3	Lafayette	-81	JUDICE, E		PORTIER	110	DOMESTIC	4X2	1940	30:10:55	-92:07:21	
3	Lafayette	-121	BROUSSARD, DEWY		PORTIER	105	DOMESTIC	4X2	1939	30:14:06	-92:06:16	
3	Lafayette	-122	TRAHAN, RAYMOND		PORTIER	.	DOMESTIC	4X2	1941	30:13:56	-92:07:42	
3	Lafayette	-123	TRAHAN, DELLY		BOUDREAUX	219	DOMESTIC	4X2	.	30:13:39	-92:07:58	
3	Lafayette	-124	SIADAUS, GASTAN		GUIDRY	200	ABANDONED	4X2	.	30:13:57	-92:08:18	
3	Lafayette	-126	CREDEUR, ED		PORTIER	170	DOMESTIC	3X2	.	30:13:23	-92:07:52	
3	Lafayette	-127	BROUSSARD, E		BROUDREAUX	126	DOMESTIC	4X2	1940	30:12:53	-92:08:09	
3	Lafayette	-128	RICHARD, C H		MOUTON R	90	DOMESTIC	4X1.25	.	30:12:35	-92:07:48	
3	Lafayette	-129	RICHARD, CLAUDI	OLD	STAMM-SCHEELE	300	IRRIGATION	10	1914	30:12:30	-92:07:48	Q W
3	Lafayette	-130	ARCENEAUX, E		PORTIER	172	DOMESTIC	3X2	1941	30:12:36	-92:09:09	
3	Lafayette	-131	DUGAS, CYRUS		PORTIER	150	DOMESTIC	4X2	1941	30:12:37	-92:09:24	
3	Lafayette	-132	LAGNEAUX, C		MOUTON	138	DOMESTIC	4X1.50	1937	30:12:13	-92:10:39	W
3	Lafayette	-136	ARCENEAUX, CHAS		UNKNOWN	36	DOMESTIC		Nov-43	30:13:35	-92:11:23	
3	Lafayette	-137	ANDERSON, LOUIS		MOUTON	184	DOMESTIC	4X2	1933	30:14:40	-92:09:26	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-138	ARCENEAUX, DAVE		PORTIER	157	DOMESTIC	4X2	1938	30:14:18	-92:08:20	
3	Lafayette	-139	PEOPLES GIN CO		UNKNOWN	200	FIRE PROT.	6	.	30:14:06	-92:10:56	
3	Lafayette	-140	DUSON GRADE SCH		MOUTON R	220	PUBLIC SUPPLY	6	1932	30:14:16	-92:11:00	
3	Lafayette	-141	LAGNEAUX LUMB		MANIGAN	185	FIRE PROT.	4X2	1925	30:14:07	-92:10:34	Q W
3	Lafayette	-142	HERNANDEZ, R S		UNKNOWN	170	DOMESTIC		1931	30:14:18	-92:11:07	
3	Lafayette	-143	COTTON OIL CO		UNKNOWN	350	ABANDONED		.	30:14:06	-92:11:10	W
3	Lafayette	-216	HOLLIER, SIDNEY		MOUTON R	150	DOMESTIC	4X2	1939	30:11:39	-92:10:29	
3	Lafayette	-217	LAPEROUSE, A		MOUTON R	150	DOMESTIC	4X2	.	30:11:46	-92:10:42	Q
3	Lafayette	-218	LABEY, P		MOUTON S	125	DOMESTIC	4X2	1939	30:11:39	-92:09:47	
3	Lafayette	-219	DOMINQUE, U		MOUTON S	138	DOMESTIC	4X2	1939	30:11:40	-92:09:30	
3	Lafayette	-220	SIMON, ED		MOUTON S	130	DOMESTIC	4X2	1939	30:11:38	-92:09:55	
3	Lafayette	-221	TIMMONS, JOHN		UNKNOWN	23	DOMESTIC		1938	30:11:25	-92:08:24	
3	Lafayette	-222	STUTES, ALBERT		PORTIER	125	DOMESTIC	4X2	1940	30:11:38	-92:08:10	Q
3	Lafayette	-230	GUILBEAU		MOUTON R	140	DOMESTIC	4	Jan-40	30:10:55	-92:09:56	
3	Lafayette	-231	BENOTT		PORTIER	175	DOMESTIC	4	Jan-38	30:11:31	-92:10:14	
3	Lafayette	-233	DOMINQUE, CURLY		MOUTON R	140	DOMESTIC	2	1940	30:10:54	-92:09:33	
3	Lafayette	-317	NERO, CLEM		MOUTON S	145	DOMESTIC		1940	30:15:05	-92:07:36	
3	Lafayette	-318	SONNIER, FRED		PORTIER	135	DOMESTIC	3X2	1943	30:15:36	-92:08:00	
3	Lafayette	-319	BIGNEAUX, U		SAVOY	135	DOMESTIC	4X2	1941	30:15:10	-92:07:27	
3	Lafayette	-322	MARTIN, DUPREY		UNKNOWN	160	DOMESTIC	3X2	1943	30:15:33	-92:09:00	
3	Lafayette	-434	BRENTWOOD TRAIL		BROUSSARD	198	PUBLIC SUPPLY	2	Dec-92	30:13:44	-92:07:48	D W
3	Lafayette	-481	RITCHEY, DAN A	TEST	LAYNE (LA)	305	INACTIVE	16X10	Feb-52	30:14:31	-92:07:30	D W
3	Lafayette	-482	RITCHEY, DAN A		LAYNE (LA)	308	INACTIVE	16X10	Sep-52	30:14:31	-92:07:25	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-483	RITCHEY, DAN A	OBSERV	COASTAL WTR	240	PLUGGED	4	Feb-52	30:14:31	-92:07:20	D
3	Lafayette	-484	CONTINENTAL OIL		STAMM-SCHEELE	257	DESTROYED		Feb-38	30:12:56	-92:06:49	
3	Lafayette	-504	RITCHEY, DAN A	TEST	LAYNE (LA)	100	DESTROYED	7	May-51	30:14:31	-92:07:20	E
3	Lafayette	-505	RITCHEY, DAN A		COASTAL WTR	812	INACTIVE	12X8	Jan-52	30:14:31	-92:07:20	W
3	Lafayette	-506	RITCHEY, DAN A		COASTAL WTR	937	INACTIVE	10X8X6	Jul-52	30:14:31	-92:07:20	Q W
3	Lafayette	-555	SCOTT, LA	3	STAMM-SCHEELE	105	PUBLIC SUPPLY	8	Sep-61	30:14:01	-92:05:52	Q W
3	Lafayette	-557	DUSON, LA	1	STAMM-SCHEELE	244	PUBLIC SUPPLY	6X4X4	May-65	30:14:07	-92:10:44	W
3	Lafayette	-558	DUSON, LA	2	STAMM-SCHEELE	247	PUBLIC SUPPLY	6X4X4	May-65	30:14:07	-92:10:35	D Q W
3	Lafayette	-610	DUHON, ALDON		STAMM-SCHEELE	.	IRRIGATION	8	Nov-64	30:10:49	-92:07:14	
3	Lafayette	-612	DENAIS, ALVIN		LAYNE (LA)	293	IRRIGATION	18X10X10	.	30:10:50	-92:07:53	
3	Lafayette	-616	HANKS, NELSON P		STAMM-SCHEELE	305	IRRIGATION	16X10X8	Mar-66	30:12:02	-92:07:36	D W
3	Lafayette	-620	BOLLICH, ALBERT		UNKNOWN	.	IRRIGATION		.	30:13:22	-92:06:00	
3	Lafayette	-643	JACKSON SQUARE	1	STAMM-SCHEELE	563	PUBLIC SUPPLY	12X6X6	Jan-80	30:11:32	-92:06:36	EDM W
3	Lafayette	-646	TANNER, AGNES R	2	STAMM-SCHEELE	305	IRRIGATION	10	Jan-45	30:11:44	-92:10:32	
3	Lafayette	-647	RICHARD, CLAUDI	JUDICE FM	STAMM-SCHEELE	301	IRRIGATION	16X12X10	Nov-78	30:12:35	-92:07:44	D W
3	Lafayette	-651	STUTES, MAYO		STAMM-SCHEELE	258	IRRIGATION	16X10X8	Jan-67	30:13:01	-92:10:45	D W
3	Lafayette	-660	WEST WINDS SUB	1	STAMM-SCHEELE	463	PUBLIC SUPPLY	6	Nov-80	30:12:17	-92:06:14	D W
3	Lafayette	-676	CON ENGINEERING	1	STAMM-SCHEELE	216	PUBLIC SUPPLY	4	Jun-82	30:11:55	-92:10:35	DM W
3	Lafayette	-679	RICHARD, W & N		STAMM-SCHEELE	299	IRRIGATION	16X10X8	Feb-79	30:13:35	-92:09:46	D W
3	Lafayette	-682	SCOTT, LA	4	STAMM-SCHEELE	118	PLUGGED	10X10	May-70	30:14:12	-92:05:57	D W
3	Lafayette	-694	DUGAS, WILLIE	2	STAMM-SCHEELE	178	IRRIGATION	4	Jan-84	30:12:04	-92:10:56	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-695	LF WTR DIST	1	STAMM-SCHEELE	360	PUBLIC SUPPLY	10X6	Feb-84	30:11:35	-92:08:24	D W
3	Lafayette	-699	GUILBEAUX, BEN	1	CORMIER'S	190	PUBLIC SUPPLY	4	May-83	30:13:41	-92:07:28	D
3	Lafayette	-706	COUNTRY AIRE	WEST	BILLEAUD, JAMES	170	PUBLIC SUPPLY		Apr-83	30:11:33	-92:07:17	W
3	Lafayette	-707	COUNTRY AIRE	2	BILLEAUD, JAMES	170	PUBLIC SUPPLY		Apr-83	30:11:33	-92:07:17	W
3	Lafayette	-729	RICHARD, WILLIE	2	STAMM-SCHEELE	274	IRRIGATION	16X10X8	Nov-79	30:13:35	-92:09:46	D
3	Lafayette	-732	WIMBLEDON APTS		B & B	125	PLUGGED	4	Dec-85	30:11:45	-92:06:07	DM
3	Lafayette	-735	WIMBLEDON APTS	3	BILLEAUD, JAMES	130	PUBLIC SUPPLY	4	Mar-86	30:11:45	-92:06:07	D W
3	Lafayette	-751	LAFLEUR, J M		CORMIER'S	145	IRRIGATION	2	May-85	30:11:48	-92:06:49	D W
3	Lafayette	-754	CHILDRENS SCH		B & B	110	PUBLIC SUPPLY	2	Oct-84	30:12:52	-92:05:59	
3	Lafayette	-774	WRIGHT, STEVE		BROUSSARD	186	PUBLIC SUPPLY	2	Jan-86	30:13:33	-92:08:55	D W
3	Lafayette	-779	LANDRY, ERIC		BILLEAUD, JAMES	200	IRRIGATION	2	Jun-88	30:14:08	-92:09:05	D W
3	Lafayette	-787	COOK, LEE		JOBE	163	PUBLIC SUPPLY	2	Jun-86	30:11:43	-92:08:01	D
3	Lafayette	-791	GARDNER, L J DR		B & B	110	AQUACULTURE	2	Nov-86	30:13:13	-92:06:37	D W
3	Lafayette	-792	VINCENT, LESTER		CORMIER'S	170	PUBLIC SUPPLY	2	Apr-87	30:11:38	-92:08:50	D W
3	Lafayette	-793	TOUCHET, JAMES		GUICHARD	228	IRRIGATION	8	May-87	30:10:48	-92:08:17	D W
3	Lafayette	-794	ARCENEAUX, WILL		UNKNOWN	.	IRRIGATION	10	.	30:12:21	-92:10:35	
3	Lafayette	-795	ARCENEAUX, WILL		AMY, M. E.	204	IRRIGATION	4	Sep-87	30:12:20	-92:10:34	D W
3	Lafayette	-822	LF WTR DIST		UNKNOWN	.	PUBLIC SUPPLY	10	.	30:11:27	-92:08:22	
3	Lafayette	-823	LF WTR DIST	2	AMY, M. E.	363	PUBLIC SUPPLY	10X6	Sep-87	30:11:27	-92:08:22	DM W
3	Lafayette	-845	RUTHERFORD, BOB		PELLERIN'S	165	PUBLIC SUPPLY	2	Nov-89	30:14:04	-92:08:06	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-847	GUIDRY, HARRY		PELLERIN'S	230	IRRIGATION	4	Dec-89	30:12:43	-92:08:36	D W
3	Lafayette	-856	SEAUX, ALVIN		BILLEAUD, JAMES	140	PUBLIC SUPPLY	2	Aug-89	30:14:03	-92:07:23	D W
3	Lafayette	-859	BLANCHARD, JOHN		PELLERIN'S	125	AQUACULTURE	4	Apr-89	30:12:57	-92:06:29	D W
3	Lafayette	-863	JUDICE, CLYDE	1	CAMPIONE	200	IRRIGATION	6	May-89	30:11:31	-92:09:03	D W
3	Lafayette	-866	STRINGER, CHAS		BILLEAUD, JAMES	80	PUBLIC SUPPLY	2	Jun-89	30:12:13	-92:05:57	D W
3	Lafayette	-874	TRIPLE A REAL		BILLEAUD, JAMES	80	PUBLIC SUPPLY		Sep-89	30:12:12	-92:05:58	D W
3	Lafayette	-888	BOP CONTROL	2	GUICHARD	170	PUBLIC SUPPLY	4	May-90	30:10:46	-92:07:16	D W
3	Lafayette	-905	CLARK, ALCIDE		CAMPIONE	200	IRRIGATION	4	Jun-90	30:10:52	-92:08:32	D W
3	Lafayette	-914	DUSON, LA	3	AMY, M. E.	250	PUBLIC SUPPLY	8X6X6	Aug-91	30:14:07	-92:10:42	D W
3	Lafayette	-916	AC WTR & SEWER		HUVAL, BRIAN	160	PUBLIC SUPPLY	4	Oct-91	30:13:42	-92:08:28	D W
3	Lafayette	-919	RICHARD, WILLIE	1	STAMM-SCHEELE	300	IRRIGATION	16X12	Dec-92	30:11:56	-92:09:32	D W
3	Lafayette	-920	GUIDRY CONST	1	BILLEAUD'S (A)	210	PUBLIC SUPPLY	4	Sep-91	30:14:26	-92:08:27	D W
3	Lafayette	-928	DENAIS, ALVIN		CAMPIONE	240	IRRIGATION	8	Dec-91	30:10:50	-92:09:46	D W
3	Lafayette	-938	LABBE, CLYDE		FOREST, SHELDON	320	IRRIGATION	10X8	Dec-95	30:13:26	-92:10:03	D W
3	Lafayette	-5001Z	STUTES, MAYO		UNKNOWN	.	ABANDONED		.	30:13:02	-92:10:45	
3	Lafayette	-5004Z	ENTEX	BEGNAUD 1	WESTRO	220	PLUGGED		Apr-80	30:15:03	-92:07:25	
3	Lafayette	-5005Z	LANTIER, ABBY J		CORMIER'S	190	DOMESTIC	2	Aug-84	30:15:32	-92:08:52	D W
3	Lafayette	-5015Z	DYNAMIC EXPLOR	LEBLANC 1	WESTRO	200	PLUGGED	4	May-81	30:12:55	-92:06:12	D W
3	Lafayette	-5019Z	LA LAND & EXPLO	DOUCET 1	WESTRO	200	PLUGGED	4	Nov-81	30:12:47	-92:07:10	D W
3	Lafayette	-5037Z	EXCHANGE O & G	SONNIER 1	BROWN, H.	185	PLUGGED	4	Apr-83	30:12:47	-92:09:41	D W
3	Lafayette	-5044Z	SOUTHPORT EXPLO	GUIDRY 1	RIG WATER	170	PLUGGED	4	Nov-83	30:13:10	-92:06:30	D
3	Lafayette	-5048Z	DAVIS OIL	PATIN 1	WESTRO	220	PLUGGED	4	Jan-84	30:11:06	-92:09:59	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-5051Z	MAY PETRO	DUHON 1	GUICHARD	141	PLUGGED	4	Feb-84	30:12:28	-92:05:43	D
3	Lafayette	-5059Z	MAY PETRO	HUTCHINS 1	GUICHARD	180	PLUGGED	4	Mar-84	30:12:51	-92:07:45	D
3	Lafayette	-5060Z	ENTEX	BABINEAUX1	RIG WATER	220	PLUGGED	4	Oct-81	30:15:03	-92:07:42	D
3	Lafayette	-5074Z	ELSBURY, JOE	GUIDRY 1	GUICHARD	201	PLUGGED	4	Jun-84	30:12:33	-92:06:17	D
3	Lafayette	-5078Z	DAVIS OIL	RICHARD 1	WESTRO	200	PLUGGED	4	Jun-84	30:13:09	-92:09:24	D W
3	Lafayette	-5081Z	TOCE OIL	PELLERIN 1	GUICHARD	181	RIG SUPPLY	4	Dec-83	30:14:49	-92:09:52	D
3	Lafayette	-5100Z	MAY PETRO	HUTCHINS 2	RIG WATER	170	PLUGGED	4	Sep-84	30:12:58	-92:08:12	D
3	Lafayette_	-5106Z	MAY PETRO	BOUDREAUX2	RIG WATER	150	PLUGGED	4	Feb-85	30:12:54	-92:05:38	D
3	Lafayette	-5119Z	PIONEER PROD	HEBERT 1	BROWN, H.	185	PLUGGED	4	Aug-85	30:14:52	-92:06:39	D W
3	Lafayette	-5137Z	PROVOST, S	SLP1	GUICHARD	141	INACTIVE	4	Dec-85	30:13:23	-92:05:43	D W
3	Lafayette	-5205Z	MANUEL MOVEABLE		CORMIER'S	190	DOMESTIC	2	May-84	30:11:13	-92:10:09	D W
3	Lafayette	-5251Z	SONNIER, CHRIS		B & B	176	DOMESTIC	2	Oct-84	30:12:08	-92:11:08	D
3	Lafayette	-5256Z	BROUSSARD, H		B & B	96	DOMESTIC	2	Nov-84	30:12:27	-92:06:34	
3	Lafayette	-5270Z	BENOIT, JANE		BILLEAUD, JAMES	200	DOMESTIC	2	Mar-84	30:12:52	-92:08:32	D W
3	Lafayette	-5281Z	LYONS, CHRIS		HARGRAVE	175	DOMESTIC	2	Nov-91	30:13:32	-92:09:33	D W
3	Lafayette	-5331Z	BERNARD, JULES		CORMIER'S	190	DOMESTIC	2	Aug-84	30:15:03	-92:09:10	D W
3	Lafayette	-5335Z	AIRHART, HAROLD		CORMIER'S	100	DOMESTIC	2	Aug-84	30:12:46	-92:06:00	D W
3	Lafayette	-5341Z	SONNIER, F		CORMIER'S	230	DOMESTIC	2	Jun-84	30:13:14	-92:07:53	D W
3	Lafayette	-5345Z	COTHE, RUFUS JR		CORMIER'S	180	DOMESTIC	2	May-84	30:14:36	-92:08:42	D W
3	Lafayette	-5346Z	MANUEL MOVEABLE		CORMIER'S	190	DOMESTIC	2	May-84	30:11:12	-92:10:07	D W
3	Lafayette	-5347Z	LEBLANC, DAVID		CORMIER'S	190	DOMESTIC	2	May-84	30:11:00	-92:10:07	D W
3	Lafayette	-5358Z	GUILBEAU, SAM		CORMIER'S	100	DOMESTIC	2	Apr-87	30:11:08	-92:06:49	D W
3	Lafayette	-5383Z	BLANCHARD, JOHN		CORMIER'S	190	DOMESTIC	2	Dec-84	30:14:57	-92:09:55	D W
3	Lafayette	-5388Z	HAUSER, KARL		CORMIER'S	90	DOMESTIC	2	Jan-85	30:12:44	-92:06:32	D W
3	Lafayette	-5394Z	GOETZMAN, LEROY		CORMIER'S	150	DOMESTIC	2	Jan-85	30:14:16	-92:07:52	D W
3	Lafayette	-5413Z	KEY, KENITH		B & B	160	DOMESTIC	2	Feb-85	30:15:13	-92:09:12	

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-5443Z	DUHON, TURNEY		CORMIER'S	186	DOMESTIC	2	Apr-85	30:12:43	-92:09:20	D W
3	Lafayette	-5460Z	PREJEAN, LEO P		CORMIER'S	185	DOMESTIC	2	Apr-85	30:13:35	-92:07:51	D W
3	Lafayette	-5470Z	LEBLANC, C		B & B	180	DOMESTIC	4	Apr-85	30:10:58	-92:08:19	D
3	Lafayette	-5473Z	HOFFPAIUR, JOHN		UNKNOWN	.	DOMESTIC	2	.	30:10:49	-92:07:08	
3	Lafayette	-5477Z	SELLERS, CHRIS		BROUSSARD	130	DOMESTIC	2	May-85	30:11:11	-92:06:44	D W
3	Lafayette	-5505Z	BACQUE, DENNIS		CORMIER'S	190	IRRIGATION	2	Jun-85	30:13:09	-92:08:36	D W
3	Lafayette	-5515Z	CREDEUR, OPHIE		BROUSSARD	165	DOMESTIC	2	Jul-85	30:14:11	-92:07:57	D W
3	Lafayette	-5545Z	ALLEMON, JEROME		MEAUX, CARROLL	170	DOMESTIC	2	Mar-92	30:14:17	-92:09:09	D W
3	Lafayette	-5563Z	PRATHER, RONALD		CORMIER'S	170	DOMESTIC	2	Sep-85	30:13:30	-92:09:32	D W
3	Lafayette	-5566Z	ANDERSON, TIM		CORMIER'S	170	DOMESTIC	2	Sep-85	30:15:18	-92:08:55	D W
3	Lafayette	-5573Z	MENARD, JOHN D		BROUSSARD	200	DOMESTIC	2	Oct-85	30:15:24	-92:08:49	D W
3	Lafayette	-5598Z	CONNIES BEAUTY		BROUSSARD	220	DOMESTIC	2	Nov-85	30:11:43	-92:08:47	D W
3	Lafayette	-5643Z	WALTERS, BILL		CORMIER'S	170	DOMESTIC	2	Dec-85	30:13:46	-92:07:23	D W
3	Lafayette	-5648Z	BOUDREAUX, CLAY		CORMIER'S	170	DOMESTIC	2	Dec-85	30:13:44	-92:07:27	D W
3	Lafayette	-5672Z	MAY PETRO	CASTILLE 1	RIG WATER	150	RIG SUPPLY	4	Jul-84	30:11:58	-92:05:51	D
3	Lafayette	-5693Z	WINTERSHALL OIL	MAYER 1	GUICHARD	181	RIG SUPPLY	4	Jan-86	30:14:26	-92:06:46	D W
3	Lafayette	-5703Z	WIMBLEDON APTS		UNKNOWN	120	PLUGGED		1980	30:11:45	-92:06:07	
3	Lafayette	-5714Z	VERNONIE, PHIL		BILLEAUD, JAMES	200	DOMESTIC	2	Feb-86	30:15:20	-92:08:39	D W
3	Lafayette	-5744Z	COMMERCE BANK		CORMIER'S	100	DOMESTIC	2	Mar-86	30:12:33	-92:06:36	D W
3	Lafayette	-5751Z	DAIGLE, DAVID		B & B	100	DOMESTIC	2	Mar-86	30:13:20	-92:06:15	D W
3	Lafayette	-5759Z	J S R BUILDERS		BROUSSARD	200	DOMESTIC	2	Apr-86	30:11:10	-92:10:09	D W
3	Lafayette	-5766Z	HUNT OIL	SHANNON 1	GUICHARD	181	PLUGGED	4	Apr-86	30:13:20	-92:10:49	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-5796Z	TALBOT, MIKE		CORMIER'S	210	DOMESTIC	2	Apr-86	30:12:50	-92:07:30	D W
3	Lafayette	-5797Z	DOMINQUE, NARCI		UNKNOWN	170	PLUGGED			30:10:53	-92:09:43	
3	Lafayette	-5801Z	DOMINGUE, NARCI		B & B	170	DOMESTIC	2	Jun-84	30:10:53	-92:09:43	D
3	Lafayette	-5825Z	KENNYS BARBER		BROUSSARD	190	DOMESTIC	2	May-86	30:11:20	-92:10:19	D W
3	Lafayette	-5867Z	HEBERT, JOHN		CORMIER'S	210	DOMESTIC	2	Jun-86	30:11:11	-92:08:38	D W
3	Lafayette	-5871Z	ALLEMAN, ROY		BILLEAUD, JAMES	200	DOMESTIC	2	May-86	30:13:27	-92:08:33	D W
3	Lafayette	-5873Z	ANDERSON, CLAUD		BILLEAUD, JAMES	200	DOMESTIC	2	Jun-86	30:14:18	-92:08:29	D W
3	Lafayette	-5876Z	DOMINGUE, C		BILLEAUD, JAMES	210	DOMESTIC	2	May-86	30:10:53	-92:09:26	D W
3	Lafayette	-5887Z	BLANCHARD, VIOL		CORMIER'S	110	DOMESTIC	2	Jun-86	30:12:54	-92:06:30	D W
3	Lafayette	-5914Z	SONNIER, PIERRE		BROUSSARD	180	DOMESTIC	2	Aug-86	30:15:29	-92:07:55	D W
3	Lafayette	-5924Z	SONNIER, STANLY		UNKNOWN	160	PLUGGED		1966	30:14:16	-92:07:54	
3	Lafayette	-5925Z	SONNIER, STANLY		B & B	160	DOMESTIC	2	Jul-86	30:14:16	-92:07:54	D W
3	Lafayette	-5931Z	LEBLANC, HAYWOO		MEAUX, CARROLL	185	DOMESTIC	2	May-94	30:14:10	-92:09:04	D W
3	Lafayette	-5933Z	FONTENOT, DALAS		BROUSSARD	103	DOMESTIC	2	Aug-86	30:12:28	-92:06:04	D W
3	Lafayette	-5935Z	GAUTHIER & MATH		BROUSSARD	90	DOMESTIC	2	Aug-86	30:12:34	-92:06:33	D W
3	Lafayette	-6025Z	SENIOR DRLG	THIBODEAU1	BROWN, H.	205	PLUGGED	4	Feb-87	30:15:09	-92:10:16	D W
3	Lafayette	-6055Z	ARCO OIL & GAS	FOREMAN 2	RIG WATER	140	PLUGGED	4	Jan-92	30:12:06	-92:06:06	D W
3	Lafayette	-6090Z	SPIKES, CRAIG		BILLEAUD, JAMES	80	DOMESTIC	2	Jul-86	30:12:35	-92:06:34	D W
3	Lafayette	-6091Z	HOLLIER, DAVID		BILLEAUD, JAMES	210	DOMESTIC	2	Feb-87	30:11:58	-92:08:42	D W
3	Lafayette	-6095Z	MARTINEZ, WIL		BROUSSARD	230	DOMESTIC	2	Apr-87	30:11:28	-92:07:38	D W
3	Lafayette	-6100Z	GUIDRY, ANDREW		BILLEAUD, JAMES	100	DOMESTIC	2	Dec-86	30:13:14	-92:06:54	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-6112Z	SIGNORILLI, ARL		BILLEAUD, JAMES	110	DOMESTIC	2	Apr-87	30:11:06	-92:06:48	D W
3	Lafayette	-6120Z	THIBODEAUX, HIL		PELLERIN'S	90	DOMESTIC	2	Jun-87	30:11:59	-92:06:34	D W
3	Lafayette	-6148Z	STANLEY, CLINT		BILLEAUD'S (A)	120	DOMESTIC	2	May-87	30:13:21	-92:08:00	D W
3	Lafayette	-6152Z	STANLEY, CLINT		UNKNOWN	120	PLUGGED		.	30:13:21	-92:08:00	
3	Lafayette	-6154Z	BROOKLYN UNION	BOUDREAUX1	GUICHARD	161	PLUGGED	4	Sep-87	30:13:13	-92:05:32	D W
3	Lafayette	-6159Z	ALLEMAN, RONNIE		PELLERIN'S	145	DOMESTIC	2	Aug-87	30:13:33	-92:06:56	D W
3	Lafayette	-6173Z	DAVIS PETROLEUM	HUTCHINS 1	GUICHARD	181	PLUGGED	4	Sep-87	30:13:08	-92:10:03	D
3	Lafayette	-6238Z	BIENVENUE, M		PELLERIN'S	90	DOMESTIC	2	Jan-88	30:11:47	-92:06:02	D W
3	Lafayette	-6244Z	BROUSSARD, MILT		PELLERIN'S	86	DOMESTIC	2	Feb-88	30:11:37	-92:06:02	D W
3	Lafayette	-6253Z	LANCLOS, MOISE		BROUSSARD	210	DOMESTIC	2	Mar-88	30:15:28	-92:07:50	D W
3	Lafayette	-6270Z	POOLE, PAUL		MEAUX, CARROLL	170	DOMESTIC	2	Jun-92	30:13:49	-92:08:15	D W
3	Lafayette	-6280Z	HEBERT, JOHN		MEAUX, CARROLL	140	DOMESTIC	2	May-92	30:12:45	-92:07:43	D W
3	Lafayette	-6283Z	GORDON, SCOTT		B & B	146	DOMESTIC	2	Apr-88	30:14:48	-92:10:01	D W
3	Lafayette	-6298Z	LEBLANC, RODNEY		BILLEAUD, JAMES	180	DOMESTIC	2	Feb-88	30:13:38	-92:11:12	D W
3	Lafayette	-6299Z	BABINEAUX, JOHN		BILLEAUD, JAMES	160	DOMESTIC	2	Feb-88	30:15:11	-92:07:32	D W
3	Lafayette	-6300Z	DOMINGUE, CINDY		BILLEAUD, JAMES	170	DOMESTIC	2	Feb-88	30:15:10	-92:07:28	D W
3	Lafayette	-6306Z	LAGRANGE, RAY		BILLEAUD, JAMES	190	DOMESTIC	2	May-88	30:13:37	-92:06:04	D W
3	Lafayette	-6331Z	TABB, WILBERT		BROUSSARD	214	DOMESTIC	2	Jun-92	30:13:20	-92:08:06	D W
3	Lafayette	-6335Z	BABINEAUX, JOHN		UNKNOWN	160	PLUGGED	2	.	30:15:11	-92:07:32	
3	Lafayette	-6349Z	KOA CAMPGROUND		UNKNOWN	140	PLUGGED	4	.	30:14:47	-92:06:39	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-6350Z	KOA CAMPGROUND		UNKNOWN	140	PLUGGED	4	.	30:14:47	-92:06:39	
3	Lafayette	-6351Z	KOA CAMPGROUND		UNKNOWN	180	PLUGGED	6	.	30:14:47	-92:06:39	
3	Lafayette	-6352Z	KOA CAMPGROUND		UNKNOWN	180	PLUGGED	6	.	30:14:47	-92:06:39	
3	Lafayette	-6359Z	ELSBURY PROD	LABNEAUX 1	RIG WATER	210	RIG SUPPLY	6	Sep-88	30:10:49	-92:07:10	D W
3	Lafayette	-6360Z	LINDER OIL	ARCENEAUX1	RIG WATER	170	PLUGGED	4	Sep-88	30:13:13	-92:09:12	D W
3	Lafayette	-6380Z	DOMINGUE, KEVIN		BILLEAUD, JAMES	110	DOMESTIC	2	Oct-88	30:12:55	-92:06:17	D W
3	Lafayette	-6400Z	ELSBURY PROD	LAGNEAUX 2	RIG WATER	150	RIG SUPPLY	4	Dec-88	30:10:50	-92:07:08	D W
3	Lafayette	-6403Z	ROBIN, KEVIN		BILLEAUD, JAMES	210	DOMESTIC	2	Nov-88	30:12:54	-92:10:29	D W
3	Lafayette	-6409Z	BERNARD, DAVIS		UNKNOWN	160	PLUGGED		.	30:15:17	-92:09:25	
3	Lafayette	-6410Z	BERNARD, DAVIS		BILLEAUD, JAMES	170	DOMESTIC	2	Nov-88	30:15:17	-92:09:25	D W
3	Lafayette	-6440Z	ELSBURY & ACKER	LANDRY 1	RIG WATER	150	PLUGGED	4	Mar-89	30:11:52	-92:05:55	D W
3	Lafayette	-6441Z	MEAUX, MICHAEL		BILLEAUD, JAMES	180	DOMESTIC	2	Mar-89	30:15:36	-92:08:34	D W
3	Lafayette	-6446Z	DUGAS, MIKE		BILLEAUD, JAMES	190	DOMESTIC	2	Mar-89	30:14:48	-92:10:02	D W
3	Lafayette	-6473Z	BLANCHARD, VIOL		UNKNOWN	.	PLUGGED		.	30:12:54	-92:06:30	
3	Lafayette	-6491Z	BERNARD, KERRY		BILLEAUD, JAMES	180	DOMESTIC	2	Apr-89	30:14:36	-92:08:36	D W
3	Lafayette	-6493Z	SMITH, KEVIN		BILLEAUD, JAMES	210	DOMESTIC	2	Apr-89	30:12:43	-92:09:55	D W
3	Lafayette	-6508Z	COOK, LEE		UNKNOWN	.	DOMESTIC		.	30:11:43	-92:08:01	
3	Lafayette	-6509Z	SPIKES, CRAIG		UNKNOWN	80	PLUGGED		.	30:12:35	-92:06:34	
3	Lafayette	-6513Z	BROUSSARD, MILT		UNKNOWN	.	ABANDONED		.	30:11:37	-92:06:02	
3	Lafayette	-6528Z	STRINGER, CHAS		UNKNOWN	.	PLUGGED		.	30:12:13	-92:05:57	
3	Lafayette	-6541Z	BERNARD, DAVIS		UNKNOWN	.	PLUGGED		.	30:15:16	-92:09:23	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-6578Z	TERRO, ELGIN		BILLEAUD, JAMES	200	DOMESTIC	2	Aug-89	30:14:42	-92:10:05	D W
3	Lafayette	-6580Z	HANKS, ANTHONY		BILLEAUD, JAMES	180	DOMESTIC	2	Aug-89	30:13:33	-92:10:24	D W
3	Lafayette	-6602Z	SEAUX, ALVIN		UNKNOWN	140	PLUGGED		.	30:14:03	-92:07:29	
3	Lafayette	-6603Z	QUINOCO PETRO	BOUDREAUX1	RIG WATER	140	PLUGGED	4	Sep-89	30:12:35	-92:05:44	D W
3	Lafayette	-6604Z	TRIPLE A REAL		UNKNOWN	80	PLUGGED		.	30:12:12	-92:05:58	
3	Lafayette	-6613Z	BABINEAUX, J		UNKNOWN	.	DOMESTIC	2	.	30:15:18	-92:07:32	
3	Lafayette	-6627Z	LANDRY, BOB		BILLEAUD, JAMES	220	DOMESTIC	2	Sep-88	30:13:44	-92:07:52	D W
3	Lafayette	-6648Z	LEQUE, FREDDY		BROUSSARD	218	DOMESTIC	2	Nov-89	30:15:11	-92:08:34	D W
3	Lafayette	-6655Z	HOTARD, STEVE		PELLERIN'S	90	DOMESTIC	2	Oct-89	30:12:11	-92:05:50	D W
3	Lafayette	-6669Z	PACIFIC ENTERPR	GUIDRY 1	RIG WATER	170	PLUGGED	4	Dec-89	30:14:44	-92:08:40	D W
3	Lafayette	-6681Z	COASTAL OIL-GAS	RICHARD 1	RIG WATER	150	PLUGGED	4	Feb-90	30:12:34	-92:08:55	D W
3	Lafayette	-6687Z	GUIDRY, AUBREY		UNKNOWN	.	PLUGGED		.	30:12:07	-92:06:30	
3	Lafayette	-6688Z	GUIDRY, AUBREY		UNKNOWN	.	PLUGGED		.	30:12:07	-92:06:30	
3	Lafayette	-6689Z	GUIDRY, AUBREY		BILLEAUD, JAMES	100	DOMESTIC	2	Feb-90	30:12:07	-92:06:30	D W
3	Lafayette	-6691Z	TRAHAN, DALTON		BILLEAUD, JAMES	190	DOMESTIC	2	Feb-90	30:11:22	-92:08:40	D W
3	Lafayette	-6699Z	CLARK, MURPHY		UNKNOWN	.	PLUGGED		.	30:11:12	-92:08:32	
3	Lafayette	-6700Z	CLARK, MURPHY		BROUSSARD	206	DOMESTIC	2	Mar-90	30:11:12	-92:08:32	D W
3	Lafayette	-6723Z	NORRIS, CHARLES		PELLERIN'S	200	DOMESTIC	2	Mar-90	30:13:44	-92:07:23	D W
3	Lafayette	-6740Z	BORISON, DAVID		BILLEAUD, JAMES	180	DOMESTIC	2	Apr-90	30:13:31	-92:10:24	D W
3	Lafayette	-6744Z	JENKINS, TINA		MEAUX, CARROLL	110	DOMESTIC	2	Jan-93	30:13:32	-92:05:58	D W
3	Lafayette	-6759Z	TRIUNION DEVEL	CREDEUR 1	RIG WATER	190	RIG SUPPLY	4	Jul-92	30:12:58	-92:09:27	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-6769Z	SIMON, KENNETH		BILLEAUD, JAMES	220	DOMESTIC	2	May-90	30:11:57	-92:10:45	D W
3	Lafayette	-6779Z	TALBOT, MIKE		BILLEAUD, JAMES	90	DOMESTIC	2	Jun-90	30:12:49	-92:06:33	D W
3	Lafayette	-6833Z	RICHARD, JESSIE		BILLEAUD, JAMES	210	DOMESTIC	2	Mar-87	30:13:33	-92:10:22	D W
3	Lafayette	-6834Z	HEBERT, JOHN		PELLERIN'S	170	DOMESTIC	2	Jun-87	30:12:40	-92:08:31	D W
3	Lafayette	-6835Z	RHYMES, INEZ		PELLERIN'S	160	DOMESTIC	2	May-88	30:13:31	-92:09:43	D W
3	Lafayette	-6836Z	TRAHAN, WILSON		PELLERIN'S	200	DOMESTIC	2	Jun-88	30:13:00	-92:08:39	D W
3	Lafayette	-6837Z	DOMINGUE, HARRY		PELLERIN'S	110	DOMESTIC	2	Sep-88	30:12:44	-92:08:27	D W
3	Lafayette	-6839Z	ROY, KELLY		PELLERIN'S	190	DOMESTIC	2	Apr-89	30:14:44	-92:10:02	D W
3	Lafayette	-6840Z	CORMIER, DAVID		PELLERIN'S	145	DOMESTIC	2	May-89	30:13:41	-92:06:42	D W
3	Lafayette	-6846Z	GUIDRY, HARRY		UNKNOWN	.	DOMESTIC	2	1978	30:12:49	-92:08:32	
3	Lafayette	-6847Z	RHYMES, INEZ		UNKNOWN	.	DOMESTIC	2	.	30:13:31	-92:09:43	
3	Lafayette	-6886Z	RUTHERFORD, BOB		UNKNOWN	.	INACTIVE	2	.	30:14:04	-92:08:06	
3	Lafayette	-6907Z	GOODRICH - KEYS	LF SCH BD1	RIG WATER	210	PLUGGED	4	Nov-90	30:15:27	-92:09:49	D W
3	Lafayette	-6924Z	PACIFIC ENTERPR	RICHARD 2	RIG WATER	170	PLUGGED	4	Oct-90	30:12:26	-92:07:34	D W
3	Lafayette	-6942Z	RILEY, JESSICA		UNKNOWN	.	DOMESTIC	2	.	30:12:31	-92:06:31	
3	Lafayette	-6971Z	LEBLANC, LEO		PELLERIN'S	120	DOMESTIC	2	Nov-90	30:13:40	-92:06:48	D W
3	Lafayette	-6974Z	PERKINS, LARRY		PELLERIN'S	140	DOMESTIC	2	Oct-90	30:14:14	-92:08:26	D W
3	Lafayette	-7021Z	BROUSSARD, LEO		UNKNOWN	.	PLUGGED	2	.	30:13:28	-92:07:20	
3	Lafayette	-7025Z	BROUSSARD, LEOD		PELLERIN'S	100	DOMESTIC	2	May-90	30:13:28	-92:07:20	D W
3	Lafayette	-7032Z	GAUTHIER, ROGER		PELLERIN'S	120	DOMESTIC	2	Apr-91	30:13:23	-92:07:35	D W
3	Lafayette	-7038Z	LEGER, JAMES SR		BILLEAUD, JAMES	80	DOMESTIC	2	Jun-90	30:14:33	-92:08:20	D W
3	Lafayette	-7062Z	MAHER, THOMAS		BILLEAUD, JAMES	100	DOMESTIC	2	Aug-91	30:12:12	-92:08:45	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-7070Z	LEGER, FOREST		PELLERIN'S	130	DOMESTIC	2	May-91	30:12:46	-92:07:39	D W
3	Lafayette	-7078Z	ROY, DONALD		PELLERIN'S	170	DOMESTIC	2	Sep-90	30:14:11	-92:09:06	D W
3	Lafayette	-7079Z	MELACON, WADE		PELLERIN'S	180	DOMESTIC	2	Nov-90	30:14:55	-92:10:29	D W
3	Lafayette	-7120Z	WELLHEADS		UNKNOWN	80	PLUGGED	2	.	30:14:22	-92:06:27	
3	Lafayette	-7134Z	MORELLO, TONY		BROUSSARD	100	DOMESTIC	2	Jul-91	30:12:44	-92:06:27	D W
3	Lafayette	-7137Z	COGANS, JEFF		PELLERIN'S	160	DOMESTIC	2	Jul-91	30:13:33	-92:09:35	D W
3	Lafayette	-7141Z	ARCO OIL & GAS	FOREMAN 1	RIG WATER	140	PLUGGED	4	Jul-91	30:12:06	-92:06:01	D W
3	Lafayette	-7155Z	DANTEX OIL-GAS	SPELL 1	RIG WATER	210	PLUGGED	4	Jul-91	30:13:57	-92:07:23	D W
3	Lafayette	-7165Z	CAMPBELL, KARLD		UNKNOWN	60	PLUGGED	6	.	30:13:19	-92:08:35	
3	Lafayette	-7167Z	DUHON, LINDA		MEAUX, CARROLL	170	DOMESTIC	2	Jul-91	30:13:13	-92:08:22	D W
3	Lafayette	-7168Z	CAMPBELL, KARLA		BILLEAUD, JAMES	200	DOMESTIC	2	Aug-91	30:13:19	-92:08:35	D W
3	Lafayette	-7174Z	STOURES, CARL		MEAUX, CARROLL	160	DOMESTIC	2	Sep-91	30:15:37	-92:08:35	D W
3	Lafayette	-7175Z	KOCH, JOHN		PELLERIN'S	180	DOMESTIC	2	Jul-92	30:15:18	-92:09:36	D W
3	Lafayette	-7231Z	LEGER, HANSON		PELLERIN'S	140	DOMESTIC	2	Jun-92	30:12:45	-92:07:40	D W
3	Lafayette	-7236Z	LEGER, JAMES SR		BILLEAUD, JAMES	.	DOMESTIC	2	1970	30:14:31	-92:08:18	
3	Lafayette	-7254Z	LEGER, NORRIS		PELLERIN'S	180	DOMESTIC	2	Aug-92	30:15:27	-92:07:16	D W
3	Lafayette	-7260Z	DEMETTE, TONYA		CAMPIONE	205	DOMESTIC	2	Aug-92	30:11:02	-92:07:35	D W
3	Lafayette	-7272Z	LEGER, RANDALL		MEAUX, CARROLL	180	DOMESTIC	4	Jul-92	30:13:49	-92:08:58	D W
3	Lafayette	-7288Z	BAUDIN, LENNIS		PELLERIN'S	190	DOMESTIC	2	Aug-92	30:14:19	-92:09:05	D W
3	Lafayette	-7303Z	CHAPMAN, RAY		BROUSSARD	112	DOMESTIC	2	Aug-92	30:11:50	-92:06:01	D W
3	Lafayette	-7315Z	ROBERTS, KEVIN		BILLEAUD, JAMES	170	DOMESTIC	2	Sep-92	30:13:20	-92:08:06	W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-7317Z	RICHARD, ALICE		UNKNOWN	160	PLUGGED	2	.	30:11:58	-92:10:44	
3	Lafayette	-7318Z	RICHARD, ALICE		MEAUX, CARROLL	200	DOMESTIC	2	Oct-92	30:11:58	-92:10:44	D W
3	Lafayette	-7319Z	ROY, TERRY R		MEAUX, CARROLL	180	DOMESTIC	2	Sep-92	30:14:02	-92:08:42	D W
3	Lafayette	-7326Z	LBM DISTRIBUTOR	MW-4	ACADIAN	20	PLUGGED	4	Oct-92	30:14:03	-92:10:37	D W
3	Lafayette	-7330Z	CLARK, ALCIDE		UNKNOWN	190	PLUGGED	2	.	30:10:51	-92:08:32	
3	Lafayette	-7331Z	JUDICE, CLYDE		UNKNOWN	.	DOMESTIC	2	.	30:11:31	-92:09:03	
3	Lafayette	-7332Z	JUDICE, CLYDE		BILLEAUD WTR	.	DOMESTIC	2	.	30:10:52	-92:07:27	
3	Lafayette	-7335Z	CLARK, ALCIDE		UNKNOWN	.	DOMESTIC	2	.	30:10:51	-92:08:32	
3	Lafayette	-7336Z	TRIUNION DEVEL	FALCON 1	RIG WATER	170	RIG SUPPLY	4	Nov-92	30:12:06	-92:07:44	D W
3	Lafayette	-7364Z	LAVIOHETTE, C		BROUSSARD	175	DOMESTIC	2	Apr-93	30:11:52	-92:06:02	D W
3	Lafayette	-7369Z	HARSON, STEVE		BILLEAUD, JAMES	200	DOMESTIC	2	Nov-92	30:13:06	-92:10:31	D W
3	Lafayette	-7371Z	BACON, LEE		LOUVIERE	165	DOMESTIC	2	Nov-92	30:13:33	-92:08:29	D W
3	Lafayette	-7372Z	DUPANTIS, RONNI		CAMPIONE	210	DOMESTIC	2	Dec-92	30:13:21	-92:08:28	D W
3	Lafayette	-7384Z	ELSBURY PROD	JUDICE 1	UNKNOWN	180	PLUGGED	4	.	30:11:00	-92:07:13	
3	Lafayette	-7386Z	TRAHAN, DALTON		UNKNOWN	90	PLUGGED	2	.	30:11:22	-92:08:40	
3	Lafayette	-7436Z	AMERADA HESS	STUTES 1	GUICHARD	180	PLUGGED	4	Feb-93	30:13:01	-92:11:02	D W
3	Lafayette	-7487Z	MENARD, GERALD		CAMPIONE	105	DOMESTIC	2	Apr-93	30:13:09	-92:07:10	D W
3	Lafayette	-7493Z	LAVALEE, GARY		HUVAL, BRIAN	200	DOMESTIC	2	Apr-93	30:11:48	-92:10:52	D W
3	Lafayette	-7497Z	YAMMARINO, GUY		UNKNOWN	120	PLUGGED	2	.	30:13:42	-92:06:52	
3	Lafayette	-7498Z	YAMMARINO, GUY		MEAUX, CARROLL	130	DOMESTIC	2	Apr-93	30:13:42	-92:06:52	D W
3	Lafayette	-7515Z	BOURQUE, LARFIZ		CAMPIONE	140	DOMESTIC	2	May-93	30:11:41	-92:06:43	D W
3	Lafayette	-7516Z	GUIDRY, ANDREW		CAMPIONE	140	DOMESTIC	2	May-93	30:13:27	-92:07:24	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-7517Z	THIBODEAUX, HIL		CAMPIONE	130	DOMESTIC	2	May-93	30:13:44	-92:06:49	D W
3	Lafayette	-7518Z	ANDERSON, MARIE		UNKNOWN	130	PLUGGED	2	1963	30:12:48	-92:07:43	
3	Lafayette	-7519Z	ANDERSON, MARIE		HUVAL, BRIAN	140	DOMESTIC	2	May-93	30:12:48	-92:07:43	D W
3	Lafayette	-7586Z	HARRINGTON, D		MEAUX, CARROLL	100	DOMESTIC	2	Jun-93	30:12:42	-92:06:26	D W
3	Lafayette	-7601Z	ALBARADO, RON		BILLEAUD, JAMES	.	DOMESTIC		Apr-76	30:14:45	-92:06:29	Q
3	Lafayette	-7605Z	OTOOLE, WILLIAM		HUVAL, BRIAN	170	DOMESTIC	2	Aug-93	30:13:49	-92:08:59	D W
3	Lafayette	-7618Z	SOONER RESOURCE	THIBODEAU1	RIG WATER	190	PLUGGED	4	Aug-93	30:14:04	-92:10:58	D W
3	Lafayette	-7632Z	MELANCON, EDDIE		LOUVIERE	205	DOMESTIC	2	Jul-93	30:14:44	-92:07:37	D W
3	Lafayette	-7633Z	MELANCON, EDDIE		LOUVIERE	195	DOMESTIC	2	Jul-93	30:14:44	-92:07:31	D W
3	Lafayette	-7641Z	MOUTON, DONALD		CAMPIONE	210	DOMESTIC	2	Sep-93	30:14:15	-92:09:01	D W
3	Lafayette	-7644Z	SONNIER, KEN		DELAHOUSSAYE	180	DOMESTIC	2	Oct-93	30:13:32	-92:10:28	D W
3	Lafayette	-7664Z	ANDERSON, IRVIN		CAMPIONE	210	DOMESTIC	2	Sep-93	30:13:36	-92:09:07	D W
3	Lafayette	-7671Z	VENABLE, FERALL		CAMPIONE	100	DOMESTIC	2	Oct-93	30:13:17	-92:07:00	D W
3	Lafayette	-7672Z	ANDERSON, RAY		HUVAL, BRIAN	150	DOMESTIC	2	Sep-93	30:12:46	-92:07:44	D W
3	Lafayette	-7676Z	HALLWOOD PETRO	RICHARD 1	GUICHARD	180	PLUGGED	4	Oct-93	30:12:26	-92:05:48	D W
3	Lafayette	-7677Z	RESOLUTION TRUS	MW-1	GRIFFITH, TOM	25	MONITOR	4	Jun-93	30:13:30	-92:10:45	D W
3	Lafayette	-7678Z	RESOLUTION TRUS	MW-2	GRIFFITH, TOM	25	MONITOR	4	Jun-93	30:13:30	-92:10:45	D W
3	Lafayette	-7679Z	RESOLUTION TRUS	MW-3	GRIFFITH, TOM	25	MONITOR	4	Jun-93	30:13:30	-92:10:45	D W
3	Lafayette	-7704Z	MOUTON, DONALD		UNKNOWN	.	DOMESTIC	2	.	30:14:16	-92:08:58	
3	Lafayette	-7713Z	ROBIN, JIM		BROUSSARD	200	DOMESTIC	2	Nov-93	30:11:52	-92:08:29	D W
3	Lafayette	-7731Z	CAMPELL, DIRK		DELAHOUSSAYE	160	PLUGGED		Dec-93	30:13:18	-92:08:33	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-7732Z	CAMPELL, DIRK		DELAHOUSSAYE	199	DOMESTIC	2	Dec-93	30:13:18	-92:08:33	D W
3	Lafayette	-7735Z	BROWN, DON		BROUSSARD	215	DOMESTIC	2	Dec-93	30:14:02	-92:09:05	D W
3	Lafayette	-7737Z	LAFAYETTE WELL		FOREST, SHELDON	120	PUBLIC SUPPLY	2	Nov-93	30:14:22	-92:07:46	D W
3	Lafayette	-7769Z	CAMPELL, DIRK		UNKNOWN	.	PLUGGED	2	.	30:13:20	-92:08:36	
3	Lafayette	-7775Z	GUILLORY, BRENT		HUVAL, BRIAN	180	DOMESTIC	2	Feb-94	30:13:24	-92:08:05	D W
3	Lafayette	-7814Z	WARE, MALLORY		MEAUX, CARROLL	210	DOMESTIC	2	Feb-94	30:13:44	-92:07:26	D W
3	Lafayette	-7833Z	DOUCET, WAYNE		HUVAL, BRIAN	190	DOMESTIC	2	Apr-94	30:15:29	-92:08:46	D W
3	Lafayette	-7834Z	GUIDRY, CARL		HUVAL, BRIAN	215	DOMESTIC	2	Mar-94	30:14:00	-92:09:05	D W
3	Lafayette	-7836Z	BENOIT, CHARLES		CAMPIONE	100	DOMESTIC	2	Mar-94	30:11:49	-92:06:01	D W
3	Lafayette	-7837Z	BROUSSARD, GLEN		LOUVIERE	130	DOMESTIC	2	Jan-94	30:12:41	-92:07:56	D W
3	Lafayette	-7838Z	ALLEMAN, KEN		MEAUX, CARROLL	170	PLUGGED	2	.	30:14:10	-92:08:14	D
3	Lafayette	-7839Z	ALLEMAN, KEN		MEAUX, CARROLL	170	DOMESTIC	2	Mar-94	30:14:10	-92:08:14	D W
3	Lafayette	-7866Z	MENARD, DAMON		MEAUX, CARROLL	95	DOMESTIC	2	Apr-94	30:13:12	-92:07:13	D W
3	Lafayette	-7867Z	THOMAS, GABRIEL		MEAUX, CARROLL	95	DOMESTIC	2	Apr-94	30:13:06	-92:07:06	D W
3	Lafayette	-7899Z	DANTEX OIL-GAS	RICHARD 1	RIG WATER	170	RIG SUPPLY	4	Jun-94	30:12:15	-92:07:48	D W
3	Lafayette	-7935Z	GUILBEAU, GREG		MEAUX, CARROLL	220	DOMESTIC	2	Jun-94	30:13:49	-92:09:02	D W
3	Lafayette	-7947Z	HOFFPAIUR, JOHN		CAMPIONE	90	DOMESTIC	2	Aug-94	30:10:49	-92:07:08	D W
3	Lafayette	-7974Z	SOONER RESOURCE	MARTIN 1	RIG WATER	180	RIG SUPPLY	4	Aug-94	30:14:13	-92:09:14	D W
3	Lafayette	-7984Z	BOWERS, ROY		CAMPIONE	120	DOMESTIC	2	Sep-94	30:13:31	-92:07:20	D W
3	Lafayette	-7989Z	MOUTON, TONY		CAMPIONE	170	DOMESTIC	2	Sep-94	30:14:21	-92:09:00	D W
3	Lafayette	-8000Z	RICHARD, THOMAS		UNKNOWN	95	PLUGGED	3	.	30:13:08	-92:07:09	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-8001Z	RICHARD, THOMAS		MEAUX, CARROLL	95	DOMESTIC	2	Sep-94	30:13:08	-92:07:09	D W
3	Lafayette	-8002Z	SWEET, PHILANDE		MEAUX, CARROLL	170	DOMESTIC	2	Sep-94	30:14:20	-92:08:55	D W
3	Lafayette	-8008Z	GUIDRY, ALLEN K		HUVAL, BRIAN	160	DOMESTIC	2	Apr-95	30:14:08	-92:07:58	D W
3	Lafayette	-8016Z	LBM DISTRIBUTOR	MW-1	PSI/PTL	18	PLUGGED	4	Jul-91	30:14:05	-92:10:33	D W
3	Lafayette	-8017Z	LBM DISTRIBUTOR	MW-2	PSI/PTL	18	PLUGGED	4	Jul-91	30:14:05	-92:10:33	D W
3	Lafayette	-8018Z	LBM DISTRIBUTOR	MW-3	PSI/PTL	18	PLUGGED	4	Jul-91	30:14:05	-92:10:33	D W
3	Lafayette	-8021Z	KRITI EXPLOR	BOUDREAUX1	RIG WATER	170	PLUGGED	4	Oct-94	30:13:12	-92:10:08	D W
3	Lafayette	-8038Z	THIGPEN, RONNIE		CAMPIONE	180	DOMESTIC	2	Sep-94	30:13:51	-92:08:58	D W
3	Lafayette	-8039Z	ANZALONE, LOUIS		HUVAL, BRIAN	200	DOMESTIC	2	Sep-94	30:13:24	-92:08:11	D W
3	Lafayette	-8049Z	BENOIT CONST		BROUSSARD	106	DOMESTIC	2	Sep-94	30:11:51	-92:06:02	D W
3	Lafayette	-8059Z	MACHIN & ASSOC	BOUDREAUX1	RIG WATER	180	PLUGGED	4	Nov-94	30:13:12	-92:10:08	D W
3	Lafayette	-8074Z	BIHM, SHEILA		CAMPIONE	120	DOMESTIC	2	Nov-94	30:13:18	-92:07:38	D W
3	Lafayette	-8112Z	CONOCO	PELLERIN 1	GUICHARD	160	PLUGGED	4	Jan-95	30:11:39	-92:06:37	D W
3	Lafayette	-8164Z	EDDIE, WILLIE		CAMPIONE	180	DOMESTIC	2	Feb-95	30:13:53	-92:09:00	D W
3	Lafayette	-8167Z	SCHEXIDER, PAUL		CAMPIONE	220	DOMESTIC	2	Feb-95	30:11:12	-92:09:03	D W
3	Lafayette	-8168Z	COLLINS, MIKE		MEAUX, CARROLL	130	DOMESTIC	2	Feb-95	30:12:48	-92:07:36	D W
3	Lafayette	-8179Z	SONNIER, ROY J		MEAUX, CARROLL	110	DOMESTIC	2	Mar-95	30:11:18	-92:07:38	D W
3	Lafayette	-8185Z	ROMERO, JOSEPH		UNKNOWN	115	PLUGGED			30:10:55	-92:09:06	
3	Lafayette	-8186Z	ROMERO, JOSEPH		ALLEMAN'S	195	DOMESTIC	2	Mar-95	30:10:55	-92:09:06	D W
3	Lafayette	-8198Z	TRIUNION DEVEL	FALCON SWD	GUICHARD	180	RIG SUPPLY	4	Apr-95	30:12:04	-92:07:37	D W
3	Lafayette	-8206Z	FOREMAN, JOEY		FOREST, SHELDON	110	DOMESTIC	2	May-95	30:13:20	-92:07:36	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-8207Z	MCQUIRE, MIKE		FOREST, SHELDON	200	DOMESTIC	2	May-95	30:13:17	-92:07:34	D W
3	Lafayette	-8211Z	POSRIER, MARTIN		HUVAL, BRIAN	105	DOMESTIC	2	May-95	30:13:15	-92:06:28	D W
3	Lafayette	-8213Z	NAVARRE, DEBRA		MEAUX, CARROLL	100	DOMESTIC	2	Apr-95	30:12:49	-92:06:31	D W
3	Lafayette	-8215Z	TRAHAN, SHARON		MEAUX, CARROLL	90	DOMESTIC	2	May-95	30:12:48	-92:06:31	D W
3	Lafayette	-8216Z	CARRIER, SHERI		FOREST, SHELDON	110	DOMESTIC	2	May-95	30:13:18	-92:07:34	D W
3	Lafayette	-8231Z	CHAUTIN, MERLIN		FOREST, SHELDON	235	DOMESTIC	2	Jun-95	30:14:08	-92:08:03	D W
3	Lafayette	-8233Z	DOUCET, KERRY		MEAUX, CARROLL	190	DOMESTIC	2	May-95	30:15:01	-92:10:20	D W
3	Lafayette	-8234Z	HEBERT, DAYTON		MEAUX, CARROLL	150	DOMESTIC	2	Jun-95	30:11:48	-92:10:37	D W
3	Lafayette	-8269Z	GUILLORY, WANDA		ALLEMAN'S	130	DOMESTIC	2	May-97	30:11:06	-92:06:56	D W
3	Lafayette	-8277Z	WINN, TAMMY		ALLEMAN'S	130	DOMESTIC	2	May-97	30:11:11	-92:06:56	D W
3	Lafayette	-8285Z	ALLEMAN, LISA		FOREST, SHELDON	220	DOMESTIC	2	Jun-95	30:13:40	-92:09:08	D W
3	Lafayette	-8286Z	PREJEAN, KERMIT		FOREST, SHELDON	100	DOMESTIC	2	Jun-95	30:13:18	-92:07:02	D W
3	*Lafayette*	*-8287Z*	*ROGER, ALLEN*		*FOREST, SHELDON*	*230*	*DOMESTIC*	*2*	*Jun-95*	*30:14:03*	*-92:09:11*	*D W*
3	Lafayette	-8305Z	MCDANIEL, DEBBI		FOREST, SHELDON	135	DOMESTIC	2	Jul-95	30:13:16	-92:07:36	D W
3	Lafayette	-8307Z	TRUMPS, JERRY		FOREST, SHELDON	140	DOMESTIC	2	Jun-95	30:14:09	-92:06:33	D W
3	Lafayette	-8309Z	GUIDRY, PATRICA		MEAUX, CARROLL	140	DOMESTIC	2	Jun-95	30:13:49	-92:06:58	D W
3	Lafayette	-8326Z	TERRO, JODY		FOREST, SHELDON	250	DOMESTIC	2	Jul-95	30:12:10	-92:10:56	D W
3	Lafayette	-8329Z	DEMETTE, TERRY		MEAUX, CARROLL	90	DOMESTIC	2	Jul-95	30:11:49	-92:06:07	D W
3	Lafayette	-8338Z	LANDRY, JUDE		BROUSSARD	106	DOMESTIC	2	Jul-95	30:11:14	-92:06:52	D W
3	Lafayette	-8339Z	SANDOZ, SIMMONS		MEAUX, CARROLL	170	DOMESTIC	2	Aug-95	30:13:58	-92:09:07	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-8341Z	CORMIER, RONALD		DELAHOUSSAYE	110	DOMESTIC	2	Sep-95	30:12:54	-92:07:33	D W
3	Lafayette	-8360Z	ANDERSON, HILMA		FOREST, SHELDON	160	DOMESTIC	2	Sep-95	30:12:51	-92:07:46	D W
3	Lafayette	-8364Z	GAUTREAUX, VAN		FOREST, SHELDON	140	DOMESTIC	2	Sep-95	30:13:16	-92:07:41	D W
3	Lafayette	-8365Z	MOORE, CHARLES		FOREST, SHELDON	210	DOMESTIC	2	Sep-95	30:14:03	-92:09:08	D W
3	Lafayette	-8398Z	LEBLANC, KERK		MEAUX, CARROLL	190	DOMESTIC	2	Sep-95	30:13:23	-92:08:07	D W
3	Lafayette	-8422Z	LAUGHLIN, DON		MEAUX, CARROLL	180	DOMESTIC	2	Oct-95	30:14:04	-92:08:08	D W
3	Lafayette	-8439Z	GABLE, MATTHEW		MEAUX, CARROLL	200	DOMESTIC	2	Oct-95	30:13:24	-92:08:05	D W
3	Lafayette	-8478Z	STOUTS, LARRY		HUVAL, BRIAN	170	DOMESTIC	2	Jan-96	30:11:20	-92:10:28	D W
3	Lafayette	-8488Z	ROMERO, RUTH		ALLEMAN'S	80	DOMESTIC	2	Feb-96	30:14:22	-92:09:30	D W
3	Lafayette	-8499Z	CHIASSON, TERRY		MEAUX, CARROLL	100	DOMESTIC	2	Feb-96	30:11:59	-92:06:43	D W
3	Lafayette	-8503Z	ROMERO, RUTH		ALLEMAN'S	180	DOMESTIC	2	Feb-96	30:14:22	-92:09:30	D W
3	Lafayette	-8557Z	PETERSEN, DENN		MEAUX, CARROLL	100	DOMESTIC	2	Mar-97	30:12:05	-92:08:03	D W
3	Lafayette	-8569Z	MEAUX, CARROL		MEAUX, CARROLL	190	DOMESTIC	4	May-96	30:15:29	-92:07:37	D W
3	Lafayette	-8570Z	ALLEMAN, CARSON		MEAUX, CARROLL	180	DOMESTIC	2	May-96	30:14:37	-92:08:38	D W
3	Lafayette	-8572Z	VENABLE, STEPH		UNKNOWN	130	PLUGGED	2		30:13:45	-92:06:45	
3	Lafayette	-8573Z	VENABLE, STEPH		MEAUX, CARROLL	130	DOMESTIC	2	May-96	30:13:45	-92:06:45	D W
3	Lafayette	-8575Z	TOUCHET, LENNIS		MEAUX, CARROLL	120	DOMESTIC	2	May-96	30:12:49	-92:07:29	D W
3	Lafayette	-8576Z	THIBODEAUX, G		MEAUX, CARROLL	180	DOMESTIC	2	May-96	30:11:48	-92:10:36	D W
3	Lafayette	-8592Z	WILLIAMS, JAMES		MEAUX, CARROLL	170	DOMESTIC	2	May-96	30:13:25	-92:08:15	D W
3	Lafayette	-8646Z	SIMON, CHAD		FOREST, SHELDON	180	DOMESTIC	2	Jun-96	30:11:08	-92:10:18	D W
3	Lafayette	-8655Z	OLIVIER, LEE		BROUSSARD	196	DOMESTIC	2	May-96	30:13:32	-92:07:41	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-8683Z	MARTIN, TERRY		HUVAL, BRIAN	110	DOMESTIC	2	Jul-96	30:13:38	-92:06:48	D W
3	Lafayette	-8740Z	TRAHAN, MILTON		UNKNOWN	120	PLUGGED	2		30:14:00	-92:07:36	
3	Lafayette	-8741Z	TRAHAN, MILTON		MEAUX, CARROLL	130	DOMESTIC	2	Oct-96	30:14:00	-92:07:36	D W
3	Lafayette	-8742Z	STOUTS, LARRY		UNKNOWN		DOMESTIC	2		30:11:20	-92:10:28	
3	Lafayette	-8759Z	GUILLORY, TERRY		HUVAL, BRIAN	130	DOMESTIC	2	Dec-96	30:13:18	-92:06:35	D W
3	Lafayette	-8762Z	HAYNES, CINDY		MEAUX, CARROLL	160	DOMESTIC	2	Nov-96	30:11:28	-92:07:53	D W
3	Lafayette	-8771Z	MONTE, GLEN		HUVAL, BRIAN	215	DOMESTIC	2	Jan-97	30:13:38	-92:08:37	D W
3	Lafayette	-8851Z	FALCON, CHRIS		MEAUX, CARROLL	190	DOMESTIC	2	May-97	30:11:17	-92:08:14	D W
3	Lafayette	-8852Z	MONTGOMERY, JOE		MEAUX, CARROLL	110	DOMESTIC	2	May-97	30:13:24	-92:06:51	D W
3	Lafayette	-8861Z	BROUSSARD, MIKE		BROUSSARD	132	DOMESTIC	2	Apr-97	30:11:07	-92:07:06	D W
3	Lafayette	-8869Z	CURLEY, J		MEAUX, CARROLL	140	DOMESTIC	2	May-97	30:12:43	-92:07:31	D W
3	Lafayette	-8874Z	BAUDOIN, SHERI		BROUSSARD	132	DOMESTIC	2	Feb-97	30:13:19	-92:06:49	D W
3	Lafayette	-8889Z	PHILLIPS, CRAIG		HUVAL, BRIAN	110	DOMESTIC	2	Jun-97	30:13:23	-92:07:06	D W
3	Lafayette	-8894Z	HEBERT, ANDY		BROUSSARD	203	DOMESTIC	2	Jun-97	30:10:47	-92:09:11	D W
3	Lafayette	-8925Z	FLOWERS, PAUL		MEAUX, CARROLL	110	DOMESTIC	2	Jul-97	30:13:22	-92:07:03	D W
3	Lafayette	-8926Z	PREJEAN, CARL		MEAUX, CARROLL	140	DOMESTIC	4	Jul-97	30:14:33	-92:07:41	D W
3	Lafayette	-8930Z	CLARK, RICKEY		BROUSSARD	175	STOCK	2	Jul-97	30:12:51	-92:09:06	D W
3	Lafayette	-8934Z	DOMINGUE, STEPH		MEAUX, CARROLL	120	DOMESTIC	2	Jun-97	30:13:24	-92:06:44	D W
3	Lafayette	-8944Z	HERNANDEZ, ROY		UNKNOWN	180	PLUGGED	2		30:14:21	-92:08:17	
3	Lafayette	-8945Z	HERNANDEZ, ROY		MEAUX, CARROLL	190	DOMESTIC	2	Aug-97	30:14:21	-92:08:17	D W
3	Lafayette	-8950Z	PROVOST, MIKE		PELLERIN'S	210	DOMESTIC	2	Jun-97	30:12:08	-92:08:16	D W

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-8972Z	JACOBS, BRENT		HUVAL, BRIAN	100	DOMESTIC	2	Sep-97	30:13:22	-92:06:59	D W
3	Lafayette	-9003Z	POMIER, TERRY		MEAUX, CARROLL	160	DOMESTIC	2	Oct-97	30:14:04	-92:09:14	D W
3	Lafayette	-9026Z	BERNARD, STAN		LOUVIERE	170	DOMESTIC	2	Oct-97	30:15:01	-92:09:32	D W
3	Lafayette	-9028Z	CHEROKEE SERVIC		HUVAL, BRIAN	110	PUBLIC SUPPLY	4	Dec-97	30:10:46	-92:07:16	D W
3	Lafayette	-9034Z	BOURGUE, DOUG		ALLEMAN'S	125	DOMESTIC	2	Jan-98	30:13:20	-92:07:01	D W
3	Lafayette	-9035Z	ROMERO, SHANNON		MEAUX, CARROLL	120	DOMESTIC	2	Jan-98	30:13:17	-92:07:40	D W
3	Lafayette	-9072Z	LEGER, TOMMY		LOUVIERE	115	DOMESTIC	4	Mar-98	30:12:39	-92:08:18	D W
3	Lafayette	-9074Z	FOSTER, FELISHA	APT #363	HUVAL, BRIAN	100	DOMESTIC	2	Apr-98	30:13:21	-92:07:06	D W
3	Lafayette	-9077Z	MOBIL OIL	ARCEN 1(1)	MAXIM'S	170	PLUGGED	4	Apr-98	30:13:21	-92:09:23	D W
3	Lafayette	-9078Z	MOBIL OIL	ARCEN 1(2)	MAXIM'S	170	PLUGGED	4	Apr-98	30:13:21	-92:09:23	D W
3	Lafayette	-9080Z	SONNIER, JOE		HUVAL, BRIAN	195	DOMESTIC	2	May-98	30:13:31	-92:07:45	D W
3	Lafayette	-9082Z	MECHE, RICKIE		MEAUX, CARROLL	105	DOMESTIC	2	Apr-98	30:13:24	-92:07:12	D W
3	Lafayette	-9096Z	BREWER, NORM		ALLEMAN'S	145	DOMESTIC	2	May-98	30:13:20	-92:06:58	D W
3	Lafayette	-9105Z	BOREL, CHRIS		ALLEMAN'S	195	DOMESTIC	2	Jun-98	30:10:43	-92:09:11	D W
3	Lafayette	-9120Z	OWERS, EDGAR		MEAUX, CARROLL	185	DOMESTIC	2	Jun-98	30:14:03	-92:09:19	D W
3	Lafayette	-9130Z	HEBERT, ANDY		BROUSSARD	200	DOMESTIC	2	May-98	30:10:48	-92:09:10	D W
3	Lafayette	-9131Z	BROUSSARD, JULE		BROUSSARD	205	DOMESTIC	2	May-98	30:10:41	-92:09:10	D W
3	Lafayette	-9137Z	THIBODEAUX, D		ALLEMAN'S	170	DOMESTIC	2	Jun-98	30:14:03	-92:09:23	D W
3	Lafayette	-9138Z	BAUDOIN, MARY		MEAUX, CARROLL	190	DOMESTIC	2	Jun-98	30:14:05	-92:09:30	D W
3	Lafayette	-9148Z	CHOPTIN, CHAD		ALLEMAN'S	190	DOMESTIC	2	Jul-98	30:11:12	-92:10:19	D W
3	Lafayette	-9149Z	HYNES, CHRIS		MEAUX, CARROLL	210	DOMESTIC	2	Jul-98	30:12:04	-92:10:52	D W
3	Lafayette	-9162Z	BOURQUE, ANDRUS	3	DELAHOUSSAYE	180	IRRIGATION	4	Jul-98	30:13:19	-92:09:32	D W
3	Lafayette	-9171Z	COMEAUX, VERNAL	2	BILLEAUD'S (A)	180	STOCK	2	Jul-98	30:14:43	-92:07:31	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-9173Z	TURNER, ALLEN		FOREST, SHELDON	205	DOMESTIC	2	Sep-98	30:13:05	-92:10:13	D W
3	Lafayette	-9174Z	VIGE, RANDY		MEAUX, CARROLL	210	DOMESTIC	2	Aug-98	30:11:37	-92:10:51	D W
3	Lafayette	-9186Z	LEONARD, GEORGE		MEAUX, CARROLL	180	DOMESTIC	2	Sep-98	30:14:22	-92:09:29	D W
3	Lafayette	-9194Z	PRIME OPERATING	MM STUTES1	RIG WATER	200	PLUGGED	4	Oct-98	30:13:02	-92:11:03	D W
3	Lafayette	-9214Z	COMEAUX, VERNEL		BILLEAUD'S (A)	180	PLUGGED	3	.	30:14:43	-92:07:31	
3	Lafayette	-9222Z	TRAHAN, MARK		MEAUX, CARROLL	110	DOMESTIC	2	Oct-98	30:14:13	-92:07:22	D W
3	Lafayette	-9223Z	THERIOT, DEANNA		MEAUX, CARROLL	170	DOMESTIC	2	Oct-98	30:15:32	-92:09:20	D W
3	Lafayette	-9224Z	BOURQUE, SANDRA		MEAUX, CARROLL	175	DOMESTIC	2	Oct-98	30:11:49	-92:10:36	D W
3	Lafayette	-9230Z	LABBE, CLAUDE		UNKNOWN	180	PLUGGED	2	.	30:13:26	-92:10:11	
3	Lafayette	-9231Z	LABBE, CLAUDE		MEAUX, CARROLL	180	DOMESTIC	2	Nov-98	30:13:26	-92:10:11	D W
3	Lafayette	-9232Z	SCHAMP, LAYCIE		MEAUX, CARROLL	110	DOMESTIC	2	Oct-98	30:11:27	-92:06:13	D W
3	Lafayette	-9236Z	RILEY, JESSICA		UNKNOWN	108	PLUGGED	2	.	30:12:31	-92:06:31	
3	Lafayette	-9239Z	PRIME OPERATING	HERNANDEZ1	GUICHARD	180	PLUGGED	4	Feb-99	30:10:50	-92:09:00	D W
3	Lafayette	-9243Z	DELAUSSAYE, PAT		ALLEMAN'S	185	DOMESTIC	2	Nov-98	30:12:00	-92:10:51	D W
3	Lafayette	-9245Z	NERO, LARRY		MEAUX, CARROLL	170	DOMESTIC	4	Dec-98	30:12:43	-92:09:51	D W
3	Lafayette	-9249Z	RILEY, JESSICA		UNKNOWN	.	DOMESTIC	2	.	30:12:31	-92:06:31	
3	Lafayette	-9253Z	HEBERT, ERIC		MEAUX, CARROLL	200	DOMESTIC	2	Jan-99	30:11:49	-92:10:47	D W
3	Lafayette	-9255Z	GOTREAUX, BRIAN		MEAUX, CARROLL	100	DOMESTIC	3	Jan-99	30:12:59	-92:07:58	D W
3	Lafayette	-9260Z	DUHON, RITA		ALLEMAN'S	145	DOMESTIC	2	Feb-99	30:13:22	-92:06:46	D W
3	Lafayette	-9266Z	HEBERT, DUDLEY		MEAUX, CARROLL	130	DOMESTIC	2	Feb-99	30:13:01	-92:07:50	D W
3	Lafayette	-9268Z	GUILBEAUX, V		BILLEAUD, JAMES	180	PLUGGED	2	1969	30:13:28	-92:08:47	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-9269Z	GUILBEAU, V		MEAUX, CARROLL	185	DOMESTIC	2	Feb-99	30:13:28	-92:08:47	D W
3	Lafayette	-9291Z	VINCENT, NICHOL		HUVAL, BRIAN	150	DOMESTIC	2	Apr-99	30:14:03	-92:09:29	D W
3	Lafayette	-9315Z	LAMOUNT, RUSTY		ALLEMAN'S	165	DOMESTIC	2	May-99	30:11:39	-92:10:19	D W
3	Lafayette	-9332Z	EMPERLEY, STAN		UNKNOWN	180	PLUGGED	0.5	1972	30:14:38	-92:08:35	
3	Lafayette	-9342Z	BAILEY, EVA	1	BROUSSARD	174	DOMESTIC	2	Apr-98	30:13:51	-92:08:43	D W
3	Lafayette	-9359Z	COTTON, L E		ALLEMAN'S	165	DOMESTIC	2	Jun-99	30:14:01	-92:09:25	D W
3	Lafayette	-9360Z	QUEBEDEAUX, L		MEAUX, CARROLL	165	DOMESTIC	2	May-99	30:11:50	-92:10:50	D W
3	Lafayette	-9363Z	CLIFFWOOD PROD	BACQUE 1	GUICHARD	200	PLUGGED	4	Jun-99	30:13:06	-92:08:52	D W
3	Lafayette	-9370Z	DUPLECHEIN, B		MEAUX, CARROLL	105	DOMESTIC	2	May-99	30:11:58	-92:06:33	D W
3	Lafayette	-9376Z	LANIER, TERRY		UNKNOWN	105	PLUGGED	2	.	30:12:38	-92:06:34	
3	Lafayette	-9377Z	LANIER, TERRY		MEAUX, CARROLL	110	DOMESTIC	2	May-99	30:12:38	-92:06:34	D W
3	Lafayette	-9389Z	HEBERT, DANNY		MEAUX, CARROLL	120	DOMESTIC	2	Jun-99	30:12:45	-92:07:32	D W
3	Lafayette	-9390Z	BENOIT, PAM		MEAUX, CARROLL	120	DOMESTIC	2	Jun-99	30:12:45	-92:07:32	D W
3	Lafayette	-9397Z	FOSTER, JAMES		BROUSSARD	190	PLUGGED	2.5	.	30:10:56	-92:09:04	
3	Lafayette	-9399Z	BOURQUE, JEFFRY		PELLERIN'S	180	DOMESTIC	2	Feb-91	30:15:19	-92:09:37	D W
3	Lafayette	-9400Z	CORUTHERS, F		LOUVIERE	175	DOMESTIC	2	Jun-95	30:13:15	-92:08:29	D W
3	Lafayette	-9401Z	CORUTHERS, F		UNKNOWN	210	PLUGGED	2	.	30:13:15	-92:08:29	
3	Lafayette	-9402Z	LANTIER, FERREL		BILLEAUD, JAMES	170	DOMESTIC	2	Oct-91	30:13:07	-92:10:11	D W
3	Lafayette	-9403Z	HUTCHINSON, E		BILLEAUD, JAMES	200	DOMESTIC	2	Oct-91	30:13:08	-92:09:58	D W
3	Lafayette	-9404Z	LANTIER, FERREL		UNKNOWN	60	PLUGGED		.	30:13:07	-92:10:11	
3	Lafayette	-9411Z	LANGLEY, DONALD		MEAUX, CARROLL	185	DOMESTIC	2	Jul-99	30:11:06	-92:08:53	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
3	Lafayette	-9414Z	NGUYEN, CHAU V		MEAUX, CARROLL	145	DOMESTIC	2	Jul-99	30:12:49	-92:07:36	D W
3	Lafayette	-9443Z	RICHARD, LISA		HUVAL, BRIAN	185	DOMESTIC	2	Aug-99	30:11:54	-92:10:51	D W
3	Lafayette	-9448Z	GUIDRY, RONNIE		MEAUX, CARROLL	90	DOMESTIC	2	Aug-99	30:12:34	-92:05:57	D W
3	Lafayette	-9452Z	WHITE, ALISON		BROUSSARD	195	DOMESTIC	2	Sep-99	30:14:02	-92:09:26	D W
3	Lafayette	-9462Z	QUEST EXPLOR	R TRAHAN 1	RIG WATER	180	PLUGGED	4	Sep-99	30:13:15	-92:09:03	D W
3	Lafayette	-9469Z	MOORE, CHARLES		HUVAL, BRIAN	210	IRRIGATION	4	Sep-99	30:14:01	-92:09:17	D W
3	Lafayette	-9476Z	ROBIN, DARBY		MEAUX, CARROLL	180	DOMESTIC	2	Sep-99	30:11:55	-92:10:51	D W
3	Lafayette	-9477Z	BROUSSARD, C		MEAUX, CARROLL	180	DOMESTIC	2	Sep-99	30:11:57	-92:10:51	D W
3	Lafayette	-9528Z	TRAHAN, WAYNE		PELLERIN'S	200	DOMESTIC	2	May-91	30:12:45	-92:09:30	D W
3	Lafayette	-9532Z	HALLWOOD PETRO	F DUHON 1	RIG WATER	160	RIG SUPPLY	4	Nov-99	30:12:18	-92:05:43	D W
3	Lafayette	-9554Z	TRAHAN, CHARLES		HUVAL, BRIAN	165	DOMESTIC	4	Dec-99	30:11:42	-92:07:56	D W

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There are 763 wells within a 4 mile radius of (lat/long) 30:13:07, -92:08:28

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-13	BOP CONTROL		UNKNOWN	.	OTHER	2	.	30:10:46	-92:07:16	
4	Lafayette	-26	GREEN, D P		BOUDREAUX	107	DOMESTIC	4X2	1929	30:13:50	-92:04:53	
4	Lafayette	-27	BOUDREAUX, PAUL		BOUDREAUX	110	DOMESTIC	4X2	1924	30:13:22	-92:05:19	
4	Lafayette	-28	ARRETTEIG, J B		UNKNOWN	240	UNKNOWN	4X2.50	1917	30:12:59	-92:05:26	Q W
4	Lafayette	-29	DEJACK, FRANK		UNKNOWN	85	DOMESTIC	4X2	Sep-40	30:12:44	-92:05:21	
4	Lafayette	-30	CHINSSON, JOE		MOUTON S	90	DOMESTIC	4X2	1940	30:13:39	-92:05:10	
4	Lafayette	-31	DEJACK, JOE		UNKNOWN	135	DOMESTIC	4X2	1940	30:13:19	-92:05:09	
4	Lafayette	-32	BOUDREAUX, PAUL		MOUTON	125	DOMESTIC	4X2	1935	30:12:28	-92:05:00	
4	Lafayette	-33	BROUSSARD, LOU		PORTIER	65	DOMESTIC	4X2	.	30:12:40	-92:04:55	
4	Lafayette	-34	BROUDREAUX, G		PORTIER	86	DOMESTIC	4X2	1942	30:12:34	-92:05:14	Q
4	Lafayette	-35	SCOTT, LA	2	STAMM-SCHEELE	150	PLUGGED	8X6X6	Aug-40	30:14:04	-92:05:34	D Q W
4	Lafayette	-36	SCOTT, LA	1	LAYNE (LA)	144	PLUGGED	8X6	Feb-38	30:14:04	-92:05:34	D Q W
4	Lafayette	-37	PORTIER, HYMEL		PORTIER	84	DOMESTIC	4X2	1935	30:14:30	-92:05:48	Q W
4	Lafayette	-38	PREPATIN, D		PORTIER	84	DOMESTIC	4X2	1935	30:14:32	-92:05:52	
4	Lafayette	-39	MCBRIDE, CHAS		PORTIER	85	DOMESTIC	3X1.50	1938	30:14:32	-92:06:01	
4	Lafayette	-40	CHASSION		UNKNOWN	330	ABANDONED		1919	30:14:23	-92:05:46	
4	Lafayette	-41	ALLEMEN, A		MOUTON S	120	DOMESTIC	4X1.50	Nov-38	30:14:43	-92:06:36	W
4	Lafayette	-42	BEAUGNAUX, B		BROUDREAUX	160	DOMESTIC	4X1.50	24-Nov	30:14:35	-92:06:17	
4	Lafayette	-43	BOUDREAUX, SID		PORTIER	100	DOMESTIC	3X2	1940	30:14:46	-92:06:26	W
4	Lafayette	-44	BOUDREAUX, SID		UNKNOWN	105	ABANDONED	4X2	.	30:14:48	-92:06:17	W
4	Lafayette	-80	STUTES, ANDREW		MOUTON S	210	DOMESTIC	4X2	1928	30:10:55	-92:06:59	
4	Lafayette	-81	JUDICE, E		PORTIER	110	DOMESTIC	4X2	1940	30:10:55	-92:07:21	
4	Lafayette	-92	DUHON, J O		UNKNOWN	100	DOMESTIC	4X2	1911	30:09:56	-92:06:54	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-93	DUHON, ALCIDE		PORTIER	100	DOMESTIC	3X2	1940	30:10:05	-92:07:08	
4	Lafayette	-121	BROUSSARD, DEWY		PORTIER	105	DOMESTIC	4X2	1939	30:14:06	-92:06:16	
4	Lafayette	-122	TRAHAN, RAYMOND		PORTIER	.	DOMESTIC	4X2	1941	30:13:56	-92:07:42	
4	Lafayette	-123	TRAHAN, DELLY		BOUDREAUX	219	DOMESTIC	4X2	.	30:13:39	-92:07:58	
4	Lafayette	-124	SIADAUS, GASTAN		GUIDRY	200	ABANDONED	4X2	.	30:13:57	-92:08:18	
4	Lafayette	-126	CREDEUR, ED		PORTIER	170	DOMESTIC	3X2	.	30:13:23	-92:07:52	
4	Lafayette	-127	BROUSSARD, E		BROUDREAUX	126	DOMESTIC	4X2	1940	30:12:53	-92:08:09	
4	Lafayette	-128	RICHARD, C H		MOUTON R	90	DOMESTIC	4X1.25	.	30:12:35	-92:07:48	
4	Lafayette	-129	RICHARD, CLAUDI	OLD	STAMM-SCHEELE	300	IRRIGATION	10	1914	30:12:30	-92:07:48	Q W
4	Lafayette	-130	ARCENEAUX, E		PORTIER	172	DOMESTIC	3X2	1941	30:12:36	-92:09:09	
4	Lafayette	-131	DUGAS, CYRUS		PORTIER	150	DOMESTIC	4X2	1941	30:12:37	-92:09:24	
4	Lafayette	-132	LAGNEAUX, C		MOUTON	138	DOMESTIC	4X1.50	1937	30:12:13	-92:10:39	W
4	Lafayette	-133	BOUDREAUX, J		MOUTON R	250	DOMESTIC	4X2	.	30:12:01	-92:11:13	
4	Lafayette	-135	LENEAUX, RICH		STAMM-SCHEELE	340	IRRIGATION	8	.	30:12:04	-92:11:35	Q W
4	Lafayette	-136	ARCENEAUX, CHAS		UNKNOWN	36	DOMESTIC		Nov-43	30:13:35	-92:11:23	
4	Lafayette	-137	ANDERSON, LOUIS		MOUTON	184	DOMESTIC	4X2	1933	30:14:40	-92:09:26	
4	Lafayette	-138	ARCENEAUX, DAVE		PORTIER	157	DOMESTIC	4X2	1938	30:14:18	-92:08:20	
4	Lafayette	-139	PEOPLES GIN CO		UNKNOWN	200	FIRE PROT.	6	.	30:14:06	-92:10:56	
4	Lafayette	-140	DUSON GRADE SCH		MOUTON R	220	PUBLIC SUPPLY	6	1932	30:14:16	-92:11:00	
4	Lafayette	-141	LAGNEAUX LUMB		MANIGAN	185	FIRE PROT.	4X2	1925	30:14:07	-92:10:34	Q W
4	Lafayette	-142	HERNANDEZ, R S		UNKNOWN	170	DOMESTIC		1931	30:14:18	-92:11:07	
4	Lafayette	-143	COTTON OIL CO		UNKNOWN	350	ABANDONED		.	30:14:06	-92:11:10	W
4	Lafayette	-215	SMITH, ZORA		UNKNOWN	35	DOMESTIC	.	1936	30:10:21	-92:10:49	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-216	HOLLIER, SIDNEY		MOUTON R	150	DOMESTIC	4X2	1939	30:11:39	-92:10:29	
4	Lafayette	-217	LAPEROUSE, A		MOUTON R	150	DOMESTIC	4X2	.	30:11:46	-92:10:42	Q
4	Lafayette	-218	LABEY, P		MOUTON S	125	DOMESTIC	4X2	1939	30:11:39	-92:09:47	
4	Lafayette	-219	DOMINQUE, U		MOUTON S	138	DOMESTIC	4X2	1939	30:11:40	-92:09:30	
4	Lafayette	-220	SIMON, ED		MOUTON S	130	DOMESTIC	4X2	1939	30:11:38	-92:09:55	
4	Lafayette	-221	TIMMONS, JOHN		UNKNOWN	23	DOMESTIC		1938	30:11:25	-92:08:24	
4	Lafayette	-222	STUTES, ALBERT		PORTIER	125	DOMESTIC	4X2	1940	30:11:38	-92:08:10	Q
4	Lafayette	-223	JUDICE HIGH SCH		MOUTON	250	PUBLIC SUPPLY	4X2	1928	30:10:03	-92:08:27	Q
4	Lafayette	-225	FORMAN, MAYO		UNKNOWN	225	DOMESTIC	2	1913	30:10:15	-92:08:07	
4	Lafayette	-229	PREJEAN, AMBOIS		MOUTON R	140	DOMESTIC	4X2	1940	30:10:53	-92:10:05	W
4	Lafayette	-230	GUILBEAU		MOUTON R	140	DOMESTIC	4	Jan-40	30:10:55	-92:09:56	
4	Lafayette	-231	BENOTT		PORTIER	175	DOMESTIC	4	Jan-38	30:11:31	-92:10:14	
4	Lafayette	-232	KNIGHT		PORTIER	85	DOMESTIC	3	Jan-38	30:13:59	-92:05:13	Q
4	Lafayette	-233	DOMINQUE, CURLY		MOUTON R	140	DOMESTIC	2	1940	30:10:54	-92:09:33	
4	Lafayette	-285	SPELL, EMETT		MOUTON A	125	DOMESTIC	4X2	1928	30:15:18	-92:05:24	
4	Lafayette	-286	SONNIER, LEONCE		PORTIER	85	DOMESTIC	3X1.50	Dec-43	30:15:32	-92:05:38	
4	Lafayette	-287	PITT, JOHN		BERNARD E	123	DOMESTIC	1.5	1923	30:15:20	-92:05:58	
4	Lafayette	-310	BIGNEAUX, A		BOUDREAUX	110	DOMESTIC		1933	30:15:19	-92:06:36	
4	Lafayette	-311	PORTIER, ALEX		PORTIER	140	DOMESTIC	4X2	1937	30:15:55	-92:06:34	
4	Lafayette	-312	SONNIER, ELIE		PORTIER	150	DOMESTIC		1940	30:15:46	-92:06:50	
4	Lafayette	-315	DOMINQUE, GEO		BOUDREAUX	136	DOMESTIC	4X2	1926	30:15:33	-92:06:56	
4	Lafayette	-316	BIGNEAUX, E		UNKNOWN	135	DOMESTIC	4X2	1936	30:15:44	-92:07:34	
4	Lafayette	-317	NERO, CLEM		MOUTON S	145	DOMESTIC		1940	30:15:05	-92:07:36	
4	Lafayette	-318	SONNIER, FRED		PORTIER	135	DOMESTIC	3X2	1943	30:15:36	-92:08:00	
4	Lafayette	-319	BIGNEAUX, U		SAVOY	135	DOMESTIC	4X2	1941	30:15:10	-92:07:27	
4	Lafayette	-320	LACY, WILLIAM		PORTIER	140	DOMESTIC	4X2	1940	30:15:57	-92:08:38	
4	Lafayette	-321	LACY, JOE		BOUDREAUX	156	DOMESTIC		1926	30:16:00	-92:08:10	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-322	MARTIN, DUPREY		UNKNOWN	160	DOMESTIC	3X2	1943	30:15:33	-92:09:00	
4	Lafayette	-326	GILBEAUX, PAUL		BOUDREAUX	120	DOMESTIC	4X2	1928	30:16:14	-92:08:19	
4	Lafayette	-434	BRENTWOOD TRAIL		BROUSSARD	198	PUBLIC SUPPLY	2	Dec-92	30:13:44	-92:07:48	D W
4	Lafayette	-478	BRADFORD, CHAS		STAMM-SCHEELE	283	IRRIGATION	12	1943	30:13:19	-92:11:43	D Q W
4	Lafayette	-481	RITCHEY, DAN A	TEST	LAYNE (LA)	305	INACTIVE	16X10	Feb-52	30:14:31	-92:07:30	D W
4	Lafayette	-482	RITCHEY, DAN A		LAYNE (LA)	308	INACTIVE	16X10	Sep-52	30:14:31	-92:07:25	D W
4	Lafayette	-483	RITCHEY, DAN A	OBSERV	COASTAL WTR	240	PLUGGED	4	Feb-52	30:14:31	-92:07:20	D
4	Lafayette	-484	CONTINENTAL OIL		STAMM-SCHEELE	257	DESTROYED		Feb-38	30:12:56	-92:06:49	
4	Lafayette	-486	BILLEAUD, RENE		BILLEAUD R	105	DOMESTIC	4		30:11:48	-92:05:24	W
4	Lafayette	-504	RITCHEY, DAN A	TEST	LAYNE (LA)	100	DESTROYED	7	May-51	30:14:31	-92:07:20	E
4	Lafayette	-505	RITCHEY, DAN A		COASTAL WTR	812	INACTIVE	12X8	Jan-52	30:14:31	-92:07:20	W
4	Lafayette	-506	RITCHEY, DAN A		COASTAL WTR	937	INACTIVE	10X8X6	Jul-52	30:14:31	-92:07:20	Q W
4	Lafayette	-508	HANKS		STAMM-SCHEELE	301	IRRIGATION	18X8	Mar-51	30:10:14	-92:08:34	D Q PW
4	Lafayette	-517	TANNER, AGNES R	1	STAMM-SCHEELE	235	IRRIGATION	30X12X12	1918	30:12:40	-92:11:40	Q W
4	Lafayette	-555	SCOTT, LA	3	STAMM-SCHEELE	105	PUBLIC SUPPLY	8	Sep-61	30:14:01	-92:05:52	Q W
4	Lafayette	-557	DUSON, LA	1	STAMM-SCHEELE	244	PUBLIC SUPPLY	6X4X4	May-65	30:14:07	-92:10:44	W
4	Lafayette	-558	DUSON, LA	2	STAMM-SCHEELE	247	PUBLIC SUPPLY	6X4X4	May-65	30:14:07	-92:10:35	D Q W
4	Lafayette	- 567A	LA PUBLIC WORKS	SCOTT#1	ACME PLUMB	457	PLUGGED	4X2.50	Jun-69	30:14:08	-92:05:14	EDMQ PW
4	Lafayette	- 567B	LA PUBLIC WORKS	SCOTT#1	ACME PLUMB	964	PLUGGED	4X2.50	Jun-69	30:14:08	-92:05:14	EDMQ PW
4	Lafayette	-608	LAGNEAUX, R		STAMM-SCHEELE	201	IRRIGATION	6X4	Aug-46	30:12:07	-92:11:39	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-610	DUHON, ALDON		STAMM-SCHEELE	.	IRRIGATION	8	Nov-64	30:10:49	-92:07:14	
4	Lafayette	-611	LF SCHOOL BOARD	JUDICE2	STAMM-SCHEELE	240	PLUGGED	4	Oct-60	30:10:02	-92:08:25	
4	Lafayette	-612	DENAIS, ALVIN		LAYNE (LA)	293	IRRIGATION	18X10X10	.	30:10:50	-92:07:53	
4	Lafayette	-616	HANKS, NELSON P		STAMM-SCHEELE	305	IRRIGATION	16X10X8	Mar-66	30:12:02	-92:07:36	D W
4	Lafayette	-618	BOLLICH, ALBERT		STAMM-SCHEELE	231	IRRIGATION	12X8X6	Apr-56	30:15:43	-92:06:07	D W
4	Lafayette	-620	BOLLICH, ALBERT		UNKNOWN	.	IRRIGATION		.	30:13:22	-92:06:00	
4	Lafayette	-635	ABSHIRE LAWN SE		BILLEAUD, JAMES	200	PUBLIC SUPPLY	2	Apr-92	30:10:54	-92:06:30	D W
4	Lafayette	-638	FALCON, JIM		LOUVIERE	202	IRRIGATION	4	Apr-92	30:14:02	-92:11:19	D W
4	Lafayette	-643	JACKSON SQUARE	1	STAMM-SCHEELE	563	PUBLIC SUPPLY	12X6X6	Jan-80	30:11:32	-92:06:36	EDM W
4	Lafayette	-646	TANNER, AGNES R	2	STAMM-SCHEELE	305	IRRIGATION	10	Jan-45	30:11:44	-92:10:32	
4	Lafayette	-647	RICHARD, CLAUDI	JUDICE FM	STAMM-SCHEELE	301	IRRIGATION	16X12X10	Nov-78	30:12:35	-92:07:44	D W
4	Lafayette	-651	STUTES, MAYO		STAMM-SCHEELE	258	IRRIGATION	16X10X8	Jan-67	30:13:01	-92:10:45	D W
4	Lafayette	-655	LAFAYETTE, LA	1-S	STAMM-SCHEELE	547	PUBLIC SUPPLY	16X10	Sep-80	30:10:38	-92:05:58	D W
4	Lafayette	-656	LAFAYETTE, LA	2-S	UNKNOWN	400	PUBLIC SUPPLY	16X10	Nov-80	30:10:38	-92:05:58	D W
4	Lafayette	-657	LAFAYETTE, LA	3-S	UNKNOWN	640	PUBLIC SUPPLY	16X10	Oct-80	30:10:38	-92:05:49	D W
4	Lafayette	-658	LAFAYETTE, LA	4-S	STAMM-SCHEELE	391	PUBLIC SUPPLY	16X10	Oct-80	30:10:38	-92:05:49	D W
4	Lafayette	-660	WEST WINDS SUB	1	STAMM-SCHEELE	463	PUBLIC SUPPLY	6	Nov-80	30:12:17	-92:06:14	D W
4	Lafayette	-676	CON ENGINEERING	1	STAMM-SCHEELE	216	PUBLIC SUPPLY	4	Jun-82	30:11:55	-92:10:35	DM W
4	Lafayette	-679	RICHARD, W & N		STAMM-SCHEELE	299	IRRIGATION	16X10X8	Feb-79	30:13:35	-92:09:46	D W
4	Lafayette	-682	SCOTT, LA	4	STAMM-SCHEELE	118	PLUGGED	10X10	May-70	30:14:12	-92:05:57	D W
4	Lafayette	-694	DUGAS, WILLIE	2	STAMM-SCHEELE	178	IRRIGATION	4	Jan-84	30:12:04	-92:10:56	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-695	LF WTR DIST	1	STAMM-SCHEELE	360	PUBLIC SUPPLY	10X6	Feb-84	30:11:35	-92:08:24	D W
4	Lafayette	-699	GUILBEAUX, BEN	1	CORMIER'S	190	PUBLIC SUPPLY	4	May-83	30:13:41	-92:07:28	D
4	Lafayette	-706	COUNTRY AIRE	WEST	BILLEAUD, JAMES	170	PUBLIC SUPPLY		Apr-83	30:11:33	-92:07:17	W
4	Lafayette	-707	COUNTRY AIRE	2	BILLEAUD, JAMES	170	PUBLIC SUPPLY		Apr-83	30:11:33	-92:07:17	W
4	Lafayette	-726	FONTENOT, P		LOUVIERE	195	IRRIGATION	4	Aug-85	30:10:44	-92:10:33	D W
4	Lafayette	-729	RICHARD, WILLIE	2	STAMM-SCHEELE	274	IRRIGATION	16X10X8	Nov-79	30:13:35	-92:09:46	D
4	Lafayette	-732	WIMBLEDON APTS		B & B	125	PLUGGED	4	Dec-85	30:11:45	-92:06:07	DM
4	Lafayette	-735	WIMBLEDON APTS	3	BILLEAUD, JAMES	130	PUBLIC SUPPLY	4	Mar-86	30:11:45	-92:06:07	D W
4	Lafayette	-737	OPERATORS INC		BILLEAUD, JAMES	80	INDUSTRIAL	2	Mar-86	30:13:36	-92:04:31	D W
4	Lafayette	-751	LAFLEUR, J M		CORMIER'S	145	IRRIGATION	2	May-85	30:11:48	-92:06:49	D W
4	Lafayette	-754	CHILDRENS SCH		B & B	110	PUBLIC SUPPLY	2	Oct-84	30:12:52	-92:05:59	
4	Lafayette	-760	DEJACQUES, R D		CORMIER'S	105	PUBLIC SUPPLY	4	Mar-86	30:12:51	-92:05:18	D W
4	Lafayette	-767	COURVILLE, L		BROUSSARD	210	PUBLIC SUPPLY	4	Oct-85	30:10:03	-92:08:15	D W
4	Lafayette	-774	WRIGHT, STEVE		BROUSSARD	186	PUBLIC SUPPLY	2	Jan-86	30:13:33	-92:08:55	D W
4	Lafayette	-779	LANDRY, ERIC		BILLEAUD, JAMES	200	IRRIGATION	2	Jun-88	30:14:08	-92:09:05	D W
4	Lafayette	-787	COOK, LEE		JOBE	163	PUBLIC SUPPLY	2	Jun-86	30:11:43	-92:08:01	D
4	Lafayette	-791	GARDNER, L J DR		B & B	110	AQUACULTURE	2	Nov-86	30:13:13	-92:06:37	D W
4	Lafayette	-792	VINCENT, LESTER		CORMIER'S	170	PUBLIC SUPPLY	2	Apr-87	30:11:38	-92:08:50	D W
4	Lafayette	-793	TOUCHET, JAMES		GUICHARD	228	IRRIGATION	8	May-87	30:10:48	-92:08:17	D W
4	Lafayette	-794	ARCENEAUX, WILL		UNKNOWN		IRRIGATION	10		30:12:21	-92:10:35	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-795	ARCENEAUX, WILL		AMY, M. E.	204	IRRIGATION	4	Sep-87	30:12:20	-92:10:34	D W
4	Lafayette	-822	LF WTR DIST		UNKNOWN	.	PUBLIC SUPPLY	10	.	30:11:27	-92:08:22	
4	Lafayette	-823	LF WTR DIST	2	AMY, M. E.	363	PUBLIC SUPPLY	10X6	Sep-87	30:11:27	-92:08:22	DM W
4	Lafayette	-845	RUTHERFORD, BOB		PELLERIN'S	165	PUBLIC SUPPLY	2	Nov-89	30:14:04	-92:08:06	D W
4	Lafayette	-847	GUIDRY, HARRY		PELLERIN'S	230	IRRIGATION	4	Dec-89	30:12:43	-92:08:36	D W
4	Lafayette	-856	SEAUX, ALVIN		BILLEAUD, JAMES	140	PUBLIC SUPPLY	2	Aug-89	30:14:03	-92:07:23	D W
4	Lafayette	-859	BLANCHARD, JOHN		PELLERIN'S	125	AQUACULTURE	4	Apr-89	30:12:57	-92:06:29	D W
4	Lafayette	-863	JUDICE, CLYDE	1	CAMPIONE	200	IRRIGATION	6	May-89	30:11:31	-92:09:03	D W
4	Lafayette	-866	STRINGER, CHAS		BILLEAUD, JAMES	80	PUBLIC SUPPLY	2	Jun-89	30:12:13	-92:05:57	D W
4	Lafayette	-874	TRIPLE A REAL		BILLEAUD, JAMES	80	PUBLIC SUPPLY		Sep-89	30:12:12	-92:05:58	D W
4	Lafayette	-877	RUDICK CO INC		BILLEAUD, JAMES	90	PUBLIC SUPPLY		Oct-89	30:13:17	-92:04:48	D W
4	Lafayette	-888	BOP CONTROL	2	GUICHARD	170	PUBLIC SUPPLY	4	May-90	30:10:46	-92:07:16	D W
4	Lafayette	-891	EV MAID		BILLEAUD, JAMES	100	PUBLIC SUPPLY		Jul-90	30:12:24	-92:05:29	D W
4	Lafayette	-893	HANKS, BRADLEY		BILLEAUD, JAMES	190	IRRIGATION	2	Oct-90	30:09:57	-92:08:35	D W
4	Lafayette	-896	DUGAS, GLEN	1	RIG WATER	170	IRRIGATION	4	Sep-89	30:10:27	-92:07:08	D W
4	Lafayette	-899	MEAUX, JERRY	1	GUICHARD	250	IRRIGATION	16	Feb-90	30:10:50	-92:10:17	D W
4	Lafayette	-901	SPORT A RAMA		BROUSSARD	134	PUBLIC SUPPLY	2	Mar-91	30:11:08	-92:05:25	D W
4	Lafayette	-905	CLARK, ALCIDE		CAMPIONE	200	IRRIGATION	4	Jun-90	30:10:52	-92:08:32	D W
4	Lafayette	-914	DUSON, LA	3	AMY, M. E.	250	PUBLIC SUPPLY	8X6X6	Aug-91	30:14:07	-92:10:42	D W
4	Lafayette	-916	AC WTR & SEWER		HUVAL, BRIAN	160	PUBLIC SUPPLY	4	Oct-91	30:13:42	-92:08:28	D W
4	Lafayette	-917	BERG MECHANICAL		BILLEAUD, JAMES	80	PUBLIC SUPPLY	2	Oct-91	30:14:25	-92:04:57	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-919	RICHARD, WILLIE	1	STAMM-SCHEELE	300	IRRIGATION	16X12	Dec-92	30:11:56	-92:09:32	D W
4	Lafayette	-920	GUIDRY CONST	1	BILLEAUD'S (A)	210	PUBLIC SUPPLY	4	Sep-91	30:14:26	-92:08:27	D W
4	Lafayette	-928	DENAIS, ALVIN		CAMPIONE	240	IRRIGATION	8	Dec-91	30:10:50	-92:09:46	D W
4	Lafayette	-935	LAFAYETTE, LA	5	STAMM-SCHEELE	522	PUBLIC SUPPLY	16X10X10	Apr-94	30:10:37	-92:05:53	EDM PW
4	Lafayette	-938	LABBE, CLYDE		FOREST, SHELDON	320	IRRIGATION	10X8	Dec-95	30:13:26	-92:10:03	D W
4	Lafayette	-943	LAFAYETTE, LA	S. WTP #7	LAYNE (BR)	422	PUBLIC SUPPLY	20	Jun-96	30:10:37	-92:05:45	D W
4	Lafayette	-960	LAGNEAUX SEAFOD		GUICHARD	180	IRRIGATION	6	Oct-99	30:10:34	-92:07:24	D W
4	Lafayette	-5001Z	STUTES, MAYO		UNKNOWN	.	ABANDONED		.	30:13:02	-92:10:45	
4	Lafayette	-5004Z	ENTEX	BEGNAUD 1	WESTRO	220	PLUGGED		Apr-80	30:15:03	-92:07:25	
4	Lafayette	-5005Z	LANTIER, ABBY J		CORMIER'S	190	DOMESTIC	2	Aug-84	30:15:32	-92:08:52	D W
4	Lafayette	-5008Z	MAY PETRO	WARE 1	RIG WATER	220	PLUGGED		Jun-80	30:12:44	-92:11:38	
4	Lafayette	-5009Z	TAURUS PETRO	LF SCH BD	WESTRO	204	PLUGGED		Oct-80	30:10:18	-92:09:51	
4	Lafayette	-5012Z	MAY PETRO	GILBEAU A1	RIG WATER	180	PLUGGED		Sep-80	30:12:04	-92:05:24	
4	Lafayette	-5015Z	DYNAMIC EXPLOR	LEBLANC 1	WESTRO	200	PLUGGED	4	May-81	30:12:55	-92:06:12	D W
4	Lafayette	-5019Z	LA LAND & EXPLO	DOUCET 1	WESTRO	200	PLUGGED	4	Nov-81	30:12:47	-92:07:10	D W
4	Lafayette	-5026Z	ACADIANA ACRES	1	UNKNOWN	160	PLUGGED	4	.	30:12:46	-92:05:25	
4	Lafayette	-5027Z	ACADIANA ACRES	2	UNKNOWN	160	PLUGGED	4	.	30:12:48	-92:05:19	
4	Lafayette	-5035Z	STONE OIL CO	ROY 1	GUICHARD	210	PLUGGED		Sep-82	30:16:08	-92:09:29	
4	Lafayette	-5037Z	EXCHANGE O & G	SONNIER 1	BROWN, H.	185	PLUGGED	4	Apr-83	30:12:47	-92:09:41	D W
4	Lafayette	-5044Z	SOUTHPORT EXPLO	GUIDRY 1	RIG WATER	170	PLUGGED	4	Nov-83	30:13:10	-92:06:30	D
4	Lafayette	-5047Z	CORMIER, JAMES	ICO1	BROWN, H.	165	UNKNOWN	4	Jan-84	30:10:06	-92:07:32	D W
4	Lafayette	-5048Z	DAVIS OIL	PATIN 1	WESTRO	220	PLUGGED	4	Jan-84	30:11:06	-92:09:59	D W
4	Lafayette	-5050Z	STONE OIL CO	LF SCH BD1	WESTRO	220	PLUGGED	4	Nov-83	30:15:43	-92:09:56	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-5051Z	MAY PETRO	DUHON 1	GUICHARD	141	PLUGGED	4	Feb-84	30:12:28	-92:05:43	D
4	Lafayette	-5059Z	MAY PETRO	HUTCHINS 1	GUICHARD	180	PLUGGED	4	Mar-84	30:12:51	-92:07:45	D
4	Lafayette	-5060Z	ENTEX	BABINEAUX1	RIG WATER	220	PLUGGED	4	Oct-81	30:15:03	-92:07:42	D
4	Lafayette	-5074Z	ELSBURY, JOE	GUIDRY 1	GUICHARD	201	PLUGGED	4	Jun-84	30:12:33	-92:06:17	D
4	Lafayette	-5078Z	DAVIS OIL	RICHARD 1	WESTRO	200	PLUGGED	4	Jun-84	30:13:09	-92:09:24	D W
4	Lafayette	-5081Z	TOCE OIL	PELLERIN 1	GUICHARD	181	RIG SUPPLY	4	Dec-83	30:14:49	-92:09:52	D
4	Lafayette	-5089Z	MAY PETRO	FAULK 1	GUICHARD	147	PLUGGED		Jun-81	30:11:42	-92:05:37	D
4	Lafayette	-5096Z	STONE OIL CO	STUTES 1	GUICHARD	180	PLUGGED	4	Dec-84	30:11:04	-92:05:46	D
4	Lafayette	-5099Z	MAY PETRO	AKER 1	RIG WATER	160	PLUGGED	4	Jan-85	30:09:56	-92:07:34	D
4	Lafayette	-5100Z	MAY PETRO	HUTCHINS 2	RIG WATER	170	PLUGGED	4	Sep-84	30:12:58	-92:08:12	D
4	Lafayette	-5106Z	MAY PETRO	BOUDREAUX2	RIG WATER	150	PLUGGED	4	Feb-85	30:12:54	-92:05:38	D
4	Lafayette	-5109Z	MAY PETRO	BOUDREAUX1	RIG WATER	150	PLUGGED	4	Dec-84	30:12:41	-92:05:04	D
4	Lafayette	-5119Z	PIONEER PROD	HEBERT 1	BROWN, H.	185	PLUGGED	4	Aug-85	30:14:52	-92:06:39	D W
4	Lafayette	-5128Z	CELERON OIL-GAS	BABINEAUX1	GUICHARD	181	PLUGGED	4	Aug-85	30:16:14	-92:07:39	D W
4	Lafayette	-5137Z	PROVOST, S	SLP1	GUICHARD	141	INACTIVE	4	Dec-85	30:13:23	-92:05:43	D W
4	Lafayette	-5169Z	GAUTREAUX, RENA		CORMIER'S	110	DOMESTIC	2	May-84	30:11:22	-92:05:45	D W
4	Lafayette	-5205Z	MANUEL MOVEABLE		CORMIER'S	190	DOMESTIC	2	May-84	30:11:13	-92:10:09	D W
4	Lafayette	-5251Z	SONNIER, CHRIS		B & B	176	DOMESTIC	2	Oct-84	30:12:08	-92:11:08	D
4	Lafayette	-5256Z	BROUSSARD, H		B & B	96	DOMESTIC	2	Nov-84	30:12:27	-92:06:34	
4	Lafayette	-5258Z	LACOBIE, CATHY		CORMIER'S	120	DOMESTIC	2	Nov-84	30:15:34	-92:05:55	D W
4	Lafayette	-5270Z	BENOIT, JANE		BILLEAUD, JAMES	200	DOMESTIC	2	Mar-84	30:12:52	-92:08:32	D W
4	Lafayette	-5281Z	LYONS, CHRIS		HARGRAVE	175	DOMESTIC	2	Nov-91	30:13:32	-92:09:33	D W
4	Lafayette	-5289Z	PHIHODA, C		CORMIER'S	120	DOMESTIC	2	Jan-86	30:10:54	-92:06:09	D W
4	Lafayette	-5296Z	DUCHARME, HARLD		BILLEAUD'S (A)	100	PLUGGED	2	1981	30:09:58	-92:07:20	
4	Lafayette	-5297Z	DUCHAMPE, HARLD		BROUSSARD	124	DOMESTIC	2	Dec-91	30:09:58	-92:07:20	D W
4	Lafayette	-5331Z	BERNARD, JULES		CORMIER'S	190	DOMESTIC	2	Aug-84	30:15:03	-92:09:10	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-5335Z	AIRHART, HAROLD		CORMIER'S	100	DOMESTIC	2	Aug-84	30:12:46	-92:06:00	D W
4	Lafayette	-5341Z	SONNIER, F		CORMIER'S	230	DOMESTIC	2	Jun-84	30:13:14	-92:07:53	D W
4	Lafayette	-5345Z	COTHE, RUFUS JR		CORMIER'S	180	DOMESTIC	2	May-84	30:14:36	-92:08:42	D W
4	Lafayette	-5346Z	MANUEL MOVEABLE		CORMIER'S	190	DOMESTIC	2	May-84	30:11:12	-92:10:07	D W
4	Lafayette	-5347Z	LEBLANC, DAVID		CORMIER'S	190	DOMESTIC	2	May-84	30:11:00	-92:10:07	D W
4	Lafayette	-5358Z	GUILBEAU, SAM		CORMIER'S	100	DOMESTIC	2	Apr-87	30:11:08	-92:06:49	D W
4	Lafayette	-5368Z	BRAZZEL, RON		B & B	100	DOMESTIC	2	Nov-84	30:13:30	-92:05:01	
4	Lafayette	-5374Z	AMERICAN L & E	GOLDSBY 1	RIG WATER	180	PLUGGED	4	Jan-92	30:10:58	-92:10:47	D W
4	Lafayette	-5381Z	A & M QUICK MT		CORMIER'S	110	DOMESTIC	2	Dec-84	30:10:47	-92:06:02	D W
4	Lafayette	-5383Z	BLANCHARD, JOHN		CORMIER'S	190	DOMESTIC	2	Dec-84	30:14:57	-92:09:55	D W
4	Lafayette	-5388Z	HAUSER, KARL		CORMIER'S	90	DOMESTIC	2	Jan-85	30:12:44	-92:06:32	D W
4	Lafayette	-5393Z	STUTES, TERRY		B & G	90	DOMESTIC	2	Jan-85	30:10:54	-92:06:14	
4	Lafayette	-5394Z	GOETZMAN, LEROY		CORMIER'S	150	DOMESTIC	2	Jan-85	30:14:16	-92:07:52	D W
4	Lafayette	-5396Z	GAUTREAUX, ROG		CORMIER'S	200	DOMESTIC	2	Jan-85	30:13:39	-92:11:32	D W
4	Lafayette	-5413Z	KEY, KENITH		B & B	160	DOMESTIC	2	Feb-85	30:15:13	-92:09:12	
4	Lafayette	-5429Z	WHITE, ROBERT		BROUSSARD	106	DOMESTIC	2	Mar-85	30:13:50	-92:05:02	D W
4	Acadia	-5430Z	ARCENEAUX, N		LOUVIERE	175	DOMESTIC	2	Mar-84	30:15:48	-92:10:52	D W
4	Lafayette	-5438Z	BOUDREAUX, M		BROUSSARD	134	DOMESTIC	2	Apr-85	30:15:33	-92:06:38	D W
4	Lafayette	-5443Z	DUHON, TURNEY		CORMIER'S	186	DOMESTIC	2	Apr-85	30:12:43	-92:09:20	D W
4	Lafayette	-5460Z	PREJEAN, LEO P		CORMIER'S	185	DOMESTIC	2	Apr-85	30:13:35	-92:07:51	D W
4	Lafayette	-5464Z	BERTRAND, BART		CORMIER'S	210	DOMESTIC	2	Apr-85	30:10:55	-92:06:09	D W
4	Lafayette	-5470Z	LEBLANC, C		B & B	180	DOMESTIC	4	Apr-85	30:10:58	-92:08:19	D

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-5473Z	HOFFPAIUR, JOHN		UNKNOWN		DOMESTIC	2		30:10:49	-92:07:08	
4	Lafayette	-5477Z	SELLERS, CHRIS		BROUSSARD	130	DOMESTIC	2	May-85	30:11:11	-92:06:44	D W
4	Lafayette	-5483Z	FLURY, ALLEN		B & B	106	DOMESTIC	2	Apr-85	30:15:36	-92:05:48	D
4	Lafayette	-5505Z	BACQUE, DENNIS		CORMIER'S	190	IRRIGATION	2	Jun-85	30:13:09	-92:08:36	D W
4	Lafayette	-5515Z	CREDEUR, OPHIE		BROUSSARD	165	DOMESTIC	2	Jul-85	30:14:11	-92:07:57	D W
4	Lafayette	-5520Z	NEEDHAM, WAYNE		CORMIER'S	90	DOMESTIC	2	Apr-85	30:15:03	-92:05:26	D W
4	Lafayette	-5521Z	LAFLEUR, BUBBA		CORMIER'S	90	DOMESTIC	2	Apr-85	30:15:03	-92:05:25	D W
4	Lafayette	-5535Z	BOULEE, DARRELL		BROUSSARD	100	DOMESTIC	2	Aug-85	30:14:59	-92:05:25	D W
4	Lafayette	-5545Z	ALLEMON, JEROME		MEAUX, CARROLL	170	DOMESTIC	2	Mar-92	30:14:17	-92:09:09	D W
4	Lafayette	-5546Z	CASTILLE, CLYDE		CORMIER'S	110	DOMESTIC	2	Aug-85	30:12:04	-92:05:26	D W
4	Lafayette	-5561Z	DEGEYTAIRE, R		B & B	116	DOMESTIC	2	Aug-85	30:15:30	-92:06:30	D
4	Lafayette	-5563Z	PRATHER, RONALD		CORMIER'S	170	DOMESTIC	2	Sep-85	30:13:30	-92:09:32	D W
4	Lafayette	-5566Z	ANDERSON, TIM		CORMIER'S	170	DOMESTIC	2	Sep-85	30:15:18	-92:08:55	D W
4	Lafayette	-5567Z	MENARD, GERALD		CORMIER'S	100	DOMESTIC	2	Sep-85	30:13:22	-92:05:20	D W
4	Lafayette	-5572Z	ANCELET, ELMO		BROUSSARD	146	DOMESTIC	2	Oct-85	30:16:06	-92:06:51	D
4	Lafayette	-5573Z	MENARD, JOHN D		BROUSSARD	200	DOMESTIC	2	Oct-85	30:15:24	-92:08:49	D W
4	Lafayette	-5598Z	CONNIES BEAUTY		BROUSSARD	220	DOMESTIC	2	Nov-85	30:11:43	-92:08:47	D W
4	Lafayette	-5603Z	WHITTINGTON, C	CJW 1	GUICHARD	160	IRRIGATION	4	Mar-92	30:10:20	-92:06:45	D W
4	Lafayette	-5609Z	CASTILLE, L		CORMIER'S	120	DOMESTIC	2	Nov-85	30:11:06	-92:05:38	D W
4	Lafayette	-5610Z	SARAHS DAY CARE		UNKNOWN	140	PLUGGED	2		30:11:54	-92:04:56	
4	Lafayette	-5643Z	WALTERS, BILL		CORMIER'S	170	DOMESTIC	2	Dec-85	30:13:46	-92:07:23	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-5648Z	BOUDREAUX, CLAY		CORMIER'S	170	DOMESTIC	2	Dec-85	30:13:44	-92:07:27	D W
4	Lafayette	-5672Z	MAY PETRO	CASTILLE 1	RIG WATER	150	RIG SUPPLY	4	Jul-84	30:11:58	-92:05:51	D
4	Lafayette	-5674Z	LF SCHOOL BOARD	JUDICE1	STAMM-SCHEELE	240	PLUGGED		Oct-60	30:10:02	-92:08:25	
4	Lafayette	-5677Z	THIBODEAUX, O J		CORMIER'S	130	DOMESTIC	2	Jan-86	30:15:45	-92:06:26	D W
4	Lafayette	-5693Z	WINTERSHALL OIL	MAYER 1	GUICHARD	181	RIG SUPPLY	4	Jan-86	30:14:26	-92:06:46	D W
4	Lafayette	-5703Z	WIMBLEDON APTS		UNKNOWN	120	PLUGGED		1980	30:11:45	-92:06:07	
4	Lafayette	-5713Z	BOUDREAUX, T		BILLEAUD, JAMES	140	DOMESTIC	2	Jan-86	30:15:13	-92:06:14	D W
4	Lafayette	-5714Z	VERNONIE, PHIL		BILLEAUD, JAMES	200	DOMESTIC	2	Feb-86	30:15:20	-92:08:39	D W
4	Lafayette	-5730Z	DEJACQUES, R D		UNKNOWN	105	PLUGGED			30:12:49	-92:05:24	
4	Lafayette	-5740Z	THIBODEAUX, HIL		CORMIER'S	106	DOMESTIC	2	Mar-86	30:15:06	-92:05:11	D W
4	Lafayette	-5744Z	COMMERCE BANK		CORMIER'S	100	DOMESTIC	2	Mar-86	30:12:33	-92:06:36	D W
4	Lafayette	-5751Z	DAIGLE, DAVID		B & B	100	DOMESTIC	2	Mar-86	30:13:20	-92:06:15	D W
4	Lafayette	-5759Z	J S R BUILDERS		BROUSSARD	200	DOMESTIC	2	Apr-86	30:11:10	-92:10:09	D W
4	Lafayette	-5766Z	HUNT OIL	SHANNON 1	GUICHARD	181	PLUGGED	4	Apr-86	30:13:20	-92:10:49	D W
4	Lafayette	-5796Z	TALBOT, MIKE		CORMIER'S	210	DOMESTIC	2	Apr-86	30:12:50	-92:07:30	D W
4	Lafayette	-5797Z	DOMINQUE, NARCI		UNKNOWN	170	PLUGGED			30:10:53	-92:09:43	
4	Lafayette	-5801Z	DOMINGUE, NARCI		B & B	170	DOMESTIC	2	Jun-84	30:10:53	-92:09:43	D
4	Lafayette	-5820Z	HANKS, DANIEL		HUVAL, BRIAN	200	DOMESTIC	2	May-92	30:14:22	-92:11:39	D W
4	Lafayette	-5825Z	KENNYS BARBER		BROUSSARD	190	DOMESTIC	2	May-86	30:11:20	-92:10:19	D W
4	Lafayette	-5836Z	BROSSETTE, TOM		HUVAL, BRIAN	210	DOMESTIC	2	May-92	30:14:20	-92:11:42	D W
4	Lafayette	-5846Z	SKIPPER, JERRY		BROUSSARD	200	DOMESTIC	2	Jun-86	30:10:53	-92:10:05	D W
4	Lafayette	-5867Z	HEBERT, JOHN		CORMIER'S	210	DOMESTIC	2	Jun-86	30:11:11	-92:08:38	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-5871Z	ALLEMAN, ROY		BILLEAUD, JAMES	200	DOMESTIC	2	May-86	30:13:27	-92:08:33	D W
4	Lafayette	-5873Z	ANDERSON, CLAUD		BILLEAUD, JAMES	200	DOMESTIC	2	Jun-86	30:14:18	-92:08:29	D W
4	Lafayette	-5876Z	DOMINGUE, C		BILLEAUD, JAMES	210	DOMESTIC	2	May-86	30:10:53	-92:09:26	D W
4	Lafayette	-5878Z	DUPONT, MERVINE		BILLEAUD, JAMES	100	DOMESTIC	2	Jun-86	30:13:34	-92:05:05	D W
4	Lafayette	-5886Z	GASPARD, JIMMY		BROUSSARD	164	DOMESTIC	2	Jul-86	30:15:47	-92:08:33	D W
4	Lafayette	-5887Z	BLANCHARD, VIOL		CORMIER'S	110	DOMESTIC	2	Jun-86	30:12:54	-92:06:30	D W
4	Lafayette	-5912Z	WEBER, GLEN		CORMIER'S	110	DOMESTIC	2	Aug-86	30:15:24	-92:06:27	D W
4	Lafayette	-5914Z	SONNIER, PIERRE		BROUSSARD	180	DOMESTIC	2	Aug-86	30:15:29	-92:07:55	D W
4	Acadia	-5916Z	CHAUMONT, ROB		CORMIER'S	176	DOMESTIC	2	Apr-85	30:15:17	-92:10:36	D W
4	Lafayette	-5924Z	SONNIER, STANLY		UNKNOWN	160	PLUGGED		1966	30:14:16	-92:07:54	
4	Lafayette	-5925Z	SONNIER, STANLY		B & B	160	DOMESTIC	2	Jul-86	30:14:16	-92:07:54	D W
4	Lafayette	-5931Z	LEBLANC, HAYWOO		MEAUX, CARROLL	185	DOMESTIC	2	May-94	30:14:10	-92:09:04	D W
4	Lafayette	-5933Z	FONTENOT, DALAS		BROUSSARD	103	DOMESTIC	2	Aug-86	30:12:28	-92:06:04	D W
4	Lafayette	-5935Z	GAUTHIER & MATH		BROUSSARD	90	DOMESTIC	2	Aug-86	30:12:34	-92:06:33	D W
4	Lafayette	-5969Z	SMITH, KENITH		B & B	160	DOMESTIC	2	Sep-86	30:16:13	-92:09:22	D W
4	Lafayette	-5987Z	CLIFF DRLG	PITT 1	WESTRO	220	PLUGGED	4	Oct-86	30:15:16	-92:06:05	D W
4	Lafayette	-6003Z	HALLWOOD PETRO	GOSSEN 1	GUICHARD	167	PLUGGED	4	Nov-91	30:12:23	-92:04:34	D W
4	Lafayette	-6025Z	SENIOR DRLG	THIBODEAU1	BROWN, H.	205	PLUGGED	4	Feb-87	30:15:09	-92:10:16	D W
4	Lafayette	-6055Z	ARCO OIL & GAS	FOREMAN 2	RIG WATER	140	PLUGGED	4	Jan-92	30:12:06	-92:06:06	D W
4	Lafayette	-6090Z	SPIKES, CRAIG		BILLEAUD, JAMES	80	DOMESTIC	2	Jul-86	30:12:35	-92:06:34	D W
4	Lafayette	-6091Z	HOLLIER, DAVID		BILLEAUD, JAMES	210	DOMESTIC	2	Feb-87	30:11:58	-92:08:42	D W

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-6092Z	GUILLBEAU, RON		BILLEAUD, JAMES	90	DOMESTIC	2	Jan-87	30:12:03	-92:05:28	D W
4	Lafayette	-6095Z	MARTINEZ, WIL		BROUSSARD	230	DOMESTIC	2	Apr-87	30:11:28	-92:07:38	D W
4	Lafayette	-6098Z	CORMIER, ROBERT		BILLEAUD, JAMES	140	DOMESTIC	2	Sep-86	30:16:13	-92:06:40	D W
4	Lafayette	-6100Z	GUIDRY, ANDREW		BILLEAUD, JAMES	100	DOMESTIC	2	Dec-86	30:13:14	-92:06:54	D W
4	Lafayette	-6111Z	UNIVERSAL PROD		BILLEAUD, JAMES	110	DOMESTIC	2	Apr-87	30:14:19	-92:04:58	D W
4	Lafayette	-6112Z	SIGNORILLI, ARL		BILLEAUD, JAMES	110	DOMESTIC	2	Apr-87	30:11:06	-92:06:48	D W
4	Lafayette	-6120Z	THIBODEAUX, HIL		PELLERIN'S	90	DOMESTIC	2	Jun-87	30:11:59	-92:06:34	D W
4	Lafayette	-6138Z	FORD, FRANK R		B & B	180	PLUGGED		Mar-72	30:16:02	-92:06:43	
4	Lafayette	-6148Z	STANLEY, CLINT		BILLEAUD'S (A)	120	DOMESTIC	2	May-87	30:13:21	-92:08:00	D W
4	Lafayette	-6152Z	STANLEY, CLINT		UNKNOWN	120	PLUGGED		.	30:13:21	-92:08:00	
4	Lafayette	-6153Z	ELSBURY, JOE	DUHON 1	WESTRO	200	RIG SUPPLY	4	Aug-87	30:10:46	-92:06:44	D W
4	Lafayette	-6154Z	BROOKLYN UNION	BOUDREAUX1	GUICHARD	161	PLUGGED	4	Sep-87	30:13:13	-92:05:32	D W
4	Lafayette	-6159Z	ALLEMAN, RONNIE		PELLERIN'S	145	DOMESTIC	2	Aug-87	30:13:33	-92:06:56	D W
4	Lafayette	-6173Z	DAVIS PETROLEUM	HUTCHINS 1	GUICHARD	181	PLUGGED	4	Sep-87	30:13:08	-92:10:03	D
4	Lafayette	-6209Z	SABINE CORP	JUDICE 1	BROWN, H.	205	PLUGGED	4	Nov-87	30:10:33	-92:09:21	D W
4	Lafayette	-6238Z	BIENVENUE, M		PELLERIN'S	90	DOMESTIC	2	Jan-88	30:11:47	-92:06:02	D W
4	Lafayette	-6244Z	BROUSSARD, MILT		PELLERIN'S	86	DOMESTIC	2	Feb-88	30:11:37	-92:06:02	D W
4	Lafayette	-6253Z	LANCLOS, MOISE		BROUSSARD	210	DOMESTIC	2	Mar-88	30:15:28	-92:07:50	D W
4	Lafayette	-6270Z	POOLE, PAUL		MEAUX, CARROLL	170	DOMESTIC	2	Jun-92	30:13:49	-92:08:15	D W
4	Lafayette	-6280Z	HEBERT, JOHN		MEAUX, CARROLL	140	DOMESTIC	2	May-92	30:12:45	-92:07:43	D W
4	Lafayette	-6283Z	GORDON, SCOTT		B & B	146	DOMESTIC	2	Apr-88	30:14:48	-92:10:01	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Acadia	-6285Z	ROSINSKI, EUGEN		PELLERIN'S	180	DOMESTIC	4	Jun-89	30:15:11	-92:10:37	D W
4	Lafayette	-6297Z	SIMON, RENE		BILLEAUD, JAMES	100	DOMESTIC	2	Feb-88	30:10:18	-92:07:31	D W
4	Lafayette	-6298Z	LEBLANC, RODNEY		BILLEAUD, JAMES	180	DOMESTIC	2	Feb-88	30:13:38	-92:11:12	D W
4	Lafayette	-6299Z	BABINEAUX, JOHN		BILLEAUD, JAMES	160	DOMESTIC	2	Feb-88	30:15:11	-92:07:32	D W
4	Lafayette	-6300Z	DOMINGUE, CINDY		BILLEAUD, JAMES	170	DOMESTIC	2	Feb-88	30:15:10	-92:07:28	D W
4	Lafayette	-6306Z	LAGRANGE, RAY		BILLEAUD, JAMES	190	DOMESTIC	2	May-88	30:13:37	-92:06:04	D W
4	Lafayette	-6329Z	CASTILLE, L J		PELLERIN'S	90	DOMESTIC	2	Jun-88	30:12:05	-92:05:31	D W
4	Lafayette	-6331Z	TABB, WILBERT		BROUSSARD	214	DOMESTIC	2	Jun-92	30:13:20	-92:08:06	D W
4	Lafayette	-6335Z	BABINEAUX, JOHN		UNKNOWN	160	PLUGGED	2	.	30:15:11	-92:07:32	
4	Lafayette	-6343Z	NAVARRE, PATTY		PELLERIN'S	90	DOMESTIC	2	Aug-88	30:14:14	-92:04:51	D W
4	Lafayette	-6349Z	KOA CAMPGROUND		UNKNOWN	140	PLUGGED	4	.	30:14:47	-92:06:39	
4	Lafayette	-6350Z	KOA CAMPGROUND		UNKNOWN	140	PLUGGED	4	.	30:14:47	-92:06:39	
4	Lafayette	-6351Z	KOA CAMPGROUND		UNKNOWN	180	PLUGGED	6	.	30:14:47	-92:06:39	
4	Lafayette	-6352Z	KOA CAMPGROUND		UNKNOWN	180	PLUGGED	6	.	30:14:47	-92:06:39	
4	Lafayette	-6359Z	ELSBURY PROD	LABNEAUX 1	RIG WATER	210	RIG SUPPLY	6	Sep-88	30:10:49	-92:07:10	D W
4	Lafayette	-6360Z	LINDER OIL	ARCENEAUX1	RIG WATER	170	PLUGGED	4	Sep-88	30:13:13	-92:09:12	D W
4	Lafayette	-6367Z	BABINEAUX, MARK		B & B	115	DOMESTIC	2	Sep-88	30:16:12	-92:07:43	D W
4	Lafayette	-6380Z	DOMINGUE, KEVIN		BILLEAUD, JAMES	110	DOMESTIC	2	Oct-88	30:12:55	-92:06:17	D W
4	Lafayette	-6385Z	SHAFER, ED		UNKNOWN	100	PLUGGED		1966	30:12:12	-92:05:33	
4	Lafayette	-6386Z	SHAFER, ED		B & B	106	DOMESTIC	2	Oct-88	30:12:12	-92:05:33	D W
4	Lafayette	-6400Z	ELSBURY PROD	LAGNEAUX 2	RIG WATER	150	RIG SUPPLY	4	Dec-88	30:10:50	-92:07:08	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-6403Z	ROBIN, KEVIN		BILLEAUD, JAMES	210	DOMESTIC	2	Nov-88	30:12:54	-92:10:29	D W
4	Lafayette	-6409Z	BERNARD, DAVIS		UNKNOWN	160	PLUGGED		.	30:15:17	-92:09:25	
4	Lafayette	-6410Z	BERNARD, DAVIS		BILLEAUD, JAMES	170	DOMESTIC	2	Nov-88	30:15:17	-92:09:25	D W
4	Lafayette	-6428Z	LF POLICE JURY	1	STAMM-SCHEELE	116	PLUGGED		Dec-83	30:16:16	-92:07:35	
4	Lafayette	-6429Z	LF POLICE JURY	2	STAMM-SCHEELE	116	PLUGGED		Dec-83	30:16:16	-92:07:35	
4	Lafayette	-6440Z	ELSBURY & ACKER	LANDRY 1	RIG WATER	150	PLUGGED	4	Mar-89	30:11:52	-92:05:55	D W
4	Lafayette	-6441Z	MEAUX, MICHAEL		BILLEAUD, JAMES	180	DOMESTIC	2	Mar-89	30:15:36	-92:08:34	D W
4	Lafayette	-6446Z	DUGAS, MIKE		BILLEAUD, JAMES	190	DOMESTIC	2	Mar-89	30:14:48	-92:10:02	D W
4	Lafayette	-6467Z	SIMON, RENE		UNKNOWN	.	PLUGGED		.	30:10:18	-92:07:31	
4	Lafayette	-6470Z	DUPONT, MERVINE		UNKNOWN	.	PLUGGED	2	.	30:13:34	-92:05:05	
4	Lafayette	-6473Z	BLANCHARD, VIOL		UNKNOWN	.	PLUGGED		.	30:12:54	-92:06:30	
4	Lafayette	-6485Z	STUTES, JEFFREY		UNKNOWN	.	PLUGGED		.	30:15:05	-92:05:21	
4	Lafayette	-6491Z	BERNARD, KERRY		BILLEAUD, JAMES	180	DOMESTIC	2	Apr-89	30:14:36	-92:08:36	D W
4	Lafayette	-6493Z	SMITH, KEVIN		BILLEAUD, JAMES	210	DOMESTIC	2	Apr-89	30:12:43	-92:09:55	D W
4	Lafayette	-6495Z	COURVILLE, P A		B & B	160	DOMESTIC	2	Apr-89	30:16:29	-92:08:13	D W
4	Lafayette	-6508Z	COOK, LEE		UNKNOWN	.	DOMESTIC		.	30:11:43	-92:08:01	
4	Lafayette	-6509Z	SPIKES, CRAIG		UNKNOWN	80	PLUGGED		.	30:12:35	-92:06:34	
4	Lafayette	-6513Z	BROUSSARD, MILT		UNKNOWN	.	ABANDONED		.	30:11:37	-92:06:02	
4	Lafayette	-6525Z	MARBROUGH, RICK		PELLERIN'S	100	DOMESTIC	2	May-89	30:13:46	-92:04:47	D W
4	Lafayette	-6528Z	STRINGER, CHAS		UNKNOWN	.	PLUGGED		.	30:12:13	-92:05:57	
4	Lafayette	-6541Z	BERNARD, DAVIS		UNKNOWN	.	PLUGGED		.	30:15:16	-92:09:23	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-6552Z	NAVARRE, PATTY		UNKNOWN	.	PLUGGED		.	30:14:14	-92:04:51	
4	Lafayette	-6553Z	STONE OIL CO	STUTES 1	GUICHARD	141	PLUGGED	4	Dec-84	30:11:04	-92:05:46	D
4	Lafayette	-6554Z	DIAMOND SHAMROC	MW-1	PSI/PTL	28	MONITOR		May-89	30:12:39	-92:04:32	D
4	Lafayette	-6558Z	MALBROUGH, RICK		UNKNOWN	100	PLUGGED	2	.	30:13:43	-92:04:47	
4	Acadia	-6568Z	ROSINSKI, EUGEN		UNKNOWN	.	PLUGGED	4	.	30:15:12	-92:10:39	
4	Lafayette	-6578Z	TERRO, ELGIN		BILLEAUD, JAMES	200	DOMESTIC	2	Aug-89	30:14:42	-92:10:05	D W
4	Lafayette	-6580Z	HANKS, ANTHONY		BILLEAUD, JAMES	180	DOMESTIC	2	Aug-89	30:13:33	-92:10:24	D W
4	Lafayette	-6602Z	SEAUX, ALVIN		UNKNOWN	140	PLUGGED		.	30:14:03	-92:07:29	
4	Lafayette	-6603Z	QUINOCO PETRO	BOUDREAUX1	RIG WATER	140	PLUGGED	4	Sep-89	30:12:35	-92:05:44	D W
4	Lafayette	-6604Z	TRIPLE A REAL		UNKNOWN	80	PLUGGED		.	30:12:12	-92:05:58	
4	Lafayette	-6613Z	BABINEAUX, J		UNKNOWN	.	DOMESTIC	2	.	30:15:18	-92:07:32	
4	Lafayette	-6627Z	LANDRY, BOB		BILLEAUD, JAMES	220	DOMESTIC	2	Sep-88	30:13:44	-92:07:52	D W
4	Lafayette	-6636Z	AMOCO PROD CO	JWG1	BROWN, H.	185	PLUGGED	4	Oct-89	30:10:55	-92:10:46	D W
4	Lafayette	-6648Z	LEQUE, FREDDY		BROUSSARD	218	DOMESTIC	2	Nov-89	30:15:11	-92:08:34	D W
4	Lafayette	-6655Z	HOTARD, STEVE		PELLERIN'S	90	DOMESTIC	2	Oct-89	30:12:11	-92:05:50	D W
4	Lafayette	-6669Z	PACIFIC ENTERPR	GUIDRY 1	RIG WATER	170	PLUGGED	4	Dec-89	30:14:44	-92:08:40	D W
4	Lafayette	-6681Z	COASTAL OIL-GAS	RICHARD 1	RIG WATER	150	PLUGGED	4	Feb-90	30:12:34	-92:08:55	D W
4	Lafayette	-6687Z	GUIDRY, AUBREY		UNKNOWN	.	PLUGGED		.	30:12:07	-92:06:30	
4	Lafayette	-6688Z	GUIDRY, AUBREY		UNKNOWN	.	PLUGGED		.	30:12:07	-92:06:30	
4	Lafayette	-6689Z	GUIDRY, AUBREY		BILLEAUD, JAMES	100	DOMESTIC	2	Feb-90	30:12:07	-92:06:30	D W
4	Lafayette	-6691Z	TRAHAN, DALTON		BILLEAUD, JAMES	190	DOMESTIC	2	Feb-90	30:11:22	-92:08:40	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-6699Z	CLARK, MURPHY		UNKNOWN	.	PLUGGED		.	30:11:12	-92:08:32	
4	Lafayette	-6700Z	CLARK, MURPHY		BROUSSARD	206	DOMESTIC	2	Mar-90	30:11:12	-92:08:32	D W
4	Lafayette	-6715Z	BOLLICH, RAYMON		UNKNOWN	.	PLUGGED		.	30:13:53	-92:05:03	
4	Lafayette	-6723Z	NORRIS, CHARLES		PELLERIN'S	200	DOMESTIC	2	Mar-90	30:13:44	-92:07:23	D W
4	Lafayette	-6740Z	BORISON, DAVID		BILLEAUD, JAMES	180	DOMESTIC	2	Apr-90	30:13:31	-92:10:24	D W
4	Lafayette	-6744Z	JENKINS, TINA		MEAUX, CARROLL	110	DOMESTIC	2	Jan-93	30:13:32	-92:05:58	D W
4	Lafayette	-6759Z	TRIUNION DEVEL	CREDEUR 1	RIG WATER	190	RIG SUPPLY	4	Jul-92	30:12:58	-92:09:27	D W
4	Lafayette	-6763Z	ENERGY DEVELOP	LF SCH BD1	BROWN, H.	265	PLUGGED	4	May-90	30:15:51	-92:09:47	D W
4	Lafayette	-6769Z	SIMON, KENNETH		BILLEAUD, JAMES	220	DOMESTIC	2	May-90	30:11:57	-92:10:45	D W
4	Lafayette	-6779Z	TALBOT, MIKE		BILLEAUD, JAMES	90	DOMESTIC	2	Jun-90	30:12:49	-92:06:33	D W
4	Lafayette	-6787Z	PUMPELLY INC	P1-A	BERNHARDT	15	PLUGGED		May-90	30:10:50	-92:05:55	D
4	Lafayette	-6788Z	PUMPELLY INC	P2-A	BERNHARDT	18	PLUGGED		May-90	30:10:50	-92:05:55	D
4	Lafayette	-6789Z	PUMPELLY INC	P3-A	BERNHARDT	14	PLUGGED		May-90	30:10:50	-92:05:55	D
4	Lafayette	-6790Z	PUMPELLY INC	P4-A	BERNHARDT	10	PLUGGED		May-90	30:10:50	-92:05:55	D W
4	Lafayette	-6791Z	PUMPELLY INC	P5-A	BERNHARDT	13	PLUGGED		May-90	30:10:50	-92:05:55	D
4	Lafayette	-6792Z	PUMPELLY INC	P6-A	BERNHARDT	10	PLUGGED		May-90	30:10:50	-92:05:55	D
4	Lafayette	-6793Z	PUMPELLY INC	MW-1A	BERNHARDT	33	PLUGGED	4	Mar-90	30:10:50	-92:05:55	D W
4	Lafayette	-6794Z	PUMPELLY INC	MW-2A	BERNHARDT	20	PLUGGED	4	Mar-90	30:10:50	-92:05:55	D
4	Lafayette	-6795Z	PUMPELLY INC	MW-3A	BERNHARDT	20	PLUGGED	4	Mar-90	30:10:50	-92:05:55	D W
4	Lafayette	-6813Z	HALLWOOD PETRO	AKER 1	GUICHARD	160	PLUGGED	4	Jul-92	30:09:53	-92:07:33	D W
4	Lafayette	-6832Z	BOURQUE, PEARLY		CORMIER'S	120	DOMESTIC	2	Apr-87	30:15:45	-92:06:25	D W
4	Lafayette	-6833Z	RICHARD, JESSIE		BILLEAUD, JAMES	210	DOMESTIC	2	Mar-87	30:13:33	-92:10:22	D W
4	Lafayette	-6834Z	HEBERT, JOHN		PELLERIN'S	170	DOMESTIC	2	Jun-87	30:12:40	-92:08:31	D W
4	Lafayette	-6835Z	RHYMES, INEZ		PELLERIN'S	160	DOMESTIC	2	May-88	30:13:31	-92:09:43	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-6836Z	TRAHAN, WILSON		PELLERIN'S	200	DOMESTIC	2	Jun-88	30:13:00	-92:08:39	D W
4	Lafayette	-6837Z	DOMINGUE, HARRY		PELLERIN'S	110	DOMESTIC	2	Sep-88	30:12:44	-92:08:27	D W
4	Lafayette	-6838Z	VENABLE, CLARA		PELLERIN'S	110	DOMESTIC	2	Apr-89	30:10:10	-92:08:06	D W
4	Lafayette	-6839Z	ROY, KELLY		PELLERIN'S	190	DOMESTIC	2	Apr-89	30:14:44	-92:10:02	D W
4	Lafayette	-6840Z	CORMIER, DAVID		PELLERIN'S	145	DOMESTIC	2	May-89	30:13:41	-92:06:42	D W
4	Lafayette	-6846Z	GUIDRY, HARRY		UNKNOWN	.	DOMESTIC	2	1978	30:12:49	-92:08:32	
4	Lafayette	-6847Z	RHYMES, INEZ		UNKNOWN	.	DOMESTIC	2	.	30:13:31	-92:09:43	
4	Lafayette	-6860Z	HALLWOOD PETRO	BOUDREAUX1	RIG WATER	160	PLUGGED	4	Sep-90	30:12:27	-92:05:09	D W
4	Lafayette	-6865Z	DUHON, SANDY		BROUSSARD	126	DOMESTIC	2	Sep-90	30:10:01	-92:07:09	D W
4	Lafayette	-6882Z	MAPCO PETRO	W-1	SOIL TESTING	17	MONITOR	2	Oct-90	30:13:54	-92:05:04	D W
4	Lafayette	-6883Z	MAPCO PETRO	W-2	SOIL TESTING	17	MONITOR	2	Oct-90	30:13:54	-92:05:04	D W
4	Lafayette	-6886Z	RUTHERFORD, BOB		UNKNOWN	.	INACTIVE	2	.	30:14:04	-92:08:06	
4	Lafayette	-6905Z	GATZA, EDWARD		BILLEAUD, JAMES	200	DOMESTIC	2	Nov-90	30:09:57	-92:09:58	D W
4	Lafayette	-6906Z	CUSTOM REALTY		UNKNOWN	.	PLUGGED		.	30:09:57	-92:09:58	
4	Lafayette	-6907Z	GOODRICH - KEYS	LF SCH BD1	RIG WATER	210	PLUGGED	4	Nov-90	30:15:27	-92:09:49	D W
4	Lafayette	-6924Z	PACIFIC ENTERPR	RICHARD 2	RIG WATER	170	PLUGGED	4	Oct-90	30:12:26	-92:07:34	D W
4	Lafayette	-6942Z	RILEY, JESSICA		UNKNOWN	.	DOMESTIC	2	.	30:12:31	-92:06:31	
4	Lafayette	-6953Z	GREAT WESTERN	1ST INTER1	RIG WATER	160	PLUGGED	4	Feb-91	30:13:07	-92:04:43	D W
4	Lafayette	-6971Z	LEBLANC, LEO		PELLERIN'S	120	DOMESTIC	2	Nov-90	30:13:40	-92:06:48	D W
4	Lafayette	-6974Z	PERKINS, LARRY		PELLERIN'S	140	DOMESTIC	2	Oct-90	30:14:14	-92:08:26	D W
4	Lafayette	-7015Z	LAFAYETTE WELL		BILLEAUD, JAMES	175	DOMESTIC	4	Apr-91	30:16:05	-92:09:24	D W
4	Lafayette	-7021Z	BROUSSARD, LEO		UNKNOWN	.	PLUGGED	2	.	30:13:28	-92:07:20	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-7025Z	BROUSSARD, LEOD		PELLERIN'S	100	DOMESTIC	2	May-90	30:13:28	-92:07:20	D W
4	Lafayette	-7032Z	GAUTHIER, ROGER		PELLERIN'S	120	DOMESTIC	2	Apr-91	30:13:23	-92:07:35	D W
4	Acadia	-7034Z	BREAUX, STEVEN		UNKNOWN	.	ABANDONED	2	.	30:14:34	-92:11:58	
4	Lafayette	-7038Z	LEGER, JAMES SR		BILLEAUD, JAMES	80	DOMESTIC	2	Jun-90	30:14:33	-92:08:20	D W
4	Lafayette	-7062Z	MAHER, THOMAS		BILLEAUD, JAMES	100	DOMESTIC	2	Aug-91	30:12:12	-92:08:45	D W
4	Lafayette	-7070Z	LEGER, FOREST		PELLERIN'S	130	DOMESTIC	2	May-91	30:12:46	-92:07:39	D W
4	Lafayette	-7076Z	CORMIER, ELI		PELLERIN'S	180	DOMESTIC	2	Oct-90	30:12:05	-92:12:07	D W
4	Lafayette	-7078Z	ROY, DONALD		PELLERIN'S	170	DOMESTIC	2	Sep-90	30:14:11	-92:09:06	D W
4	Lafayette	-7079Z	MELACON, WADE		PELLERIN'S	180	DOMESTIC	2	Nov-90	30:14:55	-92:10:29	D W
4	Lafayette	-7097Z	CORMIER, ELI		PELLERIN'S	160	PLUGGED	2	Oct-90	30:12:05	-92:12:07	
4	Lafayette	-7098Z	CORMIER, ELI		PELLERIN'S	160	PLUGGED	2	Oct-90	30:12:05	-92:12:07	
4	Lafayette	-7120Z	WELLHEADS		UNKNOWN	80	PLUGGED	2	.	30:14:22	-92:06:27	
4	Lafayette	-7121Z	DIAMOND SHAMROC	MW-1	IT CORPORATION	35	PLUGGED	4	Mar-91	30:12:38	-92:04:31	W
4	Lafayette	-7122Z	DIAMOND SHAMROC	MW-2	IT CORPORATION	35	PLUGGED	4	Mar-91	30:12:38	-92:04:31	W
4	Lafayette	-7123Z	DIAMOND SHAMROC	MW-3	IT CORPORATION	35	PLUGGED	4	Mar-91	30:12:38	-92:04:31	W
4	Lafayette	-7124Z	DIAMOND SHAMROC	MW-4	IT CORPORATION	35	PLUGGED	4	Mar-91	30:12:38	-92:04:31	W
4	Lafayette	-7134Z	MORELLO, TONY		BROUSSARD	100	DOMESTIC	2	Jul-91	30:12:44	-92:06:27	D W
4	Lafayette	-7137Z	COGANS, JEFF		PELLERIN'S	160	DOMESTIC	2	Jul-91	30:13:33	-92:09:35	D W
4	Lafayette	-7141Z	ARCO OIL & GAS	FOREMAN 1	RIG WATER	140	PLUGGED	4	Jul-91	30:12:06	-92:06:01	D W
4	Lafayette	-7155Z	DANTEX OIL-GAS	SPELL 1	RIG WATER	210	PLUGGED	4	Jul-91	30:13:57	-92:07:23	D W
4	Acadia	-7164Z	BREAUX, STEVEN		CAMPIONE	210	IRRIGATION	4	May-94	30:14:34	-92:11:58	D W
4	Lafayette	-7165Z	CAMPBELL, KARLD		UNKNOWN	60	PLUGGED	6	.	30:13:19	-92:08:35	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-7167Z	DUHON, LINDA		MEAUX, CARROLL	170	DOMESTIC	2	Jul-91	30:13:13	-92:08:22	D W
4	Lafayette	-7168Z	CAMPBELL, KARLA		BILLEAUD, JAMES	200	DOMESTIC	2	Aug-91	30:13:19	-92:08:35	D W
4	Lafayette	-7174Z	STOURES, CARL		MEAUX, CARROLL	160	DOMESTIC	2	Sep-91	30:15:37	-92:08:35	D W
4	Lafayette	-7175Z	KOCH, JOHN		PELLERIN'S	180	DOMESTIC	2	Jul-92	30:15:18	-92:09:36	D W
4	Lafayette	-7186Z	POGO PRODUCING	HUVAL 1	GUICHARD	140	PLUGGED	4	Apr-97	30:11:25	-92:05:53	D W
4	Lafayette	-7202Z	GUIDRY, CHAD		CORMIER'S	110	DOMESTIC	2	Apr-87	30:15:09	-92:05:25	D W
4	Lafayette	-7225Z	BROSSETTE, TOM	2	HUVAL, BRIAN	190	DOMESTIC	2	Oct-91	30:14:21	-92:11:43	D W
4	Lafayette	-7227Z	BROSSETTE, TOM	1	HUVAL, BRIAN	190	DOMESTIC	2	Oct-91	30:14:20	-92:11:37	D W
4	Lafayette	-7228Z	ROGER, BOBBY LE		HUVAL, BRIAN	190	DOMESTIC	2	Oct-91	30:14:22	-92:11:37	D W
4	Lafayette	-7231Z	LEGER, HANSON		PELLERIN'S	140	DOMESTIC	2	Jun-92	30:12:45	-92:07:40	D W
4	Lafayette	-7236Z	LEGER, JAMES SR		BILLEAUD, JAMES	.	DOMESTIC	2	1970	30:14:31	-92:08:18	
4	Lafayette	-7254Z	LEGER, NORRIS		PELLERIN'S	180	DOMESTIC	2	Aug-92	30:15:27	-92:07:16	D W
4	Lafayette	-7260Z	DEMETTE, TONYA		CAMPIONE	205	DOMESTIC	2	Aug-92	30:11:02	-92:07:35	D W
4	Lafayette	-7272Z	LEGER, RANDALL		MEAUX, CARROLL	180	DOMESTIC	4	Jul-92	30:13:49	-92:08:58	D W
4	Lafayette	-7278Z	DUHON, SANDY		UNKNOWN	.	PLUGGED	2	.	30:10:01	-92:07:09	
4	Lafayette	-7288Z	BAUDIN, LENNIS		PELLERIN'S	190	DOMESTIC	2	Aug-92	30:14:19	-92:09:05	D W
4	Lafayette	-7303Z	CHAPMAN, RAY		BROUSSARD	112	DOMESTIC	2	Aug-92	30:11:50	-92:06:01	D W
4	Lafayette	-7314Z	DUCHARME, HARLD		UNKNOWN	.	DOMESTIC	2	.	30:09:58	-92:07:20	
4	Lafayette	-7315Z	ROBERTS, KEVIN		BILLEAUD, JAMES	170	DOMESTIC	2	Sep-92	30:13:20	-92:08:06	W
4	Lafayette	-7317Z	RICHARD, ALICE		UNKNOWN	160	PLUGGED	2	.	30:11:58	-92:10:44	
4	Lafayette	-7318Z	RICHARD, ALICE		MEAUX, CARROLL	200	DOMESTIC	2	Oct-92	30:11:58	-92:10:44	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-7319Z	ROY, TERRY R		MEAUX, CARROLL	180	DOMESTIC	2	Sep-92	30:14:02	-92:08:42	D W
4	Lafayette	-7326Z	LBM DISTRIBUTOR	MW-4	ACADIAN	20	PLUGGED	4	Oct-92	30:14:03	-92:10:37	D W
4	Lafayette	-7330Z	CLARK, ALCIDE		UNKNOWN	190	PLUGGED	2	.	30:10:51	-92:08:32	
4	Lafayette	-7331Z	JUDICE, CLYDE		UNKNOWN	.	DOMESTIC	2	.	30:11:31	-92:09:03	
4	Lafayette	-7332Z	JUDICE, CLYDE		BILLEAUD WTR	.	DOMESTIC	2	.	30:10:52	-92:07:27	
4	Lafayette	-7335Z	CLARK, ALCIDE		UNKNOWN	.	DOMESTIC	2	.	30:10:51	-92:08:32	
4	Lafayette	-7336Z	TRIUNION DEVEL	FALCON 1	RIG WATER	170	RIG SUPPLY	4	Nov-92	30:12:06	-92:07:44	D W
4	Lafayette	-7364Z	LAVIOHETTE, C		BROUSSARD	175	DOMESTIC	2	Apr-93	30:11:52	-92:06:02	D W
4	Lafayette	-7369Z	HARSON, STEVE		BILLEAUD, JAMES	200	DOMESTIC	2	Nov-92	30:13:06	-92:10:31	D W
4	Lafayette	-7371Z	BACON, LEE		LOUVIERE	165	DOMESTIC	2	Nov-92	30:13:33	-92:08:29	D W
4	Lafayette	-7372Z	DUPANTIS, RONNI		CAMPIONE	210	DOMESTIC	2	Dec-92	30:13:21	-92:08:28	D W
4	Lafayette	-7384Z	ELSBURY PROD	JUDICE 1	UNKNOWN	180	PLUGGED	4	.	30:11:00	-92:07:13	
4	Lafayette	-7386Z	TRAHAN, DALTON		UNKNOWN	90	PLUGGED	2	.	30:11:22	-92:08:40	
4	Lafayette	-7424Z	BERG MECHANICAL		UNKNOWN	100	PLUGGED		.	30:14:25	-92:04:57	
4	Lafayette	-7425Z	BOLLICH, RAYMON		UNKNOWN	.	INACTIVE	2	.	30:13:53	-92:05:03	
4	Lafayette	-7430Z	LAFAYETTE WELL		UNKNOWN	.	PLUGGED	4	.	30:16:06	-92:09:24	
4	Lafayette	-7431Z	LAFAYETTE WELL		UNKNOWN	.	PLUGGED	2	.	30:16:06	-92:09:24	
4	Lafayette	-7432Z	MALBROUGH, RICK		UNKNOWN	.	DOMESTIC	2	.	30:13:43	-92:04:47	
4	Lafayette	-7436Z	AMERADA HESS	STUTES 1	GUICHARD	180	PLUGGED	4	Feb-93	30:13:01	-92:11:02	D W
4	Lafayette	-7476Z	DOWELL SCHLUMBE	BG-2T	GERAGHTY	8	PLUGGED	2	Jun-91	30:14:07	-92:04:47	D W
4	Lafayette	-7477Z	DOWELL SCHLUMBE	MS-2T	GERAGHTY	10	PLUGGED	2	Jun-91	30:14:03	-92:04:45	D W
4	Lafayette	-7478Z	DOWELL SCHLUMBE	NAI-2T	GERAGHTY	10	PLUGGED	2	Oct-92	30:14:05	-92:04:45	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-7479Z	DOWELL SCHLUMBE	NAL-2T	GERAGHTY	8	PLUGGED	2	Jun-91	30:14:03	-92:04:44	D W
4	Lafayette	-7480Z	DOWELL SCHLUMBE	WB-4T	GERAGHTY	14	PLUGGED	2	Jun-92	30:14:04	-92:04:42	D W
4	Lafayette	-7481Z	DOWELL SCHLUMBE	WB-5T	GERAGHTY	12	PLUGGED	2	Oct-92	30:14:06	-92:04:43	D W
4	Lafayette	-7487Z	MENARD, GERALD		CAMPIONE	105	DOMESTIC	2	Apr-93	30:13:09	-92:07:10	D W
4	Lafayette	-7493Z	LAVALEE, GARY		HUVAL, BRIAN	200	DOMESTIC	2	Apr-93	30:11:48	-92:10:52	D W
4	Lafayette	-7497Z	YAMMARINO, GUY		UNKNOWN	120	PLUGGED	2		30:13:42	-92:06:52	
4	Lafayette	-7498Z	YAMMARINO, GUY		MEAUX, CARROLL	130	DOMESTIC	2	Apr-93	30:13:42	-92:06:52	D W
4	Lafayette	-7503Z	MAPCO PETRO	MW-1	IT CORPORATION	25	MONITOR	4	Apr-91	30:13:55	-92:05:07	D W
4	Lafayette	-7504Z	MAPCO PETRO	MW-2	IT CORPORATION	20	MONITOR	4	Apr-91	30:13:55	-92:05:07	D W
4	Lafayette	-7505Z	MAPCO PETRO	MW-3	IT CORPORATION	17	MONITOR	4	Apr-91	30:13:55	-92:05:07	D W
4	Lafayette	-7506Z	MAPCO PETRO	MW-4	IT CORPORATION	17	MONITOR	4	Apr-91	30:13:55	-92:05:07	D W
4	Lafayette	-7507Z	MAPCO PETRO	MW-5	IT CORPORATION	17	MONITOR	4	Apr-91	30:13:55	-92:05:07	D W
4	Lafayette	-7508Z	MAPCO PETRO	MW-6	IT CORPORATION	17	MONITOR	4	Apr-91	30:13:55	-92:05:07	D W
4	Lafayette	-7515Z	BOURQUE, LARFIZ		CAMPIONE	140	DOMESTIC	2	May-93	30:11:41	-92:06:43	D W
4	Lafayette	-7516Z	GUIDRY, ANDREW		CAMPIONE	140	DOMESTIC	2	May-93	30:13:27	-92:07:24	D W
4	Lafayette	-7517Z	THIBODEAUX, HIL		CAMPIONE	130	DOMESTIC	2	May-93	30:13:44	-92:06:49	D W
4	Lafayette	-7518Z	ANDERSON, MARIE		UNKNOWN	130	PLUGGED	2	1963	30:12:48	-92:07:43	
4	Lafayette	-7519Z	ANDERSON, MARIE		HUVAL, BRIAN	140	DOMESTIC	2	May-93	30:12:48	-92:07:43	D W
4	Lafayette	-7576Z	BOYER, TIM		CAMPIONE	210	DOMESTIC	2	Jul-93	30:11:50	-92:05:46	D W
4	Lafayette	-7586Z	HARRINGTON, D		MEAUX, CARROLL	100	DOMESTIC	2	Jun-93	30:12:42	-92:06:26	D W
4	Lafayette	-7601Z	ALBARADO, RON		BILLEAUD, JAMES		DOMESTIC		Apr-76	30:14:45	-92:06:29	Q
4	Lafayette	-7605Z	OTOOLE, WILLIAM		HUVAL, BRIAN	170	DOMESTIC	2	Aug-93	30:13:49	-92:08:59	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-7616Z	ROBINSON, ROB		MEAUX, CARROLL	110	DOMESTIC	2	Aug-93	30:15:07	-92:06:16	D W
4	Lafayette	-7618Z	SOONER RESOURCE	THIBODEAU1	RIG WATER	190	PLUGGED	4	Aug-93	30:14:04	-92:10:58	D W
4	Lafayette	-7632Z	MELANCON, EDDIE		LOUVIERE	205	DOMESTIC	2	Jul-93	30:14:44	-92:07:37	D W
4	Lafayette	-7633Z	MELANCON, EDDIE		LOUVIERE	195	DOMESTIC	2	Jul-93	30:14:44	-92:07:31	D W
4	Lafayette	-7641Z	MOUTON, DONALD		CAMPIONE	210	DOMESTIC	2	Sep-93	30:14:15	-92:09:01	D W
4	Lafayette	-7644Z	SONNIER, KEN		DELAHOUSSAYE	180	DOMESTIC	2	Oct-93	30:13:32	-92:10:28	D W
4	Lafayette	-7653Z	MAPCO PETRO	MW-7	GRIFFITH, TOM	25	MONITOR	4	Aug-93	30:13:55	-92:05:07	D W
4	Lafayette	-7654Z	MAPCO PETRO	MW-8	GRIFFITH, TOM	25	MONITOR	4	Aug-93	30:13:55	-92:05:07	D W
4	Lafayette	-7664Z	ANDERSON, IRVIN		CAMPIONE	210	DOMESTIC	2	Sep-93	30:13:36	-92:09:07	D W
4	Lafayette	-7671Z	VENABLE, FERALL		CAMPIONE	100	DOMESTIC	2	Oct-93	30:13:17	-92:07:00	D W
4	Lafayette	-7672Z	ANDERSON, RAY		HUVAL, BRIAN	150	DOMESTIC	2	Sep-93	30:12:46	-92:07:44	D W
4	Lafayette	-7676Z	HALLWOOD PETRO	RICHARD 1	GUICHARD	180	PLUGGED	4	Oct-93	30:12:26	-92:05:48	D W
4	Lafayette	-7677Z	RESOLUTION TRUS	MW-1	GRIFFITH, TOM	25	MONITOR	4	Jun-93	30:13:30	-92:10:45	D W
4	Lafayette	-7678Z	RESOLUTION TRUS	MW-2	GRIFFITH, TOM	25	MONITOR	4	Jun-93	30:13:30	-92:10:45	D W
4	Lafayette	-7679Z	RESOLUTION TRUS	MW-3	GRIFFITH, TOM	25	MONITOR	4	Jun-93	30:13:30	-92:10:45	D W
4	Lafayette	-7692Z	CORMIER, MICHAE		CAMPIONE	210	DOMESTIC	2	Oct-93	30:12:09	-92:11:58	D W
4	Lafayette	-7704Z	MOUTON, DONALD		UNKNOWN	.	DOMESTIC	2	.	30:14:16	-92:08:58	
4	Lafayette	-7713Z	ROBIN, JIM		BROUSSARD	200	DOMESTIC	2	Nov-93	30:11:52	-92:08:29	D W
4	Lafayette	-7725Z	BERNARD, MIKE		CAMPIONE	110	DOMESTIC	2	Dec-93	30:16:05	-92:07:35	D W
4	Lafayette	-7731Z	CAMPELL, DIRK		DELAHOUSSAYE	160	PLUGGED		Dec-93	30:13:18	-92:08:33	
4	Lafayette	-7732Z	CAMPELL, DIRK		DELAHOUSSAYE	199	DOMESTIC	2	Dec-93	30:13:18	-92:08:33	D W
4	Lafayette	-7735Z	BROWN, DON		BROUSSARD	215	DOMESTIC	2	Dec-93	30:14:02	-92:09:05	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-7737Z	LAFAYETTE WELL		FOREST, SHELDON	120	PUBLIC SUPPLY	2	Nov-93	30:14:22	-92:07:46	D W
4	Lafayette	-7769Z	CAMPELL, DIRK		UNKNOWN		PLUGGED	2		30:13:20	-92:08:36	
4	Lafayette	-7775Z	GUILLORY, BRENT		HUVAL, BRIAN	180	DOMESTIC	2	Feb-94	30:13:24	-92:08:05	D W
4	Lafayette	-7777Z	ARCENEAUX, PAUL		BILLEAUD, JAMES	110	PLUGGED	4	1972	30:12:42	-92:05:10	
4	Lafayette	-7810Z	MEAUX, JERRY		MEAUX, CARROLL	190	DOMESTIC	2	Feb-94	30:11:39	-92:11:49	D W
4	Lafayette	-7814Z	WARE, MALLORY		MEAUX, CARROLL	210	DOMESTIC	2	Feb-94	30:13:44	-92:07:26	D W
4	Lafayette	-7822Z	FELL, JOHN E 3		UNKNOWN	190	PLUGGED	4	1984	30:16:18	-92:09:26	
4	Lafayette	-7833Z	DOUCET, WAYNE		HUVAL, BRIAN	190	DOMESTIC	2	Apr-94	30:15:29	-92:08:46	D W
4	Lafayette	-7834Z	GUIDRY, CARL		HUVAL, BRIAN	215	DOMESTIC	2	Mar-94	30:14:00	-92:09:05	D W
4	Lafayette	-7836Z	BENOIT, CHARLES		CAMPIONE	100	DOMESTIC	2	Mar-94	30:11:49	-92:06:01	D W
4	Lafayette	-7837Z	BROUSSARD, GLEN		LOUVIERE	130	DOMESTIC	2	Jan-94	30:12:41	-92:07:56	D W
4	Lafayette	-7838Z	ALLEMAN, KEN		MEAUX, CARROLL	170	PLUGGED	2		30:14:10	-92:08:14	D
4	Lafayette	-7839Z	ALLEMAN, KEN		MEAUX, CARROLL	170	DOMESTIC	2	Mar-94	30:14:10	-92:08:14	D W
4	Lafayette	-7853Z	LA LAND & EXPLO	FOREST 1	GUICHARD	200	RIG SUPPLY	4	Apr-94	30:12:16	-92:11:22	D W
4	Lafayette	-7864Z	VASSEUR, RANDAL		PELLERIN'S	150	IRRIGATION	2	Mar-89	30:16:33	-92:08:42	D W
4	Lafayette	-7866Z	MENARD, DAMON		MEAUX, CARROLL	95	DOMESTIC	2	Apr-94	30:13:12	-92:07:13	D W
4	Lafayette	-7867Z	THOMAS, GABRIEL		MEAUX, CARROLL	95	DOMESTIC	2	Apr-94	30:13:06	-92:07:06	D W
4	Lafayette	-7899Z	DANTEX OIL-GAS	RICHARD 1	RIG WATER	170	RIG SUPPLY	4	Jun-94	30:12:15	-92:07:48	D W
4	Lafayette	-7935Z	GUILBEAU, GREG		MEAUX, CARROLL	220	DOMESTIC	2	Jun-94	30:13:49	-92:09:02	D W
4	Acadia	-7945Z	ANCELET, CHARLE		MEAUX, CARROLL	180	DOMESTIC	2	Oct-96	30:15:12	-92:11:07	D W
4	Lafayette	-7947Z	HOFFPAIUR, JOHN		CAMPIONE	90	DOMESTIC	2	Aug-94	30:10:49	-92:07:08	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-7974Z	SOONER RESOURCE	MARTIN 1	RIG WATER	180	RIG SUPPLY	4	Aug-94	30:14:13	-92:09:14	D W
4	Lafayette	-7976Z	DENTEX OIL-GAS	ROGERS 1	RIG WATER	180	PLUGGED	4	Sep-94	30:10:30	-92:07:56	D W
4	Lafayette	-7984Z	BOWERS, ROY		CAMPIONE	120	DOMESTIC	2	Sep-94	30:13:31	-92:07:20	D W
4	Lafayette	-7989Z	MOUTON, TONY		CAMPIONE	170	DOMESTIC	2	Sep-94	30:14:21	-92:09:00	D W
4	Lafayette	-8000Z	RICHARD, THOMAS		UNKNOWN	95	PLUGGED	3		30:13:08	-92:07:09	
4	Lafayette	-8001Z	RICHARD, THOMAS		MEAUX, CARROLL	95	DOMESTIC	2	Sep-94	30:13:08	-92:07:09	D W
4	Lafayette	-8002Z	SWEET, PHILANDE		MEAUX, CARROLL	170	DOMESTIC	2	Sep-94	30:14:20	-92:08:55	D W
4	Lafayette	-8008Z	GUIDRY, ALLEN K		HUVAL, BRIAN	160	DOMESTIC	2	Apr-95	30:14:08	-92:07:58	D W
4	Lafayette	-8016Z	LBM DISTRIBUTOR	MW-1	PSI/PTL	18	PLUGGED	4	Jul-91	30:14:05	-92:10:33	D W
4	Lafayette	-8017Z	LBM DISTRIBUTOR	MW-2	PSI/PTL	18	PLUGGED	4	Jul-91	30:14:05	-92:10:33	D W
4	Lafayette	-8018Z	LBM DISTRIBUTOR	MW-3	PSI/PTL	18	PLUGGED	4	Jul-91	30:14:05	-92:10:33	D W
4	Lafayette	-8021Z	KRITI EXPLOR	BOUDREAUX1	RIG WATER	170	PLUGGED	4	Oct-94	30:13:12	-92:10:08	D W
4	Lafayette	-8038Z	THIGPEN, RONNIE		CAMPIONE	180	DOMESTIC	2	Sep-94	30:13:51	-92:08:58	D W
4	Lafayette	-8039Z	ANZALONE, LOUIS		HUVAL, BRIAN	200	DOMESTIC	2	Sep-94	30:13:24	-92:08:11	D W
4	Lafayette	-8049Z	BENOIT CONST		BROUSSARD	106	DOMESTIC	2	Sep-94	30:11:51	-92:06:02	D W
4	Lafayette	-8059Z	MACHIN & ASSOC	BOUDREAUX1	RIG WATER	180	PLUGGED	4	Nov-94	30:13:12	-92:10:08	D W
4	Lafayette	-8074Z	BIHM, SHEILA		CAMPIONE	120	DOMESTIC	2	Nov-94	30:13:18	-92:07:38	D W
4	Lafayette	-8081Z	LOUVIERRE, SAND		MEAUX, CARROLL	120	DOMESTIC	4	Nov-94	30:10:35	-92:07:02	D W
4	Lafayette	-8085Z	PUMPELLY INC	MW-1	ENVIRONMENTAL'	13	PLUGGED	4	Jul-91	30:10:50	-92:05:59	D W
4	Lafayette	-8086Z	PUMPELLY INC	MW-2	ENVIRONMENTAL'	13	PLUGGED	4	Jul-91	30:10:50	-92:05:59	D W
4	Lafayette	-8087Z	PUMPELLY INC	MW-3	ENVIRONMENTAL'	13	PLUGGED	4	Jul-91	30:10:50	-92:05:59	D W
4	Lafayette	-8088Z	PUMPELLY INC	RW-1	ENVIRONMENTAL'	10	PLUGGED	4	Jul-91	30:10:50	-92:05:59	D W
4	Lafayette	-8089Z	PUMPELLY INC	RW-2	ENVIRONMENTAL'	10	PLUGGED	4	Jul-91	30:10:50	-92:05:59	D W
4	Lafayette	-8090Z	PUMPELLY INC	RW-3	ENVIRONMENTAL'	10	PLUGGED	4	Jul-91	30:10:50	-92:05:59	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-8112Z	CONOCO	PELLERIN 1	GUICHARD	160	PLUGGED	4	Jan-95	30:11:39	-92:06:37	D W
4	Lafayette	-8164Z	EDDIE, WILLIE		CAMPIONE	180	DOMESTIC	2	Feb-95	30:13:53	-92:09:00	D W
4	Lafayette	-8167Z	SCHEXIDER, PAUL		CAMPIONE	220	DOMESTIC	2	Feb-95	30:11:12	-92:09:03	D W
4	Lafayette	-8168Z	COLLINS, MIKE		MEAUX, CARROLL	130	DOMESTIC	2	Feb-95	30:12:48	-92:07:36	D W
4	Lafayette	-8179Z	SONNIER, ROY J		MEAUX, CARROLL	110	DOMESTIC	2	Mar-95	30:11:18	-92:07:38	D W
4	Lafayette	-8185Z	ROMERO, JOSEPH		UNKNOWN	115	PLUGGED			30:10:55	-92:09:06	
4	Lafayette	-8186Z	ROMERO, JOSEPH		ALLEMAN'S	195	DOMESTIC	2	Mar-95	30:10:55	-92:09:06	D W
4	Lafayette	-8198Z	TRIUNION DEVEL	FALCON SWD	GUICHARD	180	RIG SUPPLY	4	Apr-95	30:12:04	-92:07:37	D W
4	Lafayette	-8206Z	FOREMAN, JOEY		FOREST, SHELDON	110	DOMESTIC	2	May-95	30:13:20	-92:07:36	D W
4	Lafayette	-8207Z	MCQUIRE, MIKE		FOREST, SHELDON	200	DOMESTIC	2	May-95	30:13:17	-92:07:34	D W
4	Lafayette	-8211Z	POSRIER, MARTIN		HUVAL, BRIAN	105	DOMESTIC	2	May-95	30:13:15	-92:06:28	D W
4	Lafayette	-8212Z	LOUVIERRE, SAND	2	MEAUX, CARROLL	110	DOMESTIC	2	Apr-95	30:10:32	-92:07:00	D W
4	Lafayette	-8213Z	NAVARRE, DEBRA		MEAUX, CARROLL	100	DOMESTIC	2	Apr-95	30:12:49	-92:06:31	D W
4	Lafayette	-8215Z	TRAHAN, SHARON		MEAUX, CARROLL	90	DOMESTIC	2	May-95	30:12:48	-92:06:31	D W
4	Lafayette	-8216Z	CARRIER, SHERI		FOREST, SHELDON	110	DOMESTIC	2	May-95	30:13:18	-92:07:34	D W
4	Lafayette	-8222Z	PRIVAT CONST		BROUSSARD	126	PUBLIC SUPPLY	2	Feb-95	30:10:44	-92:07:09	D W
4	Lafayette	-8231Z	CHAUTIN, MERLIN		FOREST, SHELDON	235	DOMESTIC	2	Jun-95	30:14:08	-92:08:03	D W
4	Lafayette	-8233Z	DOUCET, KERRY		MEAUX, CARROLL	190	DOMESTIC	2	May-95	30:15:01	-92:10:20	D W
4	Lafayette	-8234Z	HEBERT, DAYTON		MEAUX, CARROLL	150	DOMESTIC	2	Jun-95	30:11:48	-92:10:37	D W
4	Lafayette	-8269Z	GUILLORY, WANDA		ALLEMAN'S	130	DOMESTIC	2	May-97	30:11:06	-92:06:56	D W
4	Lafayette	-8277Z	WINN, TAMMY		ALLEMAN'S	130	DOMESTIC	2	May-97	30:11:11	-92:06:56	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-8285Z	ALLEMAN, LISA		FOREST, SHELDON	220	DOMESTIC	2	Jun-95	30:13:40	-92:09:08	D W
4	Lafayette	-8286Z	PREJEAN, KERMIT		FOREST, SHELDON	100	DOMESTIC	2	Jun-95	30:13:18	-92:07:02	D W
4	Lafayette	-8287Z	ROGER, ALLEN		FOREST, SHELDON	230	DOMESTIC	2	Jun-95	30:14:03	-92:09:11	D W
4	Lafayette	-8301Z	DOMINQUE, EASTN		UNKNOWN	.	PLUGGED	2	.	30:16:02	-92:07:40	
4	Lafayette	-8302Z	DOMINQUE, EASTN		MEAUX, CARROLL	120	DOMESTIC	2	Jun-95	30:16:02	-92:07:40	D W
4	Lafayette	-8305Z	MCDANIEL, DEBBI		FOREST, SHELDON	135	DOMESTIC	2	Jul-95	30:13:16	-92:07:36	D W
4	Lafayette	-8307Z	TRUMPS, JERRY		FOREST, SHELDON	140	DOMESTIC	2	Jun-95	30:14:09	-92:06:33	D W
4	Lafayette	-8309Z	GUIDRY, PATRICA		MEAUX, CARROLL	140	DOMESTIC	2	Jun-95	30:13:49	-92:06:58	D W
4	Lafayette	-8311Z	LEMAIRE, LEROY		MEAUX, CARROLL	150	DOMESTIC	2	Jul-95	30:12:29	-92:11:59	D W
4	Lafayette	-8320Z	SOLOCO		UNKNOWN	150	PUBLIC SUPPLY	2	.	30:13:54	-92:05:03	D
4	Lafayette	-8321Z	SOLOCO		UNKNOWN	150	PUBLIC SUPPLY	3	.	30:13:53	-92:05:07	D
4	Lafayette	-8326Z	TERRO, JODY		FOREST, SHELDON	250	DOMESTIC	2	Jul-95	30:12:10	-92:10:56	D W
4	Lafayette	-8329Z	DEMETTE, TERRY		MEAUX, CARROLL	90	DOMESTIC	2	Jul-95	30:11:49	-92:06:07	D W
4	Lafayette	-8338Z	LANDRY, JUDE		BROUSSARD	106	DOMESTIC	2	Jul-95	30:11:14	-92:06:52	D W
4	Lafayette	-8339Z	SANDOZ, SIMMONS		MEAUX, CARROLL	170	DOMESTIC	2	Aug-95	30:13:58	-92:09:07	D W
4	Lafayette	-8341Z	CORMIER, RONALD		DELAHOUSSAYE	110	DOMESTIC	2	Sep-95	30:12:54	-92:07:33	D W
4	Lafayette	-8360Z	ANDERSON, HILMA		FOREST, SHELDON	160	DOMESTIC	2	Sep-95	30:12:51	-92:07:46	D W
4	Lafayette	-8364Z	GAUTREAUX, VAN		FOREST, SHELDON	140	DOMESTIC	2	Sep-95	30:13:16	-92:07:41	D W
4	Lafayette	-8365Z	MOORE, CHARLES		FOREST, SHELDON	210	DOMESTIC	2	Sep-95	30:14:03	-92:09:08	D W
4	Lafayette	-8392Z	BROSSETTE, MACK		HUVAL, BRIAN	200	DOMESTIC	2	Oct-95	30:14:18	-92:11:40	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-8398Z	LEBLANC, KERK		MEAUX, CARROLL	190	DOMESTIC	2	Sep-95	30:13:23	-92:08:07	D W
4	Lafayette	-8422Z	LAUGHLIN, DON		MEAUX, CARROLL	180	DOMESTIC	2	Oct-95	30:14:04	-92:08:08	D W
4	Lafayette	-8439Z	GABLE, MATTHEW		MEAUX, CARROLL	200	DOMESTIC	2	Oct-95	30:13:24	-92:08:05	D W
4	Lafayette	-8457Z	SONNIER, HARRIS		MEAUX, CARROLL	120	DOMESTIC	2	Dec-95	30:15:42	-92:06:30	D W
4	Lafayette	-8468Z	PICOU, BOBBY		BROUSSARD	110	DOMESTIC	2	Oct-95	30:10:40	-92:06:14	D W
4	Lafayette	-8478Z	STOUTS, LARRY		HUVAL, BRIAN	170	DOMESTIC	2	Jan-96	30:11:20	-92:10:28	D W
4	Lafayette	-8488Z	ROMERO, RUTH		ALLEMAN'S	80	DOMESTIC	2	Feb-96	30:14:22	-92:09:30	D W
4	Lafayette	-8499Z	CHIASSON, TERRY		MEAUX, CARROLL	100	DOMESTIC	2	Feb-96	30:11:59	-92:06:43	D W
4	Lafayette	-8503Z	ROMERO, RUTH		ALLEMAN'S	180	DOMESTIC	2	Feb-96	30:14:22	-92:09:30	D W
4	Lafayette	-8504Z	SUNNY ACRES TP	1	BILLEAUD'S (A)	110	PLUGGED	4	1968	30:12:49	-92:04:35	
4	Lafayette	-8505Z	SUNNY ACRES TP	2	BILLEAUD'S (A)	90	PLUGGED	4	1968	30:12:49	-92:04:35	
4	Lafayette	-8511Z	DOWELL SCHLUMBE	MW-CHICOT1	EUSTIS	140	PLUGGED	2	Nov-95	30:14:01	-92:04:43	D W
4	Lafayette	-8557Z	PETERSEN, DENN		MEAUX, CARROLL	100	DOMESTIC	2	Mar-97	30:12:05	-92:08:03	D W
4	Lafayette	-8559Z	LOUVIERRE, SAND		MEAUX, CARROLL	110	DOMESTIC	2	Mar-97	30:10:29	-92:07:07	D W
4	Lafayette	-8569Z	MEAUX, CARROL		MEAUX, CARROLL	190	DOMESTIC	4	May-96	30:15:29	-92:07:37	D W
4	Lafayette	-8570Z	ALLEMAN, CARSON		MEAUX, CARROLL	180	DOMESTIC	2	May-96	30:14:37	-92:08:38	D W
4	Lafayette	-8572Z	VENABLE, STEPH		UNKNOWN	130	PLUGGED	2		30:13:45	-92:06:45	
4	Lafayette	-8573Z	VENABLE, STEPH		MEAUX, CARROLL	130	DOMESTIC	2	May-96	30:13:45	-92:06:45	D W
4	Lafayette	-8575Z	TOUCHET, LENNIS		MEAUX, CARROLL	120	DOMESTIC	2	May-96	30:12:49	-92:07:29	D W
4	Lafayette	-8576Z	THIBODEAUX, G		MEAUX, CARROLL	180	DOMESTIC	2	May-96	30:11:48	-92:10:36	D W
4	Lafayette	-8577Z	CARROLL, C		HUVAL, BRIAN	160	DOMESTIC	2	Mar-97	30:16:11	-92:08:59	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-8591Z	FOREMAN, DODD		MEAUX, CARROLL	120	DOMESTIC	2	May-96	30:10:00	-92:06:57	D W
4	Lafayette	-8592Z	WILLIAMS, JAMES		MEAUX, CARROLL	170	DOMESTIC	2	May-96	30:13:25	-92:08:15	D W
4	Lafayette	-8628Z	BERNARD, BERNEL		BROUSSARD	87	DOMESTIC	2	Mar-96	30:11:03	-92:06:21	D W
4	Lafayette	-8646Z	SIMON, CHAD		FOREST, SHELDON	180	DOMESTIC	2	Jun-96	30:11:08	-92:10:18	D W
4	Lafayette	-8655Z	OLIVIER, LEE		BROUSSARD	196	DOMESTIC	2	May-96	30:13:32	-92:07:41	D W
4	Lafayette	-8670Z	LANDALL INC		MEAUX, CARROLL	160	PUBLIC SUPPLY	4	Jun-96	30:14:34	-92:05:14	D W
4	Lafayette	-8683Z	MARTIN, TERRY		HUVAL, BRIAN	110	DOMESTIC	2	Jul-96	30:13:38	-92:06:48	D W
4	Lafayette	-8740Z	TRAHAN, MILTON		UNKNOWN	120	PLUGGED	2	.	30:14:00	-92:07:36	
4	Lafayette	-8741Z	TRAHAN, MILTON		MEAUX, CARROLL	130	DOMESTIC	2	Oct-96	30:14:00	-92:07:36	D W
4	Lafayette	-8742Z	STOUTS, LARRY		UNKNOWN	.	DOMESTIC	2	.	30:11:20	-92:10:28	
4	Lafayette	-8759Z	GUILLORY, TERRY		HUVAL, BRIAN	130	DOMESTIC	2	Dec-96	30:13:18	-92:06:35	D W
4	Lafayette	-8762Z	HAYNES, CINDY		MEAUX, CARROLL	160	DOMESTIC	2	Nov-96	30:11:28	-92:07:53	D W
4	Lafayette	-8771Z	MONTE, GLEN		HUVAL, BRIAN	215	DOMESTIC	2	Jan-97	30:13:38	-92:08:37	D W
4	Lafayette	-8851Z	FALCON, CHRIS		MEAUX, CARROLL	190	DOMESTIC	2	May-97	30:11:17	-92:08:14	D W
4	Lafayette	-8852Z	MONTGOMERY, JOE		MEAUX, CARROLL	110	DOMESTIC	2	May-97	30:13:24	-92:06:51	D W
4	Lafayette	-8861Z	BROUSSARD, MIKE		BROUSSARD	132	DOMESTIC	2	Apr-97	30:11:07	-92:07:06	D W
4	Lafayette	-8866Z	FONTENOT, BRIAN		BROUSSARD	230	DOMESTIC	2	Jan-97	30:12:13	-92:11:23	D W
4	Lafayette	-8868Z	BROSSETTE, TOM		HUVAL, BRIAN	200	DOMESTIC	2	May-97	30:14:20	-92:11:38	D W
4	Lafayette	-8869Z	CURLEY, J		MEAUX, CARROLL	140	DOMESTIC	2	May-97	30:12:43	-92:07:31	D W
4	Lafayette	-8874Z	BAUDOIN, SHERI		BROUSSARD	132	DOMESTIC	2	Feb-97	30:13:19	-92:06:49	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-8889Z	PHILLIPS, CRAIG		HUVAL, BRIAN	110	DOMESTIC	2	Jun-97	30:13:23	-92:07:06	D W
4	Lafayette	-8894Z	HEBERT, ANDY		BROUSSARD	203	DOMESTIC	2	Jun-97	30:10:47	-92:09:11	D W
4	Lafayette	-8925Z	FLOWERS, PAUL		MEAUX, CARROLL	110	DOMESTIC	2	Jul-97	30:13:22	-92:07:03	D W
4	Lafayette	-8926Z	PREJEAN, CARL		MEAUX, CARROLL	140	DOMESTIC	4	Jul-97	30:14:33	-92:07:41	D W
4	Lafayette	-8930Z	CLARK, RICKEY		BROUSSARD	175	STOCK	2	Jul-97	30:12:51	-92:09:06	D W
4	Lafayette	-8934Z	DOMINGUE, STEPH		MEAUX, CARROLL	120	DOMESTIC	2	Jun-97	30:13:24	-92:06:44	D W
4	Lafayette	-8944Z	HERNANDEZ, ROY		UNKNOWN	180	PLUGGED	2		30:14:21	-92:08:17	
4	Lafayette	-8945Z	HERNANDEZ, ROY		MEAUX, CARROLL	190	DOMESTIC	2	Aug-97	30:14:21	-92:08:17	D W
4	Lafayette	-8950Z	PROVOST, MIKE		PELLERIN'S	210	DOMESTIC	2	Jun-97	30:12:08	-92:08:16	D W
4	Lafayette	-8972Z	JACOBS, BRENT		HUVAL, BRIAN	100	DOMESTIC	2	Sep-97	30:13:22	-92:06:59	D W
4	Lafayette	-8980Z	MURFF, RICHARD		HUVAL, BRIAN	100	DOMESTIC	2	Sep-97	30:10:50	-92:06:24	D W
4	Lafayette	-8988Z	LANDALL INC		MEAUX, CARROLL	120	PUBLIC SUPPLY	4	Oct-97	30:14:34	-92:05:14	D W
4	Lafayette	-8996Z	BOUDREAUX, JESS		HUVAL, BRIAN	205	IRRIGATION	4	Oct-97	30:12:40	-92:11:37	D W
4	Lafayette	-9003Z	POMIER, TERRY		MEAUX, CARROLL	160	DOMESTIC	2	Oct-97	30:14:04	-92:09:14	D W
4	Lafayette	-9012Z	I L M		UNKNOWN	160	PLUGGED	4	Aug-89	30:15:32	-92:06:25	
4	Lafayette	-9026Z	BERNARD, STAN		LOUVIERE	170	DOMESTIC	2	Oct-97	30:15:01	-92:09:32	D W
4	Lafayette	-9028Z	CHEROKEE SERVIC		HUVAL, BRIAN	110	PUBLIC SUPPLY	4	Dec-97	30:10:46	-92:07:16	D W
4	Lafayette	-9034Z	BOURGUE, DOUG		ALLEMAN'S	125	DOMESTIC	2	Jan-98	30:13:20	-92:07:01	D W
4	Lafayette	-9035Z	ROMERO, SHANNON		MEAUX, CARROLL	120	DOMESTIC	2	Jan-98	30:13:17	-92:07:40	D W
4	Lafayette	-9037Z	A & M INDUSTRIE		UNKNOWN	100	PLUGGED	2		30:13:41	-92:04:43	

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-9038Z	A & M INDUSTRIE		MEAUX, CARROLL	100	PUBLIC SUPPLY	2	Jan-98	30:13:41	-92:04:43	D W
4	Lafayette	-9058Z	GUIDRY, PRESTON		UNKNOWN	100	PLUGGED	2	.	30:13:05	-92:04:34	
4	Lafayette	-9059Z	GUIDRY, PRESTON		MEAUX, CARROLL	110	PUBLIC SUPPLY	2	Feb-98	30:13:05	-92:04:34	D W
4	Lafayette	-9072Z	LEGER, TOMMY		LOUVIERE	115	DOMESTIC	4	Mar-98	30:12:39	-92:08:18	D W
4	Lafayette	-9074Z	FOSTER, FELISHA	APT #363	HUVAL, BRIAN	100	DOMESTIC	2	Apr-98	30:13:21	-92:07:06	D W
4	Lafayette	-9077Z	MOBIL OIL	ARCEN 1(1)	MAXIM'S	170	PLUGGED	4	Apr-98	30:13:21	-92:09:23	D W
4	Lafayette	-9078Z	MOBIL OIL	ARCEN 1(2)	MAXIM'S	170	PLUGGED	4	Apr-98	30:13:21	-92:09:23	D W
4	Lafayette	-9080Z	SONNIER, JOE		HUVAL, BRIAN	195	DOMESTIC	2	May-98	30:13:31	-92:07:45	D W
4	Lafayette	-9082Z	MECHE, RICKIE		MEAUX, CARROLL	105	DOMESTIC	2	Apr-98	30:13:24	-92:07:12	D W
4	Lafayette	-9090Z	EDGE PETROLEUM	LAGNEAUX 1	RIG WATER	210	PLUGGED	4	Jun-98	30:11:45	-92:11:17	D W
4	Lafayette	-9096Z	BREWER, NORM		ALLEMAN'S	145	DOMESTIC	2	May-98	30:13:20	-92:06:58	D W
4	Lafayette	-9105Z	BOREL, CHRIS		ALLEMAN'S	195	DOMESTIC	2	Jun-98	30:10:43	-92:09:11	D W
4	Lafayette	-9120Z	OWERS, EDGAR		MEAUX, CARROLL	185	DOMESTIC	2	Jun-98	30:14:03	-92:09:19	D W
4	Lafayette	-9130Z	HEBERT, ANDY		BROUSSARD	200	DOMESTIC	2	May-98	30:10:48	-92:09:10	D W
4	Lafayette	-9131Z	BROUSSARD, JULE		BROUSSARD	205	DOMESTIC	2	May-98	30:10:41	-92:09:10	D W
4	Lafayette	-9134Z	HEBERT, JERRY		BROUSSARD	100	DOMESTIC	2	Feb-98	30:11:07	-92:06:21	D W
4	Lafayette	-9137Z	THIBODEAUX, D		ALLEMAN'S	170	DOMESTIC	2	Jun-98	30:14:03	-92:09:23	D W
4	Lafayette	-9138Z	BAUDOIN, MARY		MEAUX, CARROLL	190	DOMESTIC	2	Jun-98	30:14:05	-92:09:30	D W
4	Lafayette	-9148Z	CHOPTIN, CHAD		ALLEMAN'S	190	DOMESTIC	2	Jul-98	30:11:12	-92:10:19	D W
4	Lafayette	-9149Z	HYNES, CHRIS		MEAUX, CARROLL	210	DOMESTIC	2	Jul-98	30:12:04	-92:10:52	D W
4	Lafayette	-9158Z	LF SCHOOL BOARD	1	UNKNOWN	150	PLUGGED	8	.	30:12:17	-92:05:25	
4	Lafayette	-9162Z	BOURQUE, ANDRUS	3	DELAHOUSSAYE	180	IRRIGATION	4	Jul-98	30:13:19	-92:09:32	D W

28,796

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-9168Z	GNK INC	T ROGER 1	RIG WATER	200	RIG SUPPLY	4	Sep-98	30:15:33	-92:07:10	D W
4	Lafayette	-9171Z	COMEAUX, VERNAL	2	BILLEAUD'S (A)	180	STOCK	2	Jul-98	30:14:43	-92:07:31	D W
4	Lafayette	-9173Z	TURNER, ALLEN		FOREST, SHELDON	205	DOMESTIC	2	Sep-98	30:13:05	-92:10:13	D W
4	Lafayette	-9174Z	VIGE, RANDY		MEAUX, CARROLL	210	DOMESTIC	2	Aug-98	30:11:37	-92:10:51	D W
4	Lafayette	-9186Z	LEONARD, GEORGE		MEAUX, CARROLL	180	DOMESTIC	2	Sep-98	30:14:22	-92:09:29	D W
4	Lafayette	-9188Z	HEBERT, JERRY		UNKNOWN	.	DOMESTIC	2	.	30:11:07	-92:06:21	
4	Lafayette	-9194Z	PRIME OPERATING	MM STUTES1	RIG WATER	200	PLUGGED	4	Oct-98	30:13:02	-92:11:03	D W
4	Lafayette	-9214Z	COMEAUX, VERNEL		BILLEAUD'S (A)	180	PLUGGED	3	.	30:14:43	-92:07:31	
4	Lafayette	-9222Z	TRAHAN, MARK		MEAUX, CARROLL	110	DOMESTIC	2	Oct-98	30:14:13	-92:07:22	D W
4	Lafayette	-9223Z	THERIOT, DEANNA		MEAUX, CARROLL	170	DOMESTIC	2	Oct-98	30:15:32	-92:09:20	D W
4	Lafayette	-9224Z	BOURQUE, SANDRA		MEAUX, CARROLL	175	DOMESTIC	2	Oct-98	30:11:49	-92:10:36	D W
4	Lafayette	-9230Z	LABBE, CLAUDE		UNKNOWN	180	PLUGGED	2	.	30:13:26	-92:10:11	
4	Lafayette	-9231Z	LABBE, CLAUDE		MEAUX, CARROLL	180	DOMESTIC	2	Nov-98	30:13:26	-92:10:11	D W
4	Lafayette	-9232Z	SCHAMP, LAYCIE		MEAUX, CARROLL	110	DOMESTIC	2	Oct-98	30:11:27	-92:06:13	D W
4	Lafayette	-9236Z	RILEY, JESSICA		UNKNOWN	108	PLUGGED	2	.	30:12:31	-92:06:31	
4	Lafayette	-9239Z	PRIME OPERATING	HERNANDEZ1	GUICHARD	180	PLUGGED	4	Feb-99	30:10:50	-92:09:00	D W
4	Lafayette	-9243Z	DELAUSSAYE, PAT		ALLEMAN'S	185	DOMESTIC	2	Nov-98	30:12:00	-92:10:51	D W
4	Lafayette	-9245Z	NERO, LARRY		MEAUX, CARROLL	170	DOMESTIC	4	Dec-98	30:12:43	-92:09:51	D W
4	Lafayette	-9249Z	RILEY, JESSICA		UNKNOWN	.	DOMESTIC	2	.	30:12:31	-92:06:31	
4	Lafayette	-9253Z	HEBERT, ERIC		MEAUX, CARROLL	200	DOMESTIC	2	Jan-99	30:11:49	-92:10:47	D W
4	Lafayette	-9255Z	GOTREAUX, BRIAN		MEAUX, CARROLL	100	DOMESTIC	3	Jan-99	30:12:59	-92:07:58	D W

2877

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-9260Z	DUHON, RITA		ALLEMAN'S	145	DOMESTIC	2	Feb-99	30:13:22	-92:06:46	D W
4	Lafayette	-9266Z	HEBERT, DUDLEY		MEAUX, CARROLL	130	DOMESTIC	2	Feb-99	30:13:01	-92:07:50	D W
4	Lafayette	-9268Z	GUILBEAUX, V		BILLEAUD, JAMES	180	PLUGGED	2	1969	30:13:28	-92:08:47	
4	Lafayette	-9269Z	GUILBEAU, V		MEAUX, CARROLL	185	DOMESTIC	2	Feb-99	30:13:28	-92:08:47	D W
4	Lafayette	-9291Z	VINCENT, NICHOL		HUVAL, BRIAN	150	DOMESTIC	2	Apr-99	30:14:03	-92:09:29	D W
4	Lafayette	-9313Z	HULIN, MARGARET		UNKNOWN	110	PLUGGED	3		30:16:28	-92:07:43	
4	Lafayette	-9314Z	HULIN, MARGARET		MEAUX, CARROLL	110	DOMESTIC	2	Apr-99	30:16:28	-92:07:43	D W
4	Lafayette	-9315Z	LAMOUNT, RUSTY		ALLEMAN'S	165	DOMESTIC	2	May-99	30:11:39	-92:10:19	D W
4	Lafayette	-9332Z	EMPERLEY, STAN		UNKNOWN	180	PLUGGED	0.5	1972	30:14:38	-92:08:35	
4	Lafayette	-9333Z	ELSBURY PROD	STUTES 1	UNKNOWN	140	PLUGGED	4		30:10:58	-92:06:43	
4	Lafayette	-9342Z	BAILEY, EVA	1	BROUSSARD	174	DOMESTIC	2	Apr-98	30:13:51	-92:08:43	D W
4	Lafayette	-9344Z	LA SAFETY SYS	1	DELAHOUSSAYE	85	PUBLIC SUPPLY	2	Apr-99	30:11:05	-92:06:28	D W
4	Lafayette	-9359Z	COTTON, L E		ALLEMAN'S	165	DOMESTIC	2	Jun-99	30:14:01	-92:09:25	D W
4	Lafayette	-9360Z	QUEBEDEAUX, L		MEAUX, CARROLL	165	DOMESTIC	2	May-99	30:11:50	-92:10:50	D W
4	Lafayette	-9363Z	CLIFFWOOD PROD	BACQUE 1	GUICHARD	200	PLUGGED	4	Jun-99	30:13:06	-92:08:52	D W
4	Lafayette	-9370Z	DUPLECHEIN, B		MEAUX, CARROLL	105	DOMESTIC	2	May-99	30:11:58	-92:06:33	D W
4	Lafayette	-9376Z	LANIER, TERRY		UNKNOWN	105	PLUGGED	2		30:12:38	-92:06:34	
4	Lafayette	-9377Z	LANIER, TERRY		MEAUX, CARROLL	110	DOMESTIC	2	May-99	30:12:38	-92:06:34	D W
4	Lafayette	-9389Z	HEBERT, DANNY		MEAUX, CARROLL	120	DOMESTIC	2	Jun-99	30:12:45	-92:07:32	D W
4	Lafayette	-9390Z	BENOIT, PAM		MEAUX, CARROLL	120	DOMESTIC	2	Jun-99	30:12:45	-92:07:32	D W
4	Lafayette	-9397Z	FOSTER, JAMES		BROUSSARD	190	PLUGGED	2.5		30:10:56	-92:09:04	

28-78

Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-9399Z	BOURQUE, JEFFRY		PELLERIN'S	180	DOMESTIC	2	Feb-91	30:15:19	-92:09:37	D W
4	Lafayette	-9400Z	CORUTHERS, F		LOUVIERE	175	DOMESTIC	2	Jun-95	30:13:15	-92:08:29	D W
4	Lafayette	-9401Z	CORUTHERS, F		UNKNOWN	210	PLUGGED	2		30:13:15	-92:08:29	
4	Lafayette	-9402Z	LANTIER, FERREL		BILLEAUD, JAMES	170	DOMESTIC	2	Oct-91	30:13:07	-92:10:11	D W
4	Lafayette	-9403Z	HUTCHINSON, E		BILLEAUD, JAMES	200	DOMESTIC	2	Oct-91	30:13:08	-92:09:58	D W
4	Lafayette	-9404Z	LANTIER, FERREL		UNKNOWN	60	PLUGGED			30:13:07	-92:10:11	
4	Lafayette	-9411Z	LANGLEY, DONALD		MEAUX, CARROLL	185	DOMESTIC	2	Jul-99	30:11:06	-92:08:53	D W
4	Lafayette	-9414Z	NGUYEN, CHAU V		MEAUX, CARROLL	145	DOMESTIC	2	Jul-99	30:12:49	-92:07:36	D W
4	Lafayette	-9423Z	JTD SERVICES		HUVAL, BRIAN	170	PUBLIC SUPPLY	4	Apr-94	30:16:27	-92:08:26	D W
4	Lafayette	-9440Z	CLAUDELL, ROGER	1	DELAHOUSSAYE	160	DOMESTIC	3	Aug-99	30:16:07	-92:08:41	D W
4	Lafayette	-9443Z	RICHARD, LISA		HUVAL, BRIAN	185	DOMESTIC	2	Aug-99	30:11:54	-92:10:51	D W
4	Lafayette	-9448Z	GUIDRY, RONNIE		MEAUX, CARROLL	90	DOMESTIC	2	Aug-99	30:12:34	-92:05:57	D W
4	Lafayette	-9452Z	WHITE, ALISON		BROUSSARD	195	DOMESTIC	2	Sep-99	30:14:02	-92:09:26	D W
4	Lafayette	-9462Z	QUEST EXPLOR	R TRAHAN 1	RIG WATER	180	PLUGGED	4	Sep-99	30:13:15	-92:09:03	D W
4	Lafayette	-9468Z	DEL CORP		HUVAL, BRIAN	150	PUBLIC SUPPLY	4	Sep-99	30:15:28	-92:06:20	D W
4	Lafayette	-9469Z	MOORE, CHARLES		HUVAL, BRIAN	210	IRRIGATION	4	Sep-99	30:14:01	-92:09:17	D W
4	Lafayette	-9476Z	ROBIN, DARBY		MEAUX, CARROLL	180	DOMESTIC	2	Sep-99	30:11:55	-92:10:51	D W
4	Lafayette	-9477Z	BROUSSARD, C		MEAUX, CARROLL	180	DOMESTIC	2	Sep-99	30:11:57	-92:10:51	D W
4	Lafayette	-9528Z	TRAHAN, WAYNE		PELLERIN'S	200	DOMESTIC	2	May-91	30:12:45	-92:09:30	D W
4	Lafayette	-9532Z	HALLWOOD PETRO	F DUHON 1	RIG WATER	160	RIG SUPPLY	4	Nov-99	30:12:18	-92:05:43	D W
4	Lafayette	-9546Z	HALLWOOD PETRO	A MARTIN 1	RIG WATER	160	RIG SUPPLY	4	Dec-99	30:12:25	-92:05:19	D W

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Wells Listing

	Parish	DOTD Well #	Owner Name	Well Owner #	Driller's Name	Well Depth	Well Use	Casing Size (in)	Drill Date	Latitude	Longitude	Available Info
4	Lafayette	-9548Z	MCDONALD, FELTO		MEAUX, CARROLL	100	DOMESTIC	2	Nov-99	30:10:22	-92:07:27	D W
4	Lafayette	-9554Z	TRAHAN, CHARLES		HUVAL, BRIAN	165	DOMESTIC	4	Dec-99	30:11:42	-92:07:56	D W

28.80

CERCLIS No.: LA0000605278

Reference 29

TDD No.: S06-00-02-0022

Brian Maillet
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Date 5 / 9 / 00
(Mo) (Day) (Year)

Name Ralph Avera

Time 9:30 (AM) PM

Address City of Lafayette

[X] Originator Placed Call

[ ] Originator Received Call

Phone 337 - 291-5916
(Area Code) (Number)

TDD# _____ PAN# 109906SAXX

Subject Water Wells

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Discussion: Mr. Avera stated that the City of Lafayette has approximately 16 wells. Seven of the wells are listed for the southern area of Lafayette (wells 1-S, 2-S, 3-S, 4-S, 5-S, S.WTP#7, and 7737Z). Collated into distribution system which is combined with the nine wells of the northern area. ~~This~~ 5

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Follow-Up-Action:

==========

Originator's Signature:

29-01

CERCLIS No.: LA0000605278

Reference 30

TDD No.: S06-00-02-0022

EPA United States Environmental Protection Agency

Envirofacts Warehouse | Safe Drinking Water Information | Overview | Law | Query | Model | Feedback | EF Home

Safe Drinking Water Query Results

Page 1

Query Selections

State selected: LOUISIANA
County selected: LAFAYETTE
Population Selected: Very Small (0-500), Small (501-3,300), Medium (3,301-10,000), Large (10,001-100,000), Very Large (100,000+)
Query executed on: APR-04-2000
Results are based on data extracted on: JAN-19-2000

List of Water Systems in SDWIS

Water systems in LOUISIANA are regulated by LOUISIANA

For a detailed Violation and Enforcement History click on the underlined Water System ID. To obtain additional information about drinking water please call EPA's Safe Drinking Water hotline at 1-800-426-4791.

Community Water Systems: Water Systems that serve the same people year-round (e.g. in homes or businesses).

Water System ID	Water System Name	Principal County Served	Population Served	Primary Water Source Type
LA1055106	ACADIANA COUNTRY ESTATES	LAFAYETTE	70	Ground water
LA1055107	ALEX THIBODEAUX TRAILER	LAFAYETTE	25	Ground water
LA1055060	ANGELLE'S TRAILER PARK	LAFAYETTE	105	Ground water
LA1055159	BAYOU TRACE APARTMENTS	LAFAYETTE	132	Ground water
LA1055164	BEAU PARTEE SUBDIVISION	LAFAYETTE	200	Ground water
LA1055082	BELLE PLACE TRAILER PARK	LAFAYETTE	175	Ground water
LA1055094	BELLVILLE SUBDIVISION	LAFAYETTE	246	Ground water
LA1055002	BRAMBLES MOBILE HOME VIL	LAFAYETTE	144	Ground water
LA1055059	BRENTWOOD TRAILER PARK	LAFAYETTE	72	Ground water

30-01

LA1055152	BRIDGEWOOD MOBILE HOME P	LAFAYETTE	136	Ground water
LA1055166	BROOKHOLLOW SUBDIVISION	LAFAYETTE	88	Ground water
LA1055054	C & D MOBILE HOME PARK	LAFAYETTE	92	Ground water
LA1055121	CAJUN COUNTRY MOBILE HOM	LAFAYETTE	64	Ground water
LA1055091	CAJUN MOBILE HOME VILLAG	LAFAYETTE	44	Ground water
LA1055088	CARENCRO VILLAGE SUBD	LAFAYETTE	428	Purchased ground water
LA1055017	CITY OF LAFAYETTE WATER	LAFAYETTE	125000	Ground water
LA1055026	CITY OF SCOTT WATER SYST	LAFAYETTE	6500	Purchased ground water
LA1055144	COACH HOUSE MANOR	LAFAYETTE	250	Ground water
LA1055131	COTE GELEE APARTMENTS	LAFAYETTE	228	Ground water
LA1055145	COUNTRY AIRE MOBILE HOME	LAFAYETTE	360	Ground water
LA1055146	COUNTRY CORNER M H P	LAFAYETTE	80	Ground water
LA1055124	COUNTRY LANE ESTATES 4 P	LAFAYETTE	160	Ground water
LA1055080	COUNTRY MOBILE LIVING T	LAFAYETTE	56	Ground water
LA1055115	COUNTRY SQUARE SUBD.	LAFAYETTE	189	Ground water
LA1055122	CREPE MYRTLE TRAILER PAR	LAFAYETTE	150	Ground water
LA1055120	CYPRESS MOBILE HOME PARK	LAFAYETTE	564	Ground water
LA1055012	EVANGELINE TRAILER PARK	LAFAYETTE	152	Ground water
LA1055043	FOX RUN SUBDIVISION	LAFAYETTE	120	Purchased ground water
LA1055158	FRENCHMAN'S CREEK SUBD.	LAFAYETTE	360	Ground water
LA1055013	G & R MOBILE HOME PARK	LAFAYETTE	150	Ground water
LA1055014	G AND J MOBILE HOME ESTA	LAFAYETTE	232	Ground water
LA1055138	GARDEN HEIGHTS SUB	LAFAYETTE	512	Ground water
LA1055114	GARY'S TRAILER PARK	LAFAYETTE	100	Ground water
LA1055055	GENE QUEBODEAUX TRAILER	LAFAYETTE	40	Ground water
LA1055093	GOING WEST MOBILE HOME P	LAFAYETTE	92	Ground water

30-02

LA1055118	GOLDEN ACRES MHP	LAFAYETTE	240	Ground water
LA1055116	GRANDE STAKES SUBD.	LAFAYETTE	290	Purchased ground water
LA1055170	HACKBERRY PLACE	LAFAYETTE	76	Ground water
LA1055051	HILLSIDE MOBILE PARK	LAFAYETTE	76	Ground water
LA1055016	HOLIDAY GARDENS, HME, VI	LAFAYETTE	2160	Ground water
LA1055015	HOLIDAY MOBILE HOME VILL	LAFAYETTE	188	Ground water
LA1055126	HUVAL APARTMENTS	LAFAYETTE	36	Ground water
LA1055135	INDIAN HILL MOBILE HOME	LAFAYETTE	45	Ground water
LA1055101	JACKSON SQUARE/PONTALBA	LAFAYETTE	250	Ground water
LA1055132	KINGS COURT MOBILE HOME	LAFAYETTE	220	Ground water
LA1055099	LA NEUVILLE HOLIDAY SUBD	LAFAYETTE	552	Ground water
LA1055156	LAFAYETTE W. DIST SOUTH	LAFAYETTE	7656	Ground water
LA1055153	LAKEVIEW ESTATES SUBDIVI	LAFAYETTE	65	Ground water
LA1055067	LAKEVIEW TRAILER PARK	LAFAYETTE	80	Ground water
LA1055081	LANDALL MOBILE ESTATES	LAFAYETTE	500	Ground water
LA1055162	LETRIOMPHE SUBDIVISION	LAFAYETTE	280	Ground water
LA1055147	LEXINGTON HEIGHTS SUBD	LAFAYETTE	40	Ground water
LA1055171	LPWD NORTH PROD.FACILITY	LAFAYETTE	2200	Ground water
LA1055136	LUXURY LIVING MOBILE HOM	LAFAYETTE	108	Ground water
LA1055137	MARKRIDGE PARK SUB	LAFAYETTE	476	Ground water
LA1055021	MAXIE'S MOBILE VALLEY	LAFAYETTE	430	Ground water
LA1055062	MELANIE ROSE TRAILER PAR	LAFAYETTE	176	Ground water
LA1055151	MES AMIS TRAILER PARK	LAFAYETTE	80	Purchased ground water
LA1055046	MILTON WATER SYSTEM INC	LAFAYETTE	3000	Ground water
LA1055089	MOUTON TRAILER PARK	LAFAYETTE	96	Ground water
LA1055052	MR.B'S TRAILER PARK	LAFAYETTE	135	Ground water
LA1055047	NORBERTS GOLDEN GATE	LAFAYETTE	50	Ground water

30-03

LA1055018	NORTHGATE MOBILE HOME PA	LAFAYETTE	216	Ground water
LA1055053	OAKVIEW MOBILE ESTATES	LAFAYETTE	124	Ground water
LA1055140	OSSUN HEIGHTS SUBDIVISIO	LAFAYETTE	268	Purchased ground water
LA1055048	PARKLAND TRAILER PARK	LAFAYETTE	130	Ground water
LA1055119	PECAN ACRES TRAILER PARK	LAFAYETTE	44	Ground water
LA1055050	PHILLIPS TRAILER PARK	LAFAYETTE	39	Ground water
LA1055157	POTPOURRI VILLAGE T.P.	LAFAYETTE	604	Ground water
LA1055087	RAINBOW ACRES TRAILER PA	LAFAYETTE	54	Ground water
LA1055168	RIDGE CREST SUBDIVISION	LAFAYETTE	72	Ground water
LA1055125	RIVER OAKS COUNTRY ESTAT	LAFAYETTE	175	Ground water
LA1055074	ROYAL MOBILE ESTATES	LAFAYETTE	152	Ground water
LA1055167	ROYALTON PARK SUBD.	LAFAYETTE	68	Ground water
LA1055142	SANDEST TERRACE SUB	LAFAYETTE	125	Ground water
LA1055154	SARAH DEE PARK TOWNHOMES	LAFAYETTE	400	Ground water
LA1055165	SHADOW WOOD ASSOCIATION	LAFAYETTE	21	Ground water
LA1055161	SHARLO CONDOMINIUMS	LAFAYETTE	100	Ground water
LA1055155	SHENANDOAH ESTATES	LAFAYETTE	250	Ground water
LA1055128	SOUTHFIELD SQUARE	LAFAYETTE	400	Ground water
LA1055160	SUN VILLAGE SUBD.	LAFAYETTE	32	Ground water
LA1055163	SUNDOWN PLACE SUBDIVISIO	LAFAYETTE	108	Ground water
LA1055103	SUNRISE SUB TRAILER PARK	LAFAYETTE	56	Ground water
LA1055123	T. & M. MOBILE VILLAGE	LAFAYETTE	80	Ground water
LA1055083	TECOS TRAILER PARK	LAFAYETTE	256	Ground water
LA1055003	TOWN OF BROUSSARD WATER	LAFAYETTE	5600	Ground water
LA1055005	TOWN OF CARENCRO WATER	LAFAYETTE	6000	Ground water
LA1055011	TOWN OF DUSON WATER SYST	LAFAYETTE	2160	Ground water
LA1055035	TOWN OF YOUNGSVILLE W.S.	LAFAYETTE	1540	Ground water
LA1055148	TREWHILL SUBDIVISION	LAFAYETTE	93	Purchased ground water

3004

LA1055032	TWISTED OAK TRAILER PARK	LAFAYETTE	92	Ground water
LA1055033	VERMILION VILLAGE TP	LAFAYETTE	75	Ground water
LA1055130	VICTORIA VILLAGE MH EST.	LAFAYETTE	204	Ground water
LA1055127	VILLAGE PARK MOBILE ESTA	LAFAYETTE	320	Ground water
LA1055070	VILLAGE QUEST SUBDIVISIO	LAFAYETTE	256	Ground water
LA1055034	WENWOOD SUBDIVISION	LAFAYETTE	75	Ground water
LA1055149	WEST GATE PARK T.P.	LAFAYETTE	207	Ground water
LA1055109	WEST WINDS SUBDIVISION	LAFAYETTE	500	Ground water
LA1055110	WIMBLEDON APARTMENTS	LAFAYETTE	32	Ground water
LA1055169	WINDY MEADOWS SUBDIVISON	LAFAYETTE	25	Ground water
LA1055150	YOUNG ACRES PATIO HOMES	LAFAYETTE	44	Ground water

Non-Transient Non-Community Water Systems: Water Systems that serve the same people, but not year-round (e.g. schools that have their own water system).

Water System ID	Water System Name	Principal County Served	Population Served	Primary Water Source Type
LA2055003	ACADIANA BOTTLING CO INC	LAFAYETTE	100	Ground water
LA2055009	BARBER BROTHERS CONSTRUC	LAFAYETTE	43	Ground water
LA2055078	BROUSSARD MIDDLE	LAFAYETTE	557	Ground water
LA2055052	SOUTHERN STRUCTURES INC	LAFAYETTE	240	Ground water
LA2055084	WESTERN ATLAS	LAFAYETTE	100	Ground water

Transient Non-Community Water Systems: Water Systems that do not consistently serve the same people (e.g. rest stops, campgrounds, gas stations).

Water System ID	Water System Name	Principal County Served	Population Served	Primary Water Source Type
LA2055085	ANADRILL/SCHLUMBERGER	LAFAYETTE	30	Ground water
LA2055006	ANGELLES RESTAURANT & BA	LAFAYETTE	300	Ground water
LA2055008	BAKER HUGHES INTEQ	LAFAYETTE	60	Ground water
LA2055026	EVANGELINE STEAK HOUSE	LAFAYETTE	250	Ground water
LA2055077	PRUDHOMME'S CAJUN CAFE	LAFAYETTE	150	Ground water
LA2055053	SPERRY SUN DRILLING S/C	LAFAYETTE	35	Ground water

30-05

LA2055013	TRANSIT MIX CONCRETE	LAFAYETTE	30	Ground water
LA2055083	ZOO OF ACADIANA	LAFAYETTE	50	Ground water

30-06

CERCLIS No.: LA0000605278

Reference 31

TDD No.: S06-00-02-0022

Amanda Bordelon
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name: Mike owner of
Address: Abshire Lawn Service

Phone: (337) 984-2690
(Area) (Number)

Subject: Use of Public Supply Well

Date: 4/11/00
(Mo) (Day) (Year)

Time: 0942 AM / PM

[X] Originator Placed Call
[ ] Originator Received Call

TDD# S06-00-02-0022
PAN# 109906SAXX

Discussion:
The well is used by this business w/ only one employee. ~~and is used~~ all

Follow-Up Action:

Originator's Signature: Amanda Bordelon

31-01

CERCLIS No.: LA0000605278

Reference 32

TDD No.: S06-00-02-0022

Amanda Bordelon
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name: Linda Hall - Cherokee Service

Address:

Phone: (337) 988-5792
(Area) (Number)

Subject: Use of Public Supply Well

Date: 4/11/00
(Mo) (Day) (Year)

Time: 0904 (AM) PM

[X] Originator Placed Call

[ ] Originator Received Call

TDD# S06-00-02-0022

PAN# 109906SAXX

Discussion:

The well is used for the business and there are approx. 20 people working for Cherokee.

Follow-Up Action:

Originator's Signature: Amanda Bordelon

32-01

CERCLIS No.: LA0000605278

Reference 33

TDD No.: S06-00-02-0022

Amanda Bordelon
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name: BOP Control

Address:

Phone: (337) 981-7591
(Area) (Number)

Subject: Use of Public Supply Well

Date: 4/11/00
(Mo) (Day) (Year)

Time: 09:26 AM / PM

[X] Originator Placed Call

[ ] Originator Received Call

TDD# S06-00-02-0022

PAN# 109906SAXX

Discussion:

The well at this facility services only this facility. The well is not for public use. There are approx. 10 people employed by BOP Control.

Follow-Up Action:

Originator's Signature: Amanda Bordelon

33-01

CERCLIS No.: LA0000605278

Reference 34

TDD No.: S06-00-02-0022

Brian Maillet
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Date OCT 10 00
(Mo) (Day) (Year)

Name Belva Costello

Time 11:10 AM/PM

Address Guidry Construction

[X] Originator Placed Call

[ ] Originator Received Call

Phone 337 - 873 - 3097
(Area Code) (Number)

TDD# 06-00-02-0022 PAN# 1099065AXX

Subject Water Well

Discussion: Ms. Costello stated that ~~the~~ the public supply water well is used for non-potable purposes and that drinking water is supplied by city of Lafayette.

Follow-Up-Action:

Originator's Signature: [signature]

34-01

000510

CERCLIS No.: LA0000605278

Reference 35

TDD No.: S06-00-02-0022

Brian Maillet
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Date 05/10/00
(Mo) (Day) (Year)

Name Tex Green

Time 1105 AM/PM

Address Soloco, Inc.

[X] Originator Placed Call
[ ] Originator Received Call

Phone 337-981-5058
(Area Code) (Number)

TDD# SOL00-02-0022 PAN# 1099065AXX

Subject Water Wells

Discussion: Mr. Green stated that the public supply wells listed for Soloco are used for non potable purposes and that the company uses city water for drinking water purposes.

Follow-Up-Action:

Originator's Signature: [signature]

3501

CERCLIS No.: LA0000605278

Reference 36

TDD No.: S06-00-02-0022

Brian Maddet
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name Mike Harris
Address DCI Corporation

Phone 337-266-7777
(Area Code) (Number)

Date 05/10/00
(Mo) (Day) (Year)
Time 1100 AM/PM
[X] Originator Placed Call
[ ] Originator Received Call

TDD# 5060-02-0022 PAN# 109906SAXX

Subject Water Well

Discussion: Mr. Harris stated that the public supply well is used for non-potable purposes. The drinking water ~~for~~ for the site is through the city of Scott.

Follow-Up-Action:

Originator's Signature:

36-01

CERCLIS No.: LA0000605278

Reference 37

TDD No.: S06-00-02-0022

Brian Maillet
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name Tammy Roberts
Address Scott City Hall

Phone 337 -233-1130
(Area Code) (Number)

Subject Water Well

Date 05/10/00
(Mo) (Day) (Year)

Time 1120 AM/PM

[ ] Originator Placed Call
[ ] Originator Received Call

TDD# PAN#

Discussion: Ms. Roberts stated that Scott receives water from Lafayette and that the public supply water well is no longer used for drinking water purposes.

Follow-Up-Action:

Originator's Signature:

37-01

CERCLIS No.: LA0000605278

Reference 38

TDD No.: S06-00-02-0022

Brian Maillet
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name Tom Simon
Address City of Lafayette Water

Phone 337 - 291-5942
(Area Code) (Number)

Date 5/10/00
(Mo) (Day) (Year)

Time 9:45 AM/PM

[X] Originator Placed Call
[ ] Originator Received Call

TDD# SOX 00-02-0002 PAN# 109906SAX

Subject City of Lafayette Water Supply

Discussion: Mr. Simon stated that City of Lafayette supplies water through a north and south distribution system to the City of Lafayette. In addition, it supplies purchased ground water to the city of Scott. In addition, Mr. Simon stated that the Lafayette parish residential area households are no longer on domestic wells.

Follow-Up-Action:

Originator's Signature:

38-01

CERCLIS No.: LA0000605278

Reference 39

TDD No.: S06-00-02-0022

Amanda Bordelon
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Name: Don Hayden
Address: LDEQ-Wellhead Protection

Phone: (225) 765-0585
(Area) (Number)

Subject: Wellhead Protection Info

Date: 4/10/00
(Mo) (Day) (Year)

Time: ~~1530~~ 1253

[ ] Originator Placed Call

[ ] Originator Received Call

TDD# S06-00-02-0022

PAN# 109906SAXX

Discussion:

The site is not located w/in the wellhead protection area.

Follow-Up Action:

Originator's Signature: Amanda Bordelon

39-01

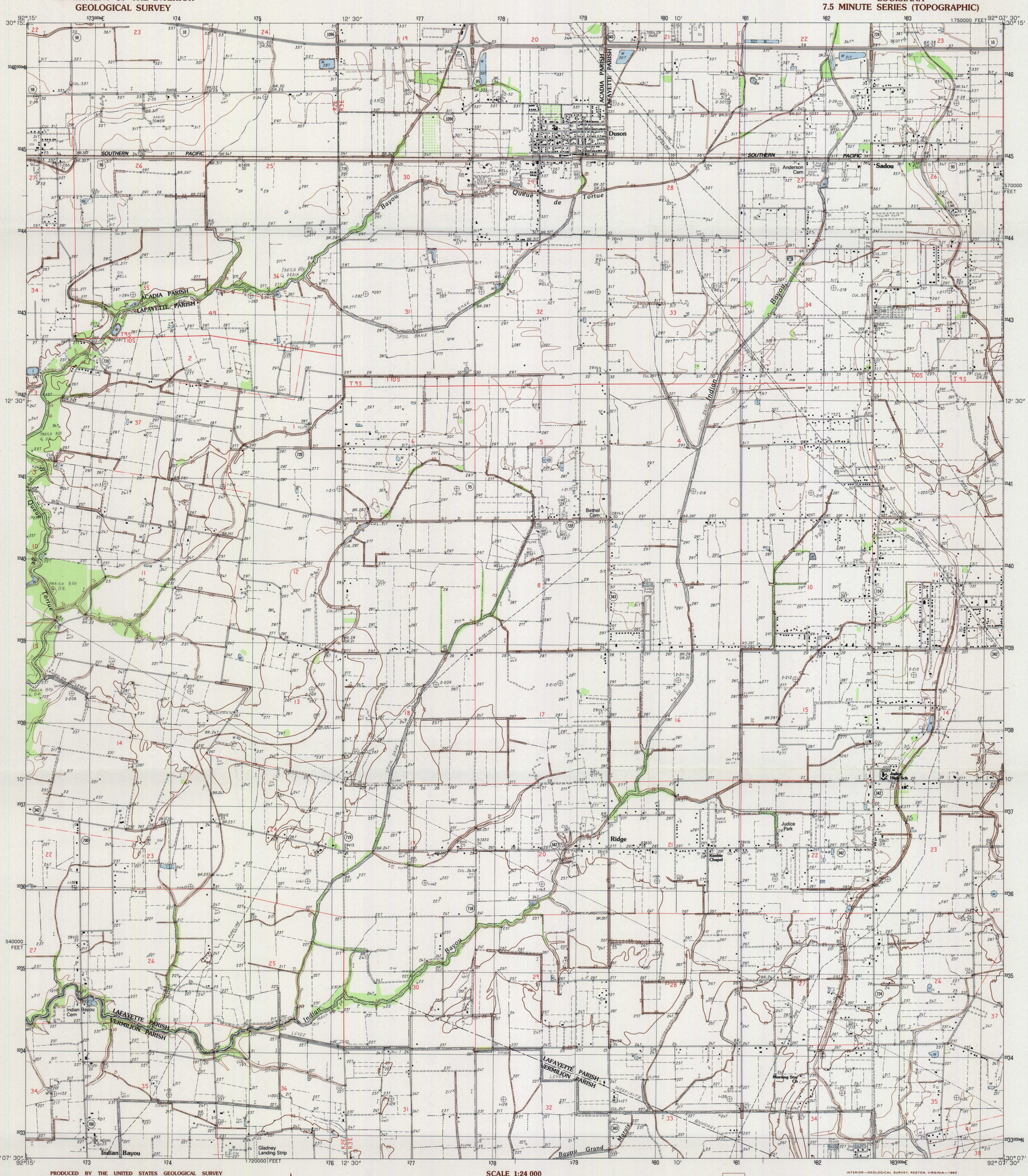
CERCLIS No.: LA0000605278

Reference 40

TDD No.: S06-00-02-0022

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DUSON QUADRANGLE
LOUISIANA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY USGS, NOS/NOAA AND LOUISIANA DEPARTMENT OF HIGHWAYS
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1976 AND 1980
FIELD CHECKED ..... 1982. MAP EDITED 1983
PROJECTION ..... LAMBERT CONFORMAL CONIC
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 15
10,000-FOOT STATE GRID TICKS ..... LOUISIANA, SOUTH ZONE
UTM GRID DECLINATION ..... 0°25′ EAST
1983 MAGNETIC NORTH DECLINATION ..... 5°00′ EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983 move the projection lines as shown by dashed corner ticks (18 meters south and 13 meters east)

There may be private inholdings within the boundaries of any Federal and State reservations shown on this map

NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check. 3

SCALE 1:24 000

MILES: 1 .5 0 1
FEET: 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000
KILOMETERS: 1 .5 0 1 2
METERS: 1000 0 1000 2000

CONTOUR INTERVAL 5 FEET

To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
AND THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804

LOUISIANA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Branch
2 Mire
3 Carencro
4 Crowley East
5 Lafayette
6 Kaplan North
7 Leroy
8 Milton

ADJOINING 7.5′ QUADRANGLE NAMES

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983

ROAD LEGEND

Improved Road .....
Unimproved Road .....
Trail .....

Interstate Route U. S. Route State Route

DUSON, LOUISIANA
NW/4 LAFAYETTE 15′ QUADRANGLE
PROVISIONAL EDITION 1983

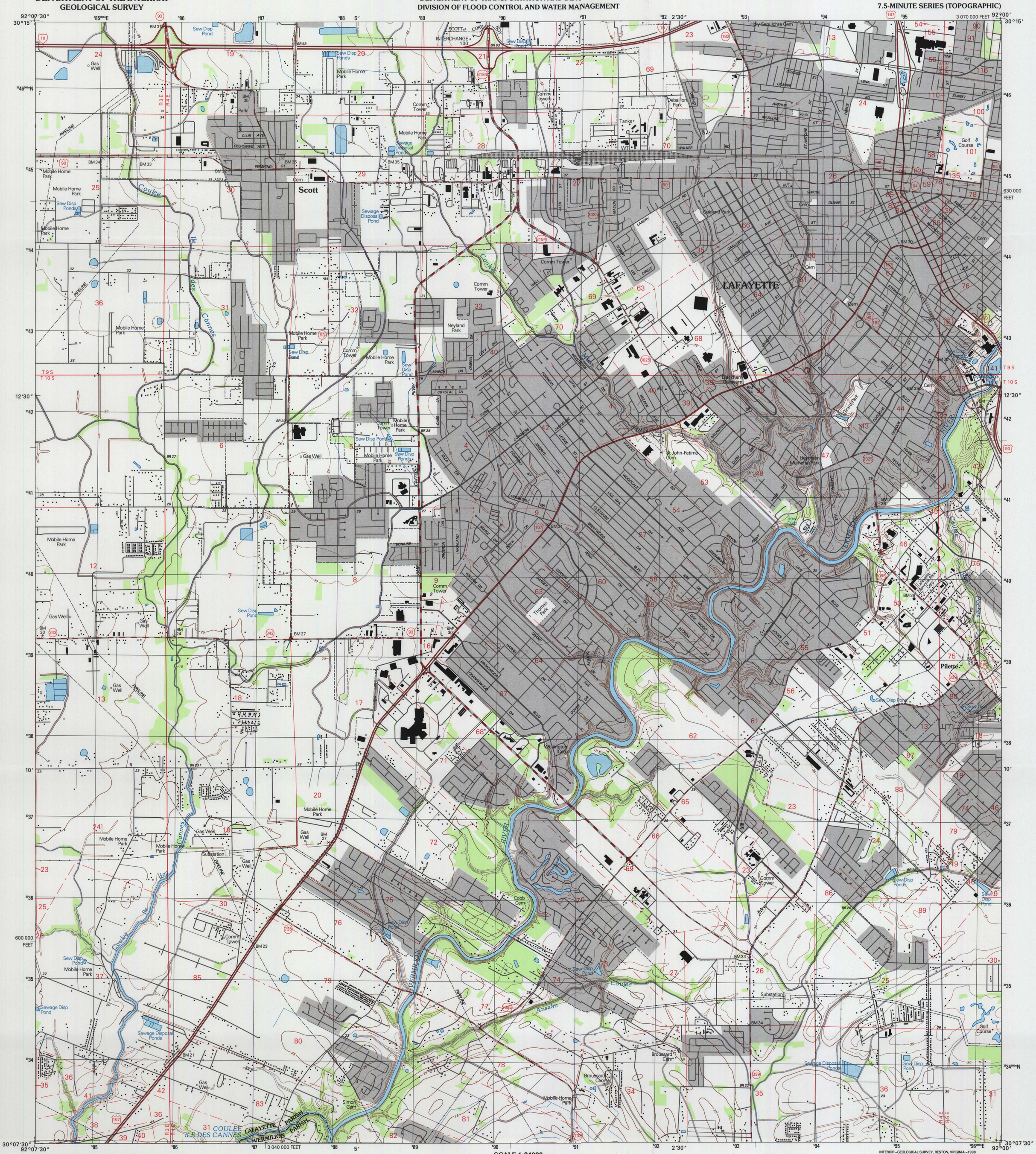
30092-B2-TF-024

000522

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
DIVISION OF FLOOD CONTROL AND WATER MANAGEMENT

LAFAYETTE QUADRANGLE
LOUISIANA
7.5-MINUTE SERIES (TOPOGRAPHIC)



INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1998

Produced by the United States Geological Survey in cooperation with State of Louisiana agencies

Topography compiled 1955. Planimetry derived from imagery taken 1994. Public Land Survey System and survey control current as of 1982.

North American Datum of 1983 (NAD 83). Projection and 1 000-meter grid: Universal Transverse Mercator, zone 15 10 000-foot ticks: Louisiana Coordinate System of 1983 (south zone)

North American Datum of 1927 (NAD 27) is shown by dashed corner ticks. The values of the shift between NAD 83 and NAD 27 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software

MN
GN
0° 28′
8 MILS
2½°
44 MILS

UTM GRID AND 1998 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048

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FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225
AND LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, BATON ROUGE, LOUISIANA 70804
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

LOUISIANA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Mire
2 Carencro
3 Breaux Bridge
4 Duson
5 Broussard
6 Leroy
7 Milton
8 Youngsville

ADJOINING 7.5' QUADRANGLE NAMES

ROAD CLASSIFICATION

Primary highway hard surface
Secondary highway hard surface
Light-duty road, hard or improved surface
Unimproved road

Interstate Route
U.S. Route
State Route

182B

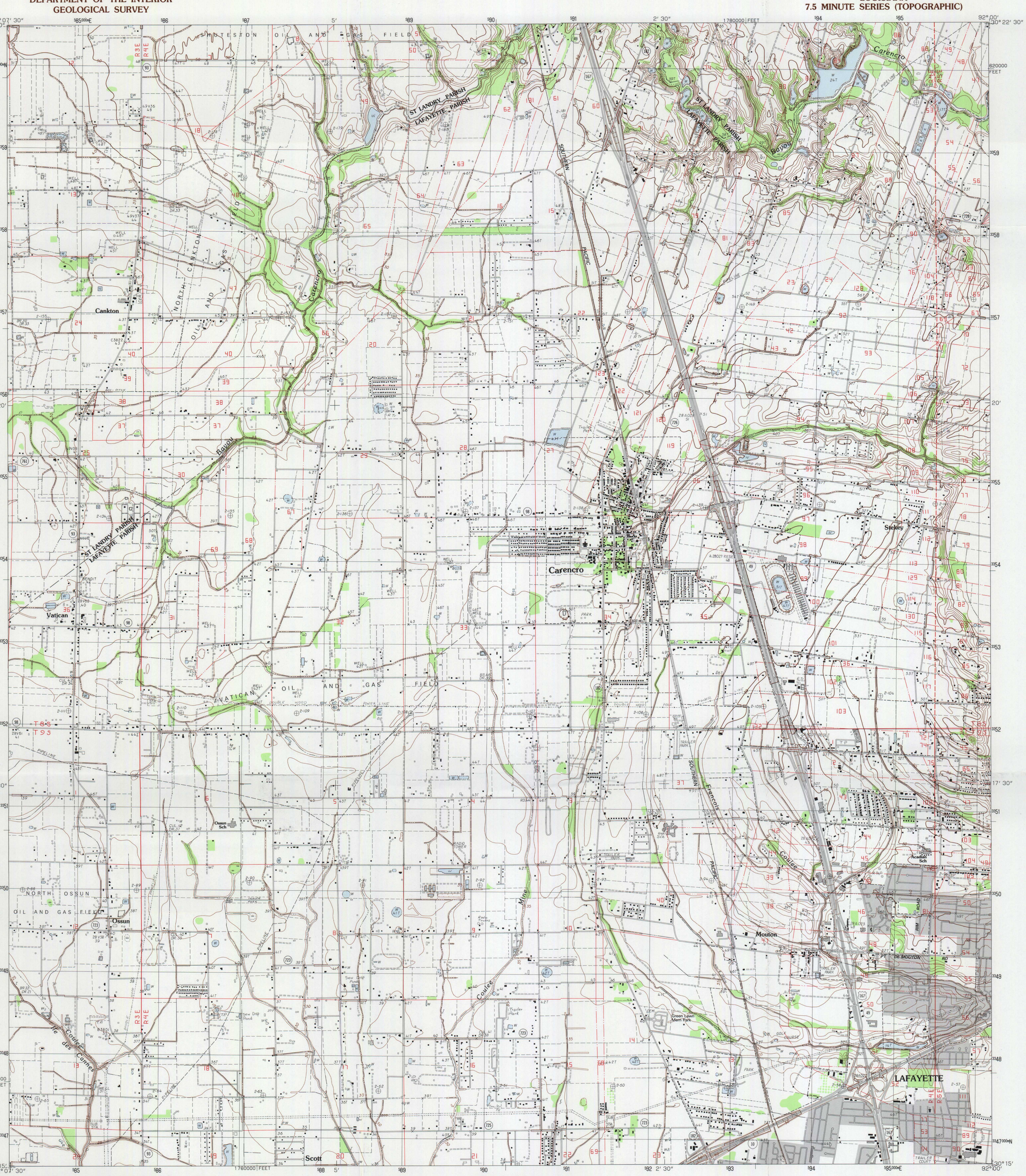
LAFAYETTE, LA
1994

NIMA 7544 II NE-SERIES V885

ISBN 0-607-88352-9
9 780607 883527

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CARENCRO QUADRANGLE
LOUISIANA
7.5 MINUTE SERIES (TOPOGRAPHIC)



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CONTROL BY .... USGS, NOS/NOAA, LOUISIANA DEPARTMENT OF HIGHWAYS
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN ..... 1976 AND 1980
FIELD CHECKED ..... 1982. MAP EDITED 1983
PROJECTION ..... LAMBERT CONFORMAL CONIC
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 15
10,000-FOOT STATE GRID TICKS ..... LOUISIANA, SOUTH ZONE
UTM GRID DECLINATION ..... 0°28′ EAST
1983 MAGNETIC NORTH DECLINATION ..... 4°30′ EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

To place on the predicted North American Datum of 1983, move the projection lines as shown by dashed corner ticks (18 meters south and 13 meters east)

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Gray tint indicates area in which selected buildings are shown

NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check. 3

SCALE 1:24 000

MILES: 1 .5 0 1
FEET: 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000
KILOMETERS: 1 .5 0 1 2
METERS: 1000 0 1000 2000

CONTOUR INTERVAL 5 FEET

To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

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AND THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804

LOUISIANA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Church Point
2 Sunset
3 Arnaudville
4 Mire
5 Breaux Bridge
6 Duson
7 Lafayette
8 Broussard

ADJOINING 7.5′ QUADRANGLE NAMES

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983

ROAD LEGEND

Improved Road .....
Unimproved Road .....
Trail .....

Interstate Route U. S. Route State Route

CARENCRO, LOUISIANA
SE/4 CARENCRO 15′ QUADRANGLE
PROVISIONAL EDITION 1983

30092-C1-TF-024

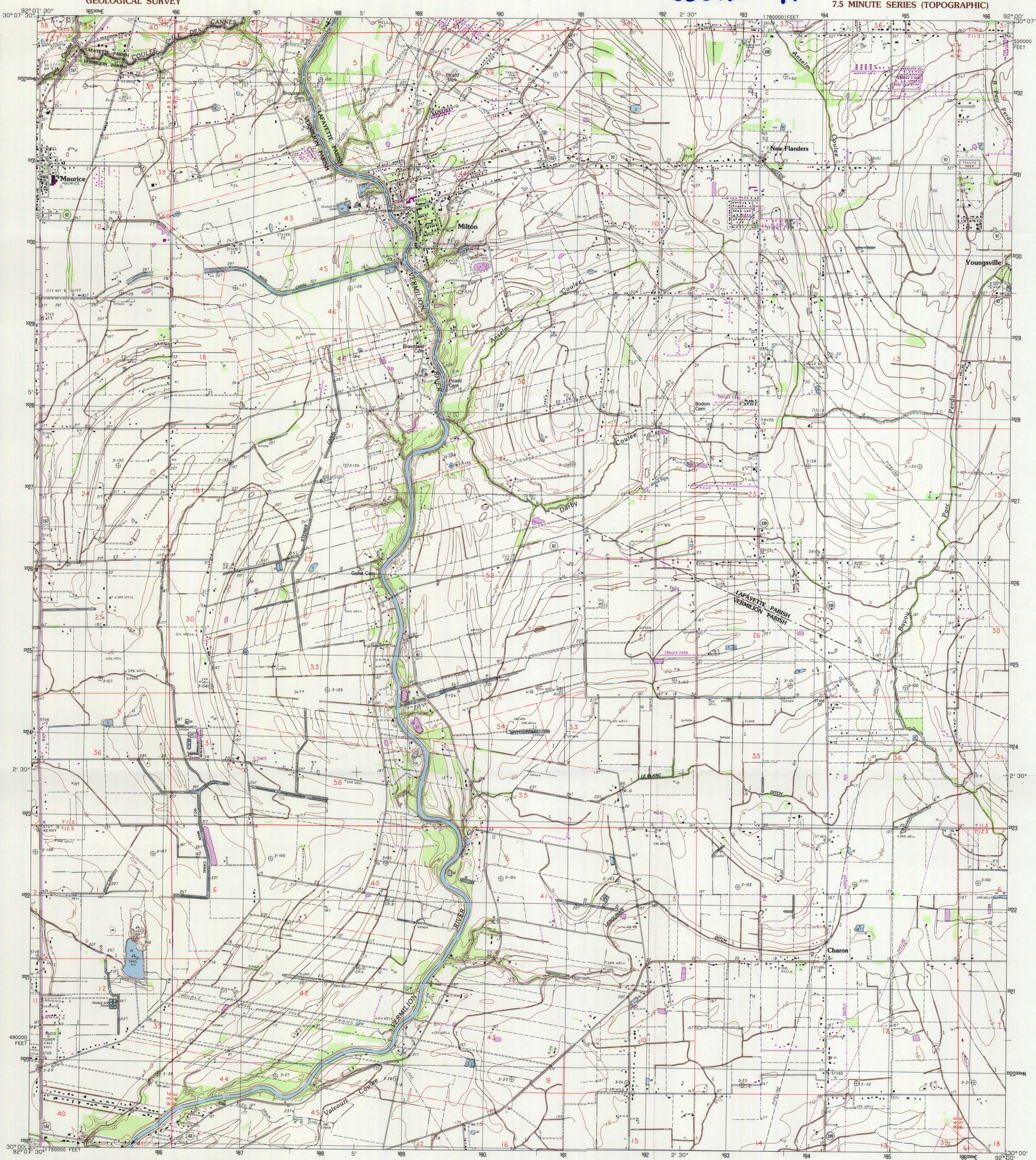
167D

000524

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30092 A1

MILTON QUADRANGLE
LOUISIANA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY..USGS, NOS/NOAA AND LOUISIANA DEPT OF HIGHWAYS
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN.....1976 AND 1980
FIELD CHECKED.....1982. MAP EDITED.....1983
PROJECTION.....LAMBERT CONFORMAL CONIC
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR.....ZONE 15
10,000-FOOT STATE GRID TICKS.....LOUISIANA, SOUTH ZONE
UTM GRID DECLINATION.....0°28′ EAST
1993 MAGNETIC NORTH DECLINATION.....3°30′ EAST
VERTICAL DATUM.....NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM.....1927 NORTH AMERICAN DATUM

North American Datum of 1983 (NAD 83) is shown by dashed corner ticks. The values of the shift between NAD 27 and NAD 83 for 7.5-minute intersections are given in USGS Bulletin 1875 There may be private inholdings within the boundaries of any Federal or State reservations shown on this map

Revisions shown in purple compiled in cooperation with State of Louisiana agencies from aerial photographs taken 1990 and other sources. This information not field checked. Map edited 1993

Information shown in purple may not meet USGS content standards and may conflict with previously mapped contours

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check. 3

SCALE 1:24 000

1 .5 0 1 MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000 FEET
1 .5 0 1 2 KILOMETERS
1000 0 1000 2000 METERS

CONTOUR INTERVAL 5 FEET

To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

NORTH

LOUISIANA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Duson
2 Lafayette
3 Broussard
4 Leroy
5 Youngsville
6 Abbeville West
7 Abbeville East
8 Delcambre

ADJOINING 7.5′ QUADRANGLE NAMES

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1993

ROAD LEGEND

Improved Road
Unimproved Road
Trail

Interstate Route U. S. Route State Route

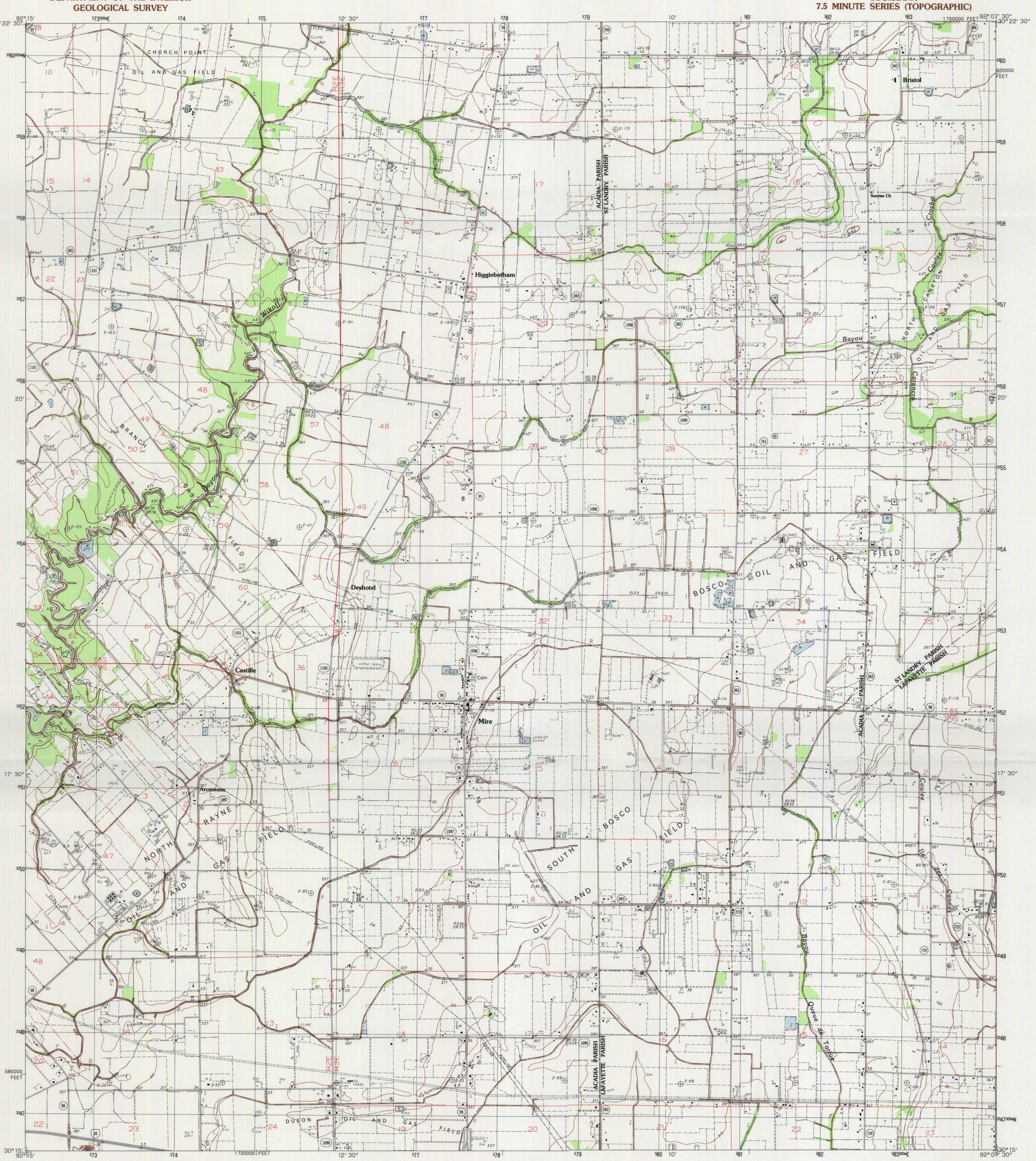
182D

MILTON, LOUISIANA
SE/4 LAFAYETTE 15′ QUADRANGLE
PROVISIONAL EDITION 1983
REVISED 1993
30092-A1-TF-024

000525

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MIRE QUADRANGLE
LOUISIANA
7.5 MINUTE SERIES (TOPOGRAPHIC)



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY . USGS, NOS/NOAA, AND LOUISIANA DEPARTMENT OF HIGHWAYS
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1976
FIELD CHECKED ..... 1982. MAP EDITED 1983
PROJECTION ..... LAMBERT CONFORMAL CONIC
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 15
10,000-FOOT STATE GRID TICKS ..... LOUISIANA, SOUTH ZONE
UTM GRID DECLINATION ..... 0°25' EAST
1983 MAGNETIC NORTH DECLINATION ..... 5°00' EAST
VERTICAL DATUM ..... NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM ..... 1927 NORTH AMERICAN DATUM

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NORTH

PROVISIONAL MAP
Produced from original manuscript drawings. Information shown as of date of field check. 3

SCALE 1:24 000

MILES: 1 .5 0 1
FEET: 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000
KILOMETERS: 1 .5 0 1 2
METERS: 1000 0 1000 2000

CONTOUR INTERVAL 5 FEET

To convert feet to meters multiply by .3048
To convert meters to feet multiply by 3.2808

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AND THE STATE OF LOUISIANA, DEPARTMENT OF PUBLIC WORKS, BATON ROUGE, LOUISIANA 70804

LOUISIANA
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Richard
2 Church Point
3 Sunset
4 Branch
5 Carencro
6 Crowley East
7 Duson
8 Lafayette

ADJOINING 7.5' QUADRANGLE NAMES

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1983

ROAD LEGEND

Improved Road
Unimproved Road
Trail

Interstate Route U. S. Route State Route

MIRE, LOUISIANA
SW/4 CARENCRO 15' QUADRANGLE
PROVISIONAL EDITION 1983

30092-C2-TF-024

167C

000526

CERCLIS No.: LA0000605278

Reference 41

TDD No.: S06-00-02-0022

SOIL SURVEY OF

Lafayette Parish, Louisiana

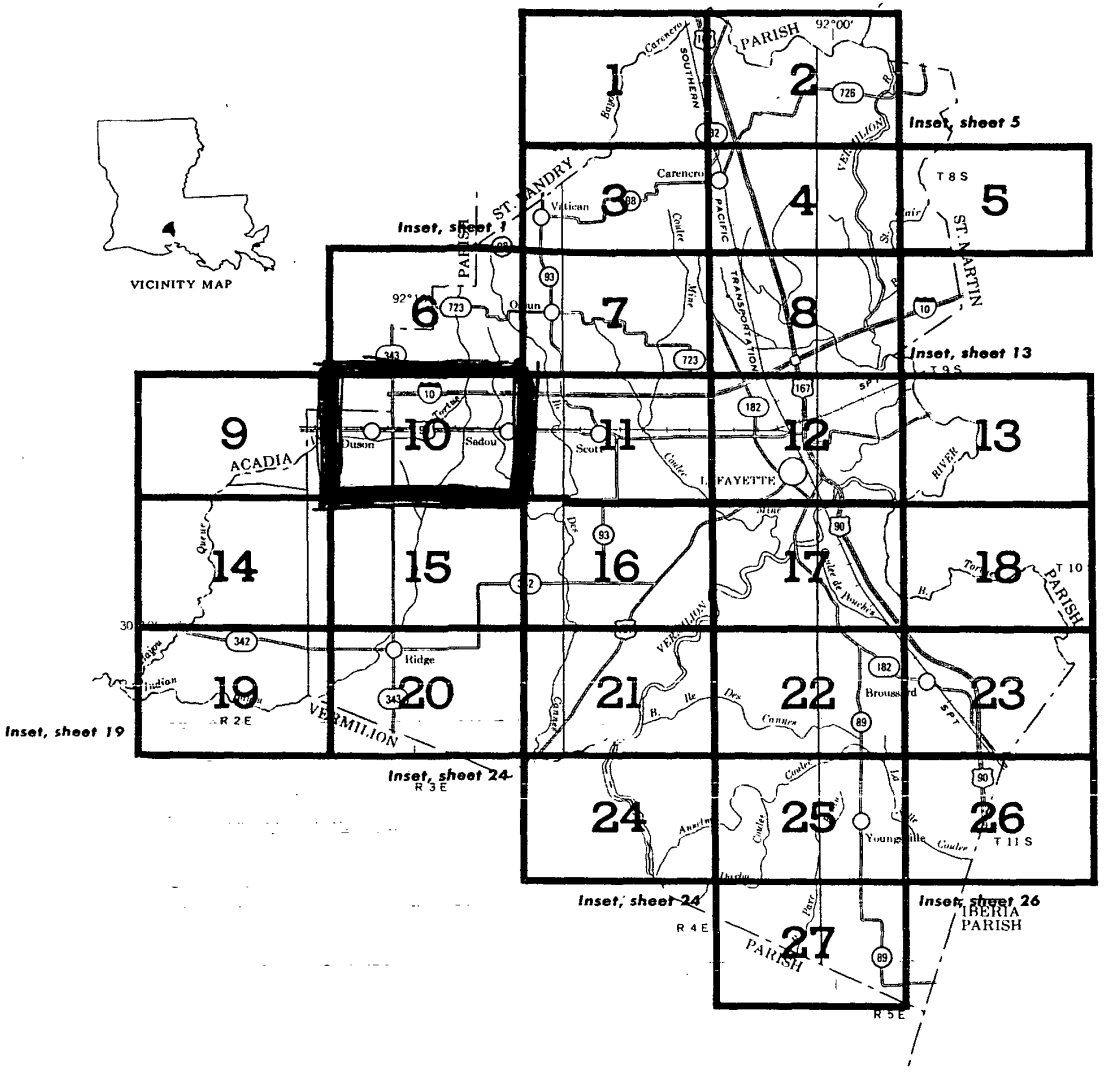
United States Department of Agriculture
Soil Conservation Service

in cooperation with

Louisiana Agricultural Experiment Station

41-01

000528



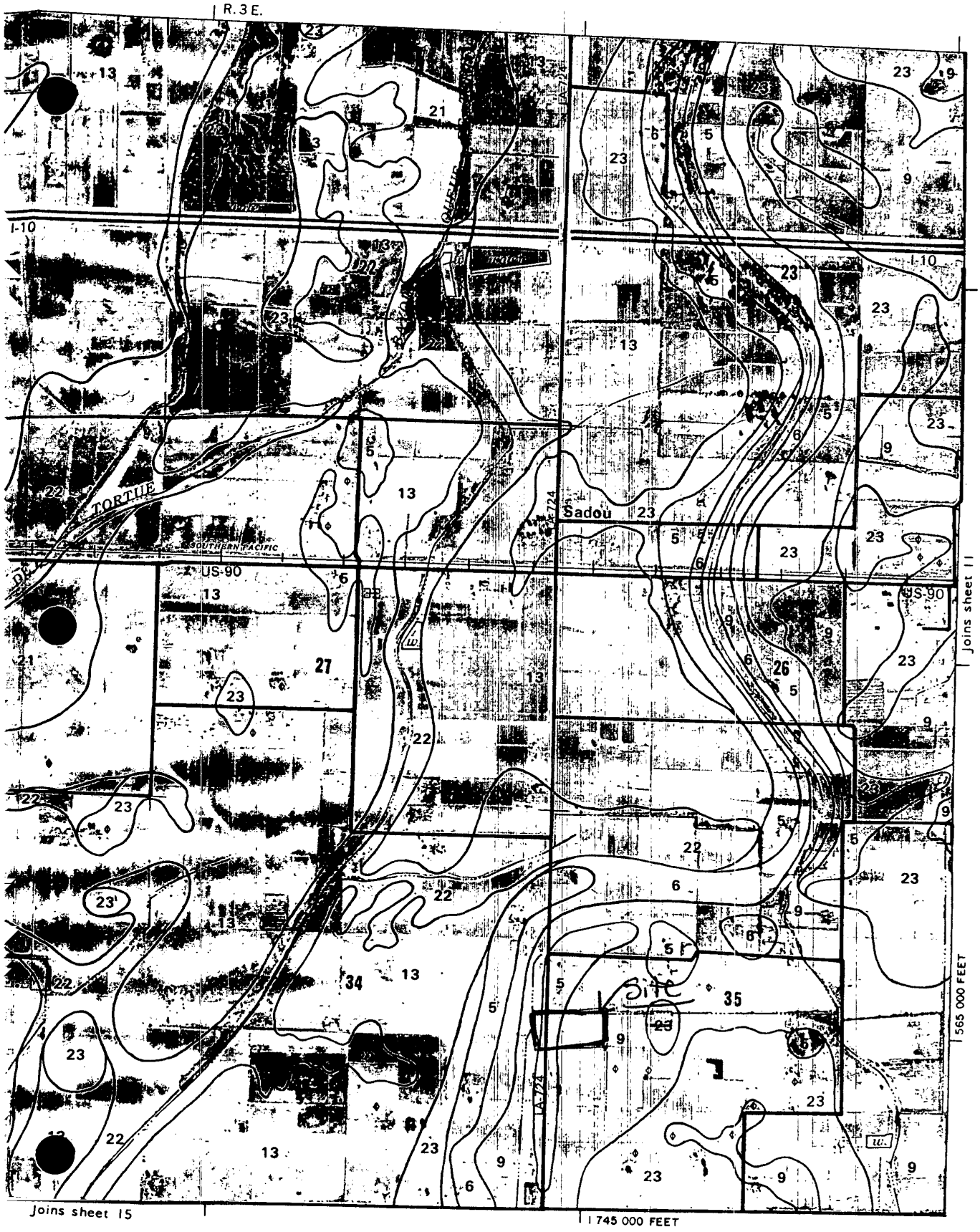
INDEX TO MAP SHEETS
LAFAYETTE PARISH LOUISIANA

Scale 1:190,080

1 0 1 2 3 4 Miles

4-02

H, LOUISIANA — SHEET NUMBER 10



41-08

Typically, Basile soils have a surface layer of strongly acid, dark gray silt loam about 6 inches thick. The subsurface layer, to a depth 24 inches, is medium acid, gray and light gray silt loam. The subsoil to a depth of 34 inches is moderately alkaline, gray silty clay loam. To a depth of 50 inches, it is moderately alkaline, light olive gray silty clay loam mottled with light olive brown, and to a depth of 60 inches or more, it is moderately alkaline, gray silty clay loam mottled with light olive brown.

Basile soils are moderate in fertility. Water runs off the surface at a slow rate. Water and air move at a slow rate through the soil. The soil is flooded one or more times each year for short periods. Depth of floodwaters is usually less than 2 feet. During periods when the soil is not flooded, the water table fluctuates between a depth of 1.5 feet and the surface during December through April. Plants sometimes suffer from lack of water during dry periods.

Most of the acreage is in woodland. A very small acreage is in pasture.

Potential as cropland is very poor because of flooding. Flooding precludes use of these soils as cropland in most years. Potential as pastureland is poor because of flooding. Common bermudagrass and bahiagrass are suitable pasture plants, but flooding restricts the time that the soils can be grazed.

Potential for urban use and for intensive recreation areas is very poor. Flooding is a limitation to most uses. Capability subclass Vw; not assigned to a woodland suitability group.

4—Coteau-Frost complex. This complex consists of small areas of Coteau and Frost soils that are so intermingled that they could not be separated at the scale selected for mapping. These soils are on very low ridges and in narrow swales on the terrace upland in the south-central part of the parish (fig. 5). Areas range from 80 to 300 acres. These soils formed in loess. Slopes are 0 to 2 percent.

Coteau soils, on very low ridges, make up about 65 percent of each mapped area. Typically, the surface layer is slightly acid, very dark grayish brown silt loam about 7 inches thick. The subsoil to a depth of 16 inches is strongly acid, dark yellowish brown silty clay loam. To a depth of 31 inches, it is strongly acid, dark yellowish brown silt loam mottled with gray; to a depth of 46 inches, it is medium acid, dark yellowish brown silt loam mottled with light brownish gray; and to a depth of 60 inches or more, it is slightly acid, light brownish gray silt loam mottled with dark yellowish brown.

This Coteau soil is moderate in fertility. Plant roots penetrate the soil easily, and water and air move at a moderately slow rate through the soil. Water runs off the surface at a medium rate. The seasonal high water table fluctuates between depths of 1.5 to 3 feet during December through April. The surface layer is wet for significant periods in winter and spring. Sufficient water is available to plants in most years.

Frost soils, in narrow swales, make up about 35 percent of each mapped area. Typically, the surface layer is medium acid, very dark grayish brown silt loam about 9 inches thick. The subsurface layer, to a depth of 26 inches, is strongly acid, light brownish gray silt loam mottled with yellowish brown. The subsoil to a depth of 54 inches is medium acid to strongly acid, gray silty clay loam mottled with brown. To a depth of 60 inches, it is slightly acid, gray silt loam mottled with brown.

This Frost soil is moderate in fertility. Plant roots penetrate the soil easily, and water and air move at a slow rate through the soil. Water runs off the surface at a slow rate. The seasonal high water table fluctuates between a depth of 1.5 feet and the surface during December through April. The surface layer is wet for long periods in winter and spring. Sufficient water is available to plants in most years.

Included with these soils in mapping are a few small areas of Memphis soils. Also included are a few small areas of soils in swales that are subject to flooding.

Most of the acreage is in cropland. A small acreage is in pastureland and urban use.

Potential as cropland and pastureland is good. The uneven surface and excess water in the narrow swales interfere with tillage operations. The main suitable crops are corn, soybeans, sugarcane, grain sorghum, sweet potatoes, and truck crops. The main suitable pasture plants are common bermudagrass, bahiagrass, ryegrass, white clover, southern wild winter peas, vetch, and annual lespedeza. These soils are friable but somewhat difficult to keep in good tilth because of surface crusting. Traffic pans develop easily but can be broken up by deep plowing or chiseling. A surface drainage system is needed to remove excess water from the narrow swales for most cultivated crops and pasture plants. Land grading and smoothing improve surface drainage and increase the efficiency of farm equipment; however, in some cases much soil must be moved. Proper management of crop residue helps maintain organic matter content, which in turn reduces surface crusting and soil loss by erosion. Most crops and pasture plants respond well to complete fertilizer. Lime is generally needed.

Potential for urban use is fair. Wetness is a limitation when these soils are used for septic tank absorption fields, sanitary landfills, homesites, and local roads and streets. Low strength is a limitation when the soils are used as foundations or construction material.

Potential for intensive recreation areas is fair. Wetness is a limitation to such uses as playgrounds and golf courses. Cabability subclass IIIs; Coteau soil in woodland suitability group 1w8; Frost soil in woodland suitability group 2w9.

5—Coteau silt loam, 0 to 1 percent slopes. This nearly level soil is on broad, convex stream divides on the terrace upland. It formed in loess mainly in the northern and south-central parts of the parish. It is in areas of about 10 to 500 acres.

41-04

Typically, the surface layer is medium acid, dark brown silt loam about 8 inches thick. The subsoil to a depth of 16 inches is strongly acid, dark brown silt loam. To a depth of 26 inches, it is strongly acid, dark yellowish brown silty clay loam mottled with gray; to a depth of 57 inches, it is medium acid, dark yellowish brown silt loam mottled with light brownish gray; and to a depth of 60 inches or more, it is slightly acid, dark brown silt loam that has gray mottles.

This soil is moderate in fertility. Plant roots penetrate the soil easily, and water and air move at a moderately slow rate through the soil. Water runs off the surface at a slow to medium rate. The seasonal high water table fluctuates between depths of 1.5 and 3 feet during December through April. The surface layer is wet for significant periods in winter and spring. Sufficient water is available to plants in most years.

Included with this soil in mapping are a few small areas of Frost, Patoutville, and Memphis soils.

Most of the acreage is in cropland, pastureland, and urban use.

Potential as cropland and pastureland is good. The nearly level slopes and loamy textures make this soil favorable for cultivated crops. The main suitable crops are sugarcane, rice, soybeans, corn, truck crops, and sweet potatoes. The main suitable pasture plants are common bermudagrass, bahiagrass, ryegrass, improved bermudagrass, white clover, southern wild winter pea, vetch, and annual lespedeza. This soil is friable and easy to keep in good tilth. It can be worked over a wide range of moisture content. Traffic pans form easily but can be broken up by deep plowing or chiseling. A surface drainage system is generally needed for most cultivated crops. Land grading or smoothing improves surface drainage and increases the efficiency of farm equipment. Proper management of crop residue helps maintain organic matter content and reduce soil losses by erosion. Irrigation is needed for rice. Most crops and pasture plants respond well to complete fertilizer. Lime is generally needed.

Potential for urban use is fair. Wetness is a limitation to such uses as septic tank absorption fields, sanitary landfills, homesites, and local roads and streets. Low strength is a limitation when the soil is used as foundation or construction materials.

Potential for intensive recreation areas is fair. Wetness is a limitation to such uses as playgrounds and golf courses. Capability subclass IIw; woodland suitability group 1w8.

6—Coteau silt loam, 1 to 3 percent slopes. This very gently sloping soil is on narrow, convex stream divides and side slopes on the terrace upland, mainly in the south-central part of the parish. It formed in loess. It is in areas of about 5 to 100 acres.

Typically, the surface layer is slightly acid, dark grayish brown silt loam about 5 inches thick. The subsoil to a depth of 20 inches is strongly acid, dark yellowish brown silty clay loam. To a depth of 29 inches, it is strongly acid, dark yellowish brown silt loam mottled with gray; to a depth of 48 inches, it is medium acid, yellowish brown silt loam mottled with yellowish brown; and to a depth of 60 inches or more, it is medium acid, light brownish gray silt loam mottled with yellowish brown.

This soil is moderate in fertility. Plant roots penetrate the soil easily, and water and air move at a moderately slow rate through the soil. Water runs off the surface at a medium rate. The seasonal high water table fluctuates between depths of 1.5 and 3 feet during December through April. The surface layer is wet for significant periods in winter and spring. Sufficient water is available to plants in most years.

Included with this soil in mapping are a few small areas of Memphis, Frost, and Patoutville soils. Also included are small areas of Coteau soils that have slopes of more than 3 percent.

Most of the acreage is in cropland and pastureland. A small acreage is in urban use.

Potential as cropland and pastureland is good. The loamy texture makes this soil favorable for cultivated crops; however, the very gentle slopes are a less favorable feature for this use. Erosion is a concern when the soil is bare. The main suitable crops are sugarcane, soybeans, corn, truck crops, and sweet potatoes. The main suitable pasture plants are common bermudagrass, improved bermudagrass, bahiagrass, white clover, ryegrass, southern wild winter peas, vetch, and annual lespedeza. This soil is friable and easy to keep in good tilth. It can be worked over a wide range of moisture content. Traffic pans form easily but can be broken up by deep plowing or chiseling. Proper management of crop residue helps maintain organic matter content and reduce soil losses by erosion. Stripcropping or contour farming is needed on cropland to help reduce erosion. Most crops and pasture plants respond to complete fertilizer. Lime is generally needed.

Potential for urban use is fair. Wetness is a limitation to such uses as septic tank absorption fields, sanitary landfills, homesites, and local roads and streets. Low strength is a limitation when the soil is used as foundations or construction materials.

Potential for intensive recreation areas is fair. Wetness is a limitation to such uses as playgrounds and golf courses; however, the very gentle slopes make this soil favorable for golf courses. Capability subclass IIw; woodland suitability group 1w8.

7—Crowley silt loam. This nearly level soil is on broad, convex drainage divides on the terrace upland in the western part of the parish. It formed in mixed loess and alluvium. It is in areas of about 10 to 100 acres. Slopes are less than 1 percent.

Typically, the surface layer is neutral, dark grayish brown silt loam about 6 inches thick. The subsurface layer is moderately alkaline, grayish brown silt loam that extends to a depth of 14 inches. The subsoil to a depth of 27 inches is strongly acid, grayish brown silty clay mottled with red; to a depth of 46 inches, it is medium acid, gray

41-05

silty clay loam mottled with yellowish brown; and to a depth of 75 inches or more, it is slightly acid, gray silty clay loam mottled with yellowish brown.

This soil is moderate in fertility. Plant roots penetrate the soil easily, and water and air move at a very slow rate through the soil. Water runs off the surface at a slow rate. The seasonal high water table is perched above the clayey subsoil and fluctuates between a depth of 0.5 and 1.5 feet during December through April. In places, soils that have a strongly developed traffic pan do not have a seasonal high water table. The surface layer is wet for significant periods in winter and spring. Sufficient water is available to plants in most years.

Included with this soil in mapping are a few small areas of Frost, Mowata, Jeanerette, and Patoutville soils.

Most of the acreage is in cropland and pastureland. A small acreage is in urban use.

Potential as cropland and pastureland is good. The nearly level slopes and loamy texture make this soil favorable for cultivated crops; however, wetness is a less favorable feature for this use. The main suitable crops are soybeans and rice. The main suitable pasture plants are common bermudagrass, bahiagrass, ryegrass, improved bermudagrass, vetch, southern wild winter peas, and annual lespedeza. This soil is friable and easy to keep in good tilth; however, surface crusting can be a concern. The soil can be worked over a somewhat wide range of moisture content. Traffic pans develop easily but can be broken up by deep plowing or chiseling. A surface drainage system is generally needed for cropland and pastureland. Land grading and smoothing improve surface drainage and increase the efficiency of farm equipment. Irrigation is needed for rice. Proper management of crop residue helps maintain organic matter content, reduce surface crusting, and reduce soil losses by erosion. Most crops and pasture plants respond well to complete fertilizer. Lime is generally needed except in areas that receive frequent irrigation.

Potential for urban use is poor. Wetness is a limitation to such uses as septic tank absorption fields, sanitary landfills, homesites, and local roads and streets. High shrink-swell potential is a limitation to use as foundations or construction material.

Potential for intensive recreation areas is poor. Wetness is a limitation to such uses as playgrounds and golf courses. Capability subclass IIIw; woodland suitability group 2w9.

8—Fausse association. This association consists of level soils in low, depressional areas on the alluvial plain. The soils formed in clayey alluvium. They are in a somewhat large area of about 250 to 1,000 acres in low backswamp of Beau Bassin and Bayou Tortue in the eastern part of the parish. Elevations are generally less than 10 feet. There is little or no runoff from these areas. Slopes are less than 0.25 percent.

A typical area of this map unit is about 80 percent Fausse soils. Sharkey soils, soils that are similar to Fausse soils but that have a subsoil of very dark gray, and soils that are similar to Fausse soils but that have semifluid underlying layers make up the remaining 20 percent of the map unit. The soils that have semifluid layers and those that have the very dark gray subsoil are at low elevations in the deeper depressions throughout mapped areas; Sharkey soils are on the slight ridges.

Typically, the surface layer is medium acid, very dark grayish brown clay about 7 inches thick. The subsoil, to a depth of 37 inches, is neutral, dark gray clay. The underlying material, to a depth of 60 inches or more, is neutral, dark greenish gray clay.

Fausse soils are high in fertility. They are flooded most of the time by runoff from higher areas and backwater from major streams. Floodwaters seldom exceed a depth of 4 feet. During periods when the soils are not flooded, the water table fluctuates between 20 inches below and 6 inches above the surface. Water and air move at a very slow rate through these soils.

Almost all of the acreage is in woodland and is used primarily for wildlife habitat.

Potential as cropland, as pastureland, for urban use, and for intensive recreation areas is very poor because of flooding. If soil wetness and flooding were controlled, however, these soils would have good potential as cropland and pastureland and poor potential for urban use and intensive recreation areas. Capability subclass VIIw; woodland suitability group 4w6.

9—Frost silt loam. This nearly level soil is on broad flats on the terrace upland throughout the parish. It formed in loess deposits. It is in areas of about 10 to 600 acres. Slopes are less than 1 percent.

Typically, the surface layer is slightly acid, dark gray silt loam about 7 inches thick. The subsurface layer, to a depth of 14 inches, is strongly acid, gray silt loam mottled with dark grayish brown. The subsoil to a depth of 22 inches is very strongly acid, dark gray silty clay loam. To a depth of 33 inches, it is very strongly acid, gray silty clay loam mottled with dark yellowish brown; to a depth of 46 inches, it is medium acid, gray silty clay loam mottled with dark yellowish brown; and to a depth of 60 inches or more, it is slightly acid, gray silt loam mottled with dark yellowish brown.

This soil is moderate in fertility. Plant roots penetrate the soil easily. Water and air move at a slow rate through the soil. Water runs off the surface at a slow rate. The seasonal high water table fluctuates between a depth of 1.5 feet and the surface during December through April. The surface layer is wet for long periods in winter and spring. This soil dries out more slowly than most of the adjoining soils at higher elevations. Sufficient water is available to plants in most years.

Included with this soil in mapping are a few small areas of Coteau, Acy, Patoutville, Mowata, and Jeanerette soils.

Most of the acreage is in cropland and pastureland. A small acreage is in urban use.

Potential as cropland and pastureland is fair. The nearly level slopes and loamy texture make this soil favorable for crops; however, wetness is a less favorable

41-06

feature for this use. The main suitable crops are soybeans, rice, sugarcane, sweet potatoes, and truck crops. The main suitable pasture plants are common bermudagrass, bahiagrass, ryegrass, improved bermudagrass, vetch, southern wild winter peas, and annual lespedeza. This soil is friable and easy to keep in good tilth. It can be worked over a somewhat wide range of moisture content. Traffic pans develop easily but can be broken up by deep plowing or chiseling. A surface drainage system is needed for most cultivated crops and pasture plants. Land grading or smoothing improves surface drainage and increases the efficiency of farm equipment. Proper management of crop residue helps maintain organic matter content and reduce soil losses by erosion. Irrigation is needed for rice. Most crops and pasture plants respond well to complete fertilizers. Lime is generally needed.

Potential for urban use is poor. Wetness is a limitation to such uses as septic tank absorption fields, sanitary landfills, homesites, and local roads and streets. Low strength is a limitation to use as foundations or construction material.

Potential for intensive recreation areas is poor mainly because of soil wetness. Capability subclass IIIw; woodland suitability group 2w9.

10—Frost soils, occasionally flooded. These nearly level soils are in long, narrow depressions along drainageways on the terrace upland throughout the parish. They formed in mixed loess and alluvial sediments. They are subject to occasional flooding for short periods. Slopes are less than 1 percent.

These soils are in areas of about 10 to 50 acres. Mapped as contain Frost soils, soils that are similar to Frost soils but that have a surface layer of silty clay loam, and soils that are similar to Frost soils but that have an alkaline layer in the upper part of the subsoil. The proportions of these soils vary from place to place. The extent of the soils that are similar to Frost soils is not large; therefore, they were not included in the name of the map unit.

A typical area of this map unit is about 70 percent Frost soils and 20 percent soils that are similar to Frost soils. Minor soils make up 10 percent of the map unit. These include Jeanerette and Patoutville soils. Spoil banks generally are on either side of the drainageways.

Typically, Frost soils have a surface layer of strongly acid, very dark grayish brown silt loam about 8 inches thick. The subsurface layer, to a depth of 25 inches, is very strongly acid, gray silt loam mottled with dark yellowish brown. The subsoil to a depth of 53 inches is strongly acid, gray silty clay loam mottled with yellowish brown. To a depth of 60 inches or more, it is neutral, gray silty clay loam mottled with yellowish brown.

Frost soils are moderate in fertility. Water and air move at a slow rate through the soil, and water runs off the surface at a slow rate. The seasonal high water table is perched above a depth of 3 feet and at times extends to the surface during December through April. The surface layer is wet for long periods in winter and spring. Plants suffer from lack of water during dry periods in summer and fall.

Most of the acreage is in woodland or is idle.

Potential as cropland is poor. The uneven surface interferes with tillage operations, and flooding limits the choice of crops. A suitable crop is soybeans. Potential as pastureland is fair. Suitable pasture plants include common bermudagrass and bahiagrass. These soils are friable and are somewhat easy to keep in good tilth. A surface drainage system is needed on cropland and pastureland to remove excess water from the surface. Proper management of crop residue helps maintain organic matter content and reduce soil losses by erosion. Most crops and pasture plants respond well to complete fertilizer. Lime is generally needed.

Potential for urban use is very poor. Wetness and flooding are limitations when these soils are used for septic tank absorption fields, sanitary landfills, homesites, and local roads and streets. Low strength is a limitation when the soil is used as foundations or construction material.

Potential for intensive recreation areas is poor. Wetness and flooding are the main limitations. Capability subclass IVw; woodland suitability group 2w9.

11—Gallion silt loam. This nearly level soil is on the very narrow natural levee of Bayou Vermilion on the alluvial plain in the eastern part of the parish. It formed in loamy alluvium. It is in areas of about 10 to 75 acres. Slopes are less than 1 percent.

Typically, the surface layer is slightly acid, brown silt loam about 7 inches thick. The subsoil to a depth of 19 inches is neutral, yellowish red silty clay loam. To a depth of 46 inches, it is moderately alkaline, yellowish red, stratified very fine sandy loam and silt loam. The underlying material, to a depth of 60 inches or more, is moderately alkaline, dark gray silty clay loam.

This soil is moderately high in fertility. Plant roots penetrate the soil easily, and water and air move at a moderate rate through the soil. Water runs off the surface at a slow rate. The soil is not wet. Typically, the seasonal high water table is at a depth of more than 6 feet; in places, however, it is at a depth of 4 to 6 feet during December through April. Sufficient water is available to plants in most years.

Included with this soil in mapping are a few small areas of Iberia and Baldwin soils.

Most of the acreage is in cropland, pastureland, and urban use.

Potential as cropland and pastureland is very good. The nearly level slopes and high fertility make this soil favorable for cultivated crops and pasture plants. The use of multirow equipment is restricted because in most places rows must be short.

The main suitable crops are soybeans, corn, sugarcane, grain sorghum, and truck crops. The main suitable pasture plants are common bermudagrass, bahiagrass, white clover, improved bermudagrass, and ryegrass. The

41-07

CERCLIS No.: LA0000605278

Reference 42

TDD No.: S06-00-02-0022

PREFACE

U.S. DEPARTMENT OF COMMERCE
LUTHER H. HODGES, Secretary

REF 4

WEATHER BUREAU
F.W. REICHELDERFER, Chief

TECHNICAL PAPER NO. 40

RAINFALL FREQUENCY ATLAS OF THE UNITED STATES

for Durations from 30 Minutes to 24 Hours and Return Periods from 1 to 100 Years

Prepared by
DAVID M. HERSHFIELD
Cooperative Studies Section, Hydrologic Services Division
for
Engineering Division, Soil Conservation Service
U.S. Department of Agriculture

NOTICE
Rainfall-frequency information for durations of 1 hour and less for the Central and Eastern States has been superseded by NOAA Technical Memorandum NWS HYDRO-35 Five to Sixty-Minute Precipitation Frequency for the Eastern and Central United States. This publication (Accession No. PB 272-112/AS) is obtainable from:

National Technical Information Service
5285 Port Royal Road
Springfield, VA 22161

THIS ATLAS IS OBSOLETE FOR THE FOLLOWING 11 WESTERN STATES: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

NOAA ATLAS 2: PRECIPITATION-FREQUENCY ATLAS OF THE WESTERN UNITED STATES (GPO: 11 Vols., 1973) supersedes the Technical Paper 40 data for these states.

All but 3 of the 11 state volumes are out of print, and no reprint is presently planned.

Institutions in the eleven western states likely to have copies of these volumes for their state for public inspection are:

US Department of Agriculture Soil Conservation Service Offices
US Army Corps of Engineers Offices
Selected University Libraries
National Weather Service Offices (may also have volumes for adjacent states).
National Weather Service Forecast Offices (may have all eleven [illegible]es)

Elsewhere, libraries of universities where hydrology and met[illegible] programs are offered may shelve some of the eleven volumes.

The three volumes in print as of 1 Jan 1983 at the G[illegible]

Vol	State	GPO Stock Number
IV	New Mexico	003-017-00158-0
VI	Utah	003-017
VII	Nevada	003[illegible]

The [illegible]

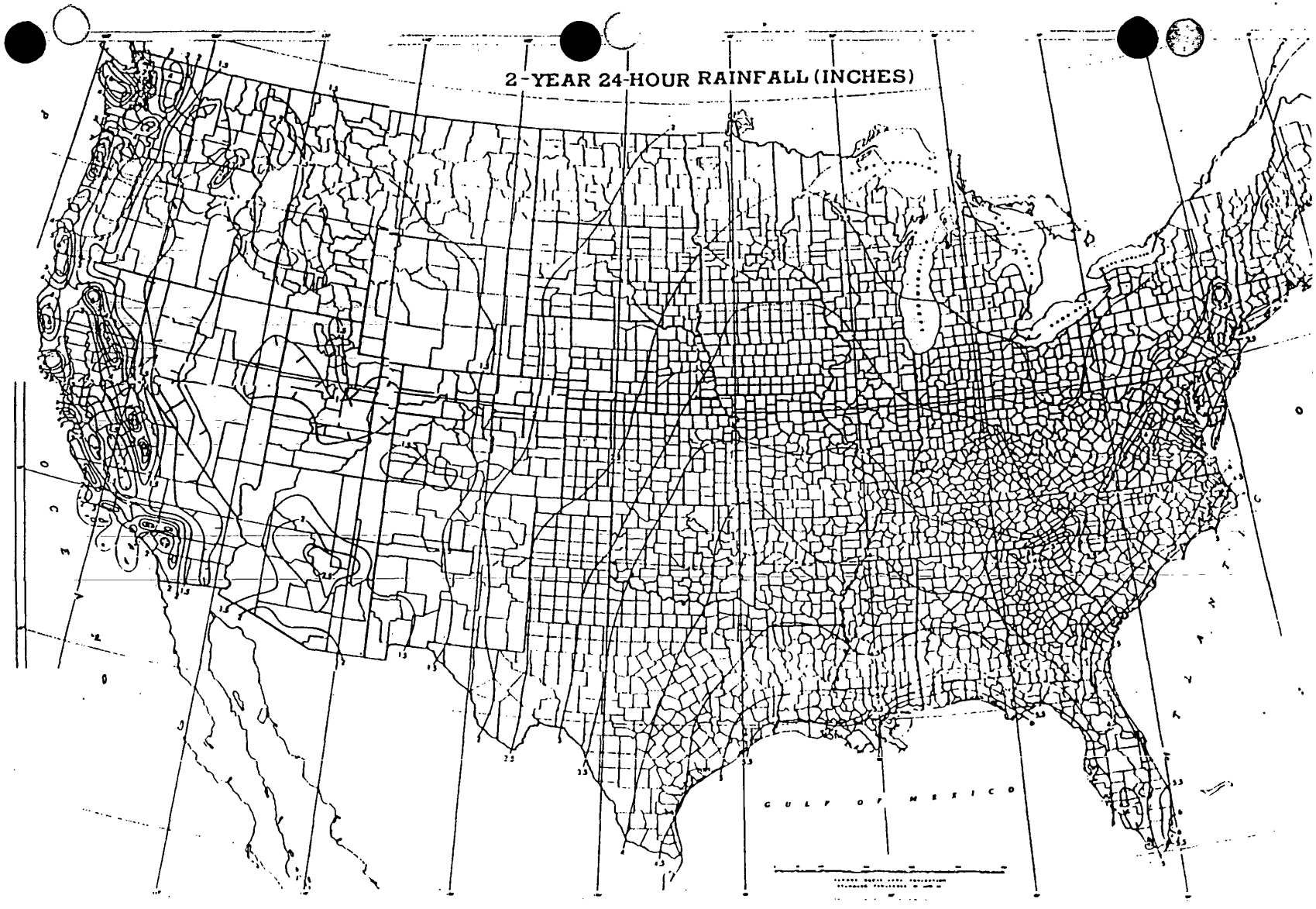
WASHINGTON, D.C.
May 1961

8011

42-01

recycled paper

000536



42-02

CERCLIS No.: LA0000605278

Reference 43

TDD No.: S06-00-02-0022

Amanda

unable to read your map. This is my best guess.

Janet

274-4354

APPROXIMATE SCALE

1000 0 1000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM FILE

FLOOD INSURANCE RATE MAP

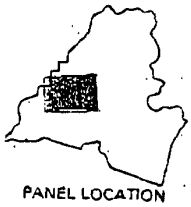
LAFAYETTE PARISH, LOUISIANA AND INCORPORATED AREAS

PANEL 40 OF 80

(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
DUSON, TOWN OF	220104	0040	H
LAFAYETTE, CITY OF	220105	0040	H
SCOTT, CITY OF	220106	0040	H
UNINCORPORATED AREAS	220101	0040	H

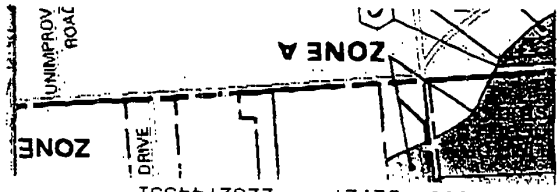


PANEL LOCATION

MAP NUMBER
22055C0040 H

MAP REVISED:
JANUARY 20, 1999

Federal Emergency Management Agency



04/07/2000 12:27 2252744351

43-01

DOTD

PAGE 01

000539

J

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A No base flood elevations determined.

ZONE AE Base flood elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding; velocities also determined.

ZONE A99 To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.

ZONE V Coastal flood with velocity hazard (wave action); no base flood elevations determined.

ZONE VE Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

ZONE X Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

ZONE X Areas determined to be outside 500-year floodplain.

ZONE D Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS†

Identified 1983 | Identified 1990 | Otherwise Protected Areas

†Coastal barrier areas are normally located within or adjacent to special flood hazard areas.

Floodplain Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet*

D — D — Cross Section Line

(EL 987) — Base Flood Elevation in Feet Where Uniform Within Zone*

RM 7x — Elevation Reference Mark

•M1.5 — River Mile

*Referenced to the National Geodetic Vertical Datum of 1929

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas. The community map repository should be consulted for possible updated flood hazard information prior to use of this map for property purchase or construction purposes.

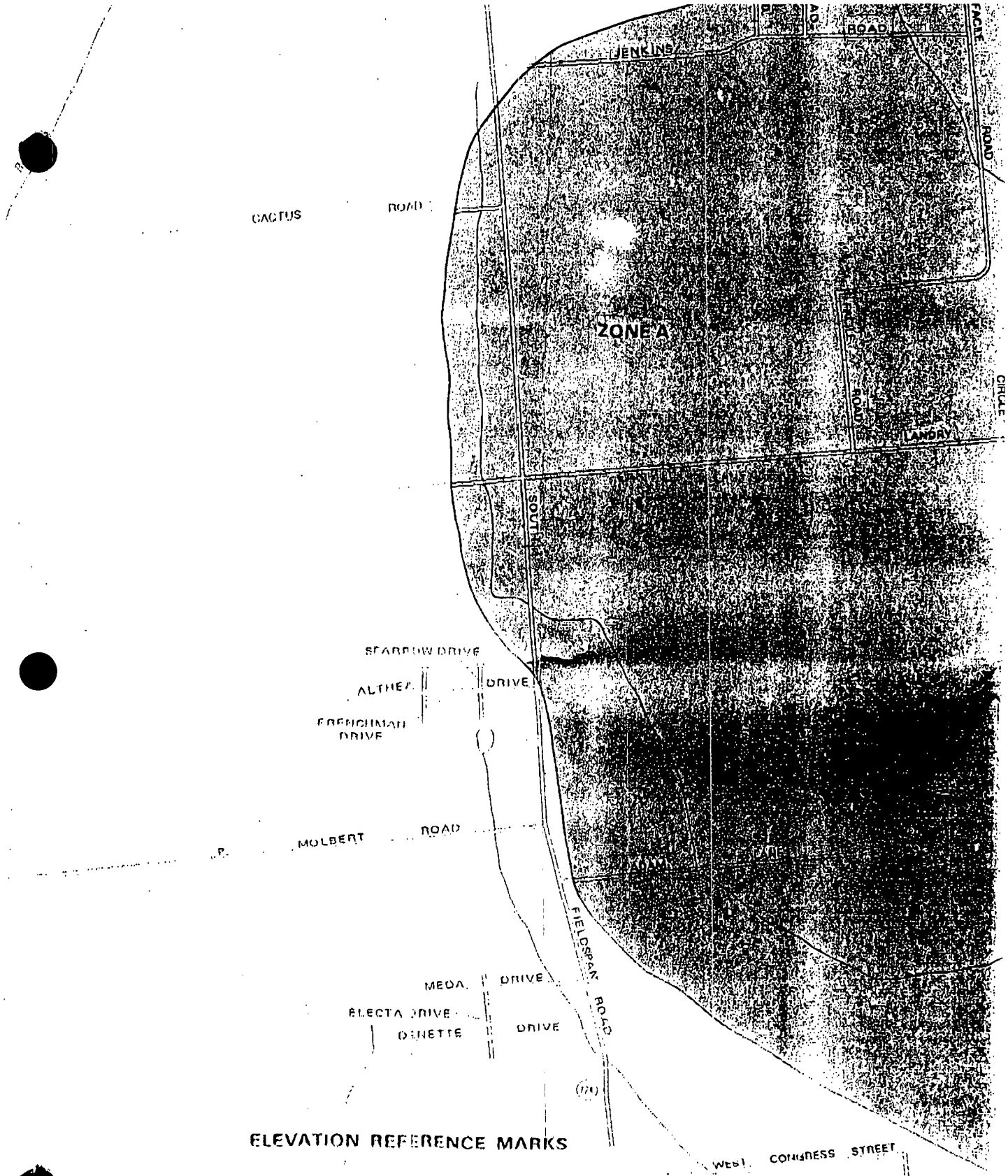
Coastal base flood elevations apply only landward of 0.0 NGVD, and include the effects of wave action; these elevations may also differ significantly from those developed by the National Weather Service for hurricane evacuation planning.

Areas of special flood hazard (100-year flood) include Zones A, AE, AH, AO, A99, V, and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated

43-02



ELEVATION REFERENCE MARKS

43-03

REFERENCE MARK	ELEVATION IN FT. (NGVD)	DESCRIPTION OF LOCATION
RM96.	32.59	Brass cap stamped "7 16 1955" set in top of concrete monument, 72.5 feet south of U. S. Highway 90 centerline, 45 feet west of the

CERCLIS No.: LA0000605278

Reference 44

TDD No.: S06-00-02-0022

Brian Maillet
Print Originator's Name
Ecology and Environment, Inc.

RECORD OF COMMUNICATION

Conversation with:

Date 05/10/00
(Mo) (Day) (Year)

Name Jack Deshotels

Address LDEQ - Water Surveillance

Time 1:45 AM/PM

[ ] Originator Placed Call

[X] Originator Received Call

Phone 337-262-5584
(Area Code) (Number)

TDD# ~~[illegible]~~ PAN# 109065AXX

Subject Targets in the Surface Water Pathway

Discussion: Mr. Deshotels stated that the Coulee Ile des Cannes is a navigable, major drainage waterway for the area. Recreational fishing does occur along the bayou estimated at approximately 100 lbs per year. Both commercial and recreational fishing occurs in the Vermillion River for this area at approximately greater than 1,000 lbs per year

Follow-Up-Action:

Originator's Signature:

44-01

CERCLIS No.: LA0000605278

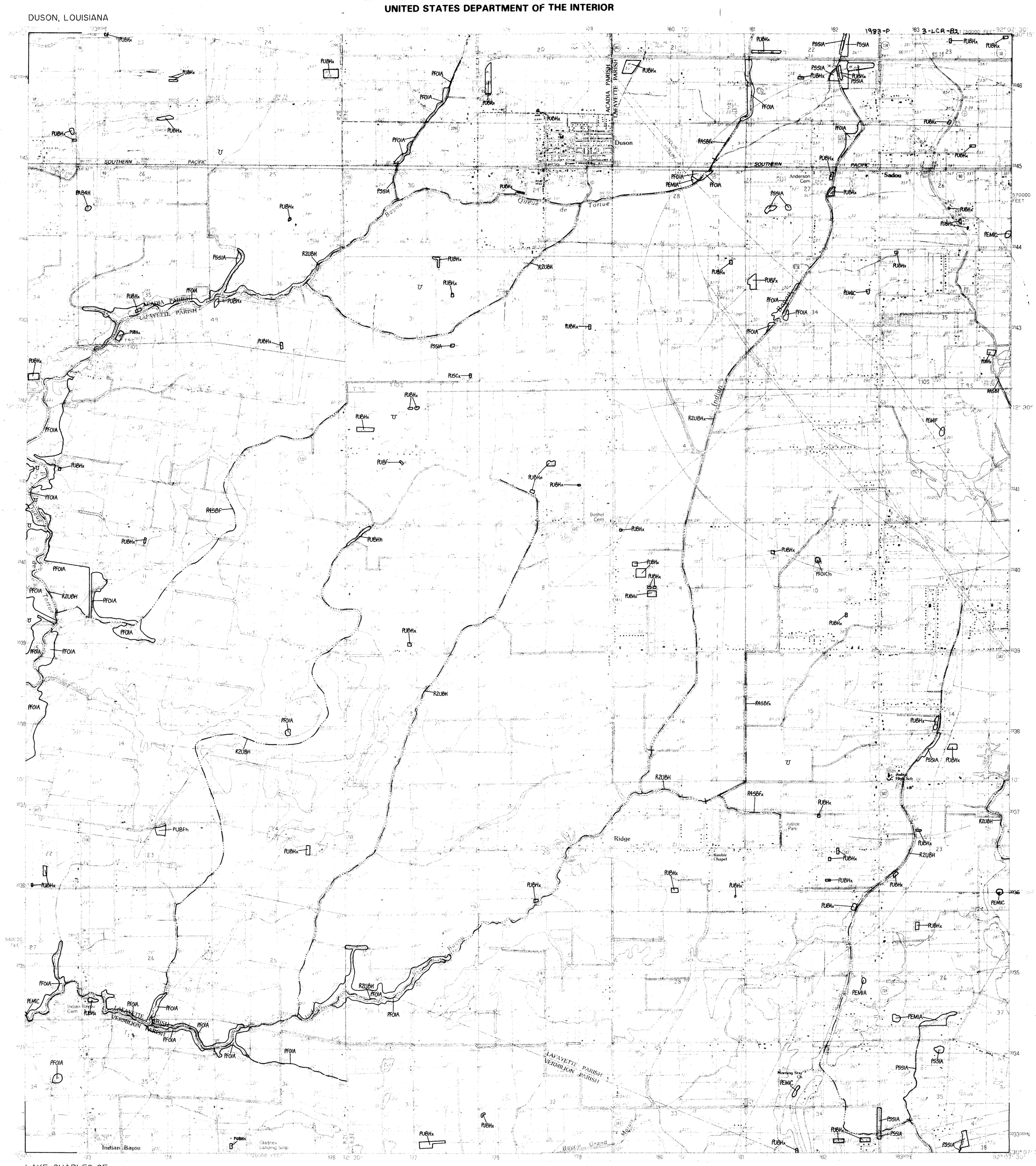
Reference 45

TDD No.: S06-00-02-0022

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

DUSON, LOUISIANA



LAKE CHARLES SE
CROWLEY

DUSON, LOUISIANA

SCALE 1:24 000

1 MILE — 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET — 1 KILOMETER

1 acre · 5 acres · 10 acres · 20 acres · 40 acres

ACREAGE GUIDE

For information on availability of NWI maps, call 1-800-USA-MAPS.

Regional Director (ARDE) Region IV
U.S. Fish and Wildlife Service
75 Spring Street S.W.
Atlanta, Georgia 30303

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deepwater Habitats of the United States** (FWS/OBS - 79/31 December 1979). The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. **Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.**

SYMBOLOGY EXAMPLE

SYSTEM
SUBSYSTEM
CLASS
L2EM2F
SUBCLASS. WATER REGIME
UPLAND (NON-WETLAND)
R2UBH
(LINEAR DEEPWATER HABITAT)

Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

NOTES TO THE USER

- Subsystems, Classes, Subclasses, and Water Regimes in *Italics* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R4SB, R4SBW, OR R4SBJ (INTERMITTENT STREAMS) may not meet the definition of wetland.
- This map uses the class Unconsolidated Shore (US). On earlier NWI maps that class was designated Beach/Bar (BB), or Flat (FL). Subclasses remain the same in both versions.

AERIAL PHOTOGRAPHY

DATE:	11/ /88	/ /
SCALE:	1:65 000	
TYPE:	CIR	

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Prepared by National Wetlands Inventory

1992

M — MARINE

SYSTEM / SUBSYSTEM / CLASS / Subclass

1 — SUBTIDAL: RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 3 Rooted Vascular, 5 *Unknown Submergent*); RF — REEF (1 Coral, 3 Worm); OW — *OPEN WATER/ Unknown Bottom*

2 — INTERTIDAL: AB — AQUATIC BED (1 Algal, 3 Rooted Vascular, 5 *Unknown Submergent*); RF — REEF (1 Coral, 3 Worm); RS — ROCKY SHORE (1 Bedrock, 2 Rubble); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic)

E — ESTUARINE

1 — SUBTIDAL: RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); RF — REEF (2 Mollusc, 3 Worm); OW — *OPEN WATER/ Unknown Bottom*

2 — INTERTIDAL: AB — AQUATIC BED (1 Algal, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); RF — REEF (2 Mollusc, 3 Worm); SB — STREAMBED (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); RS — ROCKY SHORE (1 Bedrock, 2 Rubble); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); EM — EMERGENT (1 Persistent, 2 Nonpersistent); SS — SCRUB-SHRUB (1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*); FO — FORESTED (1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*)

R — RIVERINE

SYSTEM / SUBSYSTEM / CLASS / Subclass

1 — TIDAL: RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic)

2 — LOWER PERENNIAL: *SB — STREAMBED (1 Bedrock, 2 Rubble, 3 Cobble-Gravel, 4 Sand, 5 Mud, 6 Organic, 7 Vegetated); AB — AQUATIC BED (1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); RS — ROCKY SHORE (1 Bedrock, 2 Rubble); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated); **EM — EMERGENT (2 Nonpersistent)

3 — UPPER PERENNIAL

4 — INTERMITTENT

5 — *UNKNOWN PERENNIAL*; OW — *OPEN WATER/ Unknown Bottom*

*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS

L — LACUSTRINE

1 — LIMNETIC: RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); OW — *OPEN WATER/ Unknown Bottom*

2 — LITTORAL: RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); RS — ROCKY SHORE (1 Bedrock, 2 Rubble); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated); EM — EMERGENT (2 Nonpersistent); OW — *OPEN WATER/ Unknown Bottom*

P — PALUSTRINE

SYSTEM / CLASS / Subclass

RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated); ML — MOSS-LICHEN (1 Moss, 2 Lichen); EM — EMERGENT (1 Persistent, 2 Nonpersistent); SS — SCRUB-SHRUB (1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*); FO — FORESTED (1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*); OW — *OPEN WATER/ Unknown Bottom*

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system

WATER REGIME

Non-Tidal

A Temporarily Flooded
B Saturated
C Seasonally Flooded
D *Seasonally Flooded/ Well Drained*
E *Seasonally Flooded/ Saturated*
F Semipermanently Flooded
G Intermittently Exposed
H Permanently Flooded
J Intermittently Flooded
K Artificially Flooded
W Intermittently Flooded/Temporary
Y Saturated/Semipermanent/ Seasonal
Z Intermittently Exposed/Permanent
U *Unknown*

Tidal

K *Artificially Flooded*
L Subtidal
M Irregularly Exposed
N Regularly Flooded
P Irregularly Flooded
*S Temporary-Tidal
*R Seasonal-Tidal
*T Semipermanent-Tidal
*V Permanent-Tidal
U *Unknown*

*These water regimes are only used in tidally influenced, freshwater systems

WATER CHEMISTRY

Coastal Halinity
1 Hyperhaline
2 Euhaline
3 Mixohaline *(Brackish)*
4 Polyhaline
5 Mesohaline
6 Oligohaline
0 Fresh

Inland Salinity
7 Hypersaline
8 Eusaline
9 Mixosaline
0 Fresh

pH Modifiers for all Fresh Water
a Acid
t Circumneutral
i Alkaline

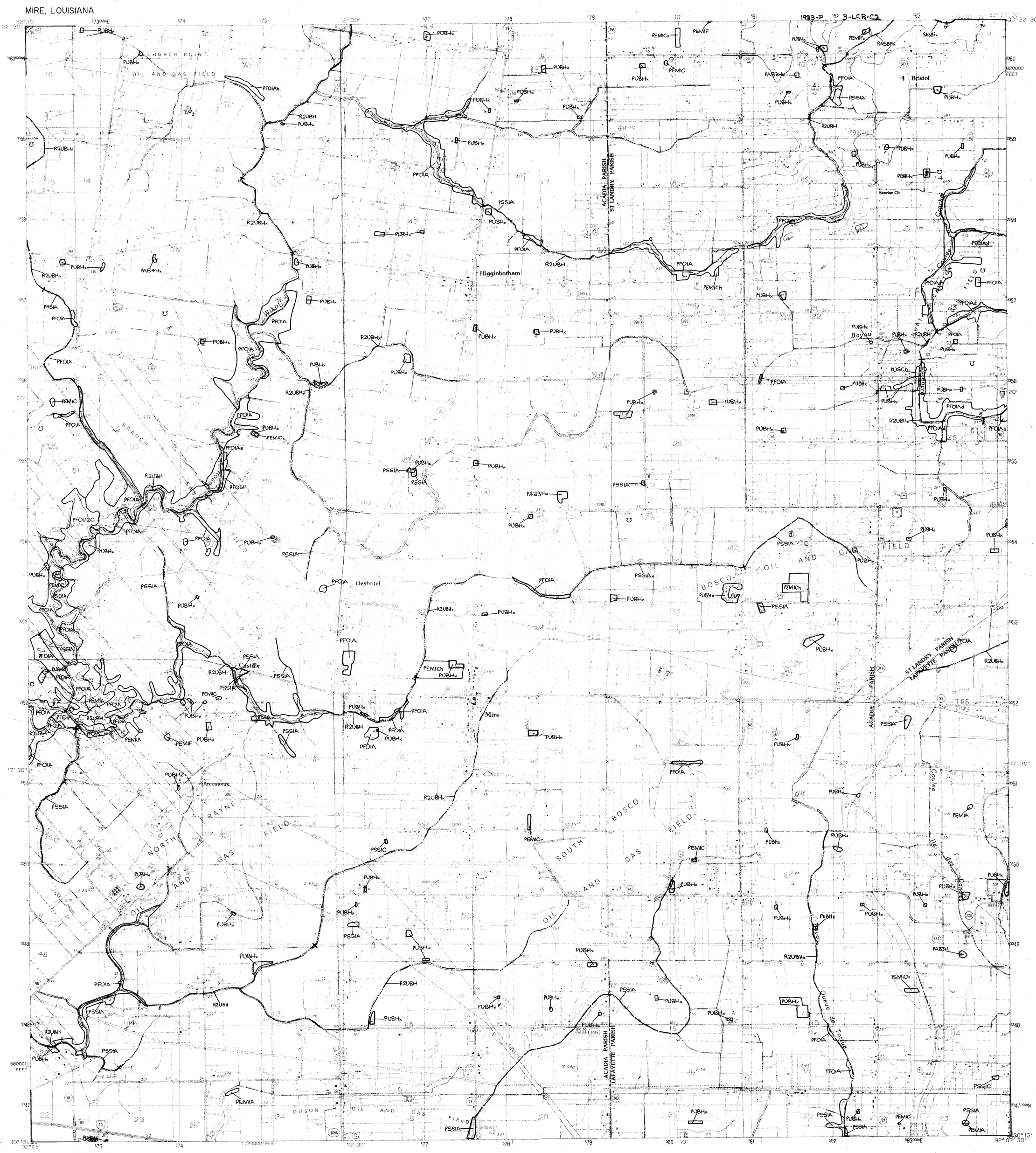
SOIL
g Organic
n Mineral

SPECIAL MODIFIERS
b *Beaver*
d *Partially Drained/ Ditched*
f Farmed
h *Diked/Impounded*
r Artificial Substrate
s *Spoil*
x Excavated

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

MIRE, LOUISIANA



SCALE 1:24 000

1 MILE — 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET — 1 KILOMETER

1 acre — 5 acres — 10 acres — 20 acres — 40 acres

ACREAGE GUIDE

For information on availability of NWI maps, call 1-800-USA-MAPS.

Regional Director (ARDE) Region IV
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75 Spring Street S.W.
Atlanta, Georgia 30303

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SPECIAL NOTE

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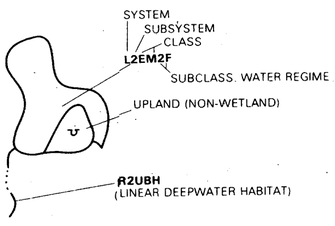
SYMBOLOGY EXAMPLE



Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

NOTES TO THE USER

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- Some areas designated as R4SB, R4SBW, OR R4SBJ (INTERMITTENT STREAMS) may not meet the definition of wetland.
- This map uses the class Unconsolidated Shore (US). On earlier NWI maps that class was designated Beach/Bar (BB), or Flat (FL). Subclasses remain the same in both versions.

AERIAL PHOTOGRAPHY

DATE:	11/ /88	DATE:	/ /
SCALE:	1:65 000	SCALE:	
TYPE:	CIR	TYPE:	

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Prepared by National Wetlands Inventory
1992

M — MARINE

SYSTEM	1 — SUBTIDAL					2 — INTERTIDAL			
SUBSYSTEM									
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	RF — REEF	OW — *OPEN WATER/ Unknown Bottom*	AB — AQUATIC BED	RF — REEF	RS — ROCKY SHORE	US — UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 *Unknown Submergent*	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 *Unknown Submergent*	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

E — ESTUARINE

SYSTEM	1 — SUBTIDAL					2 — INTERTIDAL						
SUBSYSTEM												
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	RF — REEF	OW — *OPEN WATER/ Unknown Bottom*	AB — AQUATIC BED	RF — REEF	SB — STREAMBED	RS — ROCKY SHORE	US — UNCONSOLIDATED SHORE	EM — EMERGENT	SS — SCRUB-SHRUB	FO — FORESTED
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	2 Mollusc 3 Worm		1 Algal 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	2 Mollusc 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 *Deciduous* 7 *Evergreen*	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 *Deciduous* 7 *Evergreen*

R — RIVERINE

SYSTEM	1 — TIDAL		2 — LOWER PERENNIAL		3 — UPPER PERENNIAL		4 — INTERMITTENT	5 — *UNKNOWN PERENNIAL*
SUBSYSTEM								
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	*SB — STREAMBED	AB — AQUATIC BED	RS — ROCKY SHOPE	US — UNCONSOLIDATED SHORE	**EM — EMERGENT	OW — *OPEN WATER/ Unknown Bottom*
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS

L — LACUSTRINE

SYSTEM	1 — LIMNETIC				2 — LITTORAL						
SUBSYSTEM											
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	OW — *OPEN WATER/ Unknown Bottom*	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	RS — ROCKY SHORE	US — UNCONSOLIDATED SHORE	EM — EMERGENT	OW — *OPEN WATER/ Unknown Bottom*
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*		1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

P — PALUSTRINE

SYSTEM								
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	US — UNCONSOLIDATED SHORE	ML — MOSS-LICHEN	EM — EMERGENT	SS — SCRUB-SHRUB	FO — FORESTED	OW — *OPEN WATER/ Unknown Bottom*
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 *Deciduous* 7 *Evergreen*	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 *Deciduous* 7 *Evergreen*	

MODIFIERS

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WATER REGIME

Non-Tidal

- A Temporarily Flooded
- B Saturated
- C Seasonally Flooded
- D *Seasonally Flooded/ Well Drained*
- E *Seasonally Flooded/ Saturated*
- F Semipermanently Flooded
- G Intermittently Exposed
- H Permanently Flooded
- J Intermittently Flooded
- K Artificially Flooded
- W Intermittently Flooded/Temporary
- Y Saturated/Semipermanent/ Seasonal
- Z Intermittently Exposed/Permanent
- U *Unknown*

Tidal

- K *Artificially Flooded*
- L Subtidal
- M Irregularly Exposed
- N Regularly Flooded
- P Irregularly Flooded
- *S Temporary-Tidal
- *R Seasonal-Tidal
- *T Semipermanent-Tidal
- *V Permanent-Tidal
- U *Unknown*

*These water regimes are only used in tidally influenced, freshwater systems.

WATER CHEMISTRY

Coastal Halinity

- 1 Hyperhaline
- 2 Euhaline
- 3 Mixohaline *(Brackish)*
- 4 Polyhaline
- 5 Mesohaline
- 6 Oligohaline
- 0 Fresh

Inland Salinity

- 7 Hypersaline
- 8 Eusaline
- 9 Mixosaline
- 0 Fresh

pH Modifiers for all Fresh Water

- a Acid
- t Circumneutral
- i Alkaline

SOIL

- g Organic
- n Mineral

SPECIAL MODIFIERS

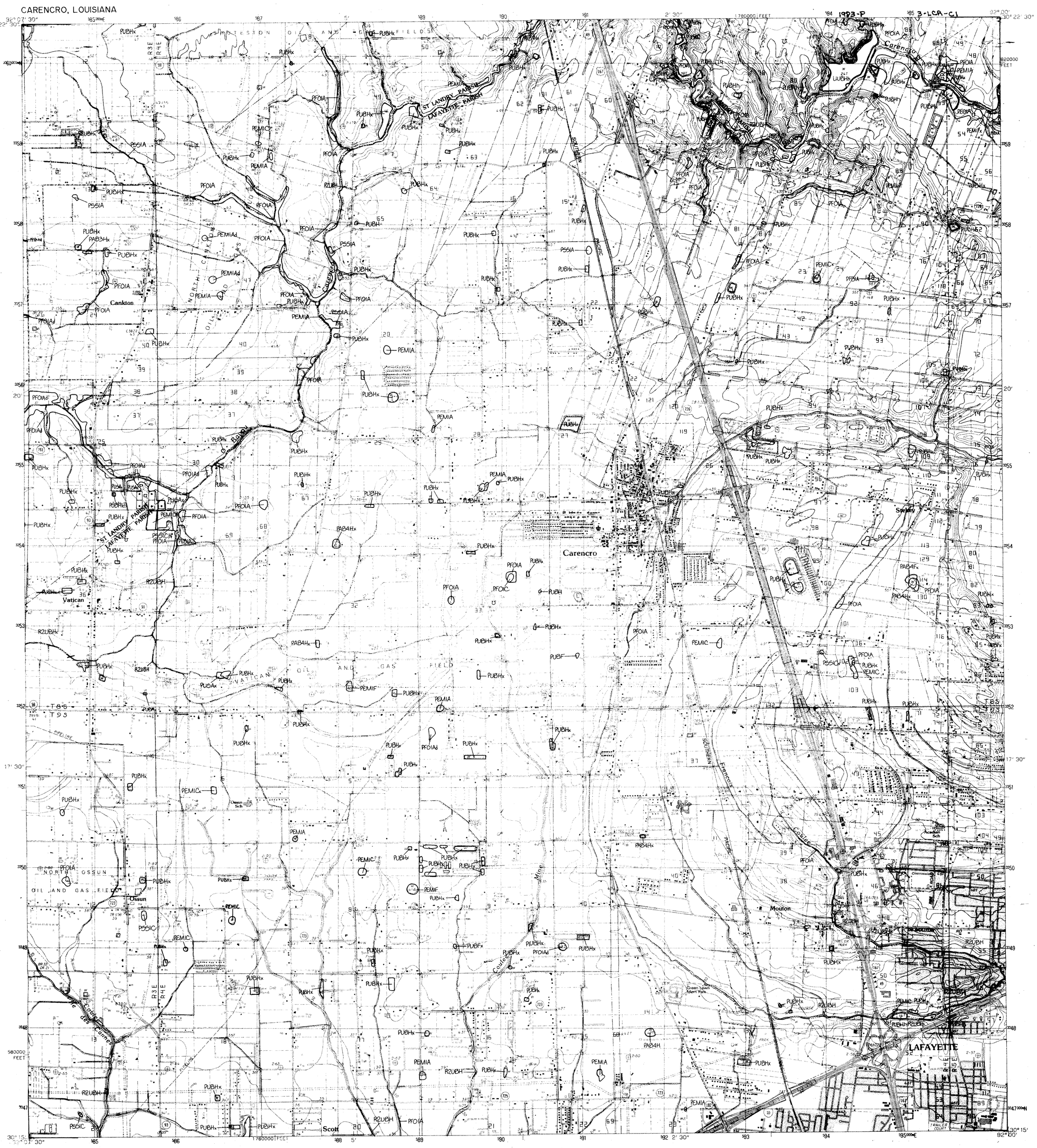
- b *Beaver*
- d *Partially Drained/Ditched*
- f Farmed
- h *Diked/Impounded*
- r Artificial Substrate
- s *Spoil*
- x Excavated

000546

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

CARENCRO, LOUISIANA



CARENCRO, LOUISIANA

SCALE 1:24 000

1 acre · 5 acres · 10 acres · 20 acres · 40 acres

ACREAGE GUIDE

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SYMBOLOGY EXAMPLE

SYSTEM
SUBSYSTEM
CLASS
L2EM2F
SUBCLASS, WATER REGIME
UPLAND (NON-WETLAND)
R2UBH
(LINEAR DEEPWATER HABITAT)

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U — Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

AERIAL PHOTOGRAPHY

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SCALE:	1:65 000	SCALE:	
TYPE:	CIR	TYPE:	

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Prepared by National Wetlands Inventory

1992

SYSTEM — M — MARINE

SUBSYSTEM	1 — SUBTIDAL					2 — INTERTIDAL			
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	RF — REEF	OW — *OPEN WATER/ Unknown Bottom*	AB — AQUATIC BED	RF — REEF	RS — ROCKY SHORE	US — UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 *Unknown Submergent*	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 *Unknown Submergent*	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM — E — ESTUARINE

SUBSYSTEM	1 — SUBTIDAL					2 — INTERTIDAL							
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	RF — REEF	OW — *OPEN WATER/ Unknown Bottom*	AB — AQUATIC BED	RF — REEF	SB — STREAMBED	RS — ROCKY SHORE	US — UNCONSOLIDATED SHORE	EM — EMERGENT	SS — SCRUB-SHRUB	FO — FORESTED
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	2 Mollusc 3 Worm		1 Algal 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	2 Mollusc 3 Worm	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 *Deciduous* 7 *Evergreen*	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 *Deciduous* 7 *Evergreen*

SYSTEM — R — RIVERINE

SUBSYSTEM	1 — TIDAL		2 — LOWER PERENNIAL			3 — UPPER PERENNIAL		4 — INTERMITTENT	5 — *UNKNOWN PERENNIAL*
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	*SB — STREAMBED	AB — AQUATIC BED	RS — ROCKY SHORE	US — UNCONSOLIDATED SHORE	**EM — EMERGENT	OW — *OPEN WATER/ Unknown Bottom*	
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent		

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**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS

SYSTEM — L — LACUSTRINE

SUBSYSTEM	1 — LIMNETIC				2 — LITTORAL						
CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	OW — *OPEN WATER/ Unknown Bottom*	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	RS — ROCKY SHORE	US — UNCONSOLIDATED SHORE	EM — EMERGENT	OW — *OPEN WATER/ Unknown Bottom*
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*		1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SYSTEM — P — PALUSTRINE

CLASS	RB — ROCK BOTTOM	UB — UNCONSOLIDATED BOTTOM	AB — AQUATIC BED	US — UNCONSOLIDATED SHORE	ML — MOSS-LICHEN	EM — EMERGENT	SS — SCRUB-SHRUB	FO — FORESTED	OW — *OPEN WATER/ Unknown Bottom*
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 *Unknown Submergent* 6 *Unknown Surface*	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 *Deciduous* 7 *Evergreen*	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 *Deciduous* 7 *Evergreen*	

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F Semipermanently Flooded
G Intermittently Exposed
H Permanently Flooded
J Intermittently Flooded
K Artificially Flooded
W Intermittently Flooded/Temporary
Y Saturated/Semipermanent/ Seasonal
Z Intermittently Exposed/Permanent
U *Unknown*

Tidal

K *Artificially Flooded*
L Subtidal
M Irregularly Exposed
N Regularly Flooded
P Irregularly Flooded
*S Temporary-Tidal
*R Seasonal-Tidal
*T Semipermanent-Tidal
*V Permanent-Tidal
U *Unknown*

*These water regimes are only used in tidally influenced, freshwater systems

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Coastal Halinity

1 Hyperhaline
2 Euhaline
3 Mixohaline *(Brackish)*
4 Polyhaline
5 Mesohaline
6 Oligohaline
0 Fresh

Inland Salinity

7 Hypersaline
8 Eusaline
9 Mixosaline
0 Fresh

pH Modifiers for all Fresh Water

a Acid
t Circumneutral
i Alkaline

SOIL

g Organic
n Mineral

SPECIAL MODIFIERS

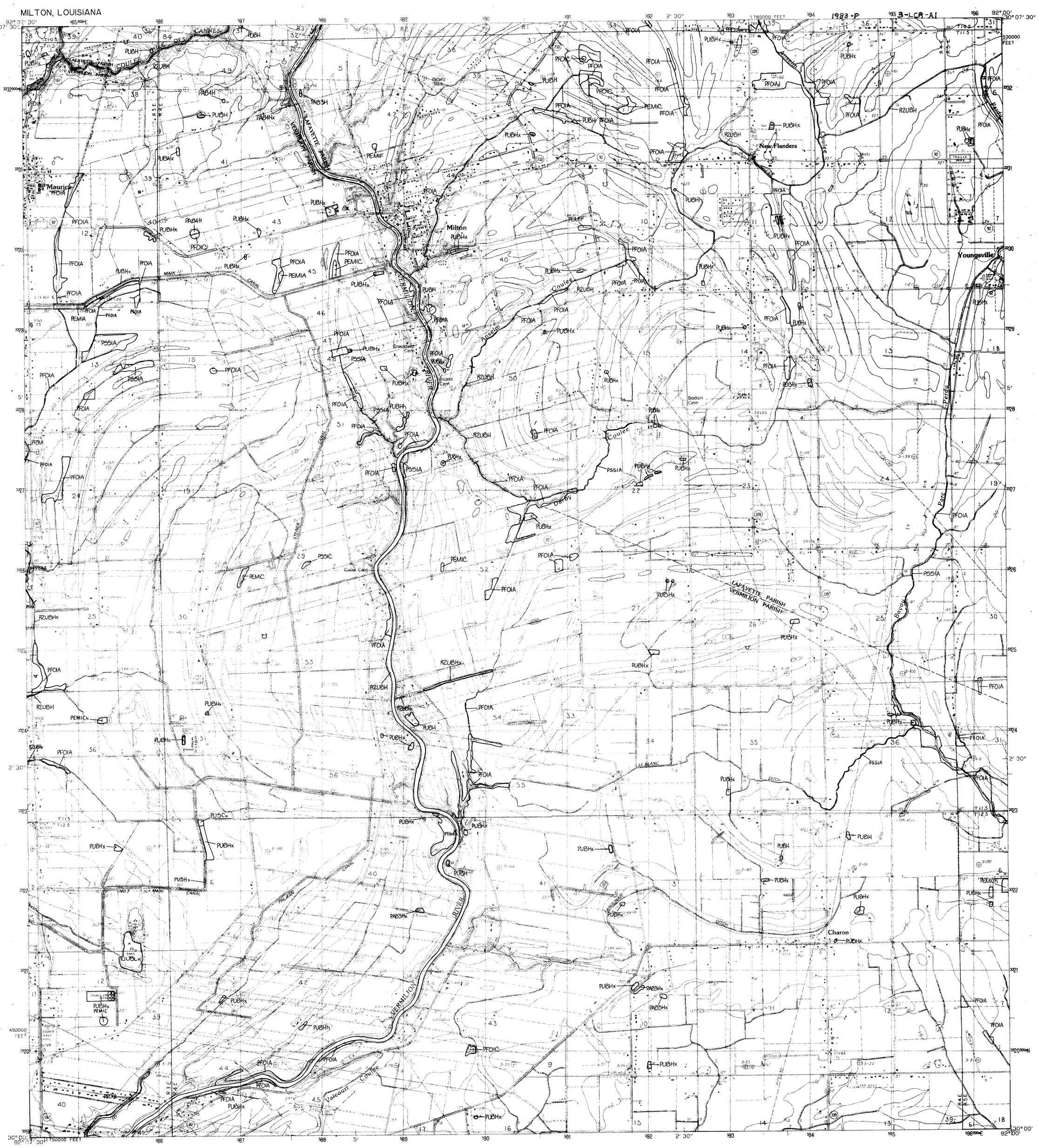
b *Beaver*
d *Partially Drained/Ditched*
f Farmed
h *Diked/Impounded*
r Artificial Substrate
s *Spoil*
x Excavated

000547

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

MILTON, LOUISIANA



LAKE CHARLES SE
CROWLEY

MILTON, LOUISIANA

SCALE 1:24 000

1 acre · 5 acres · 10 acres · 20 acres · 40 acres

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Federal, State and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, State or local government or to establish the geographical scope of the regulatory programs of government agencies. **Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, State or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.**

SYMBOLOGY EXAMPLE

SYSTEM
SUBSYSTEM
CLASS
L2EM2
SUBCLASS, WATER REGIME
UPLAND (NON-WETLAND)
R2UBH
(LINEAR DEEPWATER HABITAT)

Primarily represents **upland** areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

NOTES TO THE USER

- Subsystems, Classes, Subclasses, and Water Regimes in *Italics* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R4SB, R4SBW, OR R4SBJ (INTERMITTENT STREAMS) may not meet the definition of wetland.
- This map uses the class Unconsolidated Shore (US). On earlier NWI maps that class was designated Beach/Bar (BB), or Flat (FL). Subclasses remain the same in both versions.

AERIAL PHOTOGRAPHY

DATE:	11/ /88	/ /
SCALE:	1:65 000	
TYPE:	CIR	

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Prepared by National Wetlands Inventory
1992

SYSTEM: M — MARINE
- SUBSYSTEM 1 — SUBTIDAL: CLASS RB — ROCK BOTTOM (Subclass 1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 3 Rooted Vascular, 5 *Unknown Submergent*); RF — REEF (1 Coral, 3 Worm); OW — *OPEN WATER/ Unknown Bottom*
- SUBSYSTEM 2 — INTERTIDAL: AB — AQUATIC BED (1 Algal, 3 Rooted Vascular, 5 *Unknown Submergent*); RF — REEF (1 Coral, 3 Worm); RS — ROCKY SHORE (1 Bedrock, 2 Rubble); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic)

SYSTEM: E — ESTUARINE
- SUBSYSTEM 1 — SUBTIDAL: CLASS RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); RF — REEF (2 Mollusc, 3 Worm); OW — *OPEN WATER/ Unknown Bottom*
- SUBSYSTEM 2 — INTERTIDAL: AB — AQUATIC BED (3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); RF — REEF (2 Mollusc, 3 Worm); SB — STREAMBED (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); RS — ROCKY SHORE (1 Bedrock, 2 Rubble); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); EM — EMERGENT (1 Persistent, 2 Nonpersistent); SS — SCRUB-SHRUB (1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*); FO — FORESTED (1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*)

SYSTEM: R — RIVERINE
- SUBSYSTEM 1 — TIDAL: CLASS RB — ROCK BOTTOM (Subclass 1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic)
- SUBSYSTEM 2 — LOWER PERENNIAL: CLASS *SB — STREAMBED (1 Bedrock, 2 Rubble, 3 Cobble-Gravel, 4 Sand, 5 Mud, 6 Organic, 7 Vegetated); AB — AQUATIC BED (1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); RS — ROCKY SHORE (1 Bedrock, 2 Rubble); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated)
- SUBSYSTEM 3 — UPPER PERENNIAL: CLASS **EM — EMERGENT (2 Nonpersistent); OW — *OPEN WATER/ Unknown Bottom*
- SUBSYSTEM 4 — INTERMITTENT
- SUBSYSTEM 5 — *UNKNOWN PERENNIAL*

*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM: L — LACUSTRINE
- SUBSYSTEM 1 — LIMNETIC: CLASS RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); OW — *OPEN WATER/ Unknown Bottom*
- SUBSYSTEM 2 — LITTORAL: CLASS RB — ROCK BOTTOM (1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); RS — ROCKY SHORE (1 Bedrock, 2 Rubble); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated); EM — EMERGENT (2 Nonpersistent); OW — *OPEN WATER/ Unknown Bottom*

SYSTEM: P — PALUSTRINE
- CLASS RB — ROCK BOTTOM (Subclass 1 Bedrock, 2 Rubble); UB — UNCONSOLIDATED BOTTOM (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic); AB — AQUATIC BED (1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*); US — UNCONSOLIDATED SHORE (1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated); ML — MOSS-LICHEN (1 Moss, 2 Lichen); EM — EMERGENT (1 Persistent, 2 Nonpersistent); SS — SCRUB-SHRUB (1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*); FO — FORESTED (1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*); OW — *OPEN WATER/ Unknown Bottom*

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system

WATER REGIME			WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS	
Non-Tidal		Tidal	Coastal Halinity	Inland Salinity	pH Modifiers for all Fresh Water			
A Temporarily Flooded	H Permanently Flooded	K *Artificially Flooded*	1 Hyperhaline	7 Hypersaline	a Acid	g Organic	b *Beaver*	h *Diked/Impounded*
B Saturated	J Intermittently Flooded	L Subtidal	2 Euhaline	8 Eusaline	t Circumneutral	n Mineral	d *Partially Drained/Ditched*	r Artificial Substrate
C Seasonally Flooded	K Artificially Flooded	M Irregularly Exposed	3 Mixohaline *(Brackish)*	9 Mixosaline	i Alkaline		f Farmed	s *Spoil*
D *Seasonally Flooded/ Well Drained*	W Intermittently Flooded/Temporary	N Regularly Flooded	4 Polyhaline	O Fresh				x Excavated
E *Seasonally Flooded/ Saturated*	Y Saturated/Semipermanent/ Seasonal	P Irregularly Flooded	5 Mesohaline					
F Semipermanently Flooded	Z Intermittently Exposed/Permanent	*S Temporary-Tidal	6 Oligohaline					
G Intermittently Exposed	U *Unknown*	*R Seasonal-Tidal	O Fresh					
		*T Semipermanent-Tidal						
		*V Permanent-Tidal						
		U *Unknown*						

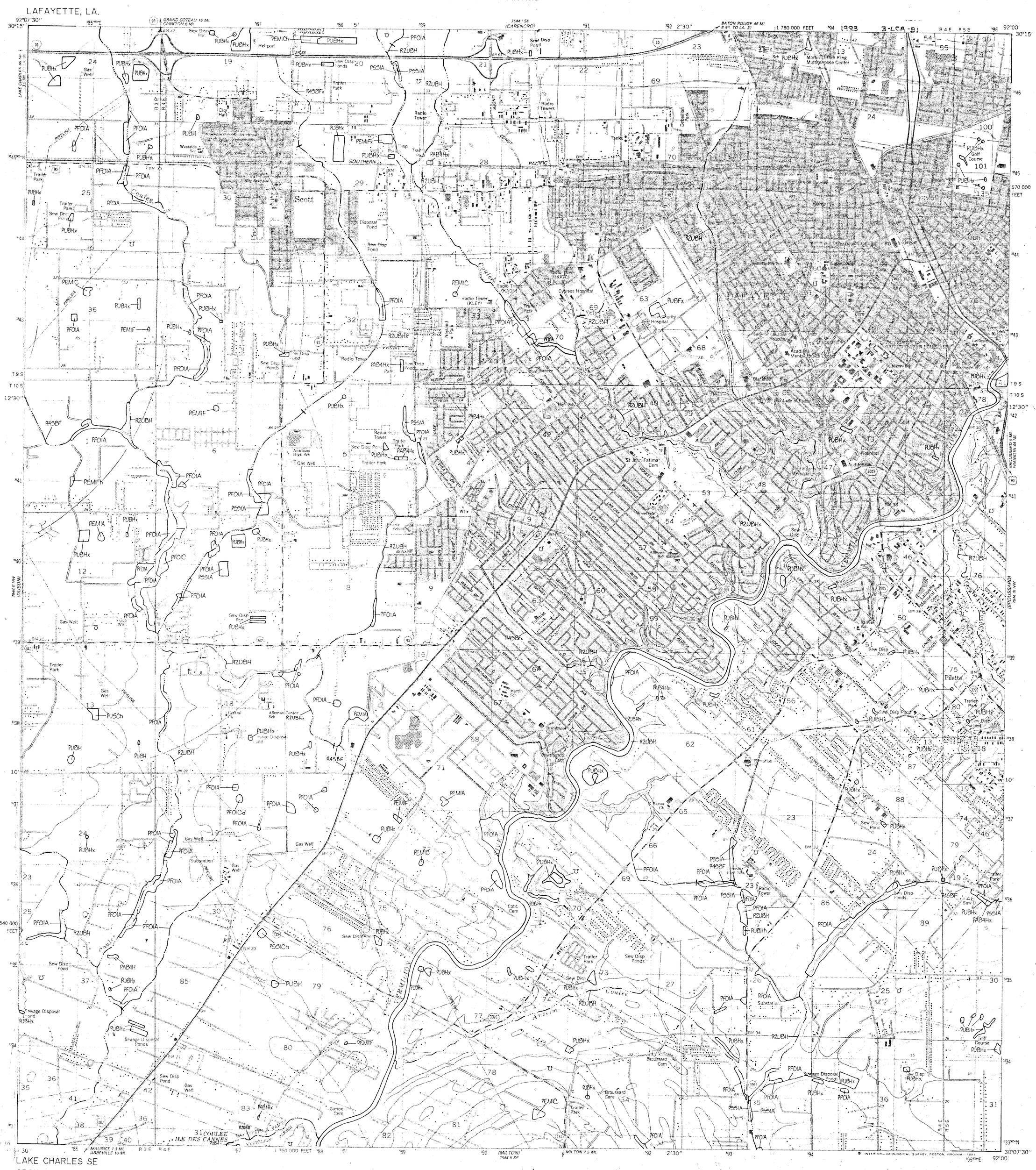
*These water regimes are only used in tidally influenced, freshwater systems.

000548

NATIONAL WETLANDS INVENTORY

UNITED STATES DEPARTMENT OF THE INTERIOR

LAFAYETTE, LA.



SCALE 1:24 000

1 acre · 5 acres · 10 acres · 20 acres · 40 acres

ACREAGE GUIDE

For information on availability of NWI maps, call 1-800-USA-MAPS.

Regional Director (ARDE) Region IV
U.S. Fish and Wildlife Service
75 Spring Street S.W.
Atlanta, Georgia 30303

SPECIAL NOTE

This document was prepared primarily by stereoscopic analysis of high altitude aerial photographs. Wetlands were identified on the photographs based on vegetation, visible hydrology, and geography in accordance with **Classification of Wetlands and Deepwater Habitats of the United States** (FWS/OBS - 79/31 December 1979). The aerial photographs typically reflect conditions during the specific year and season when they were taken. In addition, there is a margin of error inherent in the use of the aerial photographs. Thus, a detailed on the ground and historical analysis of a single site may result in a revision of the wetland boundaries established through photographic interpretation. In addition, some small wetlands and those obscured by dense forest cover may not be included on this document.

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SYMBOLOGY EXAMPLE

SYSTEM
SUBSYSTEM
CLASS
L2EM2F
SUBCLASS WATER REGIME
UPLAND (NON-WETLAND)
R2UBH
(LINEAR DEEPWATER HABITAT)

Primarily represents upland areas, but may include unclassified wetlands such as man-modified areas, non photo-identifiable areas and/or unintentional omissions.

NOTES TO THE USER

- Subsystems, Classes, Subclasses, and Water Regimes in *italics* were developed specifically for NATIONAL WETLANDS INVENTORY mapping.
- Some areas designated as R4SB, R4SBW, OR R4SBJ (INTERMITTENT STREAMS) may not meet the definition of wetland.
- This map uses the class Unconsolidated Shore (US). On earlier NWI maps that class was designated Beach/Bar (BB), or Flat (FL). Subclasses remain the same in both versions.

AERIAL PHOTOGRAPHY

DATE 11/88	DATE / /
SCALE 1:65 000	SCALE
TYPE CIR	TYPE

U.S. DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
Prepared by National Wetlands Inventory

1992

SYSTEM: M — MARINE
SUBSYSTEM: 1 — SUBTIDAL; 2 — INTERTIDAL
CLASS: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RF — REEF; OW — *OPEN WATER/ Unknown Bottom*; AB — AQUATIC BED; RF — REEF; RS — ROCKY SHORE; US — UNCONSOLIDATED SHORE
Subclass: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 3 Rooted Vascular, 5 *Unknown Submergent*; 1 Coral, 3 Worm; 1 Algal, 3 Rooted Vascular, 5 *Unknown Submergent*; 1 Coral, 3 Worm; 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic

SYSTEM: E — ESTUARINE
SUBSYSTEM: 1 — SUBTIDAL; 2 — INTERTIDAL
CLASS: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RF — REEF; OW — *OPEN WATER/ Unknown Bottom*; AB — AQUATIC BED; RF — REEF; SB — STREAMBED; RS — ROCKY SHORE; US — UNCONSOLIDATED SHORE; EM — EMERGENT; SS — SCRUB-SHRUB; FO — FORESTED
Subclass: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*; 2 Mollusc, 3 Worm; 1 Algal, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*; 2 Mollusc, 3 Worm; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Persistent, 2 Nonpersistent; 1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*; 1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*

SYSTEM: R — RIVERINE
SUBSYSTEM: 1 — TIDAL; 2 — LOWER PERENNIAL; 3 — UPPER PERENNIAL; 4 — INTERMITTENT; 5 — *UNKNOWN PERENNIAL*
CLASS: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; *SB — STREAMBED; AB — AQUATIC BED; RS — ROCKY SHORE; US — UNCONSOLIDATED SHORE; **EM — EMERGENT; OW — *OPEN WATER/ Unknown Bottom*
Subclass: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Bedrock, 2 Rubble, 3 Cobble-Gravel, 4 Sand, 5 Mud, 6 Organic, 7 Vegetated; 1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*; 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated; 2 Nonpersistent

*STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM: L — LACUSTRINE
SUBSYSTEM: 1 — LIMNETIC; 2 — LITTORAL
CLASS: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; OW — *OPEN WATER/ Unknown Bottom*; RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; RS — ROCKY SHORE; US — UNCONSOLIDATED SHORE; EM — EMERGENT; OW — *OPEN WATER/ Unknown Bottom*
Subclass: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*; 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*; 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated; 2 Nonpersistent

SYSTEM: P — PALUSTRINE
CLASS: RB — ROCK BOTTOM; UB — UNCONSOLIDATED BOTTOM; AB — AQUATIC BED; US — UNCONSOLIDATED SHORE; ML — MOSS-LICHEN; EM — EMERGENT; SS — SCRUB-SHRUB; FO — FORESTED; OW — *OPEN WATER/ Unknown Bottom*
Subclass: 1 Bedrock, 2 Rubble; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic; 1 Algal, 2 Aquatic Moss, 3 Rooted Vascular, 4 Floating Vascular, 5 *Unknown Submergent*, 6 *Unknown Surface*; 1 Cobble-Gravel, 2 Sand, 3 Mud, 4 Organic, 5 Vegetated; 1 Moss, 2 Lichen; 1 Persistent, 2 Nonpersistent; 1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*; 1 Broad-Leaved Deciduous, 2 Needle-Leaved Deciduous, 3 Broad-Leaved Evergreen, 4 Needle-Leaved Evergreen, 5 Dead, 6 *Deciduous*, 7 *Evergreen*

MODIFIERS

In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME

Non-Tidal
A Temporarily Flooded
B Saturated
C Seasonally Flooded
D *Seasonally Flooded/ Well Drained*
E *Seasonally Flooded/ Saturated*
F Semipermanently Flooded
G Intermittently Exposed
H Permanently Flooded
J Intermittently Flooded
K Artificially Flooded
W Intermittently Flooded/Temporary
Y Saturated/Semipermanent/ Seasonal
Z Intermittently Exposed/Permanent
U *Unknown*

Tidal
K *Artificially Flooded*
L Subtidal
M Irregularly Exposed
N Regularly Flooded
P Irregularly Flooded
*S Temporary-Tidal
*R Seasonal-Tidal
*T Semipermanent-Tidal
*V Permanent-Tidal
U *Unknown*

*These water regimes are only used in tidally influenced freshwater systems.

WATER CHEMISTRY

Coastal Halinity
1 Hyperhaline
2 Euhaline
3 Mixohaline *(Brackish)*
4 Polyhaline
5 Mesohaline
6 Oligohaline
0 Fresh

Inland Salinity
7 Hypersaline
8 Eusaline
9 Mixosaline
0 Fresh

pH Modifiers for all Fresh Water
a Acid
* Circumneutral
- Alkaline

SOIL
g Organic
n Mineral

SPECIAL MODIFIERS
b *Beaver*
d *Partially Drained/Ditched*
f Farmed
h *Diked/Impounded*
r Artificial Substrate
s *Spoil*
x Excavated

000549

CERCLIS No.: LA0000605278

Reference 46

TDD No.: S06-00-02-0022

State of Louisiana

James H. Jenkins, Jr.
Secretary

Department of Wildlife & Fisheries
Post Office Box 98000
Baton Rouge, LA 70898-9000
(225) 765-2800

M.J. "Mike" Foster, Jr.
Governor

March 21, 2000

Mr. Doug McReynolds
Ecology and Environment, Inc.
11550 Newcastle Ave., Suite 250
Baton Rouge, LA 70816

RE: Species Search - Cactus Pipe Site

Dear Mr. McReynolds:

Personnel of the Habitat Section of the Fur and Refuge Division have reviewed the preliminary data for the captioned project. Please see the attached table illustrating any elements of record for a four mile radius and 15 miles downstream of this site. No state or federal parks, wildlife refuges, scenic streams, or wildlife management areas are known at the specified site within Louisiana's boundaries.

The Louisiana Natural Heritage Program has compiled data on rare, endangered, or otherwise significant plant and animal species, plant communities, and other natural features throughout the state of Louisiana. Heritage reports summarize the existing information known at the time of the request regarding the location in question. They should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. The Louisiana Natural Heritage Program requires that this office be acknowledged in all reports as the source of all data provided here.

Sincerely,

M P Walters for

Gary Lester, Coordinator
Natural Heritage Program

GDL:jhm
enclosures: Invoice # 00032101

4/6-01

State of Louisiana

James H. Jenkins, Jr.
Secretary

Department of Wildlife & Fisheries
Post Office Box 98000
Baton Rouge, LA 70898-9000
(225) 765-2800

M.J. "Mike" Foster, Jr.
Governor

March 21, 2000

INVOICE # 00032101

RE: Species Search - Cactus Pipe Site

FROM: Environmental Branch
Department of Wildlife and Fisheries
P.O. Box 98000
Baton Rouge, LA 70898-9000

TO: Mr. Doug McReynolds
Ecology and Environment, Inc.
11550 Newcastle Ave., Suite 250
Baton Rouge, LA 70816

FOR: Review of Louisiana Natural Heritage database for information on known sensitive elements on 5 7.5 min. quad(s) at a charge of $20.00 per quad.

Total charges: $100.00

MAKE CHECK PAYABLE TO: "LOUISIANA DEPT. OF WILDLIFE & FISHERIES" Please include Invoice # on check. Remit payment to the Natural Heritage Program at the above address within 30 days of this letter. Put Natural Heritage Program, Attn: Gary Lester on the envelope to ensure receipt and proper credit at this office.

46-02

An Equal Opportunity Employer

Cactus Pipe Site

Sname	Scomname	Lastobs	Quadname	Grank	Srank	Usesa
THALIA DEALBATA	POWDERY THALIA	7/7/1942	DUSON	G4	S?	

46-03

EXPLANATION OF RANKING CATEGORIES EMPLOYED BY NATURAL HERITAGE PROGRAMS NATIONWIDE

Each element is assigned a single global rank as well as a state rank for each state in which it occurs. Global ranking is done under the guidance of the Science Department of the Nature Conservancy, Washington D.C. State ranks are assigned by each state's Natural Heritage Program, thus a rank for a particular element may vary considerably from state to state. Federal ranks are designated by the U.S. Fish & Wildlife Service under the provisions of the Endangered Species Act of 1973.

FEDERAL RANKS (note: C1 & C2 categories no longer used by USFWS as of 1996):

E = Endangered - in danger of extinction throughout all or a significant portion of its range.

T = Threatened - likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.

C1 = Category 1 - substantial biological information on file to support the appropriateness of proposing to list a taxon as endangered or threatened. An asterisk (*) indicates taxa which may be extinct.

C2 = Category 2 - current information indicates that proposing to list a taxon is possible, but, substantial biological information is not on file to support such action.

3A = Persuasive evidence of extinction; if rediscovered such taxa might acquire high priority for listing.

3B = Names which do not represent distinct taxa (based on current taxonomic understanding).

3C = Taxa proven to be more abundant or widespread than previously believed, and/or not subject to any identifiable threat.

P = Proposed to be listed as endangered or threatened.

GLOBAL ELEMENT RANKS:

G1 = Critically imperiled globally because of extreme rarity (5 or fewer known extant populations) or because of some factor(s) making it especially vulnerable to extinction.

G2 = Imperiled globally because of rarity (6 to 20 known extant populations) or because of some factor(s) making it very vulnerable to extinction throughout its range.

G3 = Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g., a single physiographic region) or because of other factors making it vulnerable to extinction throughout its range (21 to 100 known extant populations).

G4 = Apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery (100-1000 known extant populations).

46-04

G5 = Demonstrably secure globally, although it may be quite rare in parts of its range, especially at the periphery (1000+ known extant populations).

GH = Of historical occurrence throughout its range, i.e., formerly part of the established biota, with the possibility that it may be rediscovered (e.g., Bachman's Warbler).

GU = Possibly in peril range-wide but status uncertain; need more information.

G? = Rank uncertain. Or, a range (G3G5) delineates the limits of uncertainty.

GQ = Uncertain taxonomic status.

GX = Believed to be extinct throughout its range (e.g., Passenger Pigeon) with virtually no likelihood that it will be rediscovered.

T = Subspecies or variety rank (e.g., G5T4 applies to a subspecies with a global species rank of G5, but with a subspecies rank of G4.

STATE ELEMENT RANKS:

S1 = Critically imperiled in Louisiana because of extreme rarity (5 or fewer known extant populations) or because of some factor(s) making it especially vulnerable to extirpation.

S2 = Imperiled in Louisiana because of rarity (6 to 20 known extant populations) or because of some factor(s) making it very vulnerable to extirpation.

S3 = Rare and local throughout the state or found locally (even abundantly at some of its locations) in a restricted region of the state, or because of other factors making it vulnerable to extirpation (21 to 100 known extant populations).

S4 = Apparently secure in Louisiana, with many occurrences (100-1000 known extant populations).

S5 = Demonstrably secure in the state (1000+ known extant populations).

SA = Accidental in state, including species (usually birds or butterflies) recorded once or twice or only at great intervals, hundreds or even thousands of miles outside their usual range.

SH = Of historical occurrence in Louisiana but no recent records verified within the last 20 years; formerly part of the established biota, possibly still persisting.

SR = Reported from Louisiana, but without conclusive evidence to accept or reject the report.

SU = Possibly in peril in Louisiana but status uncertain; need more information.

SX = Believed to be extirpated from Louisiana.

SZ = Migrants which occur in an irregular, transitory, or dispersed manner.

46-05

B or N added to any of the previous code signifies as follows:

B = Breeding Population

N = Nonbreeding Population

46-06

EXPLANATION OF RANKING CATEGORIES EMPLOYED BY NATURAL HERITAGE PROGRAMS NATIONWIDE

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FEDERAL RANKS:

L = Listed as threatened or endangered by US FWS

E = Endangered - in danger of extinction throughout all or a significant portion of its range.

T = Threatened - likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.

C1 = Category 1 - substantial biological information on file to support the appropriateness of proposing to list a taxon as endangered or threatened. An asterisk (*) indicates taxa which may be extinct.

C2 = Category 2 - current information indicates that proposing to list a taxon is possible, but that substantial biological information is not on file to support such action.

3A = Persuasive evidence of extinction; if rediscovered such taxa might acquire high priority for listing.

3B = Names which do not represent distinct taxa (based on current taxonomic understanding).

3C = Taxa proven to be more abundant or widespread than previously believed, and/or not subject to any identifiable threat.

P = Proposed to be listed as endangered or threatened.

GLOBAL ELEMENT RANKS:

G1 = Critically imperiled globally because of extreme rarity (5 or fewer known extant populations) or because of some factor(s) making it especially vulnerable to extinction.

G2 = Imperiled globally because of rarity (6 to 20 known extant populations) or because of some factor(s) making it very vulnerable to extinction throughout its range.

G3 = Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g., a single physiographic region) or because of other factors making it vulnerable to extinction throughout its range (21 to 100 known extant populations).

G4 = Apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery (100-1000 known extant populations).

G5 = Demonstrably secure globally, although it may be quite rare in parts of its range, especially at the periphery (1000+ known extant populations).

GH = Of historical occurrence throughout its range, i.e., formerly part of the establishe[illegible]

GU = Possibly in peril range-wide but status uncertain; need more information.

G? = Rank uncertain. Or, a range (G3G5) delineates the limits of uncertainty.

GQ = Uncertain taxonomic status.

GX = Believed to be extinct throughout its range (e.g., Passenger Pigeon) with virtually no likelihood that it will be rediscovered.

T = Subspecies or variety rank (e.g., G5T4 applies to a subspecies with a global species rank of G5, but with a subspecies rank of G4.

STATE ELEMENT RANKS:

S1 = Critically imperiled in Louisiana because of extreme rarity (5 or fewer known extant populations) or because of some factor(s) making it especially vulnerable to extirpation.

S2 = Imperiled in Louisiana because of rarity (6 to 20 known extant populations) or because of some factor(s) making it very vulnerable to extirpation.

S3 = Rare and local throughout the state or found locally (even abundantly at some of its locations) in a restricted region of the state, or because of other factors making it vulnerable to extirpation (21 to 100 known extant populations).

S4 = Apparently secure in Louisiana, with many occurrences (100-1000 known extant populations).

S5 = Demonstrably secure in the state (1000+ known extant populations).

SA = Accidental in state, including species (usually birds or butterflies) recorded once or twice or only at great intervals, hundreds or even thousands of miles outside their usual range.

SH = Of historical occurrence in Louisiana but no recent records verified within the last 20 years; formerly part of the established biota, possibly still persisting.

SR = Reported from Louisiana, but without conclusive evidence to accept or reject the report.

SU = Possibly in peril in Louisiana but status uncertain; need more information.

SX = Believed to be extirpated from Louisiana.

SZ = Migrants which occur in an irregular, transitory, or dispersed manner.

46-07

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COUNTY	TRACT	BG	RING	POP	AFACT		
22055	19.01	2	0.5	157	0.205		
22055	19.02	1	0.5	50	0.037		
22055	19.01	2	1	256	0.334		
22055	19.02	1	1	539	0.397		
22055	19.03	1	1	27	0.033		
22055	19.01	2	2	354	0.462		
22055	19.02	1	2	485	0.357		
22055	19.03	1	2	212	0.262		
22055	20.01	1	2	119	0.076		
22055	20.01	2	2	269	0.449		
22001	9606	1	3	118	0.466		
22055	19.01	1	3	252	0.535		
22055	19.01	3	3	568	0.845		
22055	19.01	4	3	24	0.091		
22055	19.02	1	3	285	0.21		
22055	19.02	3	3	659	0.343		
22055	19.03	1	3	571	0.705		
22055	19.03	2	3	1524	0.992		
22055	19.03	3	3	1137	0.837		
22055	19.05	1	3	87	0.19		
22055	20.01	1	3	1197	0.766		
22055	20.01	2	3	189	0.316		
22055	20.02	4	3	731	0.601		
22001	9605	3	4	14	1		
22001	9606	1	4	135	0.534		
22055	6.01	1	4	244	1		
22055	19.01	1	4	219	0.465		
22055	19.01	3	4	104	0.155		
22055	19.01	4	4	240	0.909		
22055	19.02	3	4	1261	0.657		
22055	19.02	4	4	479	1		
22055	19.02	5	4	940	1		
22055	19.03	2	4	12	0.008		
22055	19.03	3	4	221	0.163		
22055	19.04	1	4	426	1		
22055	19.04	2	4	971	1		
22055	19.04	3	4	981	1		
22055	19.05	1	4	370	0.81	0.25	0
22055	19.05	2	4	20	1	0.5	207
22055	20.01	1	4	247	0.158	1	1029
22055	20.01	2	4	141	0.235	2	2468
22055	20.02	2	4	450	1	3	9810
22055	20.02	3	4	476	1	4	18247
22055	20.02	4	4	486	0.399		

47-01

CERCLIS No.: LA0000605278

Reference 48

TDD No.: S06-00-02-0022

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MEDIAN AND AVERAGE NUMBER OF PERSONS PER HOUSEHOLD
LOUISIANA AND PARISHES

1990

	Median Persons per Household	Average Persons per Household		Median Persons per Household	Averag Persons pe Househol
Louisiana	2.41	2.81	Livingston	2.76	2.9
			Madison	2.42	2.9
Acadia	2.53	2.90	Morehouse	2.44	2.9
Allen	2.48	3.00	Natchitoches	2.35	2.9
Ascension	2.79	3.01	Orleans	2.16	2.6
Assumption	2.78	3.08	Ouachita	2.37	2.8
Avoyelles	2.41	2.90	Plaquemines	2.82	3.1
Beauregard	2.46	2.90	Pointe Coupee	2.53	2.9
Bienville	2.28	2.73	Rapides	2.41	2.8
Bossier	2.46	2.80	Red River	2.38	2.8
Caddo	2.26	2.66	Richland	2.45	2.9
Calcasieu	2.43	2.79	Sabine	2.30	2.7
Caldwell	2.40	2.74	St. Bernard	2.63	2.8
Cameron	2.63	2.94	St. Charles	2.75	2.9
Catahoula	2.45	2.82	St. Helena	2.56	2.9
Claiborne	2.23	2.87	St. James	3.02	3.2
Concordia	2.45	2.84	St. John the Bapt	3.00	3.1
DeSoto	2.40	2.78	St. Landry	2.50	2.9
East Baton Rouge	2.34	2.74	St. Martin	2.75	3.0
East Carroll	2.44	3.10	St. Mary	2.65	2.9
East Feliciana	2.74	3.44	St. Tammany	2.57	2.8
Evangeline	2.40	2.82	Tangipahoa	2.44	2.8
Franklin	2.43	2.88	Tensas	2.34	2.8
Grant	2.46	2.80	Terrebonne	2.79	3.0
Iberia	2.66	2.99	Union	2.38	2.7
Iberville	2.67	3.14	Vermilion	2.46	2.8
Jackson	2.32	2.70	Vernon	2.69	3.2
Jefferson	2.37	2.69	Washington	2.37	2.7
Jefferson Davis	2.49	2.88	Webster	2.27	2.6
Lafayette	2.36	2.73	West Baton Rouge	2.63	2.9
Lafourche	2.69	2.98	West Carroll	2.37	2.7
LaSalle	2.32	2.69	West Feliciana	2.53	4.7
Lincoln	2.25	3.05	Winn	2.35	2.8

Questions about the subject matter should be directed to the offices in the Economic Census Staff, Business Division or Industry Division specified below.

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48-01