TXD 041468836

EPA

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT

REGION	SITE NUMBER (to be assigned by Hq)
6	TX 13838

GENERAL INSTRUCTIONS: Complete Sections I and III through XV of this form as completely as possible. Then use the information on this form to develop a Tentative Disposition (*Section II*). File this form in its entirety in the regional Hazardous Waste Log File. Be sure to include all appropriate Supplemental Reports in the file. Submit a copy of the forms to: U.S. Environmental Protection Agency; Site Tracking System; Hazardous Waste Enforcement Task Force (*EN-335*); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

TXD 041 468 836

A. SITE NAME	B. STREET (or other identifier)		
Texas Electric Co-op, Inc.	Bevil Loop Rd.		
C. CITY	**D. STATE**	**E. ZIP CODE**	**F. COUNTY NAME**
Jasper	TX	75951	Jasper

G. SITE OPERATOR INFORMATION

1. NAME	2. TELEPHONE NUMBER
Randy V. Dorman (Director, Technical Services)	409/384-4633

3. STREET	4. CITY	5. STATE	6. ZIP CODE
P.O. Box 510	Jasper	TX	75951

H. REALTY OWNER INFORMATION (*if different from operator of site*)

1. NAME	2. TELEPHONE NUMBER
See Attachment A	409/384-4633

3. CITY	4. STATE	5. ZIP CODE
Jasper	TX	75951

I. SITE DESCRIPTION

Creosoting plant with about 9 onsite treating ponds

J. TYPE OF OWNERSHIP

☐ 1. FEDERAL ☐ 2. STATE ☐ 3. COUNTY ☐ 4. MUNICIPAL ☒ 5. PRIVATE

II. TENTATIVE DISPOSITION (*complete this section last*)

A. ESTIMATE DATE OF TENTATIVE DISPOSITION (*mo., day, & yr.*)

B. APPARENT SERIOUSNESS OF PROBLEM

☒ 1. HIGH ☐ 2. MEDIUM ☐ 3. LOW ☐ 4. NONE

C. PREPARER INFORMATION

1. NAME	2. TELEPHONE NUMBER	3. DATE (mo., day, & yr.)
Barry L. Hubbard	512/477-9901	10/22/86

III. INSPECTION INFORMATION

A. PRINCIPAL INSPECTOR INFORMATION

1. NAME	2. TITLE
Barry L. Hubbard	Senior Engineer

3. ORGANIZATION	4. TELEPHONE NO. (area code & no.)
Engineering-Science, Inc., 2901 N IH-35, Austin, TX, 78722	512/477-9901

B. INSPECTION PARTICIPANTS

1. NAME	2. ORGANIZATION	3. TELEPHONE NO.
None		

C. SITE REPRESENTATIVES INTERVIEWED (*corporate officials, workers, residents*)

1. NAME	2. TITLE & TELEPHONE NO.	3. ADDRESS
None		

SUPERFUND FILE

JAN 12 1993

REORGANIZED

90068481

Reviewed by [illegible] Date [illegible] 12/19/87

Continued From Front

III. INSPECTION INFORMATION (continued)

D. GENERATOR INFORMATION (source of waste)

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE GENERATED
Texas Electric Co-op	409/384-4633	P.O. Box 510 Jasper, TX 75951	Wood preserving wastes

E. TRANSPORTER/HAULER INFORMATION

1. NAME	2. TELEPHONE NO.	3. ADDRESS	4. WASTE TYPE TRANSPORTED

F. IF WASTE IS PROCESSED ON SITE AND ALSO SHIPPED TO OTHER SITES, IDENTIFY OFF-SITE FACILITIES USED FOR DISPOSAL.

1. NAME	2. TELEPHONE NO.	3. ADDRESS

G. DATE OF INSPECTION (mo., day, & yr.)	H. TIME OF INSPECTION	I. ACCESS GAINED BY: (credentials must be shown in all cases)
None		☐ 1. PERMISSION ☐ 2. WARRANT

J. WEATHER (describe)

IV. SAMPLING INFORMATION

A. Mark 'X' for the types of samples taken and indicate where they have been sent e.g., regional lab, other EPA lab, contractor, etc. and estimate when the results will be available.

1. SAMPLE TYPE	2. SAMPLE TAKEN (mark 'X')	3. SAMPLE SENT TO:	4. DATE RESULTS AVAILABLE
a. GROUNDWATER		None	
b. SURFACE WATER			
c. WASTE			
d. AIR			
e. RUNOFF			
f. SPILL			
g. SOIL			
h. VEGETATION			
i. OTHER (specify)			

B. FIELD MEASUREMENTS TAKEN (e.g., radioactivity, explosivity, PH, etc.)

1. TYPE	2. LOCATION OF MEASUREMENTS	3. RESULTS
None		

 Continue On Page 3

Continued From Page 2

IV. SAMPLING INFORMATION *(continued)*

C. PHOTOS

1. TYPE OF PHOTOS

☐ a. GROUND ☐ b. AERIAL

2. PHOTOS IN CUSTODY OF:

None

D. SITE MAPPED?

☐ YES. SPECIFY LOCATION OF MAPS: See attached topographic map, floodplain map, and site sketch.

E. COORDINATES

1. LATITUDE *(deg.-min.-sec.)*

30°54'42"

2. LONGITUDE *(deg.-min.-sec.)*

93°58'30"

V. SITE INFORMATION

A. SITE STATUS

☒ 1. ACTIVE *(Those inductrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if intrequently.)*

☐ 2. INACTIVE *(Those sites which no longer receive wastes.)*

☐ 3. OTHER *(specify)*: _____ *(Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)*

B. IS GENERATOR ON SITE?

☐ 1. NO ☒ 2. YES *(specify generator's four-digit SIC Code)*: 2491

C. AREA OF SITE *(in acres)*

Approximately 40

D. ARE THERE BUILDINGS ON THE SITE?

☐ 1. NO ☒ 2. YES *(specify)*: Process buildings and office

VI. CHARACTERIZATION OF SITE ACTIVITY

Indicate the major site activity*(ies)* and details relating to each activity by marking 'X' in the appropriate boxes.

'X'	A. TRANSPORTER	'X'	B. STORER	'X'	C. TREATER	'X'	D. DISPOSER
	1. RAIL	X	1. PILE		1. FILTRATION		1. LANDFILL
	2. SHIP	X	2. SURFACE IMPOUNDMENT		2. INCINERATION		2. LANDFARM
	3. BARGE		3. DRUMS		3. VOLUME REDUCTION		3. OPEN DUMP
	4. TRUCK	X	4. TANK, ABOVE GROUND	X	4. RECYCLING/RECOVERY	X	4. SURFACE IMPOUNDMENT
	5. PIPELINE		5. TANK, BELOW GROUND		5. CHEM./PHYS./TREATMENT		5. MIDNIGHT DUMPING
	6. OTHER *(specify)*:		6. OTHER *(specify)*:		6. BIOLOGICAL TREATMENT		6. INCINERATION
					7. WASTE OIL REPROCESSING		7. UNDERGROUND INJECTION
					8. SOLVENT RECOVERY		8. OTHER *(specify)*:
					9. OTHER *(specify)*:		

E. SUPPLEMENTAL REPORTS: If the site falls within any of the categories listed below, Supplemental Reports must be completed. Indicate which Supplemental Reports you have filled out and attached to this for..

☐ 1. STORAGE ☐ 2. INCINERATION ☐ 3. LANDFILL ☐ 4. SURFACE IMPOUNDMENT ☐ 5. DEEP WELL

☐ 6. CHEM/BIO/PHYS TREATMENT ☐ 7. LANDFARM ☐ 8. OPEN DUMP ☐ 9. TRANSPORTER ☐ 10. RECYCLOR/RECLAIMER

VII. WASTE RELATED INFORMATION

A. WASTE TYPE

☒ 1. LIQUID ☐ 2. SOLID ☒ 3. SLUDGE ☐ 4. GAS

B. WASTE CHARACTERISTICS

☐ 1. CORROSIVE ☐ 2. IGNITABLE ☐ 3. RADIOACTIVE ☐ 4. HIGHLY VOLATILE

☒ 5. TOXIC ☐ 6. REACTIVE ☐ 7. INERT ☐ 8. FLAMMABLE

☐ 9. OTHER *(specify)*:

C. WASTE CATEGORIES

1. Are records of wastes available? Specify items such as manifests, inventories, etc. below.

No

 Continue On Reverse

Continued From Front

VII. WASTE RELATED INFORMATION (continued)

2. Estimate the amount (specify unit of measure) of waste by category; mark 'X' to indicate which wastes are present.

a. SLUDGE	b. OIL	c. SOLVENTS	d. CHEMICALS	e. SOLIDS	f. OTHER
AMOUNT 5,000 cu.yds.	AMOUNT Unknown	AMOUNT None	AMOUNT Unknown	AMOUNT None	AMOUNT None
UNIT OF MEASURE cubic yards	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE	UNIT OF MEASURE
X (1) PAINT, PIGMENTS	X (1) OILY WASTES	X (1) HALOGENATED SOLVENTS	X (1) ACIDS	X (1) FLYASH	X (1) LABORATORY, PHARMACEUT.
(2) METALS SLUDGES	(2) OTHER(specify):	(2) NON-HALOGNTD. SOLVENTS	(2) PICKLING LIQUORS	(2) ASBESTOS	(2) HOSPITAL
(3) POTW		(3) OTHER(specify):	(3) CAUSTICS	(3) MILLING/MINE TAILINGS	(3) RADIOACTIVE.
(4) ALUMINUM SLUDGE			(4) PESTICIDES	(4) FERROUS SMELTING WASTES	(4) MUNICIPAL
X (5) OTHER(specify): Wood treating sludge			(5) DYES/INKS	(5) NON-FERROUS SMLTG. WASTES	(5) OTHER(specify):
			(6) CYANIDE	(6) OTHER(specify):	
			X (7) PHENOLS		
			(8) HALOGENS		
			(9) PCB		
			(10) METALS		
			X (11) OTHER(specify): Creosote		

D. LIST SUBSTANCES OF GREATEST CONCERN WHICH ARE ON THE SITE (place in descending order of hazard)

1. SUBSTANCE	2. FORM (mark 'X') a. SOLID	b. LIQ.	c. VAPOR	3. TOXICITY (mark 'X') a. HIGH	b. MED.	c. LOW	d. NONE	4. CAS NUMBER	5. AMOUNT	6. UNIT
Creosote		X		X				See Attachment A		

VIII. HAZARD DESCRIPTION

FIELD EVALUATION HAZARD DESCRIPTION: Place an 'X' in the box to indicate that the listed hazard exists. Describe the hazard in the space provided.

X A. HUMAN HEALTH HAZARDS

Groundwater near the site appears to be contaminated. The possibility exists for this contamination to spread to local drinking water supplies. The surface impoundments on the site contain wood treating wastes which are toxic and can cause chemical burns upon dermal contact.

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Continued From Page 4

VIII. HAZARD DESCRIPTION *(continued)*

☐ B. NON-WORKER INJURY/EXPOSURE

☐ C. WORKER INJURY/EXPOSURE

☒ D. CONTAMINATION OF WATER SUPPLY

See Item VIII.A.

☐ E. CONTAMINATION OF FOOD CHAIN

☒ F. CONTAMINATION OF GROUND WATER

See Item VIII.A.

☒ G. CONTAMINATION OF SURFACE WATER

In the past, boiler blowdown was discharged to an unnamed creek which flows into Big Walnut Run Creek. It is possible that this water contained wood treating wastes.

Continue On Reverse

Continued From Front

VIII. HAZARD DESCRIPTION (continued)

☐ H. DAMAGE TO FLORA/FAUNA

☐ I. FISH KILL

☐ J. CONTAMINATION OF AIR

☒ K. NOTICEABLE ODORS

The preliminary assessment noted that creosote odors were apparent one-half mile away from the site.

☒ L. CONTAMINATION OF SOIL

All process wastewater and wood treating wastes were contained in a series of unlined surface impoundments. These materials appear to have permeated into the soil. Closure plans for the surface impoundments include the treatment of 6,000 cubic yards of soil.

☐ M. PROPERTY DAMAGE

 Continue On Page 7

Continued From Page 6

VIII. HAZARD DESCRIPTION *(continued)*

☐ N. FIRE OR EXPLOSION

☐ O. SPILLS/LEAKING CONTAINERS/RUNOFF/STANDING LIQUID

☐ P. SEWER, STORM DRAIN PROBLEMS

☐ Q. EROSION PROBLEMS

☐ R. INADEQUATE SECURITY

☐ S. INCOMPATIBLE WASTES

 Continue On Reverse

VIII. HAZARD DESCRIPTION (continued)

☐ T. MIDNIGHT DUMPING

☐ U. OTHER (specify):

IX. POPULATION DIRECTLY AFFECTED BY SITE

A. LOCATION OF POPULATION	B. APPROX. NO. OF PEOPLE AFFECTED	C. APPROX. NO. OF PEOPLE AFFECTED WITHIN UNIT AREA	D. APPROX. NO. OF BUILDINGS AFFECTED	E. DISTANCE TO SITE (specify units)
1. IN RESIDENTIAL AREAS	7,000	7,000	2,000	4 miles
2. IN COMMERCIAL OR INDUSTRIAL AREAS	500	500	147	4 miles
3. IN PUBLICLY TRAVELLED AREAS	10,000	10,000	-	4 miles
4. PUBLIC USE AREAS (parks, schools, etc.)	3,500	3,500	4	4 miles

X. WATER AND HYDROLOGICAL DATA

A. DEPTH TO GROUNDWATER (specify unit)	B. DIRECTION OF FLOW	C. GROUNDWATER USE IN VICINITY
10 to 90 feet (1)	south, southwest	domestic, industrial
D. POTENTIAL YIELD OF AQUIFER	**E. DISTANCE TO DRINKING WATER SUPPLY (specify unit of measure)**	**F. DIRECTION TO DRINKING WATER SUPPLY**
200 to 800 gpm (2)	0.5 to 1.5 miles	N, NW, and E-NE

G. TYPE OF DRINKING WATER SUPPLY

☐ 1. NON-COMMUNITY < 15 CONNECTIONS ☒ 2. COMMUNITY (specify town): City of Jasper > 15 CONNECTIONS

☐ 3. SURFACE WATER ☒ 4. WELL

 Continue On Page 9

(1) Near site water level recorded in 1965 (Source: TDWR Report 59, 1967).
(2) Gallons per minute yield in Jasper municipal wells.

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X. WATER AND HYDROLOGICAL DATA (continued)

H. LIST ALL DRINKING WATER WELLS WITHIN A 1/4 MILE RADIUS OF SITE

1. WELL	2. DEPTH (specify unit)	3. LOCATION (proximity to population/buildings)	4. NON-COMMUNITY (mark 'X')	5. COMMUNITY (mark 'X')
62-01-701*	1,004 ft	On site		
62-01-7B*	142 ft	On site		
62-01-701*	Unknown	On site		
62-01-702*	250 ft	0.1 miles southwest of site		
62-01-703*	176 ft	0.25 miles south of the site		

I. RECEIVING WATER

1. NAME: Big Walnut Run Creek to Neches River

☐ 2. SEWERS ☒ 3. STREAMS/RIVERS ☐ 4. LAKES/RESERVOIRS ☐ 5. OTHER (specify):

6. SPECIFY USE AND CLASSIFICATION OF RECEIVING WATERS

Segment 0602 of the Neches River is classified for contact and noncontact recreation, propagation of fish and wildlife, and for domestic raw water supply.

XI. SOIL AND VEGITATION DATA

LOCATION OF SITE IS IN:

☐ A. KNOWN FAULT ZONE ☐ B. KARST ZONE ☐ C. 100 YEAR FLOOD PLAIN ☐ D. WETLAND

☐ E. A REGULATED FLOODWAY ☐ F. CRITICAL HABITAT ☒ G. RECHARGE ZONE OR SOLE SOURCE AQUIFER

XII. TYPE OF GEOLOGICAL MATERIAL OBSERVED

Mark 'X' to indicate the type(s) of geological material observed and specify where necessary, the component parts.

'X'	A. OVERBURDEN	'X'	B. BEDROCK (specify below)	'X'	C. OTHER (specify below)
	1. SAND		Unknown		Unknown
	2. CLAY				
	3. GRAVEL				

XIII. SOIL PERMEABILITY

Permeability 10^{-2} to 10^{-3} cm/sec.

☐ A. UNKNOWN ☐ B. VERY HIGH (100,000 to 1000 cm/sec.) ☐ C. HIGH (1000 to 10 cm/sec.)

☒ D. MODERATE ~~(10 to .1 cm/sec.)~~ ☐ E. LOW (.1 to .001 cm/sec.) ☐ F. VERY LOW (.001 to .00001 cm/sec.)

G. RECHARGE AREA

☒ 1. YES ☐ 2. NO 3. COMMENTS: Recharge to shallow aquifer occurs through direct infiltration of precipitation on the outcrop area.

H. DISCHARGE AREA

☐ 1. YES ☒ 2. NO 3. COMMENTS:

I. SLOPE

1. ESTIMATE % OF SLOPE: 0-5

2. SPECIFY DIRECTION OF SLOPE, CONDITION OF SLOPE, ETC.: south, southwest

J. OTHER GEOLOGICAL DATA

Pedology: Doucette-Boykin Association, deep sandy soil, dark grayish brown, acidic, moderate permeability, medium available water capacity (see Attachment A).

*Not known if used for drinking water supply.

Continued From Front

XIV. PERMIT INFORMATION

List all applicable permits held by the site and provide the related information.

A. PERMIT TYPE (e.g., RCRA, State, NPDES, etc.)	B. ISSUING AGENCY	C. PERMIT NUMBER	D. DATE ISSUED (mo., day, & yr.)	E. EXPIRATION DATE (mo., day, & yr.)	F. IN COMPLIANCE (mark 'X')		
					1. YES	2. NO	3. UNKNOWN
RCRA generator	EPA	TXD 04 146 8836					X
NPDES	EPA	TX0006351					X
State wastewater	TWC	01766	11/26/75				X

XV. PAST REGULATORY OR ENFORCEMENT ACTIONS

☐ NONE ☒ YES (*summarize in this space*)

Enforcement action in 1980 due to wastewater permit violations. This resulted in an amended permit 01766 requiring the company to prepare and implement a groundwater monitoring plan. In 1982, analyses of samples from monitoring wells indicated contamination of groundwater. Texas Electric Co-op was ordered to develop and submit groundwater quality assessment plan. As a result, the groundwater has been found to be contaminated and a remedial action program has begun.

NOTE: Based on the information in Sections III through XV, fill out the Tentative Disposition (*Section II*) information on the first page of this form.

RCRA 3012 SITE INSPECTION COMMENTS
TEXAS ELECTRIC CO-OP, INC.
JASPER, TEXAS
TX13838

INTRODUCTION

An on-site inspection of Texas Electric Co-op (TEC) was not conducted. Due to the enforcement operations presently occurring at this site, the Texas Water Commission (TWC) has requested that this site not be inspected. Though no site inspection has been conducted, a site inspection report has been prepared based on a review of available file information.

WASTE MANAGEMENT PRACTICES AND SITE HISTORY

TEC is made up of approximately 70 rural electric cooperatives. The treating division facility in Jasper is a wood preserving plant that treats the poles and other materials used by the cooperatives.

The facility uses creosote to treat wood. Because of the nature of the operations, there are several types of wastewater generated. The water from this facility can be categorized as follows: boiler blowdown, cooling water, process water, and domestic sewage. The domestic sewage is discharged to an onsite septic tank. Cooling water and boiler blowdown are treated with lime and discharged into an unnamed creek which flows into Big Walnut Run Creek. Big Walnut Run Creek flows into segment 0602 of the Neches River. Process water is not discharged from the site. It flows through a series of surface impoundments in which the water is treated and evaporated. The number of surface impoundments has varied through the years. Most recently, there were eight surface impoundments in use (see site sketch). Impoundments C, D, E, and F were used as spray evaporation ponds for process water. Impoundments 1 and 2 were used for containment of boiler blowdown.

In 1975, TEC was issued wastewater permit 01766 by the TWC. Apparently, the permit required that Ponds A and B which were used as unlined treatment ponds be drained and converted to other purposes. This action

was to be completed by July 1, 1977. On October 6, 1980, a District 6 representative of the TWC inspected the site. The representative found both ponds A and B to be in continuing operation as treatment ponds.

As s result of continued permit violations, the site's wastewater permit was amended in 1980 requiring the company to initiate a groundwater monitoring program. Also, no process water, including boiler blowdown, was to be discharged from the site.

By January of 1982, pond A had been stabilized and capped and pond B had been lined and only used for storm water. Also, eight monitoring wells had been installed around the ponds. After contamination was found in the groundwater, three additional wells were installed. Due to the contamination of soil and groundwater, the company has been ordered to submit plans for reclamation and/or restoration of the groundwater.

As a result of these actions, TEC ceased discharge to all of the surface impoundments on November 7, 1985. It is TEC's plan to begin using a rotary vacuum filter to remove solids from the wastewater. The sludge will be disposed of in a commercial hazardous waste facility. The water will be biologically treated and sent to the sewer in the future.

TEC has prepared a closure plan for the surface impoundments which is presently being reviewed by the TWC. The plan calls for biological treatment by onsite aerobic degradation. TEC expects to treat 5,000 cubic yards of sludge and 6,000 cubic yards of contaminated soil. Approximately 5,000,000 gallons of pond effluent will be treated prior to being reused in the plant or sent to the sewer. Residuals from the treatment of the sludge and soil will be placed in one of the treatment units (surface impoundments) modified to function as a landfill.

ASSESSMENT AND CONCLUSIONS

The attached well monitoring data obtained from the TWC indicate that there is some contamination of groundwater in the area surrounding the site. Of the 11 wells installed, only one is considered to be upgradient. Two of these wells, W-5 and W-6, show a significant elevation in phenol and total organic carbon (TOC) measurements as compared to W-7, the upgradient (background) well. W-6 seems to be the worst of the two. TOC

levels for W-6 were as high as 43 mg/l, W-5 TOC levels have been as high as 18 mg/l. The TOC level in the upgradient well (W-7) has not been higher than 6 mg/l during the sampling program. Well W-6 also shows elevated levels of phenols, 0.3 mg/l compared to <0.1 mg/l in well W-7. The other eight downgradient wells do not show a significant rise in either TOC or phenols compared to the background well (W-7).

Well W-5 is directly downgradient of ponds A and B which were the settling ponds. Well W-6, which according to the monitoring data is in a more contaminated area, is not directly downstream of the ponds. It is possible that the groundwater in the area of W-6 is contaminated by a source other than the surface impoundments, such as the treatment area which is understood to be upgradient of this well.

The data obtained through the groundwater monitoring program as well as other information gathered by the TWC suggest that contaminated material is migrating off site. If the biological treatment of the waste and closure of the surface impoundments is successful, the source of the ground contamination probably will be eliminated. If these plans are completed as intended and since it appears that the TWC will continue to monitor the progress of the cleanup of this site, the site is recommended for no further action under the RCRA 3012 Program.

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

Corresponding number on form	Additional Remark and/or Explanation
I.H.	The property is owned by Texas Electric Co-operatives, Inc. which consists of approximately 70 rural cooperatives.
VII.D.	Constituents of creosote are as follows:

	CAS Number
pentachlorophenol	87-86-5
phenol	108-95-2
2-chlorophenol	95-57-8
p-chloro-m-cresol	59-50-7
2,4-dimethylphenol	
2,4-dinitrophenol	51-28-5
trichlorophenols	95-95-4 & 88-06-2
acenaphthalene	
acenaphthene	83-32-9
fluorene	86-73-7
pyrene	129-00-0
phenanthrene	85-01-8
anthracene	120-12-7
chrysene	218-01-9
naphthalene	91-20-3
fluoranthene	
benzo(b) fluoranthene	
benzo(a) pyrene	50-82-8
indeno (1,2,3) pyrene	
benzo(a) anthracene	
dibenzo(a) anthracene	

ATTACHMENT A

POTENTIAL HAZARDOUS WASTE SITE
SITE INSPECTION REPORT SUPPLEMENT SHEET

Instruction - This sheet is provided to give additional information in explanation of a question on the form T2070-3.

Corresponding number on form	Additional Remark and/or Explanation
XIII.J.	The outcropping site geologic stratum is the Fleming Formation (sand, shale, and sandstone) of Miocene age which is underlain by the Oakville Sandstone of the same age. The upper clayey (shale) portion of the Fleming Formation acts as the "Burkeville Confining System," which does not allow vertical migration of water, while the lower part along with the Oakville Sandstone form the Jasper aquifer (see Table 1 and cross-section A-A' in Attachment B for reference). The Fleming and Oakville Formations are approximately 800 feet thick in the area and are underlain by the Catahoula Tuff and Frio Clay of Miocene and/or Oligocene age. All strata dip southward toward the Gulf of Mexico at about 50 to 60 feet per mile.

ATTACHMENT B

✓ Stratigraphic and Hydrogeologic Information

___ Site Inspection Supplimental Report(s)

___ Groundwater Monitoring System Supplimental Form

___ Residential Well Sampling Information

✓ Boring Logs and/or Monitoring Well construction and design

Table 1.--Stratigraphic and Hydrogeologic Framework of Part of the Coastal Plain of Texas

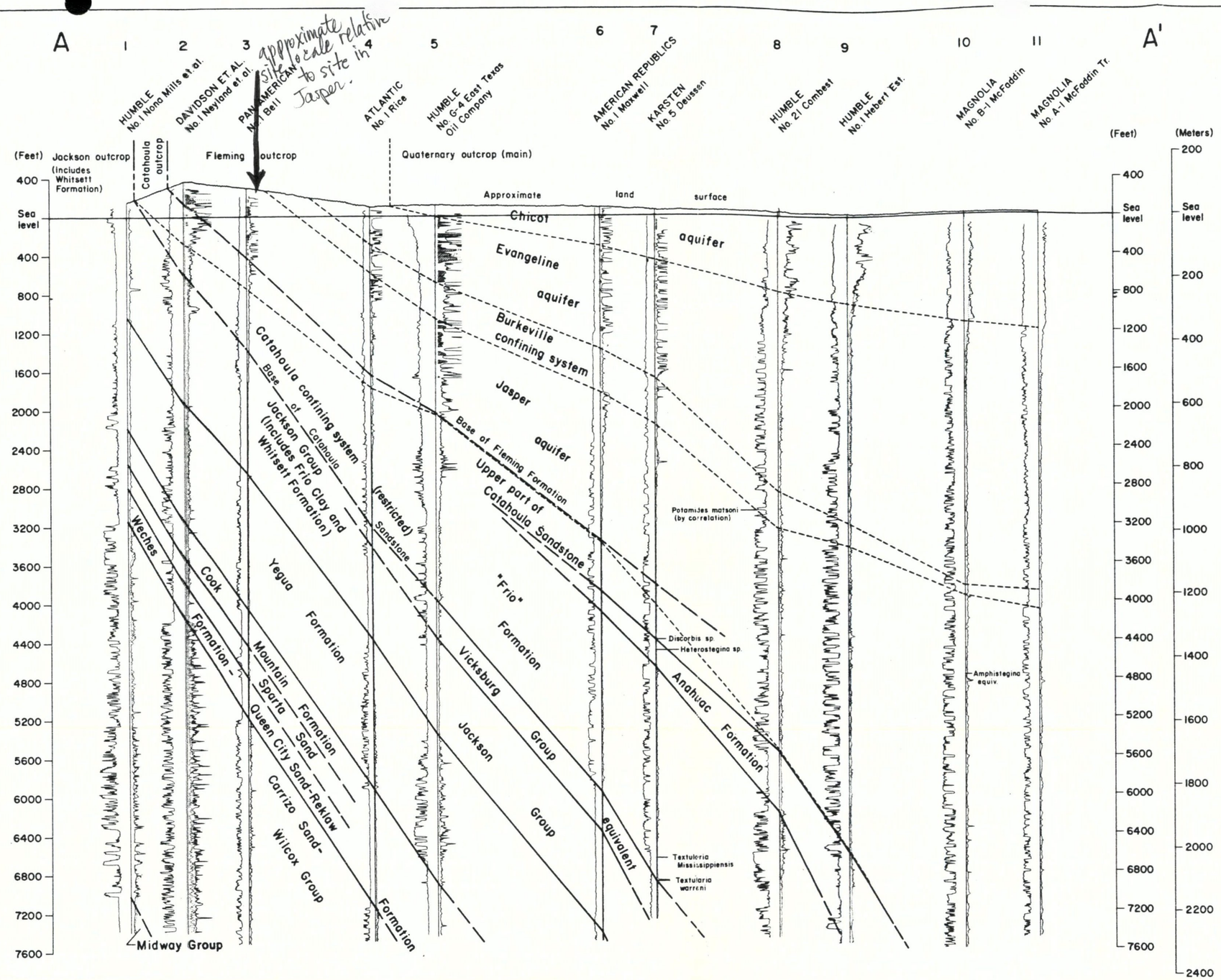
Era	System	Series	Stratigraphic Units	Hydrogeologic Units	Selected Faunal Markers	Remarks
CENOZOIC	Quaternary	Holocene	Alluvium	Chicot aquifer		Quaternary System undifferentiated on sections.
		Pleistocene	Beaumont Clay			
			Montgomery Formation			
			Bentley Formation			
			Willis Sand			
	Tertiary	Pliocene	Goliad Sand	Evangeline aquifer		Goliad Sand overlapped east of Lavaca County.
		Miocene	Fleming Formation	Burkeville confining system	*Potamides matsoni* *Bigenerina nodosaria var. directa* *Bigenerina humblei* *Amphistegina sp.*	
			Oakville Sandstone	Jasper aquifer		Oakville Sandstone included in Fleming Formation east of Washington County.
			Surface: Catahoula Tuff or Sandstone Subsurface: Upper part of Catahoula Tuff or Sandstone			Catahoula Tuff designated as Catahoula Sandstone east of Lavaca County.
			Anahuac Formation	Catahoula confining system (restricted)	*Discorbis nomada* *Discorbis gravelli* *Heterostegina sp.* *Marginulina idiomorpha*	Anahuac and "Frio" Formations may be Oligocene in age.
		?	"Frio" Formation		*Textularia mississippiensis*	
		Oligocene(?)	Surface: Frio Clay Subsurface: Vicksburg Group equivalent	Not discussed as hydrologic units in this report.	*Textularia warreni*	Frio Clay overlapped or not recognized on surface east of Live Oak County.
		?	Jackson Group: Whitsett Formation: Fashing Clay Member			Indicated members of Whitsett Formation apply to south-central Texas. Whitsett Formation east of Karnes County may be, in part or in whole, Oligocene in age.
			Calliham Sandstone Member or Tordilla Sandstone Member			
			Dubose Member		*Marginulina cocoaensis*	
			Deweesville Sandstone Member			
			Conquista Clay Member		*Textularia hockleyensis*	
			Dilworth Sandstone Member		*Massilina pratti*	
			Manning Clay			
		Eocene	Wellborn Sandstone		*Textularia dibollensis*	
			Caddell Formation			
			Claiborne Group: Yegua Formation		*Nonionella cockfieldensis* *Discorbis yeguaensis* *Eponides yeguaensis* *Ceratobulimina eximia*	
			Cook Mountain Formation			
			Sparta Sand			
			Weches Formation			
			Queen City Sand			
			Reklaw Formation			
			Carrizo Sand			
			Wilcox Group			
		Paleocene	Midway Group			

From TDWR Report 236, 1979

This Document Contained Material Which Was Not Filmed/Scanned

Title Figure 2 Stratigraphic and Hydro-Geologic Section A-A' (Oversized Map)

Please Refer to the File in Superfund Records Center

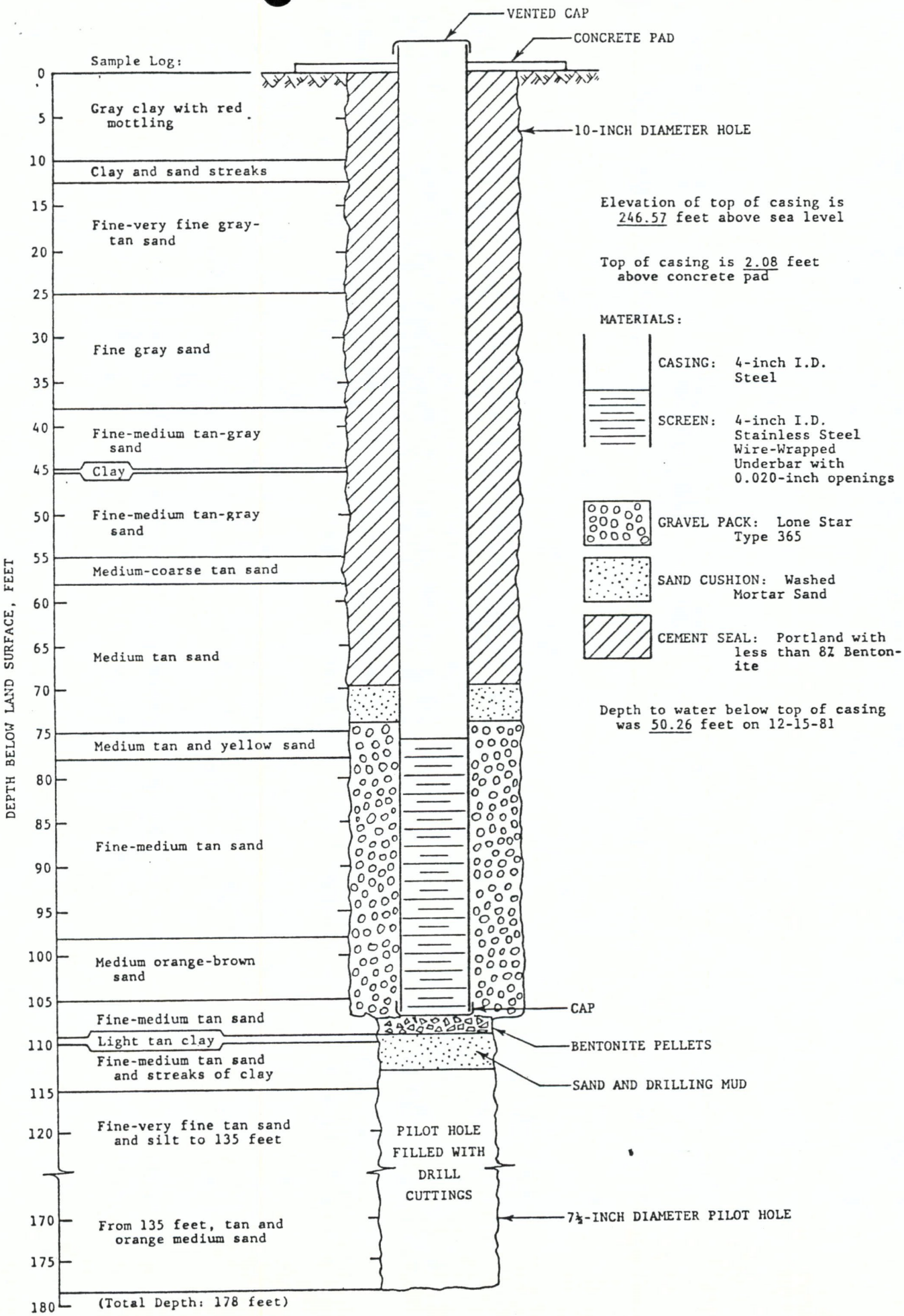


From TDWR Report 236, 1979

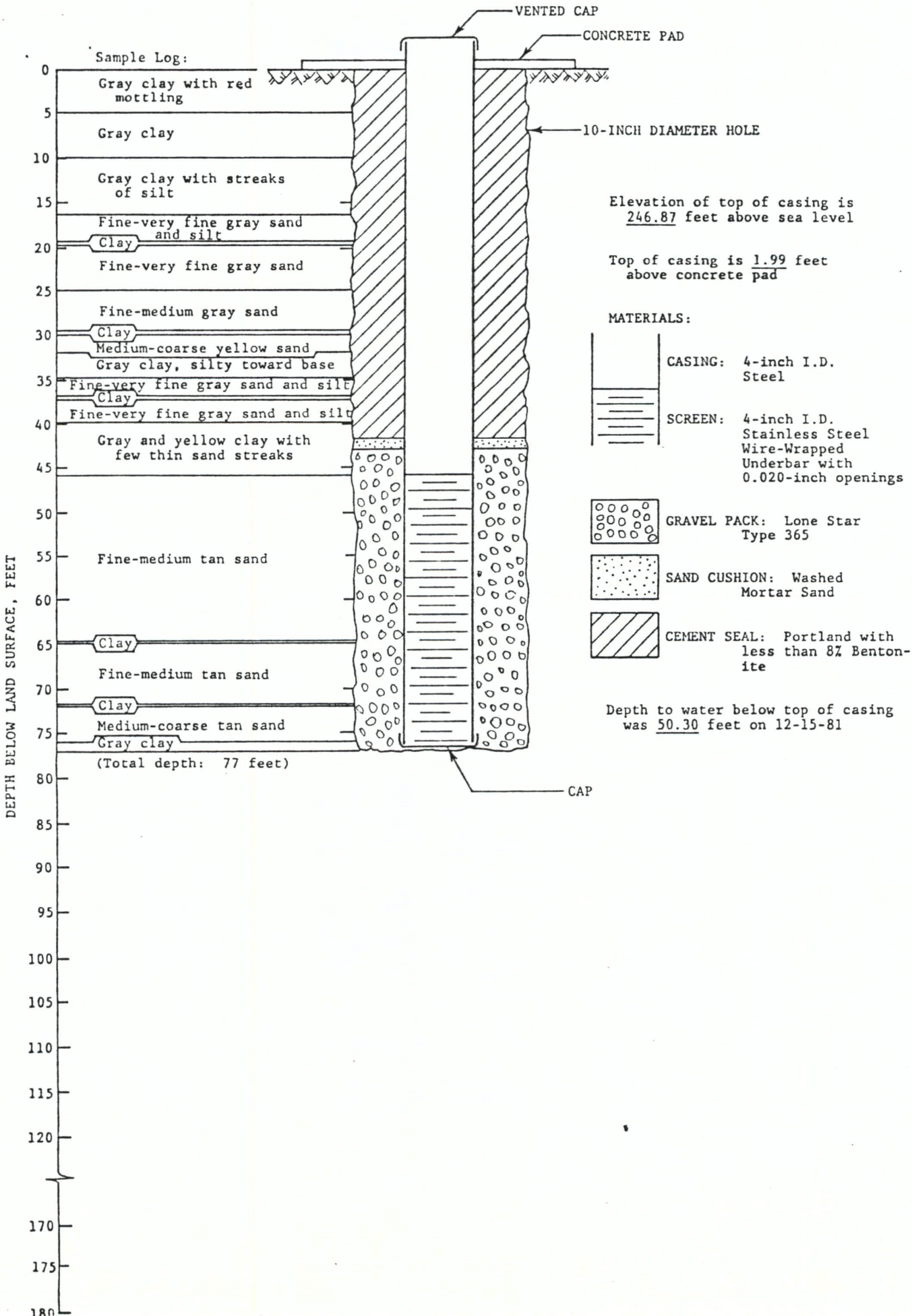
Figure 2

Stratigraphic and Hydrogeologic Section A-A'

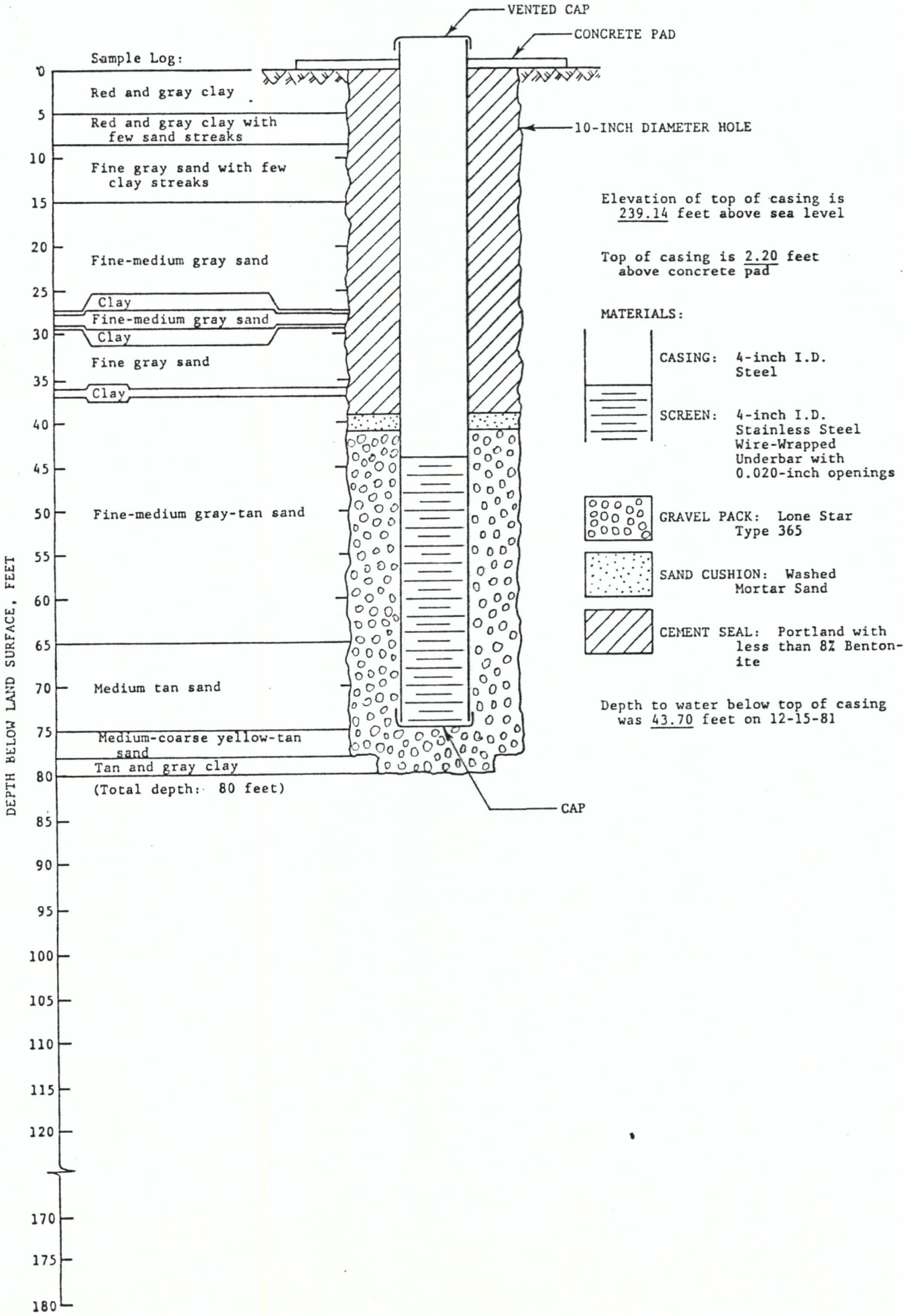
MONITOR WELL W-1



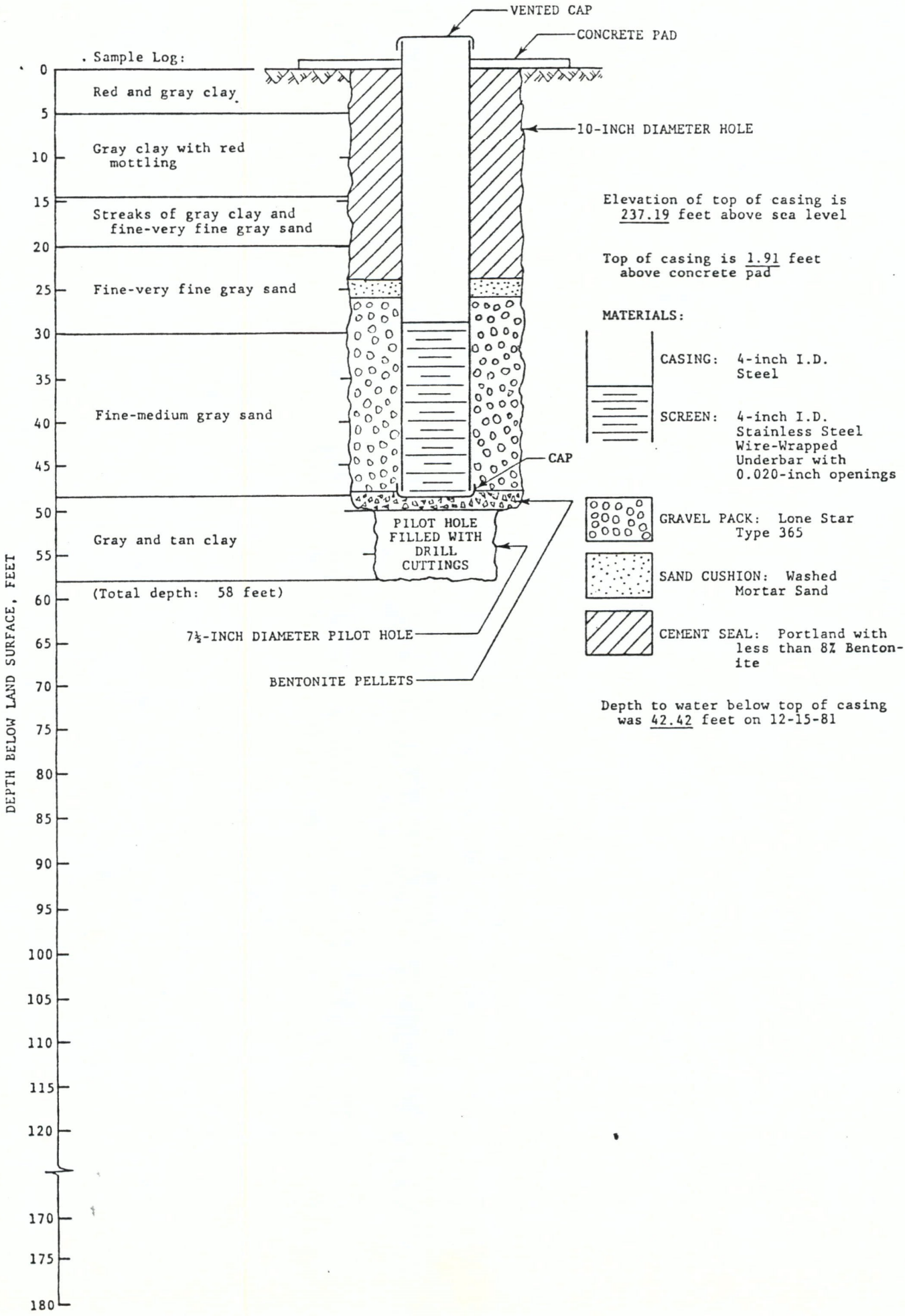
MONITOR WELL W-2



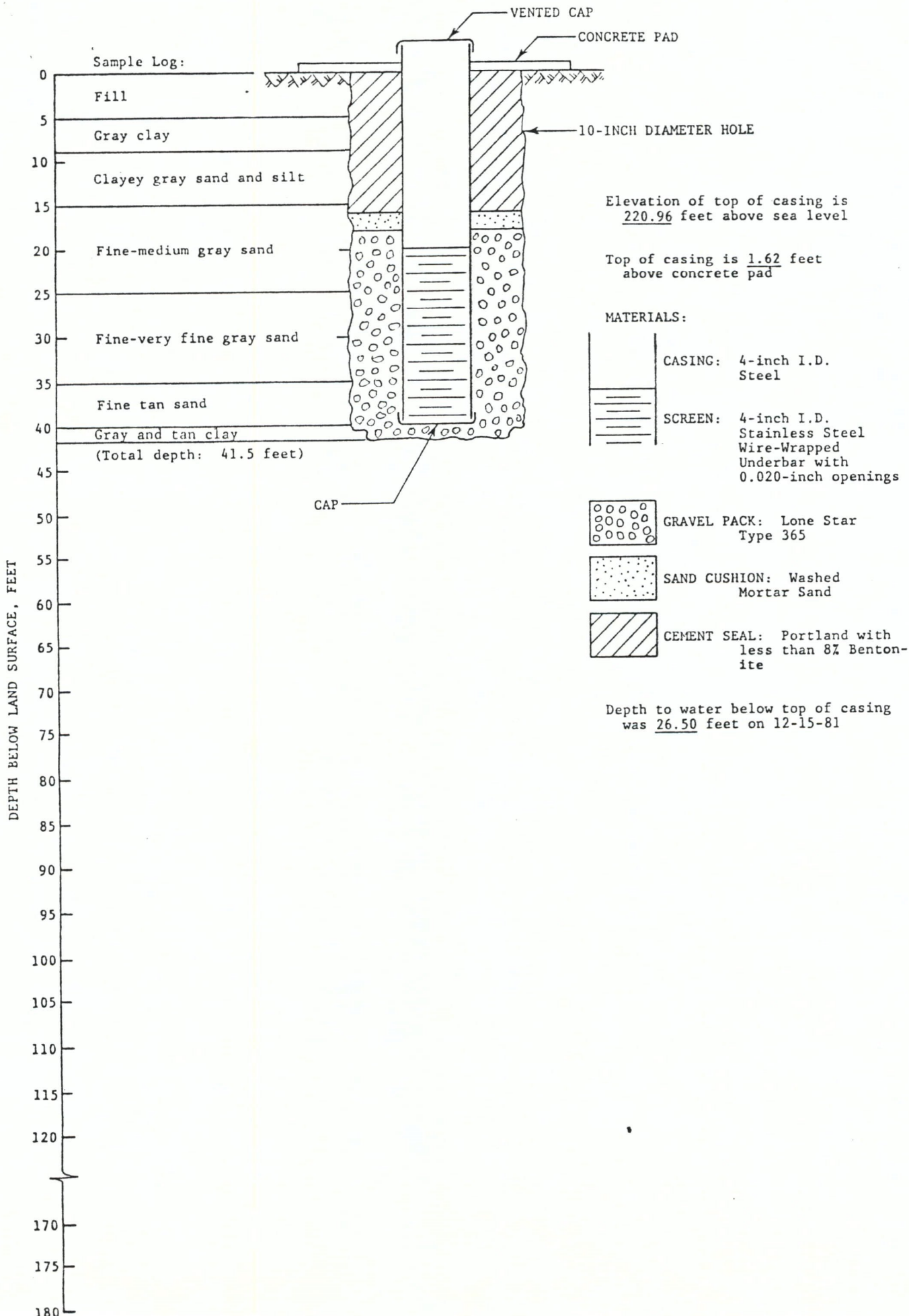
MONITOR WELL W-3



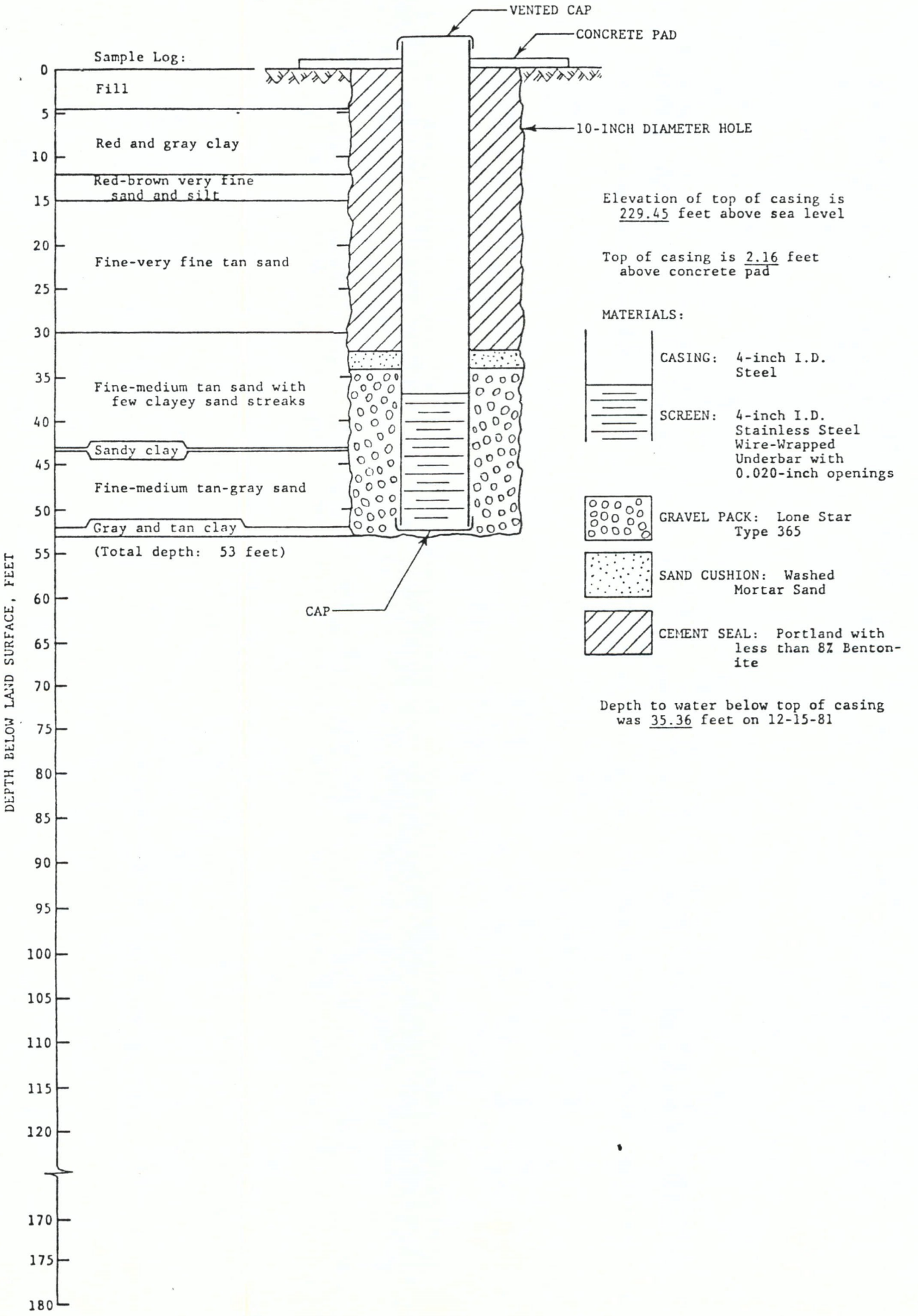
MONITOR WELL W-4



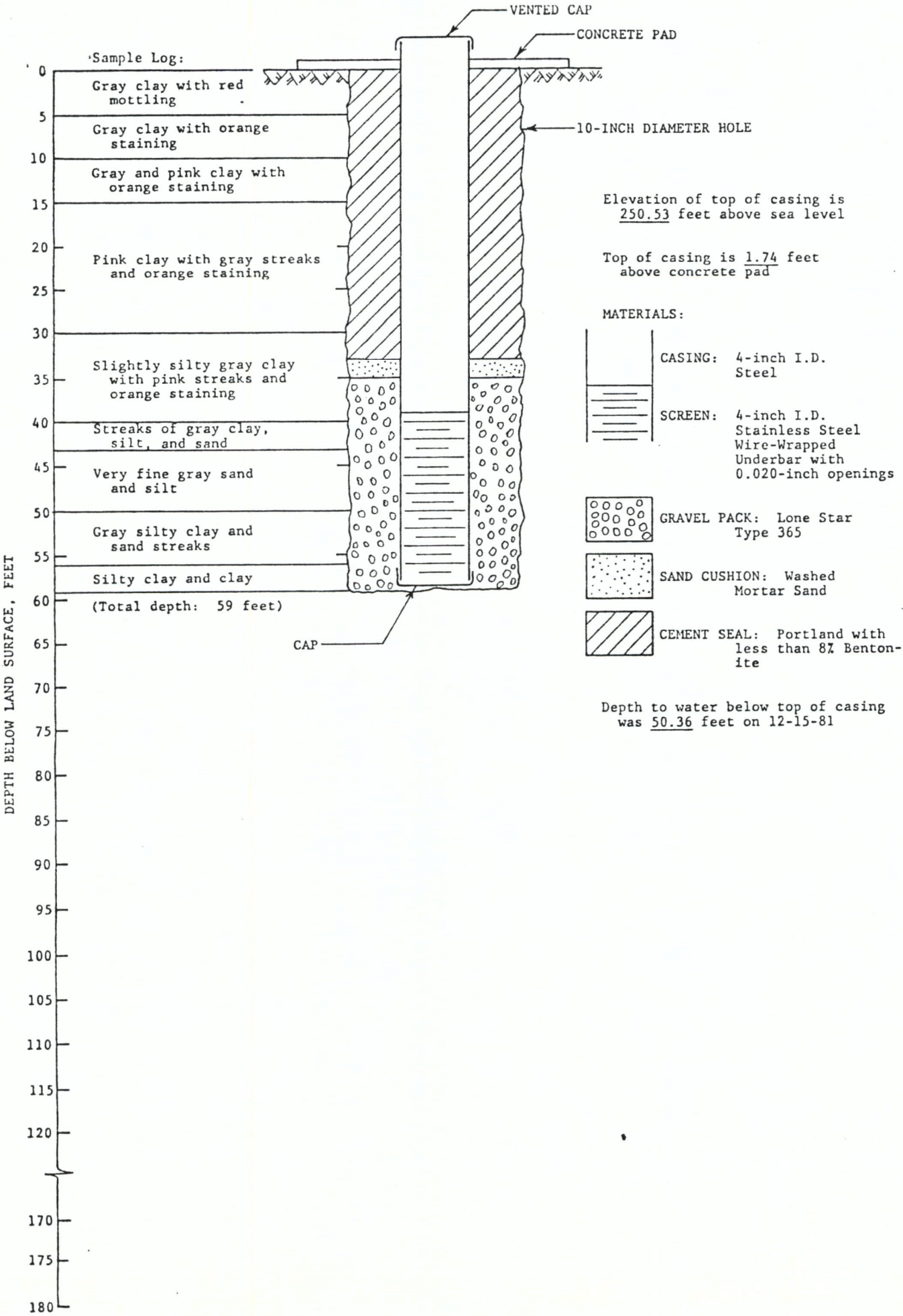
MONITOR WELL W-5



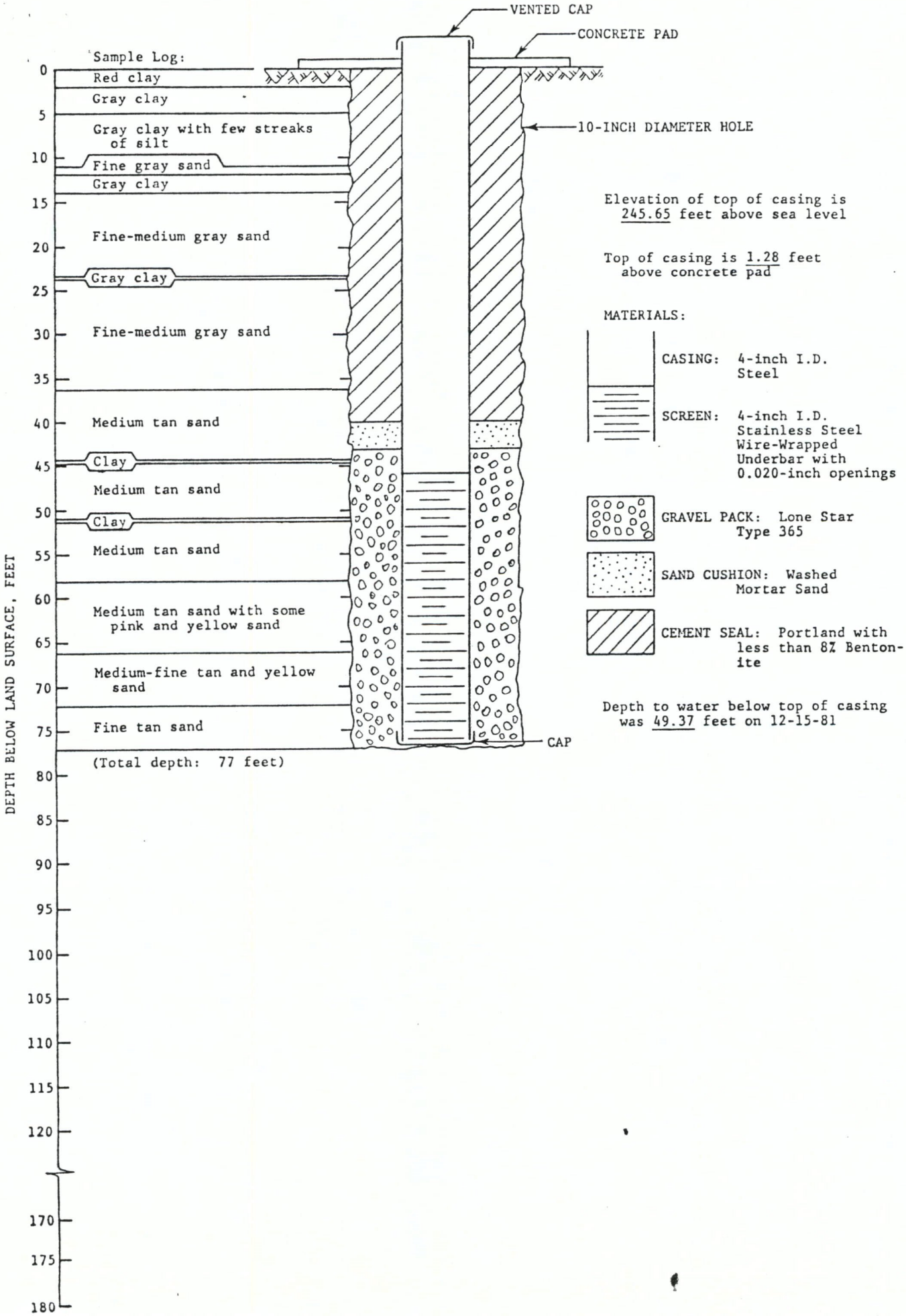
MONITOR WELL W-6



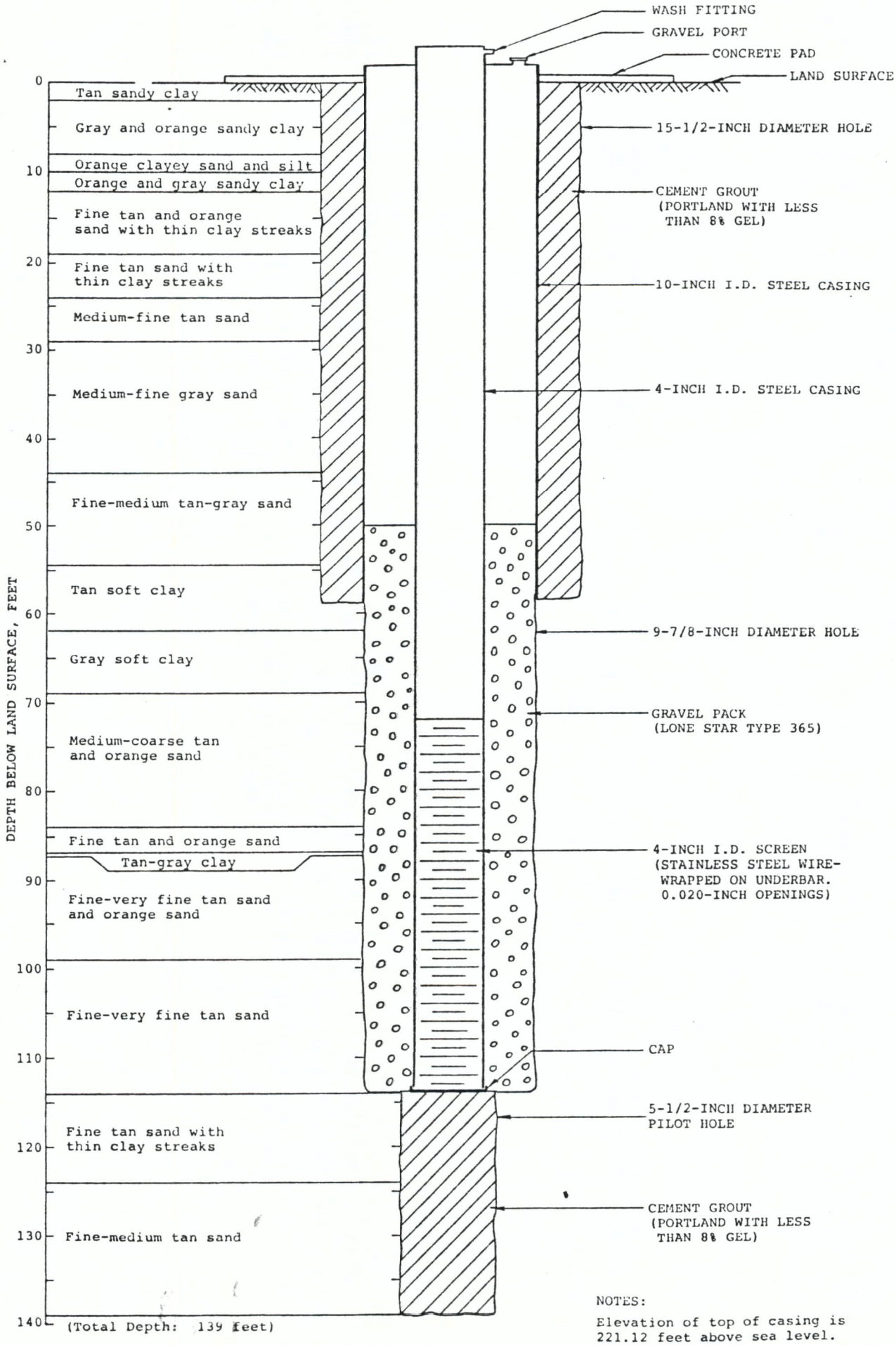
MONITOR WELL W-7



MONITOR WELL W-8



MONITOR WELL W

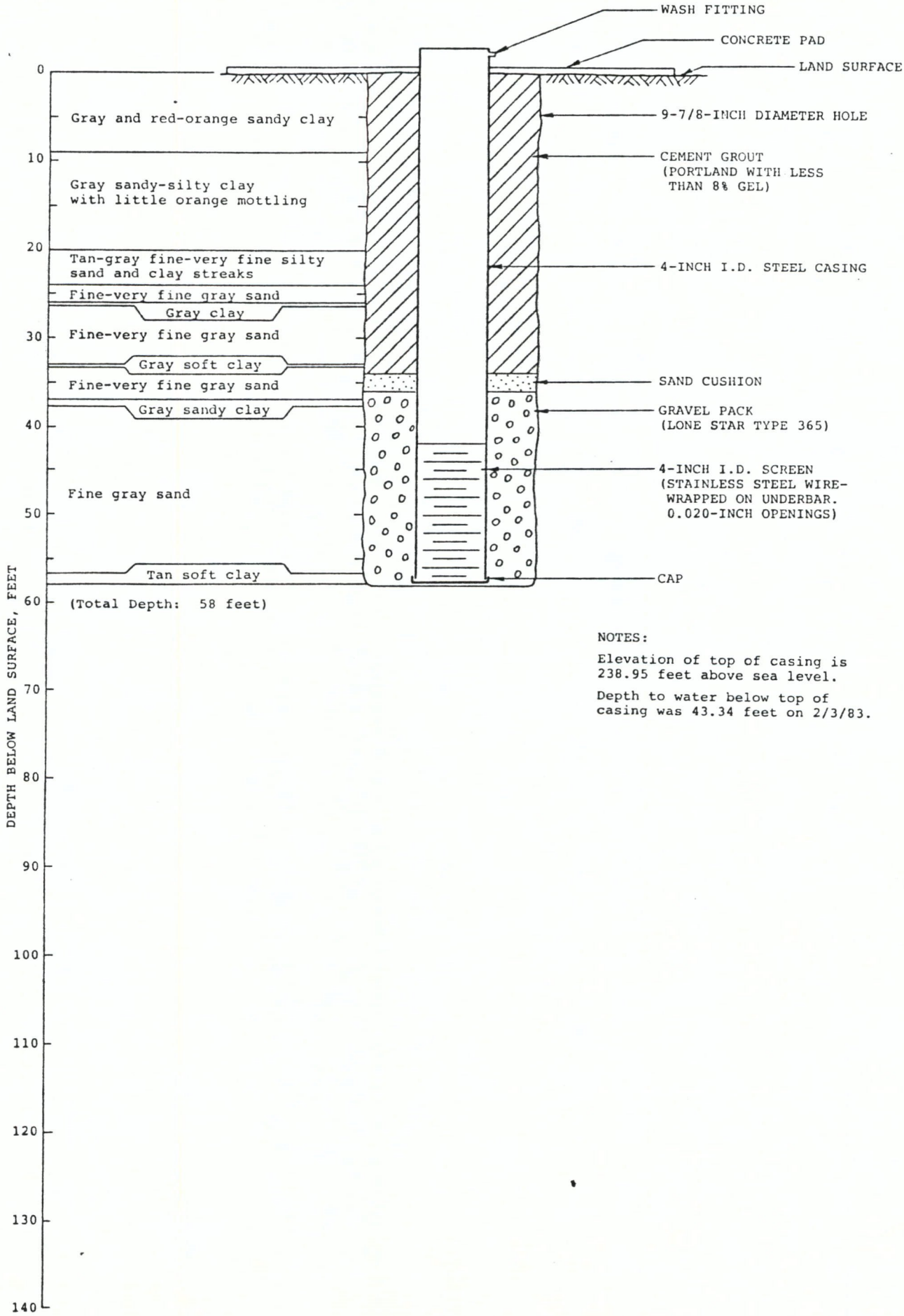


NOTES:

Elevation of top of casing is 221.12 feet above sea level.

Depth to water below top of casing was 25.25 feet on 2/1/83.

MONITOR WELL W

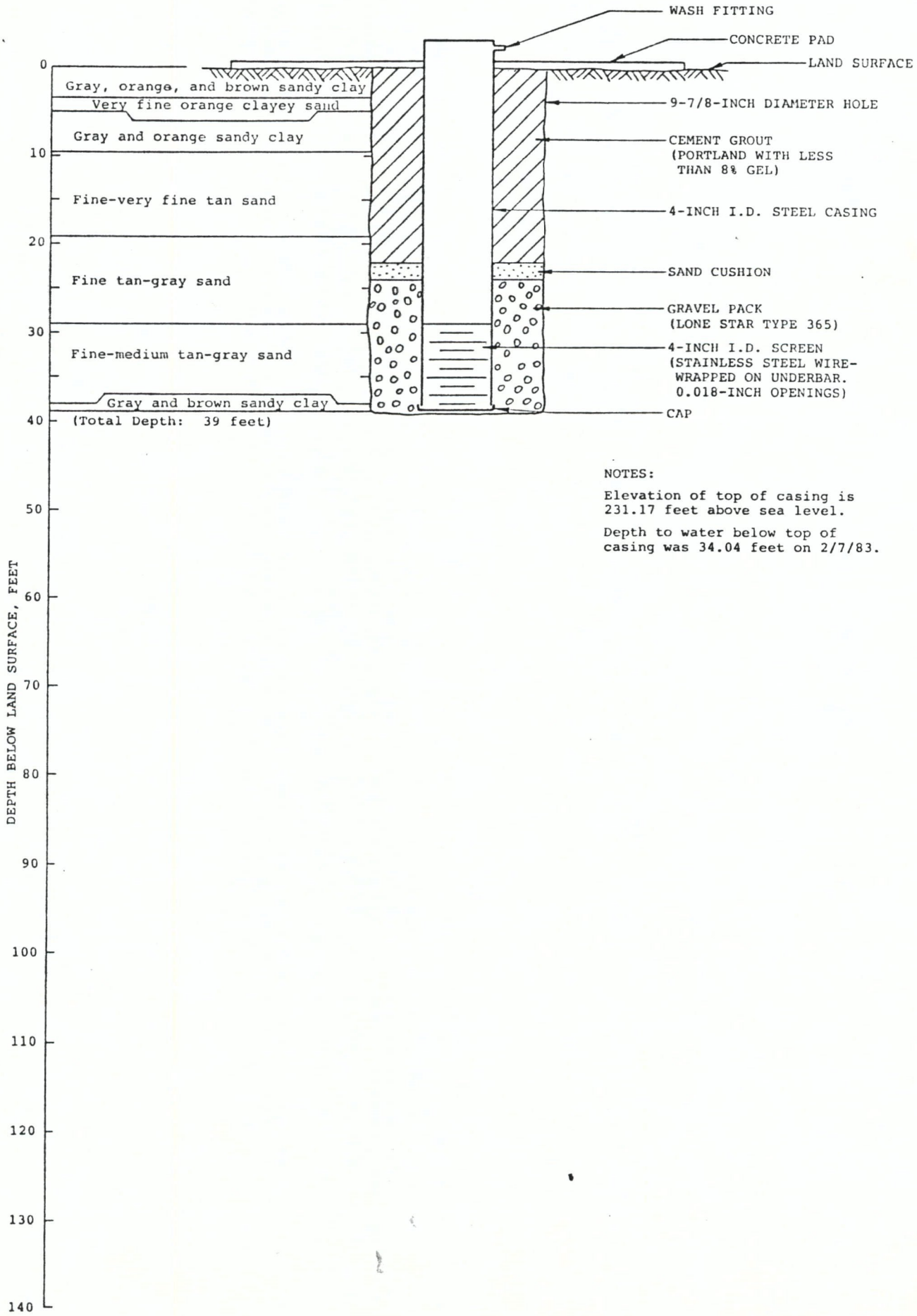


NOTES:

Elevation of top of casing is 238.95 feet above sea level.

Depth to water below top of casing was 43.34 feet on 2/3/83.

MONITOR WELL W-11



NOTES:

Elevation of top of casing is 231.17 feet above sea level.

Depth to water below top of casing was 34.04 feet on 2/7/83.

ATTACHMENT C

✓ Groundwater Monitoring Data

____ Report(s) from Previous Site Investigation(s)

This Document Contained Material Which Was Not Filmed/Scanned

Title Oversized Document Of Texas Co-op Inc

Please Refer to the File in Superfund Records Center

** PRODUCED BY THE M A P P E R 1 1 0 0 SYSTEM ** DATE 092586 PAGE 1

.DATE 21 MAY 85 16:23:48 RID 110 10 SEP 84 HAZGW

GROUND WATER STATIC INFORMATIOC0544

*TDWR *REG. *NO.	.EPA .ID .NUMBER	.EPA .SECONDARY .NUMBER	.CO. .WELL. .NO.	.U. .D.	.TX .CO .NO	.FIP. .DI. .NO	.TX. .BAS .NO	.TX .NO	.EPA .BAS .NO	.GEO. .AGE	.AQUIFER .NAME	.DATE .OF .CONST.	.TYPE. .OF .WELL.	WELL DEPTH (FEET)	.LATITUDE	.LONGITUDE	.TX.
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31340	TXD041468836	0031340DW002	W002	D	121	241	06	0603	1202	122	122JBKV	12-14-81	SSCR	77.0000			48
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31340	TXD041468836	0031340DW006	W006	D	121	241	06	0603	1202	122	122JBKV	12-14-81	SSCR	53.0000			48
31340	TXD041468836	0031340UW007	W007	U	121	241	06	0603	1202	122	122JBKV	12-14-81	SSCR	59.0000			48
31340	TXD041468836	0031340DW008	W008	D	121	241	06	0603	1202	122	122JBKV	12-14-81	SSCR	77.0000			48
31340	TXD041468836	0031340DW009	W009	D	121	241	06	0603	1202	122	122JBKV	02-07-83	SSCR	114.0000			48
31340	TXD041468836	0031340DW010	W010	D	121	241	06	0603	1202	122	122JBKV	02-07-83	SSCR	57.0000			48
31340	TXD041468836	0031340UW011	W011	U	121	241	06	0603	1202	122	122JBKV	02-07-83	SSCR	39.0000			48

..... END REPORT .....

Moore Business Forms, Inc. S

.DATE 15:34:03 RID 92 28 JAN 86 HAZGW

GROUND WATER QUALITY PARAMETERS F0552

*TDWR *REG *NO	.CO .WELL. NO	./.YR.D.	.S .A .M	.R .E .P	.PARA . CODE .	CHLORIDE VALUE MG/L	.PARA . CODE .	IRON VALUE MG/L	.PARA . CODE .	MANGANESE VALUE MG/L	.PARA . CODE .	PHENOLS VALUE MG/L	.PARA . CODE .	SODIUM VALUE MG/L	.PARA . CODE .	SULFATE VALUE MG/L
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31340	W002	D	82	01	01	00940	0013.0000	T1045	0002.5000	T1055	0000.0200	T2730	0000.0070	00929	0006.6000	00945 0004.0000
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Moore Business Forms, Inc. S

.DATE 15:34:03 RID 92 28 JAN 86 HAZGW

GROUND WATER QUALITY PARAMETERS F0552

*TDWR REG NO	.CO WELL NO	.U./D.	.YR.A M	.S E	.R P	.PARA CODE	CHLORIDE VALUE MG/L	.PARA CODE	IRON VALUE MG/L	.PARA CODE	MANGANESE VALUE MG/L	.PARA CODE	PHENOLS VALUE MG/L	.PARA CODE	SODIUM VALUE MG/L	.PARA CODE	SULFATE VALUE MG/L
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..... END REPORT .....

.DATE 15:33:40 RID 103 28 JAN 86 HAZGW

GROUND WATER CONTAMINATION PARAMETERS E0550

*TDWR REG NO	.CO WELL NO	./.YR D.	.S M	.R E P	.PARA CODE	PH VALUE STANDARD	.PARA CODE	CONDUCTVTY VALUE UMHOS	.PARA CODE	TOTAL ORG CARBON MG/L	.PARA CODE	TOTAL ORG HALOGEN MG/L
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31340	W002	D 82	01	01	00400	0000005.60	00095	0000000082	00680	<0001.0000	T0353	<0000.0100
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31340	W002	D 84	01	01	00400	000004.90	00095	000000087	00680	0005.0000	T0353	<0000.0100
31340	W002	D 84	02	01	00400	000005.70	00095	000000110	00680	<0002.0000	T0353	<0000.0100
31340	W002	D 84	02	72	00400	00000.669	00095	00000.589	00680	0001.2010	T0353	0000.6020
31340	W003	D 82	01	01	00400	0000005.70	00095	0000000074	00680	0001.0000	T0353	0000.0130
31340	W003	D 83	01	01	00400	000004.65	00095	000000075	00680	<0002.0000	T0353	<0000.0100
31340	W003	D 83	02	01	00400	000005.30	00095	000000079	00680	0007.0000	T0353	<0000.0100
31340	W003	D 84	01	01	00400	000005.20	00095	000000099	00680	0005.0000	T0353	<0000.0100
31340	W003	D 84	02	01	00400	000005.75	00095	000000115	00680	<0002.0000	T0353	<0000.0100
31340	W003	D 84	02	72	00400	00000.576	00095	00000.581	00680	0001.2010	T0353	0000.6020
31340	W004	D 82	01	01	00400	0000005.90	00095	0000000088	00680	<0003.0000	T0353	0000.0110
31340	W004	D 83	01	01	00400	000004.60	00095	000000097	00680	<0002.0000	T0353	<0000.0100
31340	W004	D 83	02	01	00400	000005.20	00095	000000096	00680	0005.0000	T0353	<0000.0100
31340	W004	D 84	01	01	00400	000004.80	00095	000000100	00680	0004.0000	T0353	<0000.0100
31340	W004	D 84	02	01	00400	000006.10	00095	000000146	00680	0005.0000	T0353	<0000.0100
31340	W004	D 84	02	72	00400	00000.074	00095	00000.533	00680	0000.4560	T0353	0000.6020
31340	W005	D 82	01	01	00400	0000006.30	00095	0000000190	00680	0006.0000	T0353	0000.0100
31340	W005	D 83	01	01	00400	000005.35	00095	000000195	00680	0007.0000	T0353	0000.0170
31340	W005	D 83	01	02	00400	000005.35	00095	000000193	00680	0007.0000	T0353	0000.0150
31340	W005	D 83	01	03	00400	000005.40	00095	000000193	00680	0007.0000	T0353	<0000.0100
31340	W005	D 83	01	04	00400	000005.40	00095	000000192	00680	0008.0000	T0353	<0000.0100
31340	W005	D 83	02	01	00400	000005.30	00095	000000196	00680	0015.0000	T0353	<0000.0100
31340	W005	D 83	02	02	00400	000005.20	00095	000000186	00680	0014.0000	T0353	<0000.0100
31340	W005	D 83	02	03	00400	000005.20	00095	000000196	00680	0014.0000	T0353	<0000.0100
31340	W005	D 83	02	04	00400	000005.30	00095	000000196	00680	0012.0000	T0353	<0000.0100
31340	W005	D 84	01	01	00400	000005.70	00095	000000304	00680	0017.0000	T0353	<0000.0100
31340	W005	D 84	01	02	00400	000005.70	00095	000000304	00680	0017.0000	T0353	<0000.0100
31340	W005	D 84	01	03	00400	000005.70	00095	000000308	00680	0018.0000	T0353	<0000.0100
31340	W005	D 84	01	04	00400	000005.70	00095	000000318	00680	0018.0000	T0353	<0000.0100
31340	W005	D 84	01	70	00400	000005.70	00095	00308.500	00680	0017.5000	T0353	<0000.0100
31340	W005	D 84	01	71	00400	000000.00	00095	00043.670	00680	0000.3300	T0353	0000.0000
31340	W005	D 84	02	01	00400	000006.05	00095	0000003 01	00680	0007.0000	T0353	<0000.0100
31340	W005	D 84	02	02	00400	000005.90	00095	000000297	00680	0009.0000	T0353	<0000.0100
31340	W005	D 84	02	03	00400	000005.95	00095	000000289	00680	0008.0000	T0353	<0000.0100
31340	W005	D 84	02	04	00400	000006.00	00095	000000293	00680	0007.0000	T0353	0000.0150
31340	W005	D 84	02	70	00400	00005.975	00095	000000295	00680	0007.7500	T0353	0000.0075
31340	W005	D 84	02	71	00400	00000.004	00095	0000026.7	00680	0000.9200	T0353	00.000025
31340	W005	D 84	02	72	00400	00000.336	00095	00000.606	00680	0003.1710	T0353	0000.7912
31340	W006	D 82	01	01	00400	0000006.50	00095	0000000440	00680	0022.0000	T0353	0000.0150
31340	W006	D 83	01	01	00400	000005.60	00095	000000487	00680	0028.0000	T0353	<0000.0100
31340	W006	D 83	01	02	00400	000005.70	00095	000000487	00680	0025.0000	T0353	0000.0220
31340	W006	D 83	01	03	00400	000005.65	00095	000000483	00680	0025.0000	T0353	<0000.0100
31340	W006	D 83	01	04	00400	000005.70	00095	000000483	00680	0027.0000	T0353	0000.0100

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GROUND WATER CONTAMINATION PARAMETERS E0550

*TDWR *REG *NO	.CO .WELL. NO	.U. /.YR. D.	.S .A M	.R .E P	.PARA .CODE .	PH VALUE STANDARD	.PARA .CODE .	CONDUCTVTY. VALUE UMHOS	.PARA .CODE .	TOTAL ORG.. CARBON MG/L	.PARA .CODE .	TOTAL ORG.. HALOGEN MG/L
31340	W006	D	83	02	01 00400	000005.30	00095	000000200	00680	0033.0000	T0353	<0000.0100
31340	W006	D	83	02	02 00400	000005.30	00095	000000200	00680	0037.0000	T0353	<0000.0100
31340	W006	D	83	02	03 00400	000005.40	00095	000000196	00680	0033.0000	T0353	<0000.0100
31340	W006	D	83	02	04 00400	000005.30	00095	000000186	00680	0035.0000	T0353	<0000.0100
31340	W006	D	84	01	01 00400	000005.90	00095	000000554	00680	0037.0000	T0353	<0000.0100
31340	W006	D	84	01	02 00400	000005.90	00095	000000568	00680	0043.0000	T0353	0000.0110
31340	W006	D	84	01	03 00400	000005.90	00095	000000554	00680	0039.0000	T0353	0000.0110
31340	W006	D	84	01	04 00400	000005.90	00095	000000554	00680	0038.0000	T0353	<0000.0100
31340	W006	D	84	01	70 00400	000005.90	00095	00557.500	00680	0039.2500	T0353	0000.0080
31340	W006	D	84	01	71 00400	000000.00	00095	00049.000	00680	0006.9200	T0353	00.000012
31340	W006	D	84	02	01 00400	000006.24	00095	000000473	00680	0030.0000	T0353	<0000.0100
31340	W006	D	84	02	02 00400	000006.24	00095	000000473	00680	0036.0000	T0353	<0000.0100
31340	W006	D	84	02	03 00400	000006.33	00095	000000473	00680	0033.0000	T0353	<0000.0100
31340	W006	D	84	02	04 00400	000006.24	00095	000000473	00680	0035.0000	T0353	<0000.0100
31340	W006	D	84	02	70 00400	000006.26	00095	000000473	00680	0033.5000	T0353	<0000.0100
31340	W006	D	84	02	71 00400	00000.002	00095	000000000	00680	0007.0000	T0353	0000.0000
31340	W006	D	84	02	72 00400	00000.746	00095	00000.050	00680	0022.8460	T0353	0001.2110
31340	W007	U	82	01	01 00400	0000006.80	00095	000001440	00680	0005.0000	T0353	0000.0290
31340	W007	U	82	01	02 00400	0000006.80	00095	000001450	00680	0006.0000	T0353	0000.0310
31340	W007	U	82	01	03 00400	0000006.90	00095	000001450	00680	0006.0000	T0353	0000.0290
31340	W007	U	82	01	04 00400	0000006.90	00095	000001500	00680	0006.0000	T0353	0000.0290
31340	W007	U	84	01	01 00400	000006.30	00095	00001380	00680		T0353	
31340	W007	U	84	02	01 00400	000006.50	00095	000001571	00680	<0002.0000	T0353	0000.0430
31340	W007	U	84	02	72 00400	00000.818	00095	00001.682	00680	0001.2010	T0353	0002.4870
31340	W007	U	84	02	90 00400	000006.65	00095	000001462	00680	0005.3000	T0353	0000.0320
31340	W007	U	84	02	91 00400	00000.043	00095	000003555	00680	0003.9000	T0353	00.000037
31340	W008	D	82	01	01 00400	0000005.70	00095	0000000110	00680	0001.0000	T0353	<0000.0100
31340	W008	D	83	01	01 00400	000004.80	00095	000000110	00680	<0002.0000	T0353	<0000.0100
31340	W008	D	83	02	01 00400	000005.60	00095	000000120	00680	0005.0000	T0353	<0000.0100
31340	W008	D	84	01	01 00400	000005.20	00095	000000108	00680	0005.0000	T0353	<0000.0100
31340	W008	D	84	02	01 00400	000006.00	00095	000000153	00680	<0002.0000	T0353	<0000.0100
31340	W008	D	84	02	72 00400	00000.111	00095	00000.522	00680	0001.2010	T0353	0000.6020
31340	W009	D	83	01	01 00400	000005.00	00095	000000110	00680	<0002.0000	T0353	<0000.0100
31340	W009	D	83	02	01 00400	000005.40	00095	000000088	00680	0005.0000	T0353	<0000.0100
31340	W010	D	83	01	01 00400	000005.70	00095	000000504	00680	0002.0000	T0353	<0000.0100
31340	W010	D	83	01	02 00400	000005.75	00095	000000504	00680	0002.0000	T0353	<0000.0100
31340	W010	D	83	01	03 00400	000005.90	00095	000000504	00680	<0002.0000	T0353	0000.0160
31340	W010	D	83	01	04 00400	000005.75	00095	000000504	00680	<0002.0000	T0353	<0000.0100
31340	W010	D	83	02	01 00400	000005.70	00095	000000524	00680	0007.0000	T0353	<0000.0100
31340	W010	D	83	02	02 00400	000005.80	00095	000000524	00680	0007.0000	T0353	<0000.0100
31340	W010	D	83	02	03 00400	000005.80	00095	000000512	00680	0007.0000	T0353	<0000.0100
31340	W010	D	83	02	04 00400	000005.80	00095	000000512	00680	0006.0000	T0353	<0000.0100
31340	W010	D	84	01	01 00400	000006.00	00095	000000540	00680	0006.0000	T0353	<0000.0100
31340	W010	D	84	01	02 00400	000006.00	00095	000000540	00680	0004.0000	T0353	<0000.0100
31340	W010	D	84	01	03 00400	000006.20	00095	000000527	00680	0006.0000	T0353	<0000.0100
31340	W010	D	84	01	04 00400	000006.20	00095	000000527	00680	0006.0000	T0353	<0000.0100
31340	W010	D	84	01	70 00400	000006.10	00095	00533.500	00680	0005.5000	T0353	<0000.0100
31340	W010	D	84	01	71 00400	000000.01	00095	00056.300	00680	0001.0000	T0353	0000.0000
31340	W010	D	84	02	01 00400	000006.20	00095	000000524	00680	<0002.0000	T0353	<0000.0100
31340	W010	D	84	02	02 00400	000006.20	00095	000000524	00680	<0002.0000	T0353	0000.0140
31340	W010	D	84	02	3 00400	000006.20	00095	[illegible]0000524	00680	<0002.0000	T0353	<0000 [illegible]00

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GROUND WATER CONTAMINATION PARAMETERS E0550

*TDWR REG NO	.CO WELL NO	.U. D.	.S YR. M	.A	.R E P	.PARA CODE	PH VALUE STANDARD	.PARA CODE	CONDUCTVTY VALUE UMHOS	.PARA CODE	TOTAL ORG CARBON MG/L	.PARA CODE	TOTAL ORG HALOGEN MG/L
31340	W010	D	84	02	04	00400	000006.20	00095	000000524	00680	<0002.0000	T0353	<0000.0100
31340	W010	D	84	02	70	00400	000006.20	00095	000000524	00680	<0002.0000	T0353	0000.0072
31340	W010	D	84	02	71	00400	000000.00	00095	000000000	00680	0000.0000	T0353	000.00002
31340	W010	D	84	02	72	00400	00000.523	00095	00000.109	00680	0002.4140	T0353	0000.8340
31340	W011	U	83	01	01	00400	000005.55	00095	000000091	00680	0002.0000	T0353	<0000.0100
31340	W011	U	83	01	01	00400	000005.55	00095	000000091	00680	<0002.0000	T0353	<0000.0100
31340	W011	U	83	01	01	00400	000005.50	00095	000000089	00680	<0002.0000	T0353	<0000.0100
31340	W011	U	83	01	01	00400	000005.55	00095	000000097	00680	<0002.0000	T0353	0000.0160
31340	W011	U	83	02	01	00400	000005.60	00095	000000102	00680	0006.0000	T0353	<0000.0100
31340	W011	U	83	02	02	00400	000005.60	00095	000000102	00680	0005.0000	T0353	<0000.0100
31340	W011	U	83	02	03	00400	000005.60	00095	000000102	00680	0006.0000	T0353	<0000.0100
31340	W011	U	83	02	04	00400	000005.70	00095	000000101	00680	0005.0000	T0353	<0000.0100
31340	W011	U	84	01	01	00400	000005.60	00095	000000107	00680	0006.0000	T0353	<0000.0100
31340	W011	U	84	01	02	00400	000005.70	00095	000000108	00680	0005.0000	T0353	<0000.0100
31340	W011	U	84	01	03	00400	000005.65	00095	000000106	00680	0006.0000	T0353	<0000.0100
31340	W011	U	84	01	04	00400	000005.65	00095	000000106	00680	0006.0000	T0353	<0000.0100
31340	W011	U	84	01	70	00400	000005.65	00095	00016.750	00680	0005.7500	T0353	<0000.0100
31340	W011	U	84	01	71	00400	00000.002	00095	00000.920	00680	0000.2500	T0353	
31340	W011	U	84	02	01	00400	000006.20	00095	000000121	00680	<0002.0000	T0353	<0000.0100
31340	W011	U	84	02	02	00400	000006.10	00095	000000120	00680	<0002.0000	T0353	0000.0130
31340	W011	U	84	02	03	00400	000006.10	00095	000000120	00680	<0002.0000	T0353	<0000.0100
31340	W011	U	84	02	04	00400	000006.15	00095	000000124	00680	<0002.0000	T0353	<0000.0100
31340	W011	U	84	02	70	00400	000006.14	00095	00121.250	00680	<0002.0000	T0353	0000.0070
31340	W011	U	84	02	71	00400	00000.002	00095	00003.580	00680	0000.0000	T0353	000.00002
31340	W011	U	84	02	72	00400	00000.298	00095	000001149	00680	0002.4140	T0353	0000.8760
31340	W011	U	84	02	90	00400	000005.78	00095	000000106	00680	0003.3000	T0353	0000.0062
31340	W011	U	84	02	91	00400	000000.09	00095	000000121	00680	0005.3500	T0353	00.000011

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GROUND WATER SAMPLE EVENT INFORMATION D0546

*TDWR REG NO	.CO WELL NO	.U. D.	.S YR M	.A	.DATE OF SAMPLE	.PARA CODE	.MTHD OF SAMP.	.PARA CODE	GW ELEVATION (FEET)	.PARA CODE	SAMPLE TOP INTRV (FEET)	.PARA CODE	SAMPLE BOT INTRV (FEET)
31340	W001	D	82	01	09-28-82	84077	SUBP	72020	0000.0000	72015	0000.0000	72016	
31340	W001	D	83	01	05-02-83	84077	SUBP	72020	0197.4500	72015		72016	
31340	W001	D	83	02	11-08-83	84077	SUBP	72020	0197.1300	72015		72016	
31340	W001	D	84	01	04-04-84	84077	SUBP	72020	0195.3400	72015	0076.0000	72016	0106.0000
31340	W001	D	84	02	10-17-84	84077	SUBP	72020	0197.1200	72015	0076.0000	72016	0106.0000
31340	W002	D	82	01	09-28-82	84077	SUBP	72020	0000.0000	72015	0000.0000	72016	
31340	W002	D	83	01	05-02-83	84077	SUBP	72020	0197.7200	72015		72016	
31340	W002	D	83	02	11-08-83	84077	SUBP	72020	0197.3900	72015		72016	
31340	W002	D	84	01	04-04-84	84077	SUBP	72020	0198.0200	72015	0046.8000	72016	0076.0000
31340	W002	D	84	02	10-17-84	84077	SUBP	72020	0197.3800	72015	0047.4000	72016	0076.0000
31340	W003	D	82	01	09-28-82	84077	SUBP	72020	0000.0000	72015	0000.0000	72016	
31340	W003	D	83	01	05-02-83	84077	SUBP	72020	0196.0800	72015		72016	
31340	W003	D	83	02	11-08-83	84077	SUBP	72020	0195.7700	72015		72016	
31340	W003	D	84	01	04-04-84	84077	SUBP	72020	0196.9600	72015	0044.0000	72016	0074.0000
31340	W003	D	84	02	10-17-84	84077	SUBP	72020	0195.7400	72015	0044.0000	72016	0074.0000
31340	W004	D	82	01	09-28-82	84077	SUBP	72020	0000.0000	72015	0000.0000	72016	
31340	W004	D	83	01	05-02-83	84077	SUBP	72020	0195.4100	72015		72016	
31340	W004	D	83	02	11-08-83	84077	SUBP	72020	0195.0000	72015		72016	
31340	W004	D	84	01	04-04-84	84077	SUBP	72020	0196.3300	72015	0038.5000	72016	0048.0000
31340	W004	D	84	02	11-08-84	84077	SUBP	72020	0194.9300	72015	0039.9000	72016	0048.0000
31340	W005	D	82	01	09-28-82	84077	SUBP	72020	0000.0000	72015	0000.0000	72016	
31340	W005	D	83	01	05-02-83	84077	SUBP	72020	0195.3700	72015		72016	
31340	W005	D	83	02	11-08-83	84077	SUBP	72020	0194.9600	72015		72016	
31340	W005	D	84	01	04-04-84	84077	SUBP	72020	0196.4300	72015	0022.1000	72016	0040.0000
31340	W005	D	84	02	10-17-84	84077	SUBP	72020	0194.8500	72015	0023.7000	72016	0040.0000
31340	W006	D	82	01	09-28-82	84077	SUBP	72020	0000.0000	72015	0000.0000	72016	0000.0000
31340	W006	D	83	01	05-02-83	84077	SUBP	72020	0194.9300	72015		72016	
31340	W006	D	83	02	11-08-83	84077	SUBP	72020	0194.5300	72015		72016	
31340	W006	D	84	01	04-04-84	84077	SUBP	72020	0096.0500	72015	0037.0000	72016	0052.0000
31340	W006	D	84	02	11-08-84	84077	SUBP	72020	0194.2300	72015	0037.0000	72016	0052.0000
31340	W007	U	82	01	09-28-82	84077	SUBP	72020	0000.0000	72015	0000.0000	72016	0000.0000
31340	W007	U	84	01	04-04-84	84077	SUBP	72020	0200.9400	72015	0047.6000	72016	0058.0000
31340	W007	U	84	02	10-17-84	84077	SUBP	72020	0200.9400	72015	0047.6000	72016	0058.0000
31340	W008	D	82	01	09-28-82	84077	SUBP	72020	0000.0000	72015	0000.0000	72016	0000.0000
31340	W008	D	83	01	05-02-83	84077	SUBP	72020	0197.4200	72015		72016	
31340	W008	D	83	02	11-08-83	84077	SUBP	72020	0197.1000	72015		72016	
31340	W008	D	84	01	04-04-84	84077	SUBP	72020	0197.6600	72015	0046.2000	72016	0077.0000
31340	W008	D	84	02	10-17-84	84077	SUBP	72020	0197.1100	72015	0046.8000	72016	0077.0000
31340	W009	D	83	01	05-02-83	84077	SUBP	72020	0196.0000	72015		72016	
31340	W009	D	83	02	11-08-83	84077	SUBP	72020	0196.0600	72015		72016	
31340	W010	D	83	01	05-02-83	84077	SUBP	72020	0194.5400	72015		72016	
31340	W010	D	83	02	11-08-83	84077	SUBP	72020	0194.0100	72015		72016	
31340	W010	D	84	01	04-04-84	84077	SUBP	72020	0195.7000	72015	0042.0000	72016	0058.0000
31340	W010	D	84	02	10-17-84	84077	SUBP	72020	0193.7800	72015	0042.6000	72016	0058.0000
31340	W011	U	83	01	05-02-83	84077	SUBP	72020	0196.8900	72015		72016	
31340	W011	D	83	02	11-08-83	84077	SUBP	72020	0197.5300	72015		72016	
31340	W011	U	84	01	04-04-84	84077	SUBP	72020	0198.8000	72015	0030.4000	72016	0044.0000
31340	W011	U	84	02	10-17-84	84077	SUBP	72020	0197.7000	72015	0031.5000	72016	0044.0000

..... END REPORT .....

ATTACHMENT D

___ Site Safety and Work Plan

✓ Site sketch

___ Laboratory data

___ Chain-of-Custody form(s)

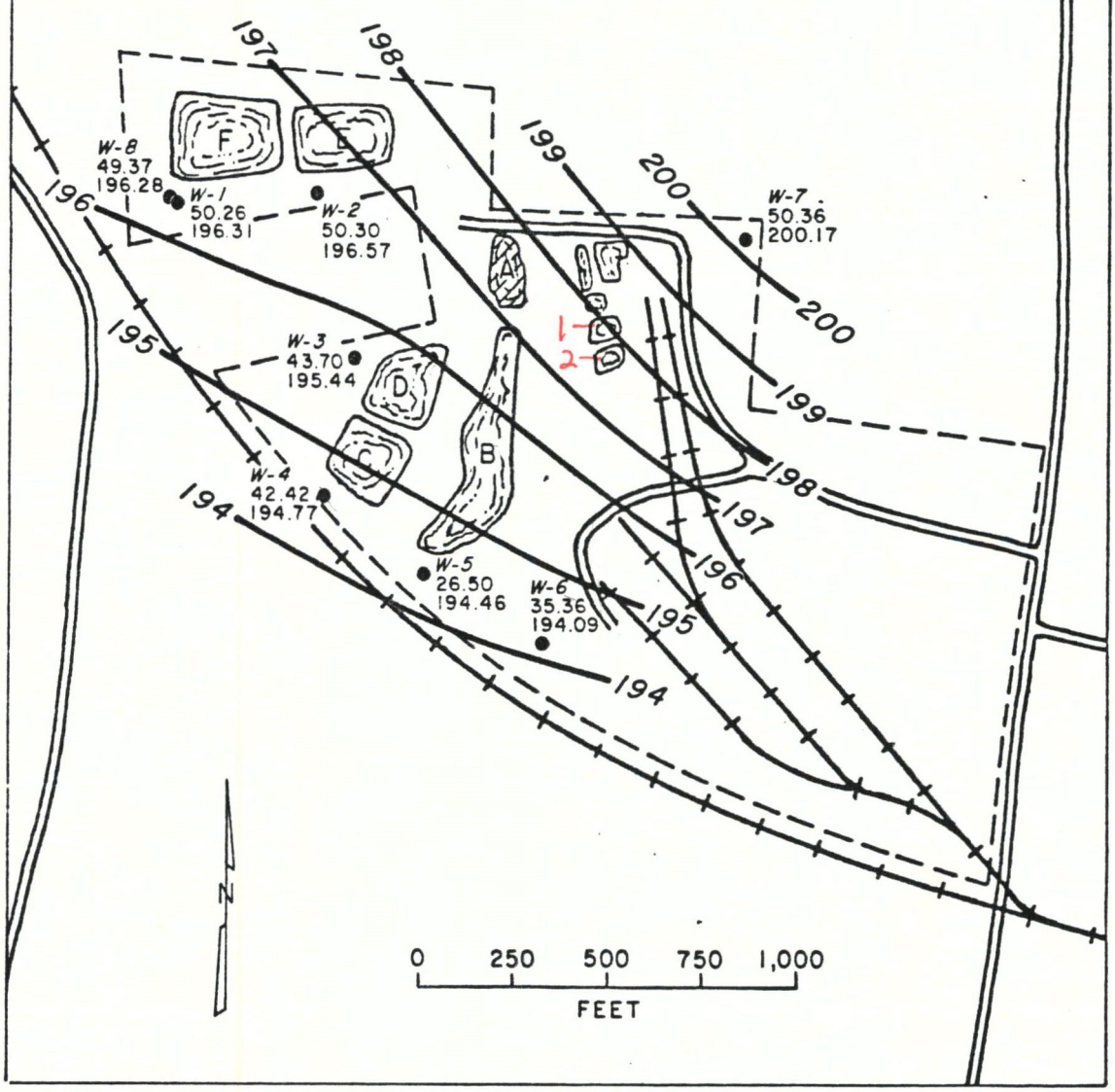
✓ Topographic map

✓ Floodplain map

___ Photographs

SITE SKETCH
ELECTRIC CO-OP, INC.
(TX13838)

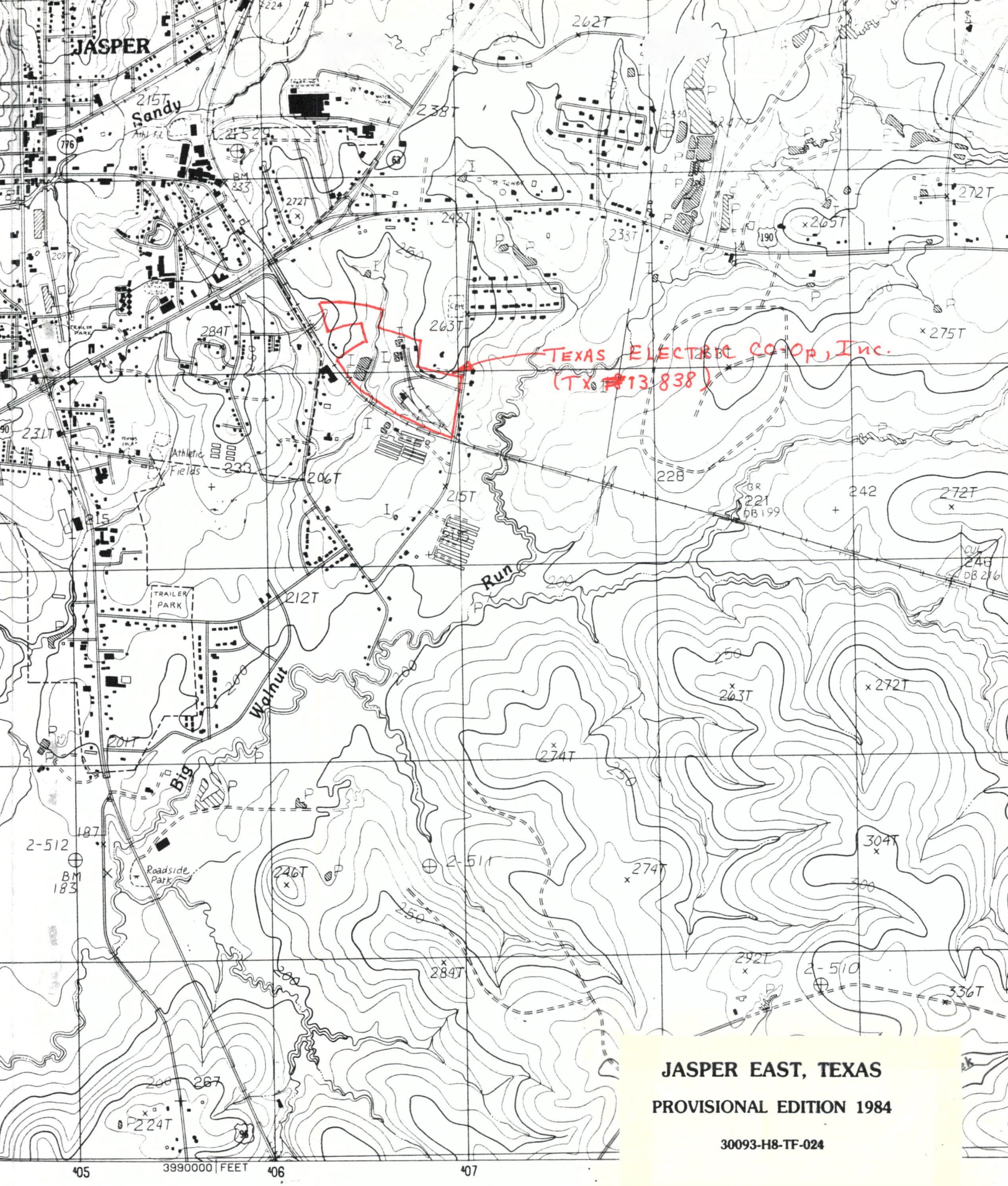
Sketch taken from a report prepared by William F. Guyton Associates, Inc. in March 1982, titled Construction and Testing of Monitor Wells W-1 Through W-8 AT Texas Electric Cooperatives' Pole Treating Plant AT Jasper, Texas.



EXPLANATION

- LOCATION OF MONITOR WELL
- W-2 — MONITOR WELL NUMBER
- 50.30 — DEPTH TO WATER BELOW TOP OF CASING, FEET
- 196.57 — WATER LEVEL ELEVATION, FEET ABOVE SEA LEVEL
- 198 — CONTOUR OF WATER LEVEL ELEVATION, FEET ABOVE SEA LEVEL

Figure 3. WATER-LEVEL ELEVATIONS



JASPER EAST, TEXAS

PROVISIONAL EDITION 1984

30093-H8-TF-024

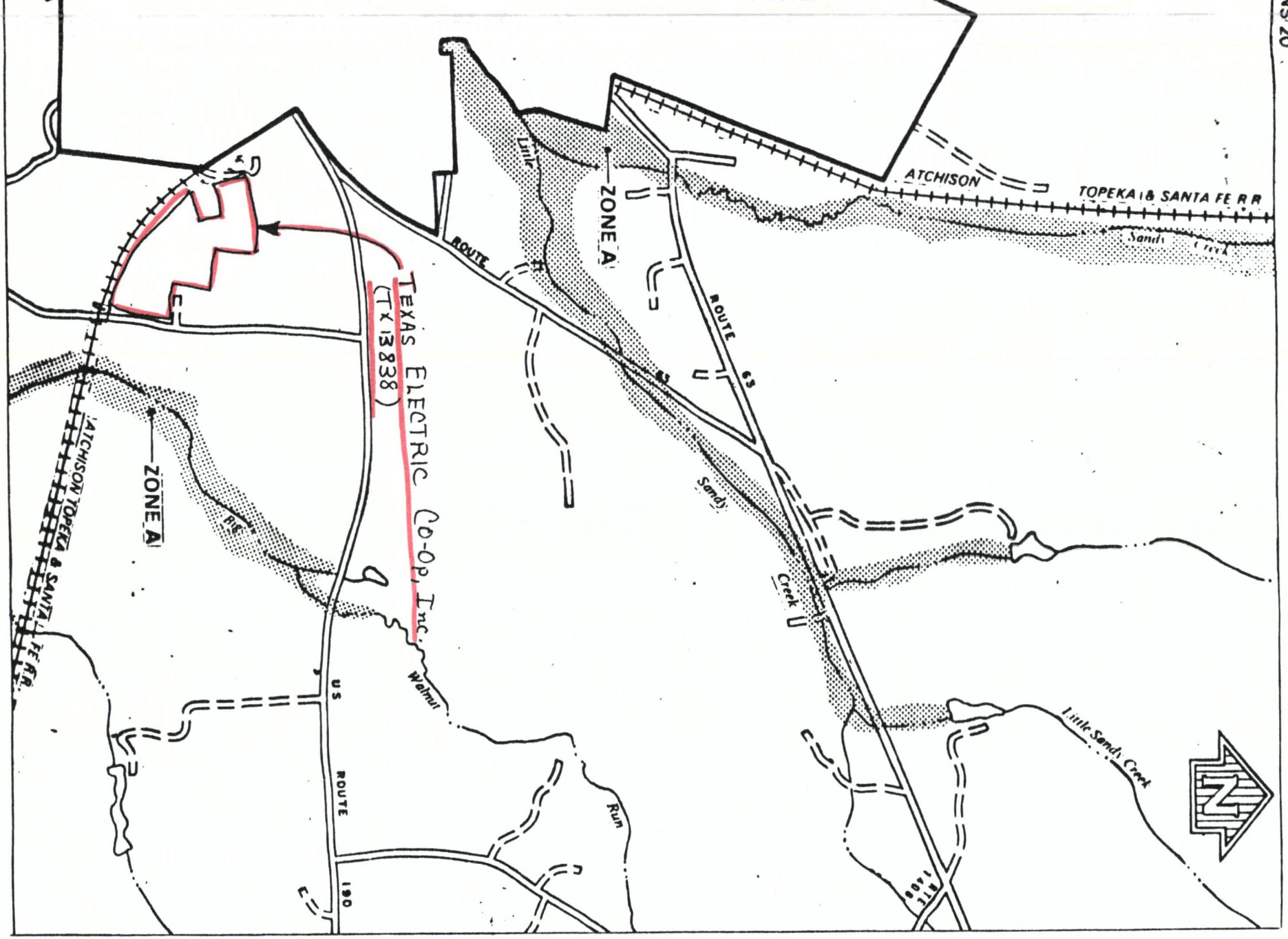
DUCED BY THE UNITED STATES GEOLOGICAL SURVEY
TROL BY ..... USGS, NOS/NOAA
PILED FROM AERIAL PHOTOGRAPHS TAKEN 1976
D CHECKED ..... 1978 MAP EDITED 1984
JECTION ..... LAMBERT CONFORMAL CONIC
: 1000-METER UNIVERSAL TRANSVERSE MERCATOR ..... ZONE 15
10,000-FOOT STATE GRID TICKS ..... TEXAS, CENTRAL ZONE
GRID DECLINATION ..... 0°29' WEST

NORTH

1000 0

JOINS 30

JOINS 20



JOINS 26

25

DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
Federal Insurance Administration

JASPER CO., TX
(UNINC. AREA)

APPROXIMATE SCALE
2000 0 2000 4000 6000 FEET

FLOOD HAZARD BOUNDARY MAP

EFFECTIVE DATE
5/17/77

This Document Contained Material Which Was Not Filmed/Scanned

Title Site Inspection Report and RCRA 3012 Comments Attachment A, B, C and D

Please Refer to the File in Superfund Records Center