Dup
WL #80

Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-14-7E
Located on map Yes
Received: KWS

1) OWNER Jack Philpot (Kerville Bus Terminal) (Name) Address 2427 Bartlett (Street or RFD) Hou. (City) TX. (State) 77098 (Zip)

2) LOCATION OF WELL: Rusk County Harris 0 miles in CENTRAL (N.E., S.W., etc.) direction from HOUSTON (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ **Legal description:**
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☐ **See attached map.** Mapon 65-22-8P

3) **TYPE OF WORK** (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE** (Check): ☑ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) **DRILLING METHOD** (Check): ☑ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) **WELL LOG:**

Date drilled 2/20/81

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
6 3/4	Surface	384

From (ft.)	To (ft.)	Description and color of formation material
0	200	Clay
200	218	Sand
218	240	Sandy Clay
240	261	Sand
261	263	Clay
263	270	Sand
270	291	Clay
291	294	Sand
294	321	Clay
321	341	Sand
341	365	Fine Sity Sand
365	374	Sand
374	375	Clay (bheaks)
375	384	Sand

(Use reverse side if necessary)

7) **BOREHOLE COMPLETION:**
☐ Open Hole ☑ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	Galvanized Steel	0	358	
2	N	PLASTIC	364	374	.014
2	N	PLASTIC	374	384	.016

CEMENTING DATA
Cemented from 308 ft. to 358 ft.
Method used Haliburton
Cemented by Bussell + Son, INC. (Company or Individual)

9) **WATER LEVEL:**
Static level 181 ft. below land surface Date 2/23/81
Artesian flow _____ gpm. Date _____

10) **PACKERS:** Type Depth

11) **TYPE PUMP:**
☐ Turbine ☐ Jet ☑ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 252 ft.

12) **WELL TESTS:**
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: 55 gpm with 31 ft. drawdown after 2 hrs.

13) **WATER QUALITY:**
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Craig O. Bussell (Type or Print) Water Well Drillers Registration No. #2035

ADDRESS 9739 N. Hou. Rosslyn (Street or RFD) Hou. (City) TX (State) 77088 (Zip)

(Signed) Craig Bussell (Water Well Driller) Bussell + Son, INC. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

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IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

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Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-14-7H
Located on map XRS
Received: c.f.s.

1) OWNER M.E. Heslop (Name) Address 13501 Robertsvale (Street or RFD) Houston, TX (City) (State) (Zip)

2) LOCATION OF WELL: Harris County _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

SEE COUNTY MAP (No. 4)

Driller **must** complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form. (1)

☐ Legal description:
Section No. 413 J Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
☑ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☒ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:

Date drilled 7-31-79

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
4	Surface 0	348'
6 3/4	0	324'

From (ft.)	To (ft.)	Description and color of formation material
0-10		Surface
10-19		Yellow & gray clay
19-24		Red & white clay
24-36		Red clay
36-42		Red shale
42-58		Red & white clay
58-72		White clay
72-85		Red clay
85-104		Red & white clay
104-118		White clay
118-137		Red & white clay
137-165		Sand
165-171		White clay
171-188		Sand
188-214		White clay
214-236		Sand
236-238		Rock
238-259		Sand
259-274		Red & white clay
274-301		Sand
301-305		Rock
305-312		Sand
312-316		White clay
316-348		Sand

(Use reverse side if necessary)

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7) BOREHOLE COMPLETION: ☐ Open Hole ☒ Straight Wall ☐ Underreamed ☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	Sch. 40 PVC	0	324	
2½	N	Well Supplies, Inc.	348	328	
2½	N	Sch. 40 liner	328	324	

CEMENTING DATA
Cemented from 324 ft. to Surface ft.
Method used ~~Pressure~~
Cemented by RAYMOND WATER WELLS (Company or Individual)

9) WATER LEVEL:
Static level 200 ft. below land surface Date 7-79
Artesian flow _____ gpm. Date _____

10) PACKERS: Type R & L "K" Depth 324

11) TYPE PUMP: ☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 252 ft.

12) WELL TESTS: ☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☐ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME C.A. Raymond, Jr. (Type or Print) Water Well Drillers Registration No. TDL 774

ADDRESS 10011 Airline Dr. (Street or RFD) Houston, TX 77037 (City) (State) (Zip)

(Signed) C.A. Raymond Jr. (Water Well Driller) RAYMOND WATER WELLS (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as f

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The last se , assure that
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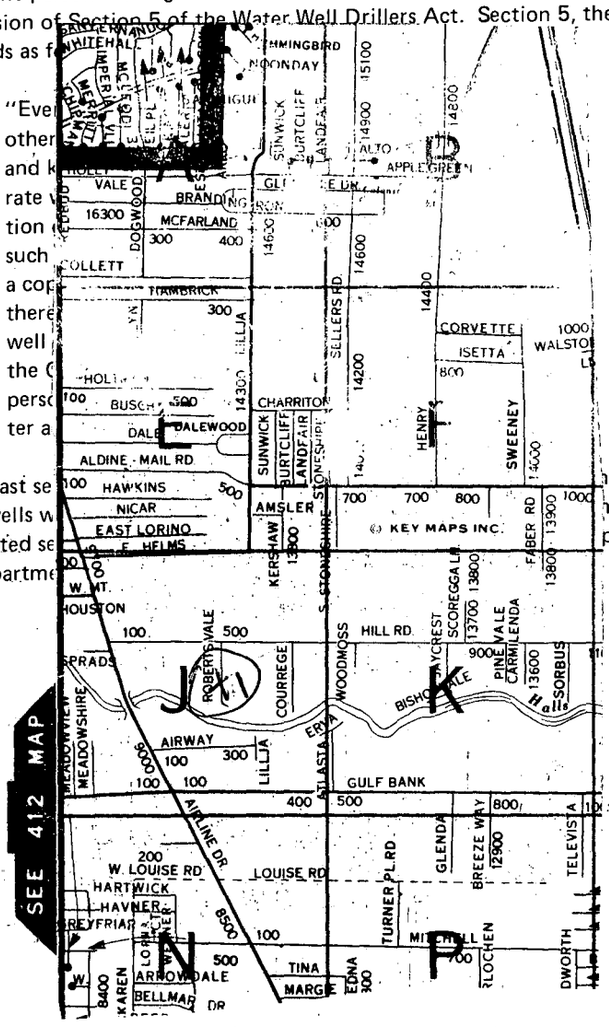
the above-quoted se properly means
the Texas Departme 78711).



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NOV 12 1980
TEXAS DEPT. OF WATER RESOURCES

Send original copy by certified mail to the Texas Water Development Board
P. O. Box 13087
Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 65-14-7F
Located on map yes
Received: 7-5
dl

1) OWNER:
Person having well drilled Olds Press and Forge (Name) Address 3303 Carr St. Houston, TX (Street or RFD) (City) (State)

Landowner Same (Name) Address Same (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Harris, _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.*

SEE REVERSE SIDE

North ↑

(Use reverse side if necessary)

or

Give legal location with distances and directions from adjacent sections or survey lines.

Labor _____ League _____

Block _____ Survey _____

Abstract No. _____

(NW¼ NE¼ SW¼ SE¼) of Section _____

3) TYPE OF WORK (Check):
New Well X Deepening
Reconditioning Plugging

4) PROPOSED USE (Check):
Domestic Industrial X Municipal
Irrigation Test Well Other

5) TYPE OF WELL (Check):
Rotary X Driven Dug
Cable Jetted Bored

6) WELL LOG:
Diameter of hole 4 in. Depth drilled 302 ft. Depth of completed well 302 ft. Date drilled 12-20-74

All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	24	Surface Clay
24	48	Clay
48	72	Clay and Sand
72	96	Clay
96	120	Clay and Sand Streaks
120	144	Sand and Gravel
144	168	Sand and Clay
168	192	Sand and Gravel
192	216	Sand and Clay
216	240	Clay and Sand
240	264	Sand and Shell
264	302	Sand

(Use reverse side if necessary)

9) Casing:
Type: Old New Steel X Plastic Other
Cemented from _____ ft. to _____ ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage

10) SCREEN:
Type Stainless steel rod base
Perforated X Slotted

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot Size
#12 guage	292	302	
2½" Blank	278	292	

7) COMPLETION (Check):
Straight wall X Gravel packed Other
Under reamed Open Hole

8) WATER LEVEL:
Static level 152 ft. below land surface Date 12-20-74
Artesian pressure _____ lbs. per square inch Date _____
Depth to pump bowls, cylinder, jet, etc., 283 ft. below land surface.

11) WELL TESTS:
Was a pump test made? Yes No X If yes, by whom?
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Artesian flow _____ gpm
Temperature of water _____

12) WATER QUALITY:
Was a chemical analysis made? Yes No X
Did any strata contain undesirable water? Yes No
Type of water? _____ depth of strata _____

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME R. B. Lowry (Type or Print) Water Well Drillers Registration No. 146

ADDRESS 4012 Fulton; P. O. Box 8707; Houston, TX 77009 (Street or RFD) (City) (State)

(Signed) R B Lowry (Water Well Driller) LOWRY WATER WELLS (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

*Additional instructions on reverse side.

TWDBE-WD-8

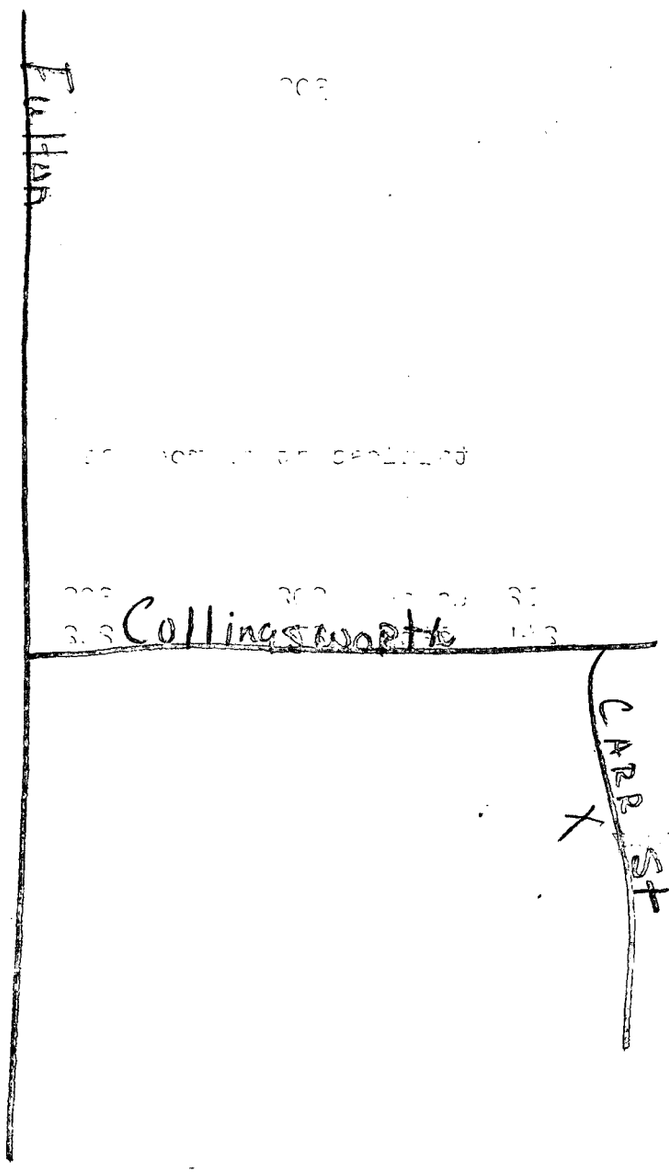
2)LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

When giving a legal description include a sketch showing location of the well within the described area. e.g. survey abstract.

Information furnished in Section 2) of the TWDBE-GW-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.



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MAY 13 1975
Central Records
Texas Water Development Board

RECEIVED
JAN 27 1975
TEXAS WATER
DEVELOPMENT BOARD

Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER M + N Well Ser (Name) Address 4422 Gaston (Street or RFD) Houston (City) 77093 (State) Tx (Zip)

2) LOCATION OF WELL:
County Harris _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map. map on 65-14-4J

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☒ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:
Date drilled 6-1-85

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
6 3/4	Surface 0	346

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other 2 Strg
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material
0	94	TS clay
94	106	Sand
106	220	Clay
220	252	Sand
252	323	Clay
323	346	Sand

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	PVC - Well Cas.	0	330	
2½	N	" Screen	330	346	

CEMENTING DATA
Cemented from 0 ft. to 330 ft.
Method used Pressure
Cemented by Ira Otto (Company or Individual)

9) WATER LEVEL:
Static level 235 ft. below land surface Date 6-2-85
Artesian flow _____ gpm. Date _____

10) PACKERS: Type 4X2½ K Packe Depth 325

11) TYPE PUMP:
☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., ? ft.
Did not set pump

12) WELL TESTS:
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

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(Use reverse side if necessary)

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☒ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME Fahlweather W.W. Inc. (Type or Print) Water Well Driller's License No. 1929

ADDRESS 25330 Richard Rd (Street or RFD) Spring (City) Tex (State) 77386 (Zip)

(Signed) O.R. Billings (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
Well No. 65-14-7M
Located on map yes C.F.S.

TDWR-0392 (Rev. 5-27-82)

DEPARTMENT OF WATER RESOURCES COPY

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

P 16

Please use black ink.
Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Houston International Teleport, Inc. (Name) Address 3003 Moffett (Street or RFD) Houston, Tx. (City) (State) (Zip)

2) LOCATION OF WELL:
County Harris miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map. No Map

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☒ Industrial ☒ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:
Date drilled 4-11-85

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
4 3/4	Surface	80'
10"	"	60'

From (ft.)	To (ft.)	Description and color of formation material
0	20	top soil & black Clay
20	40	gray clay
40	60	gray clay
60	80	sand 12 ga.

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☐ Gravel Packed ☒ Other Two-String
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
6"	N	Class 200 PVC Casing	+24"	60	
4"	N	Well Supplies, Inc.			
		Screen	80'	60'	12ga
4"	N	PVC Blank Liner	60'	64'	

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 60 ft. to Surface ft.
_____ ft. to _____ ft.
Method used Pressure cement
Cemented by Raymond Water Wells

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 30' ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

12) PACKERS: Type Depth

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(Use reverse side if necessary)

13) TYPE PUMP:
☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 60' ft.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☒ No

14) WELL TESTS:
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☒ Estimated
Yield: 27 gpm with 5 ft. drawdown after 4 hrs.

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Raymond Water Wells (Type or Print) Water Well Driller's License No. 774

ADDRESS 10011 Airline Dr. (Street or RFD) Houston, Tx. 77037 (City) (State) (Zip)

(Signed) C. A. Raymond Jr. (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
Well No. 65-14-7N
Located on map Yes DLF

DEPARTMENT OF WATER RESOURCES COPY

TDWR-0392 (12/29/83)

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every licensed water well driller drilling, deepening or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within 30 days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the department, and the owner thereof or the person having had such well drilled. Each copy of a well log, other than a department copy, shall include the name, mailing address, and telephone number of the Board and the department. The well log required herein shall at the request in writing to the department, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential.

— 2 —

(30)

Send original copy by certified mail to the Texas Water Development Board
P. O. Box 13087
Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 65-14-76
Located on map Yes
Received: 7-5-1
dlb

1) OWNER:
Person having well drilled Gifford-Hill American, Inc. (Name) Address PO Box 47127 (Street or RFD) Dallas (City) Texas (State) (75247)

Landowner Gifford Hill (Name) Address Irvington (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Harris, _____ miles in _____ direction from _____
(N.E., S.W., etc.) (Town)

Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.*

IRVINGTON
map on 65-31-2N. North

(Use reverse side if necessary)

or

Give legal location with distances and directions from adjacent sections or survey lines.

Labor _____ League _____
Block _____ Survey _____
Abstract No. _____
(NW¼ NE¼ SW¼ SE¼) of Section _____

3) TYPE OF WORK (Check):
New Well ✓ Deepening
Reconditioning Plugging

4) PROPOSED USE (Check):
Domestic Industrial ✓ Municipal
Irrigation Test Well Other

5) TYPE OF WELL (Check):
Rotary ✓ Driven Dug
Cable Jetted Bored

6) WELL LOG:
Diameter of hole 9" in. Depth drilled 552 ft. Depth of completed well 552 ft. Date drilled 8/19/74
All measurements made from 4 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	3	Top Soil
3	405	Clay
405	440	Sand
440	453	Clay
453	480	Sand
480	490	Clay
490	504	Sand
504	508	Clay
508	526	Sand

(Use reverse side if necessary)

9) Casing:
Type: Old New ✓ Steel ✓ Plastic Other
Cemented from 0 ft. to 454' ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage
6	0	454	40
4	454	480	30
4	504	508	30

10) SCREEN:
Type SSR.
Perforated ✓ Slotted

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot Size
4	480	504	.016
4	508	526	.016

7) COMPLETION (Check):
Straight wall ✓ Gravel packed Other
Under reamed Open Hole

8) WATER LEVEL:
Static level 264 ft. below land surface Date 8/23/74
Artesian pressure _____ lbs. per square inch Date _____
Depth to pump bowls, cylinder, jet, etc., 354 ft. below land surface.

11) WELL TESTS:
Was a pump test made? Yes No ✓ If yes, by whom?
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Artesian flow _____ gpm
Temperature of water _____

12) WATER QUALITY:
Was a chemical analysis made? Yes No ✓
Did any strata contain undesirable water? Yes No ✓
Type of water? _____ depth of strata _____

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Carl Bussell (Type or Print) Water Well Drillers Registration No. 1581

ADDRESS 9739 N Houston-Rosslyn (Street or RFD) Houston (City) Texas (State)

(Signed) Carl Bussell (Water Well Driller) Bussell & Son, Inc. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

*Additional instructions on reverse side.

TWDBE-WD-8

7/13

2) LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

When giving a legal description include a sketch showing location of the well within the described area. e.g. survey abstract.

Information furnished in Section 2) of the TWDBE-GW-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.

RECEIVED
APR 22 1975
TEXAS WATER
DEVELOPMENT BOARD

(82)

65.14.7H

Send original copy by certified mail to the Texas Water Development Board P. O. Box 13087 Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 65-14-7H
Located on map yes
Received: 76
dlr

1) OWNER:
Person having well drilled NATIONAL BEVERAGE Co (Name) Address 1600 STUDEMONT (Street or RFD) HOUSTON (City) TEXAS (State) 77007

Landowner SAME (Name) Address SAME (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County HARRIS, _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Locate by sketch map showing landmarks, roads, creeks, hiway number, etc.*

Map on #82
65-08-9X

North

(Use reverse side if necessary)

or

Give legal location with distances and directions from adjacent sections or survey lines.

Labor _____ League _____

Block _____ Survey _____

Abstract No. _____

(NW¼ NE¼ SW¼ SE¼) of Section _____

3) TYPE OF WORK (Check):
New Well ✓ Deepening
Reconditioning Plugging

4) PROPOSED USE (Check):
Domestic ✓ Industrial Municipal
Irrigation Test Well Other

5) TYPE OF WELL (Check):
Rotary ✓ Driven Dug
Cable Jetted Bored

6) WELL LOG:
Diameter of hole 6 1/2" in. Depth drilled 338 ft. Depth of completed well 338 ft. Date drilled 6-12-75

All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material
0	4'	Top Soil
4'	290'	unconsolidated
290'	338	Sand + Gravel

(Use reverse side if necessary)

9) Casing:
Type: Old New ✓ Steel Plastic ✓ Other
Cemented from 240 ft. to 290 ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage
4"	0	290	

10) SCREEN:
Type S.S. Rod Base
Perforated Slotted

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot Size
2"	318	338	16ga

7) COMPLETION (Check):
Straight wall Gravel packed Other
Under reamed Open Hole

8) WATER LEVEL:
Static level 15' ft. below land surface Date 6-12-75
Artesian pressure _____ lbs. per square inch Date _____
Depth to pump bowls, cylinder, jet, etc., 190' ft. below land surface.

11) WELL TESTS:
Was a pump test made? Yes No ✓ If yes, by whom?
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.
Bailer test _____ gpm with _____ ft. drawdown after _____ hrs.
Artesian flow _____ gpm
Temperature of water _____

12) WATER QUALITY:
Was a chemical analysis made? Yes No ✓
Did any strata contain undesirable water? Yes No ✓
Type of water? _____ depth of strata _____

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME Tommy C. Bussell (Type or Print) Water Well Drillers Registration No. 707

ADDRESS 9735 N. Hou. Rosslyn Hou. Tex (Street or RFD) (City) (State)

(Signed) Tommy C. Bussell (Water Well Driller) Bussell & Son Inc. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

*Additional instructions on reverse side.

TWDBE-WD-8

2) LOCATION OF WELL:

The sketch showing the well location must be as accurate as possible, showing landmarks, in sufficient detail so that the well may be plotted on a General Highway Map of the county in which the well is located.

Reference points from which distances are measured and directions given should be of a permanent nature (e.g. highway intersections, center of towns, river and creek bridges, railroad crossings). The distance and direction from the nearest town should always be indicated.

When giving a legal description include a sketch showing location of the well within the described area. e.g. survey abstract.

Information furnished in Section 2) of the TWDBE-GW-53 is very important. Unless the well can be accurately located on a map the value of the other data contained in the Report is greatly reduced.

RECEIVED
JUN 8 1976
General Records
Texas Water Development Board

1.3 m. SINL
1.0 m. EIWL

Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Dr. Carroll (Name) Address 3921 Lyons Ave. (Street or RFD) Houston, Tx. (City) (State) (Zip)

2) LOCATION OF WELL: County Harris, 2 miles in NE (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☐ See attached map. ON 65-05-9

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☒ Other ~~Ground Water Heat Pump~~

5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:

Date drilled 12/6/84

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
	Surface	
6-3/4		530

From (ft.)	To (ft.)	Description and color of formation material
0	30	Clay
30	65	Sand
65	140	Shale
140	190	Clay
190	230	Sand
230	300	Clay & Shale
300	320	Sand
320	350	Clay
350	410	Sand
410	460	Clay
460	530	Sand

(Use reverse side if necessary)

7) BOREHOLE COMPLETION: ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☐ Gravel Packed ☒ Other 2 string cemented
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4"	N	Steel Casing	0	483	Sch.
2½"	N	PVC Blank Liner	475	490	40
2½"	N	PVC Screen	490	530	.012

CEMENTING DATA
Cemented from 483 ft. to 0 ft.
Method used Halliburton
Cemented by Robinson Water Well (Company or Individual)

9) WATER LEVEL:
Static level 198 ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

10) PACKERS: Type K Depth 475

MAY 0 7 87

11) TYPE PUMP: 3HP 17-stage Jacuzzi
☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 315 ft.

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? potable Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

12) WELL TESTS:
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME Robinson Water Well (Type or Print) Water Well Driller's License No. ~~XXXXXXXXXXXX~~ 1464

ADDRESS 11607 FM 149 (Street or RFD) Houston, (City) Tx. (State) 77086 (Zip)

(Signed) M. E. Robinson (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
Well No. 65-14-7
Located on map _____

TDWR-0392 (Rev. 5-27-82)

DEPARTMENT OF WATER RESOURCES COPY

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

7D GW 7

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711

State of Texas

WATER WELL REPORT

For TWDB use only
Well No. 65-14-7D
Located on map yes
Received: 67
Form GW 8
Form GW 9

1) OWNER:
Person having well drilled Power-Pac Co., Inc. (Name) Address 1514 Telephone, Houston, Texas (Street or RFD) (City) (State)

Landowner Fina Oil Co. (Name) Address Houston, Texas (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Harris Labor ____ League ____ Abstract No. ____

NW¼ NE¼ SW¼ SE¼ of Section ____ Block No. ____ Survey ____
(Circle as many as are known)

miles in ____ (N.E., S.W., etc.) direction from ____ (Town).

NORTH

LOCATION OF WELL: Highway 75 & Richey Rd.

Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.

3) TYPE OF WORK (Check):
New Well ☒ Deepening ☐
Reconditioning ☐ Plugging ☐

4) PROPOSED USE (Check): Service Sta.
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

5) TYPE OF WELL (Check):
Rotary ☒ Driven ☐ Dug ☐
Cable ☐ Jetted ☐ Bored ☐

6) WELL LOG:
Diameter of hole 4" in. Depth drilled 358 ft. Depth of completed well 358 ft. Date drilled 8/10/67

All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material	From (ft.)	To (ft.)	Description and color of formation material
0	35	Surface White Clay	248	253	Shale Broken
35	48	Red Clay	253	264	Sand
48	113	Brown Clay	264	298	Sand Rock & Broken Shale
113	144	Sand	298	308	Sand
144	186	Hard Shale	308	329	Shale Sandy
186	232	Sand	329	338	Very Sandy Broken Sand Rock
232	233	Shale Break	338	358	Sand
233	248	Sand			(Use reverse side if necessary)

7) COMPLETION (Check):
Straight wall ☒ Gravel packed ☐ Other ☐
Under reamed ☐ Open hole ☐

8) WATER LEVEL:
Static level 102 ft. below land surface Date 8/10/67
Artesian pressure ____ lbs. per square inch Date ____

9) CASING:
Type: old ☐ New ☒ Steel ☒ Plastic ☐ Other ☐
Cemented from 0 ft. to 343 ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage
4"	0	343	

10) SCREEN:
Type LOP-012 Stainless
Perforated ☐ Slotted ☐

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot size
2½"	342	357	.012

11) WELL TESTS:
Was a pump test made? ☒ Yes ☐ No If yes by whom? With Air
Yield: ____ gpm with ____ ft. drawdown after ____ hrs
Bailer test ____ gpm with ____ ft. drawdown after ____ hrs
Artesian flow ____ gpm Date ____
Temperature of water ____
Was a chemical analysis made? ☐ Yes ☒ No
Did any strata contain undesirable water? ☐ Yes ☐ No
Type of water? ____ depth of strata ____

12) PUMP DATA:
Manufacturer's Name Jacuzzi Mfg. Co.
Type Submersible H.P. 2
Designed pumping rate ____ gpm ☐ gph ☐
Type power unit Electric
Depth to bowls, cylinder, jet, etc., 168 ft. below land surface.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME R. B. Lowry (Type or Print) Water Well Drillers Registration No. 146

Address 4012 Fulton Street (Street or RFD) Houston (City) Texas (State)

(Signed) R B Lowry (Water Well Driller) LOWRY WATER WELLS (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

GN1

RECEIVED
OCT 13 1967
Central Records
Texas Water Development Board

RECEIVED
OCT 6 1967
TEXAS WATER
DEVELOPMENT BOARD

rl GW 7

Send original copy by certified mail to the Texas Water Development Board P. O. Box 12386 Austin, Texas 78711	State of Texas WATER WELL REPORT	For TWDB use only Well No. 68-74-10 Located on map yes Received: 66 Form GW 8 Form GW 9

1) OWNER:
Person having well drilled Olds Press & Forge (Name) Address 3303 Carr St. Houston, Tex. (Street or RFD) (City) (State)

Landowner Same (Name) Address (Street or RFD) (City) (State)

2) LOCATION OF WELL:
County Harris Labor ____ League ____ Abstract No. ____

NW¼ NE¼ SW¼ SE¼ of Section ____ Block No. ____ Survey ____
(Circle as many as are known)

miles in ____ (N.E., S.W., etc.) direction from ____ (Town).

NORTH

LOCATION OF WELL: 3303 Carr St. Houston, Texas.

Sketch map of well location with distances from adjacent section or survey lines, and to landmarks, roads, and creeks.

3) TYPE OF WORK (Check):
New Well ☒ Deepening ☐
Reconditioning ☐ Plugging ☐

4) PROPOSED USE (Check):
Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

5) TYPE OF WELL (Check):
Rotary ☒ Driven ☐ Dug ☐
Cable ☐ Jetted ☐ Bored ☐

6) WELL LOG:
Diameter of hole 4" in. Depth drilled 302 ft. Depth of completed well 302 ft. Date drilled 5/19/66

All measurements made from 0 ft. above ground level.

From (ft.)	To (ft.)	Description and color of formation material	From (ft.)	To (ft.)	Description and color of formation material
0	56	Surface & Hard Red Clay	260	262	Sand - Shale
56	64	Fine Broken Red Sand	262	265	Soft Sandy Shale
64	96	Red Clay, Light Sand Breaks	265	272	Sand
96	120	Yellow Clay	272	277	Shale, Sandy
120	154	Yellow Clay, Sand Streaks	277	303	Sand, Good
154	192	Sand, Top Loose			
192	216	Sand & Gravel			
216	260	Red Shale			(Use reverse side if necessary)

7) COMPLETION (Check):
Straight wall ☒ Gravel packed ☐ Other ☐
Under reamed ☐ Open hole ☐

8) WATER LEVEL:
Static level 145 ft. below land surface Date 5/19/66
Artesian pressure ____ lbs. per square inch Date ____

9) CASING:
Type: old ☐ New ☒ Steel ☒ Plastic ☐ Other ☐
Cemented from 0 ft. to 279 ft.

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Gage
4"	0	277	9½ #

10) SCREEN:
Type Stainless
Perforated ☒ Slotted ☐

Diameter (inches)	Setting From (ft.)	Setting To (ft.)	Slot size
2½"	282	302	.011

11) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes by whom?
Yes with air
Yield: ____ gpm with ____ ft. drawdown after ____ hrs
Bailer test ____ gpm with ____ ft. drawdown after ____ hrs
Artesian flow ____ gpm Date ____
Temperature of water ____
Was a chemical analysis made? ☐ Yes ☒ No
Did any strata contain undesirable water? ☐ Yes ☐ No
Type of water? ____ depth of strata ____

12) PUMP DATA:
Manufacturer's Name McDonald Mfg. Co
Type Submersible H.P. 2 HP
Designed pumping rate ____ gpm ☐ gph ☐
Type power unit Electric
Depth to bowls, cylinder, jet, etc., 210' ft. below land surface.

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME R. B. Lowry (Type or Print) Water Well Drillers Registration No. 146

Address 4012 Fulton Street (Street or RFD) Houston (City) Texas (State)

(Signed) R B Lowry (Water Well Driller) LOWRY WATER WELLS (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

SEP 9 1966

Central Records
Texas Water Development Board

(5)

Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Michael Augustine (Name) Address 4421 Charmon (Street or RFD) Hou. (City) 77093 (State) Tx (Zip)

2) LOCATION OF WELL:
County Harris _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map. map on 65-14-4J - no map found -

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☒ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:
Date drilled 6-5-85

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
4 1/2	Surface 0	61

From (ft.)	To (ft.)	Description and color of formation material
0	46	TS Clay
46	61	Sand

7) BOREHOLE COMPLETION:
☐ Open Hole ☒ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
2	N	PVC. Well Cas-	0	51	
2 1/2	N	" Screen	51	61	

CEMENTING DATA
Cemented from _____ ft. to _____ ft.
Method used _____
Cemented by _____ (Company or Individual)

9) WATER LEVEL:
Static level 30 ft. below land surface Date 6-5-85
Artesian flow _____ gpm. Date _____

10) PACKERS: Type Rubber Depth 51 - 40 - 20

11) TYPE PUMP:
☐ Turbine ☒ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

12) WELL TESTS:
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

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AUG 20 1985
DEPT. OF WATER RESOURCES

(Use reverse side if necessary)

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☒ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME ALLWEATHER W.W. Co (Type or Print) Water Well Driller's License No. 1929

ADDRESS 25330 Richard Rd (Street or RFD) Spring (City) Tx (State) 77386 (Zip)

(Signed) R. Billings (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
Well No. 65-14-7M
Located on map yes C.F.S.

TDWR-0392 (Rev. 5-27-82)

DEPARTMENT OF WATER RESOURCES COPY

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

65-14-7L

Send original copy by certified mail to the Texas Department of Water Resources, P. O. Box 13087, Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Calco of Houston Inc (Name) Address 2900 Hallas (Street or RFD) Houston (City) Tx (State) 77003 (Zip)

2) LOCATION OF WELL: County Harris _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
☒ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☒ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:

Date drilled 1-24-83

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
8	Surface 0	350

From (ft.)	To (ft.)	Description and color of formation material
0	18	T-Soil + clay
18	24	Sand
24	30	Clay
30	53	Sand
53	134	Clay
134	152	Sand
152	187	Clay
187	206	Sand
206	215	Clay
215	263	Sand
263	286	Clay
286	297	Sand
297	320	Clay
320	350	Sand

#1

RECEIVED MAR 21 1983 DEPT. OF WATER RESOURCES

(Use reverse side if necessary)

7) BOREHOLE COMPLETION: ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☐ Gravel Packed ☐ Other 2 String
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
5	N	PVC Casing	0	330	
2½	N	Plastic Screen	330	350	8

CEMENTING DATA
Cemented from 0 ft. to 330 ft.
Method used Pressure
Cemented by OK. Billings (Company or Individual)

9) WATER LEVEL:
Static level 180 ft. below land surface Date 1-26-83
Artesian flow _____ gpm. Date _____

10) PACKERS: Type 5X3 K Packer Depth 328

11) TYPE PUMP: ☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 273 ft.

12) WELL TESTS: None
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☒ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

COMPANY NAME FLLWEATHER W.W Inc (Type or Print) Water Well Driller's License No. 1929

ADDRESS 25330 Richard Rd (Street or RFD) Spring (City) Tx (State) 77373 (Zip)

(Signed) OK. Billings (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
Well No. 65-14-7L
Located on map yes C.F.S.

TDWR-0392 (Rev. 5-27-82)

DEPARTMENT OF WATER RESOURCES COPY

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

65-14-7B

File original copy with Texas Water Commission P. O. Box 2311, Capitol Station Austin 11, Texas	State of Texas **DRILLERS LOG AND WELL DATA REPORT**	For use by TWC only Well No. 65-14-76 Located on map yes By GB Date 6-3 Map no. 102.(2)

1) Well Owner: J. D. Westcott (Name) Augusta Drive (Street or RFD), Houston (City), Texas (State)

2) Land Owner: _____ (Name) _____ (Street or RFD) _____ (City) _____ (State)

3) Intended use: Industrial ☐ ; Municipal ☐ ; Irrigation ☐ ; Other _____

4) Location of well: County Harris Labor _____ League _____ Abstract No. _____

NW¼ NE¼ SW¼ SE¼ of Section _____ Block No. _____ Survey _____
(Circle as many as are known)

_____ miles in _____ direction (NE, SW, etc.) from _____ (Town)

1515 Bering Drive, Houston 27, Texas

North

Sketch map of well location with distances from two section or survey lines, and to landmarks, roads, and creeks.

DRILLERS LOG OF WELL

Method of drilling: Rotary Diameter of hole 4 in. Date drilled 1-31-62

All measurements made from _____ ft. above ground level.

From (ft)	To (ft)	Description and color of formation material	From (ft)	To (ft)	Description and color of formation material
0	38	Top Soil & White Clay			
38	61	Red Sand & Shale			
61	98	Hard Blue Shale			
98	132	Fine Sand			
132	176	Hard Red Clay			
176	189	Good Sand			
					(Use continuation sheets if necessary)

COMPLETION DATA

COMPLETION

Straight wall ☐ ☒ 4 x 2½

Under reamed ☐

Gravel packed ☐

Open hole ☐

Other _____

CASING

Type: Old ☐ New ☒

Cemented from Surface ft.

to 176 ft.

Diameter (inches)	Setting from (ft)	Setting to (ft)

SCREEN

Type Stainless Steel W.O.P.

Perforated ☐ Slotted ☐

Diameter (inches)	Setting from (ft)	Setting to (ft)
2½	179	189

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

A Chrysty Kuhlmann (Signature) A. Chrysty Kuhlmann (Company Name) Reg. No. 106

Please attach electric log, chemical analysis, and other pertinent information if available.

If well was tested by your company or if you installed the permanent pump please complete the following:

WATER LEVEL AND PUMP DATA

Static water level 118'

ft. below _____

Pumping level

feet	hours	gpm

Pump type Submersible

Designed pumping rate 15 gpm ☒ gph ☐

Type power unit Electric

Horsepower 1½

Depth to bowls, cylinder, jet, etc., _____ ft. below pump base.

Name of contractor testing well or installing permanent pump if other than your company: _____

C-34 (62-4)

RECEIVED
AUG - 6 1962
TEXAS WATER COMMISSION
AUSTIN, TEXAS

13 Sept 81 Dup

Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-14-7F
Located on map Y-W
Received:

1) OWNER Builders Supply (Name) Address 610 McKee St. (Street or RFD) Houston, Texas (City) (State) (Zip)

2) LOCATION OF WELL: County Harris miles in (N.E., S.W., etc.) direction from (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. Block No. Township
Abstract No. Survey Name
Distance and direction from two intersecting section or survey lines

☐ See attached map. MAP ON # 65-05-6T

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☒ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Other

5) DRILLING METHOD (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other

6) WELL LOG:

Date drilled 2-20-81

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
5 3/4	Surface	520'
9 3/4	"	455'

7) BOREHOLE COMPLETION: ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☐ Gravel Packed ☐ Other Two-String
If Gravel Packed give interval . . . from ft. to ft.

From (ft.)	To (ft.)	Description and color of formation material
0	10	Fill Dirt
10	15	Red Gray
15	20	Sand
20	45	Red Gray
45	52	Sand
52	100	Red Gray
100	160	Red Gray
160	170	Sand 10 Ft.
170	180	Red Gray
180	230	Sand 50 ft.
230	260	Red Gray
260	280	Sand 20 Ft.
280	288	Red Gray
288	317	Sand 16 ga. 29ft.
317	321	Red Gray
321	340	Sand 19'
340	380	Red Gray
380	420	Red Gray
420	440	Red Gray
440	446	Sand 6 ft.
446	455	Red Gray
455	476	Sand 20 ft.
476	478	Clay
478	506	Sand 28 ft.
506	510	Rock Sand
510	520	Clay

(Use reverse side if necessary)

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
6"	N	Steel Casing	+18"	455'	
4"	N	Steel Blank Liner	520	510	
4"	N	Howard Smith Stainless			
		Rod Base Screen	510	482	12ga.
4"	N	Steel Blank Liner	482	480	
4"	N	Howard Smith Rod Base			
		Screen	480	460	8 ga
4"	N	Steel Blank Liner	460	439	

CEMENTING DATA
Cemented from 455' ft. to Surface ft.
Method used Pressure Cemented
Cemented by Raymond Water Wells (Company or Individual)

9) WATER LEVEL:
Static level 260 ft. below land surface Date 2-20-81
Artesian flow gpm. Date

10) PACKERS: Type "Lead Seal" Depth 439

11) TYPE PUMP: ☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder ☐ Other
Depth to pump bowls, cylinder, jet, etc., 378' ft.

12) WELL TESTS: ☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☒ Estimated
Yield: 200 gpm with 40 ft. drawdown after 24 hrs.

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? Depth of strata
Was a chemical analysis made? ☐ Yes ☒ No

RECEIVED AUG 2 1982

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME C.A. Raymond, Jr. (Type or Print) Water Well Drillers Registration No. 774

ADDRESS 10011 Airline Drive (Street or RFD) Houston, Texas (City) 77037 (State) (Zip)

(Signed) C.A. Raymond Jr. (Water Well Driller) Raymond Water Wells (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

WB

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

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> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

RECEIVED
JUN 26 1981
DEPT. OF
WATER RESOURCES

MICROBIOLOGY SERVICE LABORATORIES
water technologists . . chemists . . microbiologists

28 December 1965

SO 2094-65

To: Layne Texas Company
Houston, Texas

Sample marked: Well No. 1, Baroid Div. Nat'l Lead, Channelview, Harris Cty, Texas.
Taken: 12-21-65 after 12 hrs. pumping at 351 gpm with Layne Pump.
Static Head: 222.20'. Pumping Level: 276.45'. Screened: 580-735'.
Water Temp. 78°F. G. E. Ferguson

Received: 12-23-65.

WATER ANALYSIS

results in parts per million (mg/1) except as noted

Dissolved Residue at 105°C		308	Conductance, micromhos/cm, 25°C	515
Total Dissolved Solids, actual†		437	Color, units	0
Total Dissolved Solids, calc.		428	Turbidity, units	1
Silica	SiO_2	15	As Calcium Carbonate, $CaCO_3$:	
Iron and Aluminum Oxides	R_2O_3	2	Phenolphthalein Alkalinity	0
Calcium	Ca	12	Total Alkalinity	208
Magnesium	Mg	3	Total Hardness	43
Sodium (diff.) Na + K as	Na	101	Free Carbon Dioxide CO_2	4
Carbonate	CO_3	0	pH . . . 7.98	
Bicarbonate	HCO_3	254	HYPOTHETICAL COMBINATIONS	
Sulfate	SO_4	10	Calcium Bicarbonate	49
			Magnesium Bicarbonate	19
Chloride	Cl	31	Sodium Bicarbonate	277
			Sodium Sulfate	[illegible]
Total Iron	Fe	[illegible]	Sodium Chloride	[illegible]
			$SiO_2 + R_2O_3$	17
			Total Dissolved Solids, calc.	428

†Total Dissolved Solids, actual = Dissolved Residue + 50.8% of bicarbonate (HCO_3) ion

Microbiology Service Laboratories

By: Edna Wood

65-14-7E

5635

Q-1532

RECEIVED
TEXAS WATER DEVELOPMENT BOARD
ENGINEERING RECORDS

FORM NO. 1202

WAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

MATERIAL SETTING

REPORT NO. 7238
S. O. 2094-65
PAGE 1 OF 1
FILE NO. 3066
DATE 12-29-65

CUSTOMER LOCATION

FOR: Baroid Division
National Lead Company
Houston

LOCATION WELL:

SURVEY: FIELD:

COUNTY: Harris STATE: Texas

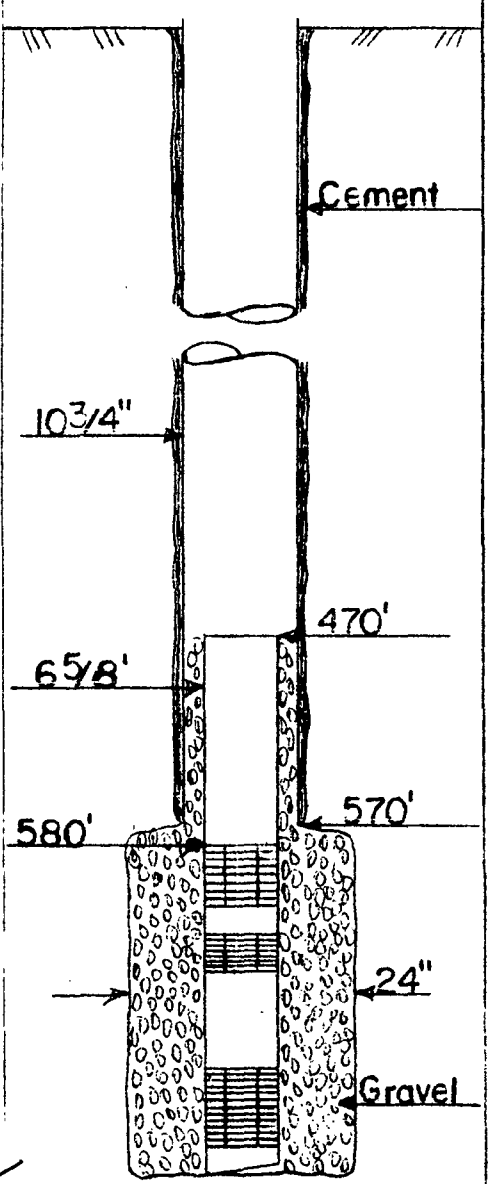
OTHER LAND MARKS: Swamp
S.E. Corner of Plant

WELL DATA

NAME WELL: WELL NO. 1
ELEVATION: DATUM:
TYPE WELL: Gravel Wall
SURFACE CASING CEMENTED: Yes NO. SACKS 166 8% Gel
SIZE HOLE UNDERREAMED: 24" DEPTH 750'
GRAVEL TYPE 112-113-165 NO. CU. YDS 54
TYPE SCREEN S.S.W.W. Barlug GAGE .045
DRILLER B. Patton RIG NO. 10
OTHER: G.E. Ferguson

DEPTH	LENGTH	SIZE, KIND, WEIGHT MATERIAL
1.5'		10 3/4" O.D. T.O.E. 31.20# surface casing, 1.5' above ground
0		Surface
470		Top of 6 5/8" O.D. Liner
570	571.5	10 3/4" O.D. TOE 31.20# Surface casing
580	110	6 5/8" O.D. T.O.E. 18.97# blank liner
610	30	6 5/8" O.D. S.S.W.W. Barlug screen, .045"GA
625	15	6 5/8" O.D. T.O.E. 18.97# blank liner
645	20	6 5/8" O.D. S.S.W.W. Barlug screen, .045"GA
695	50	6 5/8" O.D. T.O.E. 18.97# blank liner
735	40	6 5/8" O.D. S.S.W.W. Barlug screen .045" GA
748	13	6 5/8" O.D. T.O.E. 18.97# blank liner
750	2	6 5/8" O.D. Pin Point Set Nipple & B.P. Valve
TOTAL DEPTH:		750'

SKETCH



3 pages
1 log
attach.
12-29-65

65-14-78

Q-1532

RECEIVED
TEXAS WATER DEVELOPMENT BOARD
ENGINEERING RECORDS

FORM NO. 26

65-14-7E

WAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

REPORT NO 7237
S.O. 2084-65
PAGE 1 of 1
FILE NO 3066
DATE 12-29-65

WELL LOG

CUSTOMER LOCATION		WELL DATA	
FOR	Baroid Division	NAME WELL	WELL NO. 1
LOCATION WELL	National Lead Company Houston	ELEVATION	DATUM
		RT C	GR
SURVEY	FIELD	TEST HOLE SIZE 6 5/8	TD 880
		DATE STARTED DRILLING	12-7-65
		DATE FINISHED DRILLING	12-9-65
COUNTY	STATE	DRILLER B. Patton	RIG NO 10
Harris	Texas	TYPE MUD Gel	NO SACKS 35
OTHER LAND MARKS		ELECTRIC LOG Yes	TYPE Widco
Wallisville Rd. (Swamp) 1417 HARDY		SURVEY Eastman	TYPE Single-Shot
		OTHER B.J. Glidewell, G. Ferguson	

NO

OK

DEPTH STRATA	EACH STRATUM	DESCRIPTION FORMATION	SAMPLES DEPTH	TYPE	NUMBER
0		Surface			
251	251	Clay & Sandy Clay			
279	28	Clay & Streaks Sand			
297	18	Sand (Broken)			
317	20	Sandy Clay & Streaks of Sand			
327	10	Sand			
343	16	Sandy Clay			
393	50	Sand			
524	131	Clay & Sandy Clay with Streaks of Sand			
549	25	Sand & Clay Streaks			
571	22	Shale			
595	24	Sand & Clay Streaks			
596	1	Clay			
611	15	Sand & Clay Breaks			
676	65	Sandy Clay			
685	9	Clay			
738	53	Fine Sand			
740	2	Clay			
830	90	Sand & Clay Breaks			
832	2	Clay			
855	23	Fine Sand			
857	2	Clay			
866	9	Sand			
880	14	Sandy Clay			

TOTAL DEPTH: 880'

65-14-7E

Q-1532

RECEIVED
TEXAS WATER DEVELOPMENT BOARD
ENGINEERING RECORDS

LAYNE TEXAS COMPANY

HOUSTON -:- DALLAS

WATER WELL TEST

REPORT NO. 7239
S. O. 2094-65
PAGE 1 of 1
FILE NO. 3066
DATE 12-29-65

CUSTOMER LOCATION

TEST FOR Baroid Division
National Lead Company
LOCATION OF WELL Houston
SURVEY
FIELD
COUNTY Harris
STATE Texas
DESCRIPTION OF LAND MARKS
Wallisville Rd. (Swamp)

WELL DATA

NAME WELL
WELL NO. 1
ELEVATION
DATUM
WELL SIZE 10-3/4" x 6-5/8" x 24" UR
TOTAL DEPTH 750'
TOP SCREEN 580'
GRAVEL WELL Yes
STRAIGHT WELL
TYPE SCREEN SS WW BarLugge .045"
TEMPERATURE OF WATER
WATER CONDITION

WATER MEASURING DEVICE

ORIFICE SIZE 6" x 4"
LENGTH
OTHER

TEST PUMP DATA

DEPTH SETTING TOP OF BOWL 250'
LENGTH AIR LINE
SIZE
TYPE BOWL
NO. STAGES
LENGTH BOWL
SUCTION LT.

SAND CONTENT
OZ. PER 100 GAL.

ACTIVE STATIC HEAD AFTER PUMP STOPPED

5 MIN.	FT.	20 MIN.	FT.
10 MIN.	FT.	25 MIN.	FT.
15 MIN.	FT.	30 MIN.	FT.

WATER SAMPLE TAKEN
NO. SAMPLES
BACTERIOLOGICAL SAMPLE TAKEN
DRAWDOWN
SPECIFIC CAPACITY.

DATE HOUR	AIR LINE GAGE	PUMPING LEVEL	DISCH. PRESS.	HEAD ON ORIFICE INCHES	GPM	RPM	OPERATOR	REMARKS
12-21-65								
7:00				31	351			
8:00		271		31	351		222.20	
9:00		272.35		31	351			
10:00		273.15		31	351			
11:00		273.75		31	351			
12:00 noon		274.40		31	351			
1:00		274.43		31	351			
2:00		274.84		31	351			
3:00		275.95		31	351		G.E.F.	
4:00		275.75		31	351			
5:00		276.12		31	351			
6:00		276.70		31	351			
7:00		276.45		31	351			
			RECOVERY					
7:01	233.98			7:08	232.65			
7:02	234.68			7:09	232.40			
7:03	234.53			7:10	232.17			
7:04	233.90			7:15	231.51			
7:05	233.56			7:20	230.71			
7:06	233.22			7:25	230.15			
7:07	232.90			7:30	229.87			

OBSERVERS
D. H. Clark
FOR OWNER

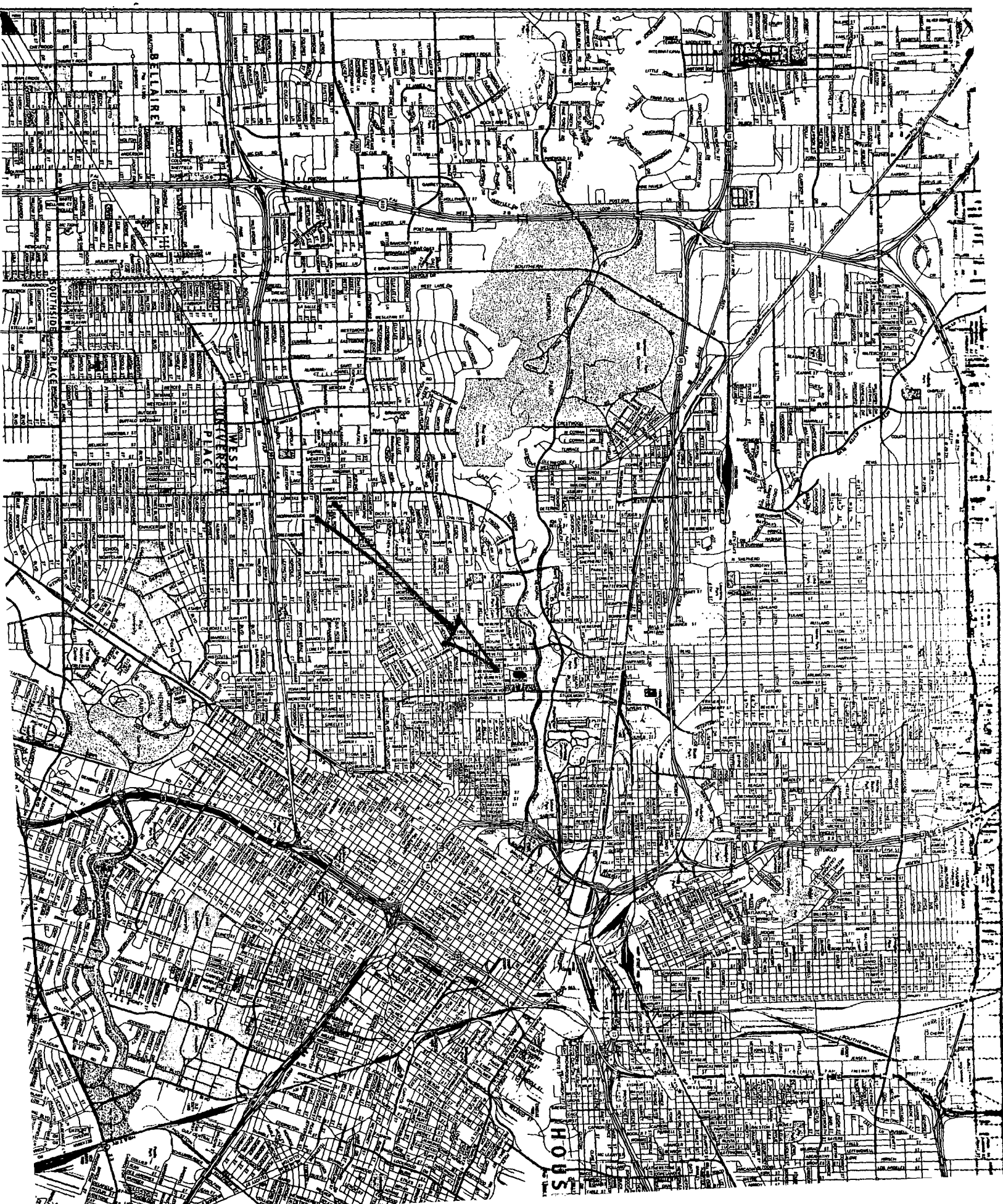
G. E. Ferguson
FOR LAYNE TEXAS CO.

65-14 TE

Q-1532

FORM NO. 25 -

TEXAS WATER DEVELOPMENT BOARD
RECEIVED
DOCUMENT RECORDS


BELLAIRE
SOUTHSIDE
PLACE
WEST
UNIVERSITY
PLACE
MEMORIAL
PARK
OHIO

STATE OF TEXAS WATER WELL REPORT

1) Owner: TLI, INC. (GUY KELLOGG) Address: 13760 NOEL RD. City: DALLAS State: TX ZIP: 75240
2) LOCATION OF WELL:
County: HARRIS 0 miles in SE direction from HOUSTON

#19

LEGAL DESCRIPTION:
Section No.: H231 Block No.: SE Township: HOUSTON
Abstract No.: DELANO Survey Name: GRAYHOUND LINES
Distance and direction from two intersecting section or survey lines: LEELAND & DELAND

3) TYPE OF WORK: NEW WELL
4) PROPOSED USE: TEST WELL
5) DRILLING METHOD: MUD ROTARY

6) WELL LOG:

DIAMETER OF HOLE

DIAMETER	FROM	TO
6.5	0	20

7) BOREHOLE METHOD:
STRAIGHT WALL
IF GRAVEL... FROM FT TO FT

Date Drilled: 06/02/88

GEOLOGICAL DESCRIPTION:

FROM	TO	DESCRIPTION
0	3	TOP SOIL
3	14	CLAY
14	20	SAND

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

DIA	NEW/USED	DESCRIPTION	FROM	TO	GAGE CASING	GAGE SCREEN
4	N	PVC CASING	0	10		40
4	N	EVERFLO SCREEN	10	20		20

9) CEMENTING DATA:
Cemented from 10 FT. TO 0 FT.
FT. TO FT.
Method used: POURED
Cemented by: ODCI

10) SURFACE COMPLETION:
OTHER

11) WATER LEVEL:
STATIC LEVEL : FT. DATE / /
ARTESIAN FLOW: GPM. DATE / /

12) PACKERS: TYPE DEPTH

13) TYPE PUMP:
OTHER
DEPTH TO PUMP:

14) WELL TEST:
JETTED
YIELD: 1 GPM WITH FT DRAWDOWN AFTER HRS

15) WATER QUALITY:
TYPE OF WATER: GOOD WATER DEPTH OF STRATA: 6
NO STRATA OF UNDESIRABLE WATER PENETRATED

NO CHEMICAL ANALYSIS MADE

COMPANY NAME: O'DAY DRILLING CO., INC. WATER WELL DRILLER'S LICENSE NO.: 1877
ADDRESS: P. O. BOX 162 CITY: PEARLAND STATE: TX ZIP CODE: 77588

(signed) Michael O'Day (signed)

RECEIVED
SEP 15 1988
TEXAS WATER COMMISSIO

65-14-7

STATE OF TEXAS WATER WELL REPORT

1) Owner: TLT, INC. (GUY KELLOGG) Address: 13760 NOEL RD. City: DALLAS State: TX ZIP: 75240
2) LOCATION OF WELL:
County: HARRIS 0 miles in SE direction from HOUSTON

#18

LEGAL DESCRIPTION:
Section No.: H231 Block No.: SE Township: HOUSTON
Abstract No.: DELANO Survey Name: GREYHOUND LINES
Distance and direction from two intersecting section or survey lines: LEELAND & DELANO

3) TYPE OF WORK: NEW WELL
4) PROPOSED USE: TEST WELL
5) DRILLING METHOD: MUD ROTARY

on 65-30-1

6) WELL LOG:

DIAMETER OF HOLE

DIAMETER	FROM	TO
6.5	0	20

7) BOREHOLE METHOD:
STRAIGHT WALL
IF GRAVEL... FROM FT TO FT

Date Drilled: 06/02/88

GEOLOGICAL DESCRIPTION:

FROM	TO	DESCRIPTION
0	3	TOP SOIL
3	14	CLAY
14	18	SAND
18	20	CLAY

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

DIA	NEW/USED	DESCRIPTION	FROM	TO	GAGE CASING SCREEN
4	N	PVC CASING	0	10	40
4	N	EVERFLO SCREEN	10	20	20

9) CEMENTING DATA:
Cemented from 10 FT. TO 0 FT.
FT. TO FT.
Method used: POURED
Cemented by: ODCI

10) SURFACE COMPLETION:
OTHER

11) WATER LEVEL:
STATIC LEVEL : FT. DATE / /
ARTESIAN FLOW: GPM. DATE / /

12) PACKERS:

TYPE	DEPTH

13) TYPE PUMP:
OTHER
DEPTH TO PUMP:

14) WELL TEST:
JETTED
YIELD: 2 GPM WITH FT DRAWDOWN AFTER HRS

15) WATER QUALITY:
TYPE OF WATER: GOOD WATER DEPTH OF STRATA: 4
NO STRATA OF UNDESIRABLE WATER PENETRATED

NO CHEMICAL ANALYSIS MADE

COMPANY NAME: O'DAY DRILLING CO., INC. WATER WELL DRILLER'S LICENSE NO.: 1877
ADDRESS: P. O. BOX 162 CITY: PEARLAND STATE: TX ZIP CODE: 77588

(signed) Michael O'Day (signed)

RECEIVED
SEP 15 1988
TEXAS WATER COMMISSION

65-14-7

91

original copy by
fied mail to the
as Department of Water Resources
O. Box 13087
ustin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-14-7K
Located on map YES
Received: RWB

Four D Construction - Contractor

1) OWNER Lynn DeGeorge (Name) Address 4659 Merwin (Street or RFD) Houston, Tx. (City) (State) (Zip)

2) LOCATION OF WELL:
County Harris, 10 miles in SW (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check):
☐ New Well ☐ Deepening
☒ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☒ Domestic ☐ Industrial ☐ Public Supply
☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored
☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:
Date drilled 5/8/81

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
	Surface	
6-3/4		377

From (ft.)	To (ft.)	Description and color of formation material
0	40	Clay
40	63	Sand
63	111	Clay
111	206	Sand
206	243	Clay
243	276	Sand
276	320	Clay
320	377	Sand

(Use reverse side if necessary)

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☐ Gravel Packed ☒ Other 2 string cemented
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	To	Gage Casing Screen
4"	N	PVC Casing	0	345	Sch.
2½"	N	Blank Pipe	327	347	40
2½"	N	PVC Slotted Screen	347	377	.012

CEMENTING DATA
Cemented from 345 ft. to 145 ft.
Method used Halliburton
Cemented by Robinson Water Well (Company or Individual)

9) WATER LEVEL:
Static level 200 ft. below land surface Date 5/11/81
Artesian flow _____ gpm. Date _____

10) PACKERS: Type K Depth 327

11) TYPE PUMP:
☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., ~~338~~ 315 ft.

12) WELL TESTS:
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? potable Depth of strata _____
Was a chemical analysis made? ☐ Yes ☒ No

RECEIVED
AUG 24 1982
CR/TDWR

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME M. E. Robinson, Jr. (Type or Print) Water Well Drillers Registration No. 1464

ADDRESS 11607 FM 149 (Street or RFD) Houston, (City) Tx. (State) 77086 (Zip)

(Signed) M. E. Robinson Jr. (Water Well Driller) Robinson Water Well Service, Inc. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

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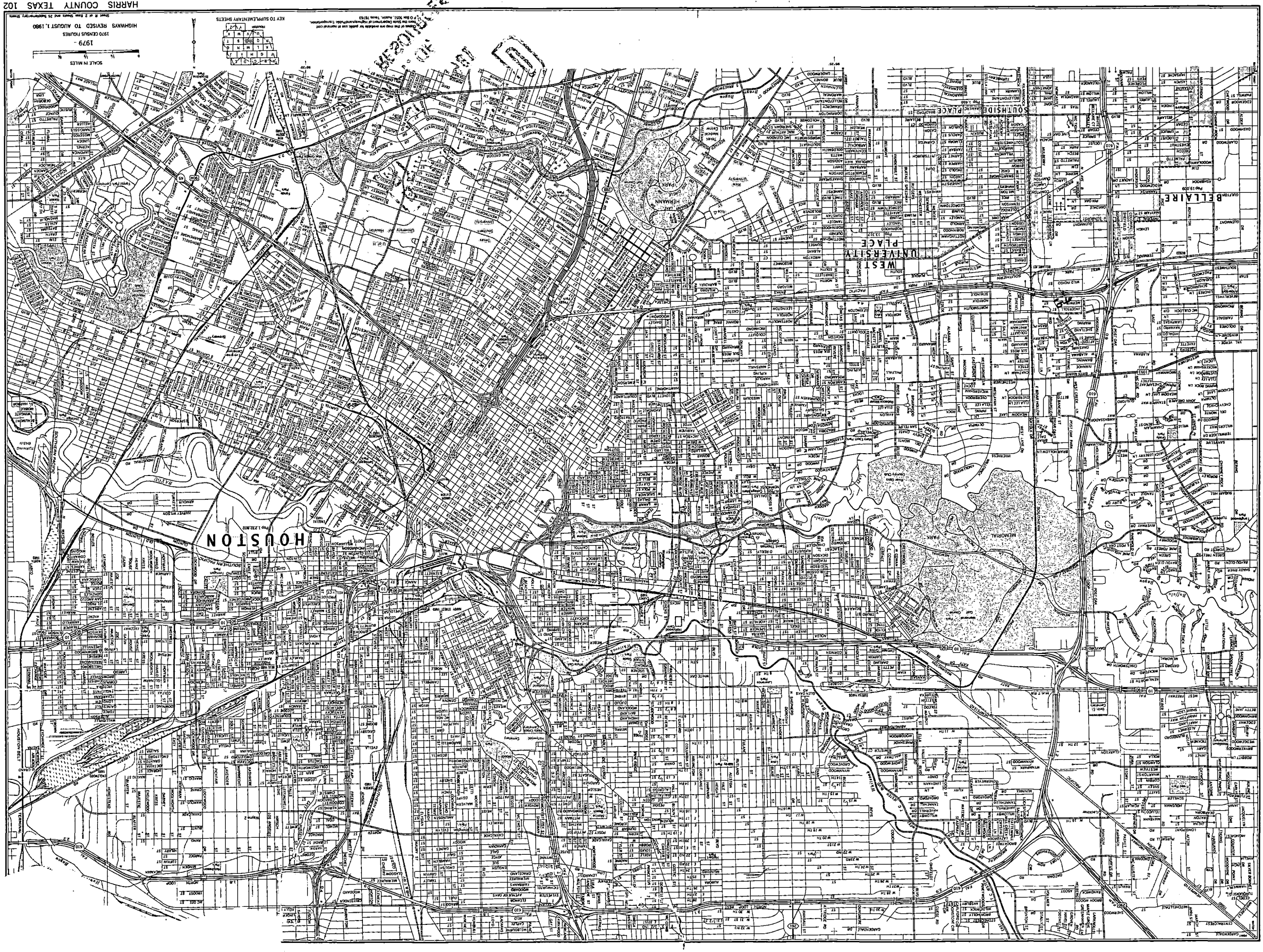
AUG 11 1981
DEPT. OF
WATER RESOURCES


HOUSTON
WEST UNIVERSITY PLACE
BELLAIRE
SOUTHSIDE PLACE
MEMORIAL PARK
HERMANN PARK
SCALE IN MILES
1979 -
1970 CENSUS FIGURES
HIGHWAYS REVISED TO AUGUST 1, 1980
KEY TO SUPPLEMENTARY SHEETS

RECEIVED
AUG 11 1981
DEPT. OF.
WATER RESOURCES

Send original copy by certified mail to the Texas Department of Water Resources P. O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-14-7P
Located on map Yes DLF
Received:

1) OWNER Herman B. Taylor (Name) Address 5505 GASTON (Street or RFD) HOUSTON (City) TEX. (State) (Zip)

2) LOCATION OF WELL: County Harris 12 miles in NE (N.E., S.W., etc.) direction from HOUSTON, TEX (Town)

Driller **must** complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ **Legal description:**
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☑ See attached map.

3) **TYPE OF WORK** (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE** (Check): MOBILE HOME PARK ☑ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Other _____

5) **DRILLING METHOD** (Check): ☑ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) **WELL LOG:**

Date drilled 1-25-85

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
	Surface	
8 1/4	Surface	340
5 1/4	340	372

From (ft.)	To (ft.)	Description and color of formation material
0	50	Red Clay
50	75	Red, Sandy Clay
75	90	Red Sand
90	156	Clay
156	170	Sand
170	230	Clay
230	260	Sand
260	278	Clay
278	290	Sand
290	330	Clay
330	352	Sand
352	357	Clay
357	371	Sand
371	372	Clay

(Use reverse side if necessary)

7) **BOREHOLE COMPLETION:**
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other Pressure Cemented
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
5"	NEW	Sch 40 PVC WELL C.	SURFACE	298	
		BLK. STEEL	298	340	
3	NEW	Stainless S. Rod Base	342	352	016
3"	NEW	GALV. PIPE	352	360	
3	NEW	S.S. H.W.S. Rod Base	360	370	012
3	NEW	GALV. PIPE	370	372	
		3X5" LEAD SEAL SET 334 FT.			

CEMENTING DATA
Cemented from SURFACE ft. to 340 ft.
Method used Pressure Cemented
Cemented by L.F. Hull (Company or Individual)

9) **WATER LEVEL:**
Static level 233 ft. below land surface Date 1-27-85
Artesian flow _____ gpm. Date _____

10) **PACKERS:** Type Depth

11) **TYPE PUMP:**
☐ Turbine ☐ Jet ☑ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 330 ft.

12) **WELL TESTS:**
☐ Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☑ Estimated
Yield: 50 GPM gpm with 25 ft. drawdown after 8 hrs.

13) **WATER QUALITY:**
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☑ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☑ No

RECEIVED
MAR 28 1985
DEPT OF WATER RESOURCES

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME LEONARD F. HULL (Type or Print) Water Well Drillers Registration No. 002044

ADDRESS 4933 HARTWICK (Street or RFD) HOUSTON (City) TEXAS (State) 77093 (Zip)

(Signed) Leonard F. Hull (Water Well Driller) L.F. HULL (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

65-14-7P

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MAR 28 1985
DEPT. OF
WATER RESOURCES

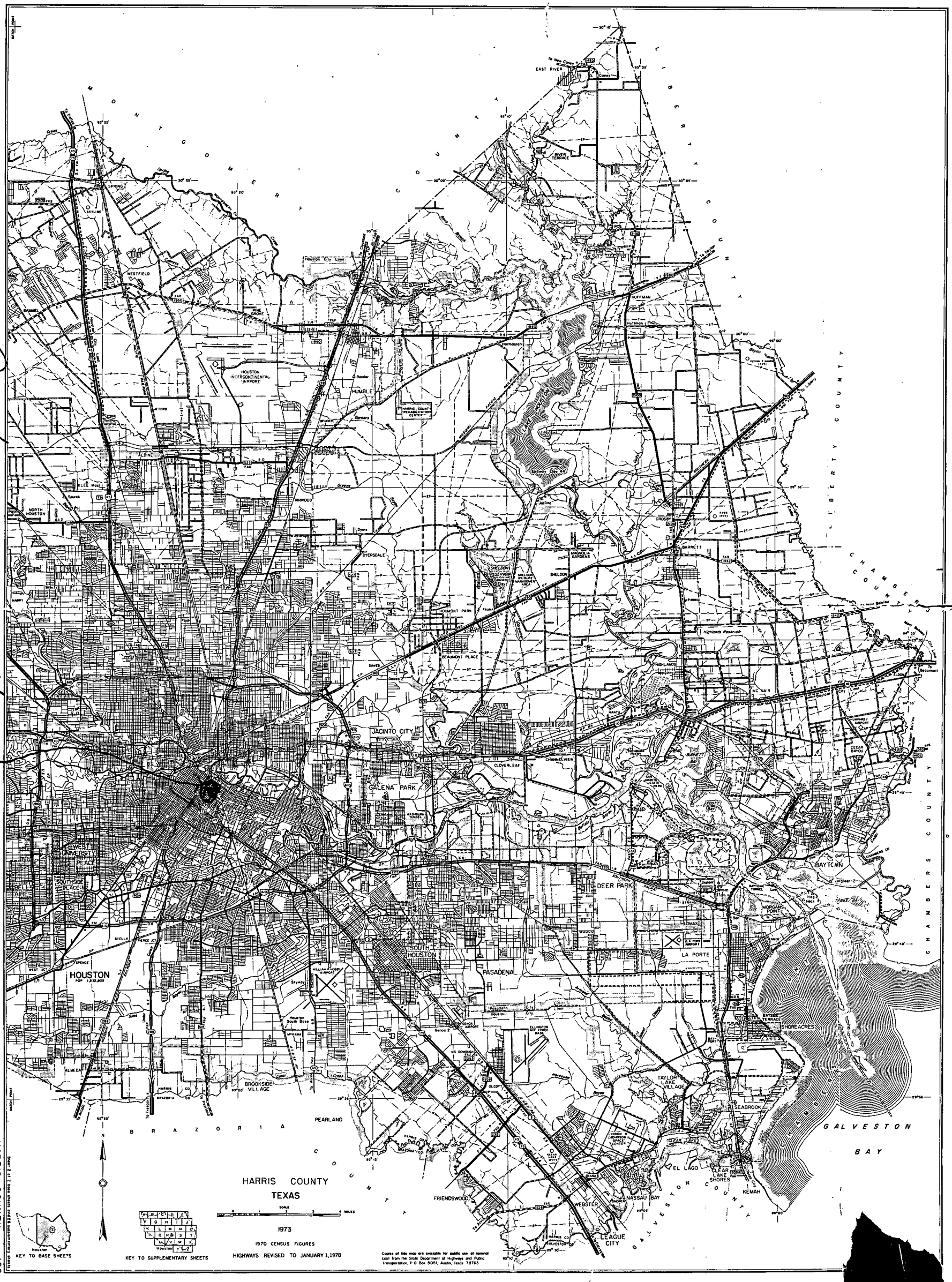
IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

Herman B. Taylor Jr.


HARRIS COUNTY
TEXAS
1973
1970 CENSUS FIGURES
HIGHWAYS REVISED TO JANUARY 1,1978
KEY TO BASE SHEETS
KEY TO SUPPLEMENTARY SHEETS
HOUSTON
POP 1,232,802
HUMBLE
JACINTO CITY
GALENA PARK
DEER PARK
PASADENA
SOUTH HOUSTON
LA PORTE
BAYTOWN
SHORE ACRES
SEABROOK
TAYLOR LAKE VILLAGE
KEMAH
CLEAR LAKE SHORES
EL LAGO
NASSAU BAY
WEBSTER
LEAGUE CITY
FRIENDSWOOD
PEARLAND
BROOKSIDE VILLAGE
HOUSTON INTERCONTINENTAL AIRPORT
WILLIAM P. HOBBY AIRPORT
LAKE HOUSTON
GALVESTON BAY
CHAMBERS COUNTY
LIBERTY COUNTY
BRAZORIA COUNTY
MONTGOMERY COUNTY
SPRING
WESTFIELD
ALDINE
NORTH HOUSTON
KINGWOOD
DYERSDALE
SHELDON
MAGNOLIA GARDENS
BARRETT
CROSBY
HUFFMAN
EAST RIVER
RIVER TERRACE
HOUMONT PARK
BEAUMONT PLACE
HIGHLANDS
MC NAIR
CLOVERLEAF
CHANNELVIEW
CEDAR BAYOU
MORGANS POINT
LOMAX
ALMEDA
STELLA
SPENCE
SAYLINE
PINE GROVE
BANNEL
ATERO
Bender
Carters
Greens
Dyers
Crosby
Highlands Reservoir
Houston City Limit
To Galveston
To Beaumont
To New Orleans
To Baytown
To Liberty
To Anahuac
To Freeport
To Alvin
To Pearland
To Angleton
To Dallas
To Shreveport
To Austin
To San Antonio
To Brenham
To Navasota
To Huntsville
To Conroe
To Cleveland
To Dayton
To Liberty
To Anahuac
To Beaumont
To New Orleans
To Baytown
To Galveston
To Pearland
To Angleton
To Freeport
To Alvin

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MAR 28 1985
DEPT. OF
WATER RESOURCES

Please use black ink.
Send original copy by certified mail to the
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER ETHEL CUTLER (Name) Address 15642 MAGEE (Street or RFD) HOUSTON (City) TX (State) 77032 (Zip)

2) LOCATION OF WELL: County HARRIS 13 miles in ~~13~~ N (N.E., S.W., etc.) direction from HOUSTON (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ **Legal description:**
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
☑ See attached map.

3) **TYPE OF WORK** (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE** (Check): ☑ Domestic ☐ Industrial ☐ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) **DRILLING METHOD** (Check): ☐ Driven ☑ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Other _____

6) **WELL LOG:**
Date Drilling: Started 11/26 19 90 Completed 11/27 19 90

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
	Surface	
6 1/2	0	270

From (ft.)	To (ft.)	Description and color of formation material
0	4	TOP SOIL
4	17	WHITE CLAY
17	44	SAND
44	46	ROCK
46	133	CLAY
133	141	SAND
141	208	BRN CLAY
208	270	SAND

(Use reverse side if necessary)

7) **BOREHOLE COMPLETION:** ☐ Open Hole ☑ Straight Wall ☐ Underreamed ☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	PVC	0	250	
4	N	PVC slotted	250	270	12

9) **CEMENTING DATA** [Rule 319.44(b)]
Cemented from 0 ft. to 120 ft. No. of Sacks Used 14
ft. to ft. No. of Sacks Used
Method used TREMIC PIPE
Cemented by BOW

10) **SURFACE COMPLETION**
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☑ Approved Alternative Procedure Used [Rule 319.71]

11) **WATER LEVEL:**
Static level 140 ft. below land surface Date 11/27/90
Artesian flow _____ gpm. Date _____

12) **PACKERS:**

Type	Depth
3 — 4X6½ FORMATION	240
2 — 4X6½ FORMATION	140

13) **TYPE PUMP:** ☐ Turbine ☐ Jet ☑ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 180 ft.

14) **WELL TESTS:**
Type Test: ☐ Pump ☐ Bailer ☑ Jetted ☑ Estimated
Yield: 35 gpm with 25 ft. drawdown after 2 hrs.

15) **WATER QUALITY:**
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☑ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

RECEIVED
JUL 02 1991
TEXAS WATER COMMISSION

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME BALLARDS WATER WELL (Type or Print) Water Well Driller's License No. 2384

ADDRESS P.O. BOX 2004 (Street or RFD) WILLIS (City) TEXAS (State) 77378 (Zip)

(Signed) Charles A. Ballard (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65-14-7
Located on map _____

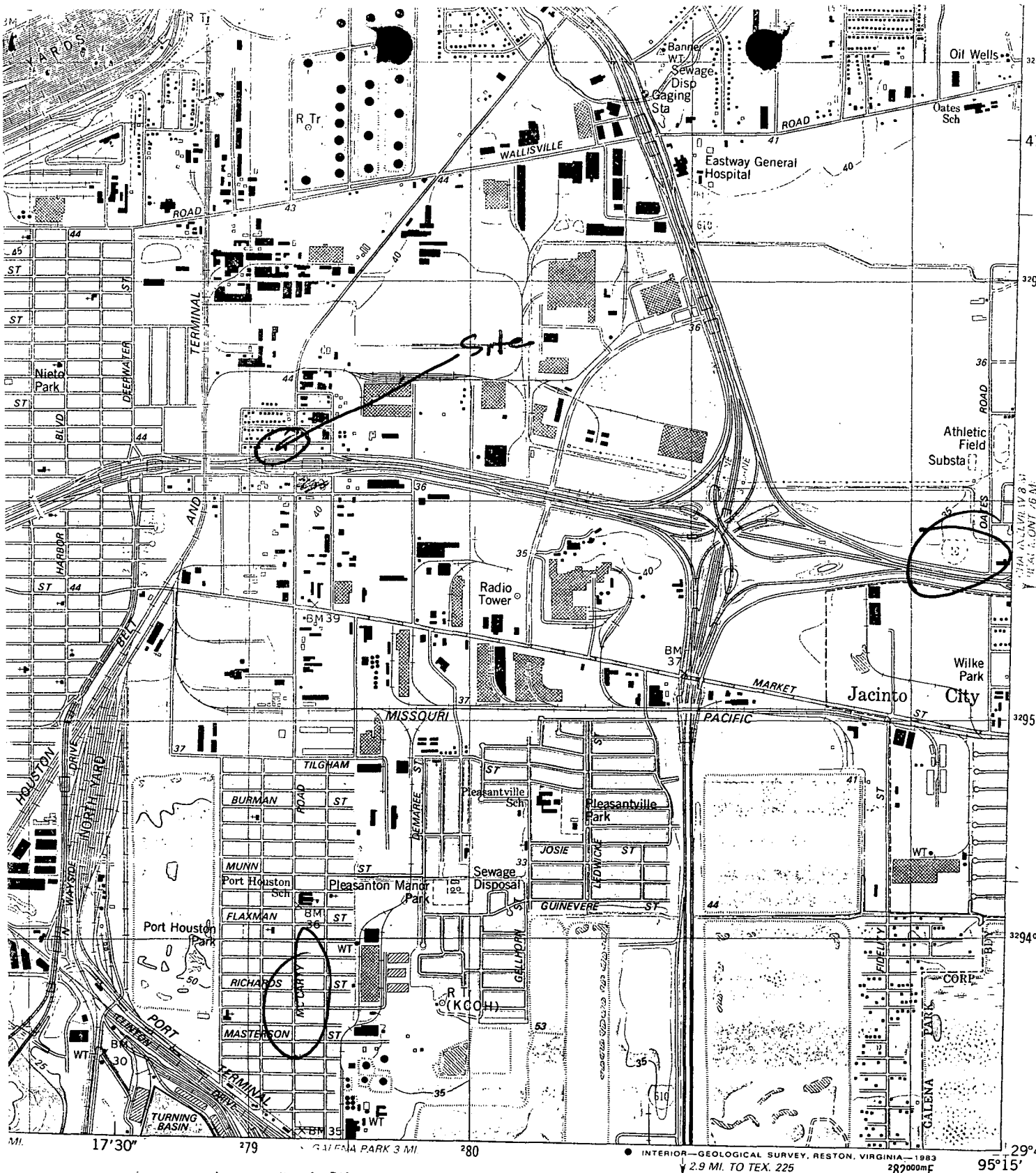
WWD-012 (Rev.01-28-87) TEXAS WATER COMMISSION COPY

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Texas Water Commission are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every licensed water well driller drilling, deepening or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within 30 days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. Each copy of a well log, other than a Commission copy, shall include the name, mailing address, and telephone number of the Board and the Commission. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential.



? No Well Report with this

1 MILE

GAYLORD STICKNEY CO. & ASSOC., INC.
Authorized Agents For U.S. Geological Survey Maps
Texas

QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway, hard surface

Light-duty road, hard or improved surface

Secondary highway, hard surface

Unimproved road

Interstate Route

U. S. Route

State Route

(PASADENA) 6943 II NW

SETTEGAST, TEX.
N2945—W9515/7.5

1982

2092

2335-431

Please use black ink.
Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER _____ (Name) Address _____ (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
County _____, _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☐ See attached map.

3) TYPE OF WORK (Check):
☐ New Well ☐ Deepening
☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☐ Public Supply
☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored
☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:

Date drilled _____

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
	Surface	

From (ft.)	To (ft.)	Description and color of formation material

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from _____ ft. to _____ ft.
_____ ft. to _____ ft.
Method used _____
Cemented by _____

10) SURFACE COMPLETION
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

RECEIVED
SEP 15 1988
TEXAS WATER COMMISSION

11) WATER LEVEL:
Static level _____ ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

12) PACKERS: Type Depth

(Use reverse side if necessary)

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS:
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☐ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME _____ (Type or Print) Water Well Driller's License No. _____

ADDRESS _____ (Street or RFD) (City) (State) (Zip)

(Signed) [signature] (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
Well No. 65-14-7
Located on map _____

WELL OWNER'S COPY

DWR-0392 (12/29/83)

Please use black ink.
Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER _____ (Name) Address _____ (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
County _____, _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☐ See attached map.

3) TYPE OF WORK (Check):
☐ New Well ☐ Deepening
☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☐ Public Supply
☐ Irrigation ☐ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☐ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored
☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:

Date drilled _____

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
	Surface	

From (ft.)	To (ft.)	Description and color of formation material

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from _____ ft. to _____ ft.
_____ ft. to _____ ft.
Method used _____
Cemented by _____

10) SURFACE COMPLETION
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level _____ ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

12) PACKERS: Type Depth

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS:
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

RECEIVED
SEP 15 1988
TEXAS WATER COMMISSION

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☐ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME _____ (Type or Print) Water Well Driller's License No. _____

ADDRESS _____ (Street or RFD) (City) (State) (Zip)

(Signed) Michael Ortz (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
Well No. 65 14-7
Located on map _____

WELL OWNER'S COPY

DWR-0392 (12/29/83)

Please use black ink.

File WHITE COPY with:
TNRCC
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

State of Texas
PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

A. WELL IDENTIFICATION AND LOCATION DATA

1) OWNER Williams Brothers Const. (Name) ADDRESS P.O. Box 66428 (Street or RFD) Houston (City) TX (State) 77266 (Zip)

2) ADDRESS OF WELL:
County Harris Beltway 8 Hwy 90 (Street, RFD or other) Houston (City) TX (State) (Zip) GRID # _____

3) OWNER'S WELL NO: N/A

4) WELL TYPE (Check): ☒ Water ☐ Monitor ☐ Injection ☐ De-watering

5) 65-14-7

Driller, Pump Installer, or Landowner performing the plugging operations **must** locate and identify the location of the well within a specific grid on a full scale-gridded County map available from the TNRCC/Installers Certification Program. The location of the well should be denoted within the grid by placing a corresponding dot in the grid to the right. The legal description section below is optional.

N

☐ LEGAL DESCRIPTION:

Section No. _____ Block No. _____ Township _____

Abstract No. _____ Survey Name _____

Distance and direction from two intersecting section lines or survey lines: _____

B. HISTORICAL DATA ON WELL TO BE PLUGGED (if available)

6) Driller Almeda Water Well License No. 843,2703,2843 City Manvel

7) Drilled 6-5 19 92 8) Diameter of hole 5 inches; 9) Total depth of well 280 feet.

MAY 22 1995

C. CURRENT PLUGGING DATA

10) Date well plugged 12-30 ,19 93

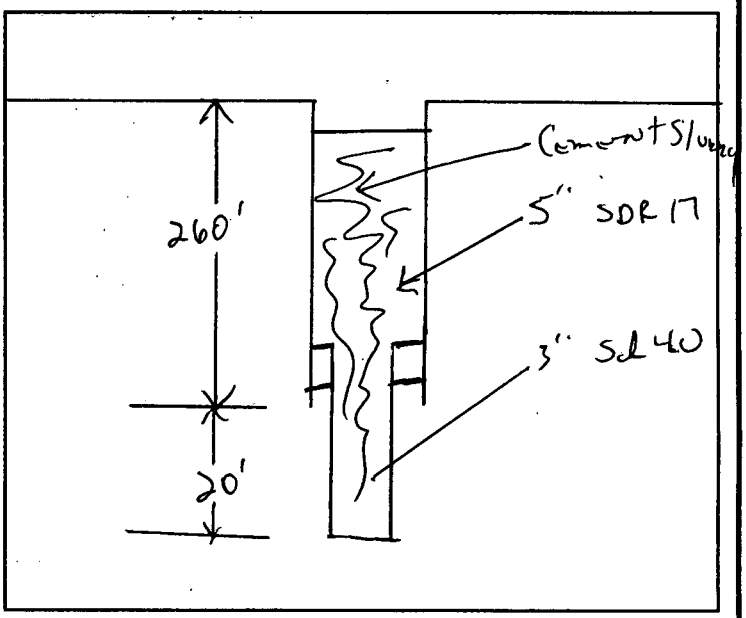
11) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

12) Name of Driller/Pump Installer actually performing the plugging operations
Dale Felder
License number 2440WI

13) Casing and cementing data relative to the plugging operations:

DIAMETER (inches)	CASING LEFT IN WELL FROM (feet)	CASING LEFT IN WELL TO (feet)
5	-1	260
3	260	280

CEMENT PLUG(S) PLACED IN WELL FROM (feet)	TO (feet)	SACK(S) OF CEMENT USED
-1	280	35



D. VALIDATION OF INFORMATION INCLUDED IN FORM

I hereby certify that this well was plugged by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 13 will result in the report(s) being returned for completion and resubmittal.

Company or Individual's Name *(type or print)* Dale Felder - Felder Water Well & Pump Service

Address: Street or RFD 200 Henderson City Angleton State TX Zip 77515

Signature: Dale Felder — Licensed Driller/Pump Installer — Date 12-30-93

Williams Brothers Const. — Owner of Well — Date 12-30-93

Trainee/Apprentice — Date

White - TNRCC *Yellow - Well Owner* *Pink - Licensed Well Driller/Pump Installer*

TNRCC-0055 (Rev. 01-12-95)

Please use black ink.
Send original copy by certified mail to the Texas Water Commission P.O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Southern Pacific Transportation Co (Name) Address 1 Market Plaza, San Francisco, California 94105 (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
County HARRIS ~50 ft west of Pine Street, 150 ft. south of Baker St. ~~miles in~~ ~~direction from~~ in Houston
(N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check): ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☒ Other HSA

6) WELL LOG:
Date Drilling: Started 1-24 19 89 Completed 1-24 19 89

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
8	Surface	37

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 11 ft. to 37 ft.

From (ft.)	To (ft.)	Description and color of formation material
		SEE ATTACHED LOG
		MW-2

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	PVC SLOTTED	15	35	0.010
4	N	PVC Casing	0	15	

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 8.5 ft. No. of Sacks Used _____
_____ ft. to _____ ft. No. of Sacks Used _____
Method used PUMP FROM SURFACE
Cemented by IT CORP

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 30' ft. below land surface Date 1-24-89
Artesian flow _____ gpm. Date _____

12) PACKERS: NONE Type Depth

(Use reverse side if necessary)

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13) TYPE PUMP: NONE
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

14) WELL TESTS: NONE
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME IT Corporation (Type or Print) Water Well Driller's License No. 02791M

ADDRESS 2925 Briarpark Suite 405 (Street or RFD) Houston (City) Tx (State) 77042 (Zip)

(Signed) _____ (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65-14-7
Located on map _____

TWC-0392 (Rev. 06-10-85)

TEXAS WATER COMMISSION COPY

Please use black ink.
Send original copy by certified mail to the
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Southern Pacific Transportation Co (Name) Address 1 Market Plaza (Street or RFD) San Francisco (City) California (State) 94105 (Zip)

2) LOCATION OF WELL:
County HARRIS 200 ft SE from ~~miles in~~ Main St + Wood St ~~direction from~~ in Houston (Town)
(N.E., S.W., etc.)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check):
☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☒ Other HSA

6) WELL LOG:
Date Drilling: Started 1-23 19 89 Completed 1-23 19 89

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
8	Surface	42

7) BOREHOLE COMPLETION: SEE LOGS
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 16 ft. to 42 ft.

From (ft.)	To (ft.)	Description and color of formation material
SEE ATTACHED LOG		
MW-1		

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	PVC SLOTTED	20	40	0.010
4	N	PVC CASING	0	20	

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 14 ft. No. of Sacks Used _____
_____ ft. to _____ ft. No. of Sacks Used _____
Method used PUMP FROM SURFACE
Cemented by IT CORP

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 34 ft. below land surface Date 1-24-89
Artesian flow _____ gpm. Date _____

12) PACKERS: NONE Type Depth

13) TYPE PUMP: NONE
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS: NONE
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

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TEXAS WATER COMMISSION

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME IT Corporation (Type or Print) Water Well Driller's License No. 02791 M

ADDRESS 2925 Briarpark Suite 405 (Street or RFD) Houston, Tx (City) 77042 (State) (Zip)

(Signed) _____ (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65-14-7
Located on map _____

TWC-0392 (Rev. 06-10-85)

TEXAS WATER COMMISSION COPY

Please use black ink.
Send original copy by certified mail to the Texas Water Commission P.O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Southern Pacific Transportation Co. (Name) Address 1 Market Plaza (Street or RFD), San Francisco (City), California (State) 94105 (Zip)

2) LOCATION OF WELL:
County Harris, 0 miles ~~in~~ from Walnut St. N. of Wood (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check): ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☒ Other HSA

6) WELL LOG:
Date Drilling: Started 1-26 19 89 Completed 1-26 19 89

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
8	Surface	42

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 18 ft. to 42 ft.

From (ft.)	To (ft.)	Description and color of formation material
SEE ATTACHED LOG		
MW-6		

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	PVC Slotted	22	42	0.010

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 145 ft. No. of Sacks Used _____
_____ ft. to _____ ft. No. of Sacks Used _____
Method used Pump From Surface
Cemented by I.T. Corp.

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 30 ft. below land surface Date 1-26-89
Artesian flow _____ gpm. Date _____

12) PACKERS: NONE Type Depth

13) TYPE PUMP: NONE
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS: NONE
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

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TEXAS WATER COMMISSION

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME IT Corporation (Type or Print) Water Well Driller's License No. 02791 M

ADDRESS 2925 Briarpark (Street or RFD) Suite 405 (City) Houston (State) Tx 77042 (Zip)

(Signed) _____ (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65-14-7
Located on map _____

TWC-0392 (Rev. 06-10-85)

TEXAS WATER COMMISSION COPY

Please use black ink.
Send original copy by certified mail to the
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT
ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Southern Pacific Transportation Co (Name) Address 1 Market Plaza, San Francisco, California 94105 (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
County Harris 100 ~~miles in~~ feet East (N.E., S.W., etc.) from Allen St & N. San Jacinto ~~direction~~ from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check): ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☒ Other HSA

6) WELL LOG:
Date Drilling: Started 1-26 19 89 Completed 1-26 19 89

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
8	Surface	40

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 17 ft. to 40 ft.

From (ft.)	To (ft.)	Description and color of formation material
		SEE ATTACHED LOG
		MW-5

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4IN	N	PVC SLOTTED	20	40	0.010
4	N	PVC Casing	0	20	

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 14 ft. No. of Sacks Used _____
_____ ft. to _____ ft. No. of Sacks Used _____
Method used Pump from surface
Cemented by I.T. Corp.

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 30 ft. below land surface Date 1-26-89
Artesian flow _____ gpm. Date _____

12) PACKERS: Type Depth

13) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS:
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

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MAR 29 1989
TEXAS WATER COMMISSION

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME I T Corporation (Type or Print) Water Well Driller's License No. 02791M

ADDRESS 2925 Briarpark Suite 405 (Street or RFD) Houston (City) Texas (State) 77042 (Zip)

(Signed) _____ (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65 14-7
Located on map _____

TWC-0392 (Rev. 06-10-85)

TEXAS WATER COMMISSION COPY

Please use black ink.
Send original copy by certified mail to the Texas Water Commission P.O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER SOUTHERN PACIFIC TRANSPORTATION (Name) Address 1 Market Plaza (Street or RFD), San Francisco (City), California (State) 94105 (Zip)

2) LOCATION OF WELL:
County Harris, 0 miles ~~in~~ from Cedar St & Bayou Buffalo (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☑ See attached map.

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check): ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☒ Other HSA

6) WELL LOG:
Date Drilling: Started 1-26 19 89 Completed 1-26 19 89

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
8	Surface	36

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 10 ft. to 36 ft.

From (ft.)	To (ft.)	Description and color of formation material
		SEE ATTACHED LOG
		MW-4

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	PVC SLOTTED	15	35	0.010
4	N	PVC Casing	0	15	

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 8 ft. No. of Sacks Used _____
_____ ft. to _____ ft. No. of Sacks Used _____
Method used PUMP FROM SURFACE
Cemented by IT CORP

10) SURFACE COMPLETION
☑ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 25 ft. below land surface Date 1-26-89
Artesian flow _____ gpm. Date _____

12) PACKERS: Type Depth

13) TYPE PUMP: NONE
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS: NONE
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

RECEIVED
MAR 29 1989
TEXAS WATER COMMISSION

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME IT Corporation (Type or Print) Water Well Driller's License No. 02791 M

ADDRESS 2925 Briarpark (Street or RFD) Suite 405 (City) Houston, Texas (State) 77042 (Zip)

(Signed) _____ (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65-14-7
Located on map _____

TWC-0392 (Rev. 06-10-85)

TEXAS WATER COMMISSION COPY

Please use black ink.
Send original copy by certified mail to the Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER SOUTHERN PACIFIC TRANSPORTATION Address 1 Market Plaza, San Francisco, California 94105
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
County Harris ~~miles in~~ at Baker + Pine St ~~direction from~~ in Houston
(N.E., S.W., etc.) (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check): ☐ Driven
☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☒ Other HSA

6) WELL LOG:
Date Drilling: Started 1-25 1989 Completed 1-25 1989

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
8	Surface	40

From (ft.)	To (ft.)	Description and color of formation material
		SEE ATTACHED LOG
		MW-3

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 14 ft. to 40 ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	PVC SLOTTED	18	38	0.010
4	N	PVC CASING	0	18	

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 12 ft. No. of Sacks Used _____
_____ ft. to _____ ft. No. of Sacks Used _____
Method used PUMP FROM SURFACE
Cemented by IT CORP

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 30.5 ft. below land surface Date 1-25-89
Artesian flow _____ gpm. Date _____

12) PACKERS: Type Depth
NONE

13) TYPE PUMP: NONE
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS: NONE
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

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(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME IT Corporation (Type or Print) Water Well Driller's License No. 02291M

ADDRESS 2925 Briarpark Suite 405 Houston, Tx 77042
(Street or RFD) (City) (State) (Zip)

(Signed) _____ (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65-14-7
Located on map _____

TWC-0392 (Rev. 06-10-85)

TEXAS WATER COMMISSION COPY

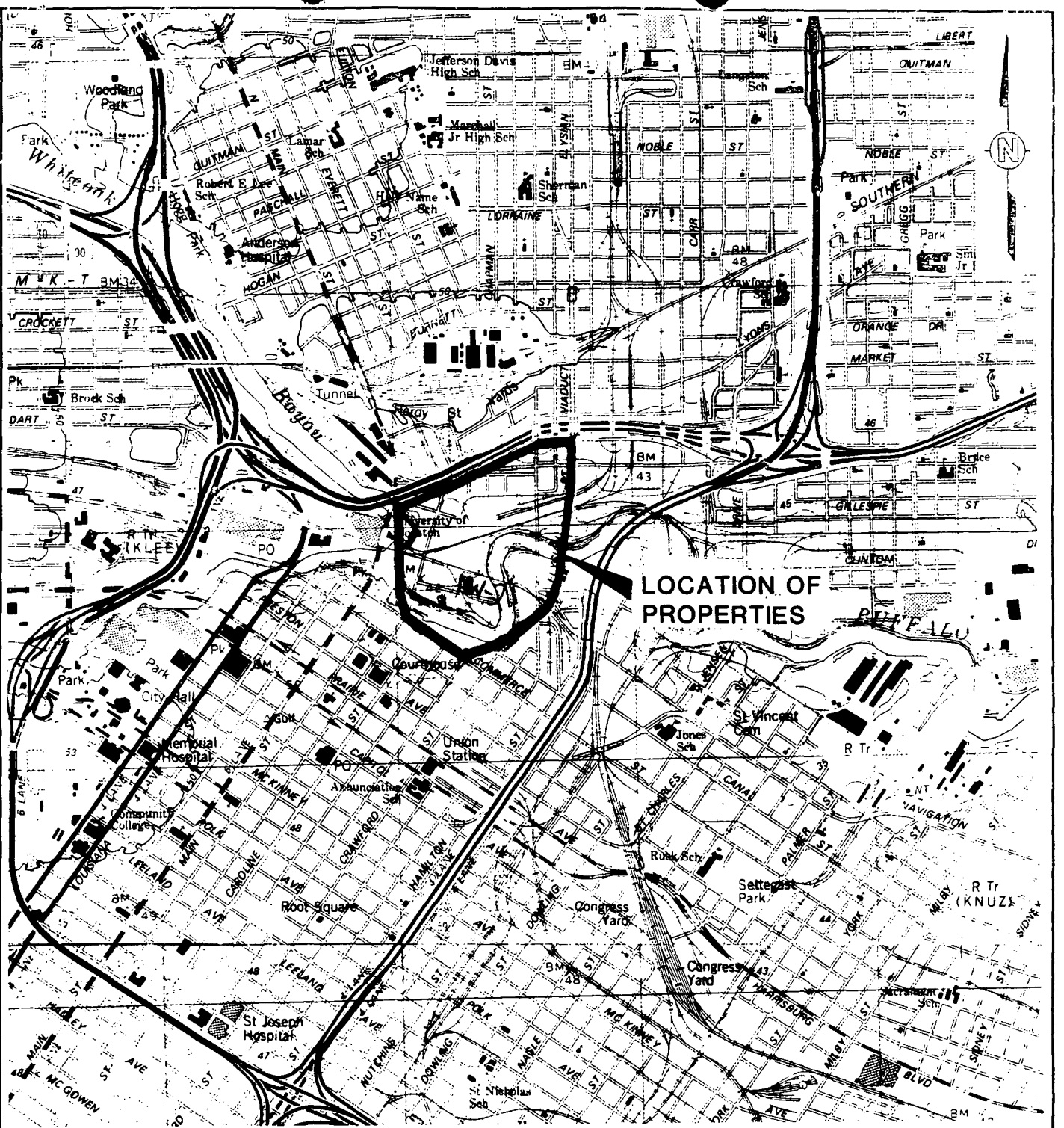

FIGURE 1

LOCATION MAP
BUFFALO BAYOU SITE
HOUSTON, TEXAS

PREPARED FOR

SOUTHERN PACIFIC TRANSPORTATION CO.
SAN FRANCISCO, CALIFORNIA

REFERENCE: U.S.G.S. 7.5 MINUTE QUADRANGLE
SETTEGAST, TEXAS 1982

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DRAWING NUMBER	421404.01-A6
CHECKED BY	
APPROVED BY	
DRS	2-27-89
DRAWN BY	

SPBB1

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 42-1404-01	PROJECT NAME: Southern Pacific - Houston Sites		
BORING NUMBER: MW-2	AREA: H-6		DATE: 1-24-89
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth	Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger			PAGE 1 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
0	MW2-0		Gravel Brown sand, gravel, asphalt, broken glass, dry, slight odor	0		No odor Retain for analysis Slight odor asphalt
					C	
5			Light gray silty SAND, very fined grained, loose, dry, no odor			No odor
			Becoming more clayey			
10			Brown silty CLAY, dry		B	
			Becoming more clayey		S	
15			Green/gray mottled orange CLAY	0		
20	MW2-20		Red/brown, slickensides			Retain for analysis
25						

NOTES:

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

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TEXAS WATER COMMISSION

RGM/421404-BL(3)

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 421404-01	PROJECT NAME: Southern Pacific - Houston Sites		
BORING NUMBER: MW-2	AREA: H-6		DATE: 1-24-89
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth	Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger			PAGE 2 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
--25			Crumbly	0		No odor
--30			Red brown SILT, wet, clayey, no odor	0		Wet at 30'
--35	MW2-35		SAME			Retain for analysis
--40			T.D. 37'			
--45						
--50						

NOTES:

T.D. 37'.
Wet @ 30'.
No odor.

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

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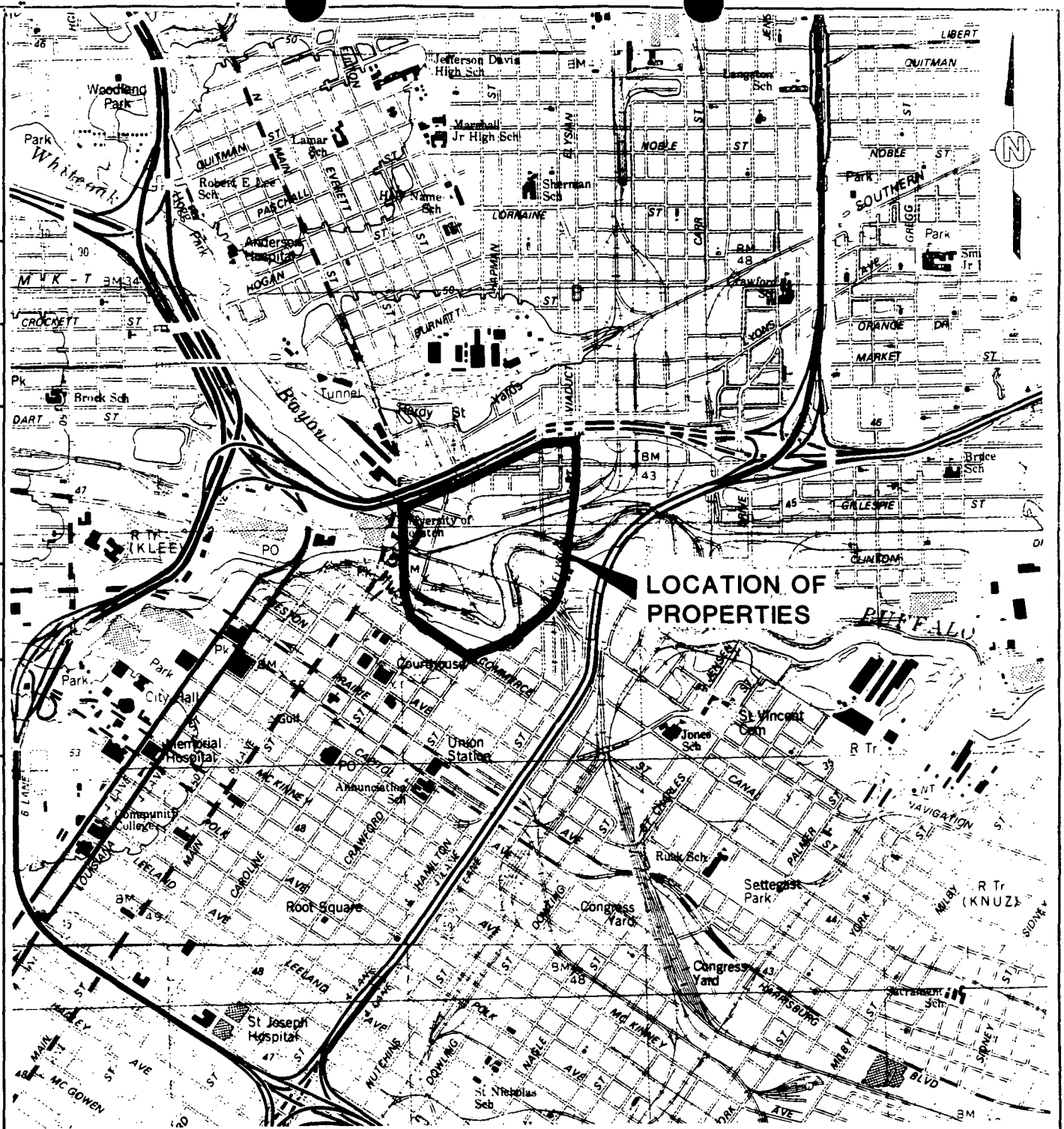
TEXAS WATER COMMISSION

RGM/421404-BL(4)



2000 0 2000 FT

SCALE

FIGURE 1

LOCATION MAP
BUFFALO BAYOU SITE
HOUSTON, TEXAS

PREPARED FOR

SOUTHERN PACIFIC TRANSPORTATION CO.
SAN FRANCISCO, CALIFORNIA

REFERENCE: U.S.G.S. 7.5 MINUTE QUADRANGLE
SETTEGAST, TEXAS 1982

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DRAWING NUMBER	421404.01-A6
CHECKED BY	
APPROVED BY	
DRS	2-27-89
DRAWN BY	

SPBB1

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 42-1404-01 PROJECT NAME: Southern Pacific - Houston Sites

BORING NUMBER: MW-1 AREA: H-3 DATE: 1-23-89

ELEVATION: GWL: Depth 34' Date/Time 1-24/0700 DATE STARTED:

ENGINEER/GEOLOGIST: M. J. Kelly Depth Date/Time DATE COMPLETED:

DRILLING METHOD: Hollow Stem Auger PAGE 1 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
0	MW1-0		Dark brown silt gravel, shells, dry	0		No odor retain for analysis
5			Black sandy CLAY, dry, firm		C	
			Becoming silty			
10			Light gray, silty CLAY, mottled orange			
15			Gray-tan, crumbly, no odor		B	
					S	
20	MW1-20		Orange, red/brown, black, organic pieces, brick			Retain for analysis

NOTES:

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

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TEXAS WATER COMMISSION

RGM/421401-BL(1)

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 421404-01	PROJECT NAME: Southern Pacific - Houston Sites		
BORING NUMBER: MW-1	AREA: H-3		DATE: 1-23-89
ELEVATION:	GWL: Depth 34'	Date/Time 1-24/0700	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth	Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger			PAGE 2 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
--25			Gray CLAY, some gray silt, moist, calcareous, and Fe nods	0		No odor
--30			Dark green gray sandy SILT, wet, roots, organic material			
--35	MW1-35		Red brown mottled gray silty CLAY, wet at 36'			Retain for analysis
--40			Red brown clayey SILT, wet, no odor			
--45			T.D. 42'			
--50						

NOTES:

Wet @ 36'.
No odor.
T.D. 42'.

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C - CEMENT
B - BENTONITE
S - SAND
SCREEN

RGM/421404-BL(2)

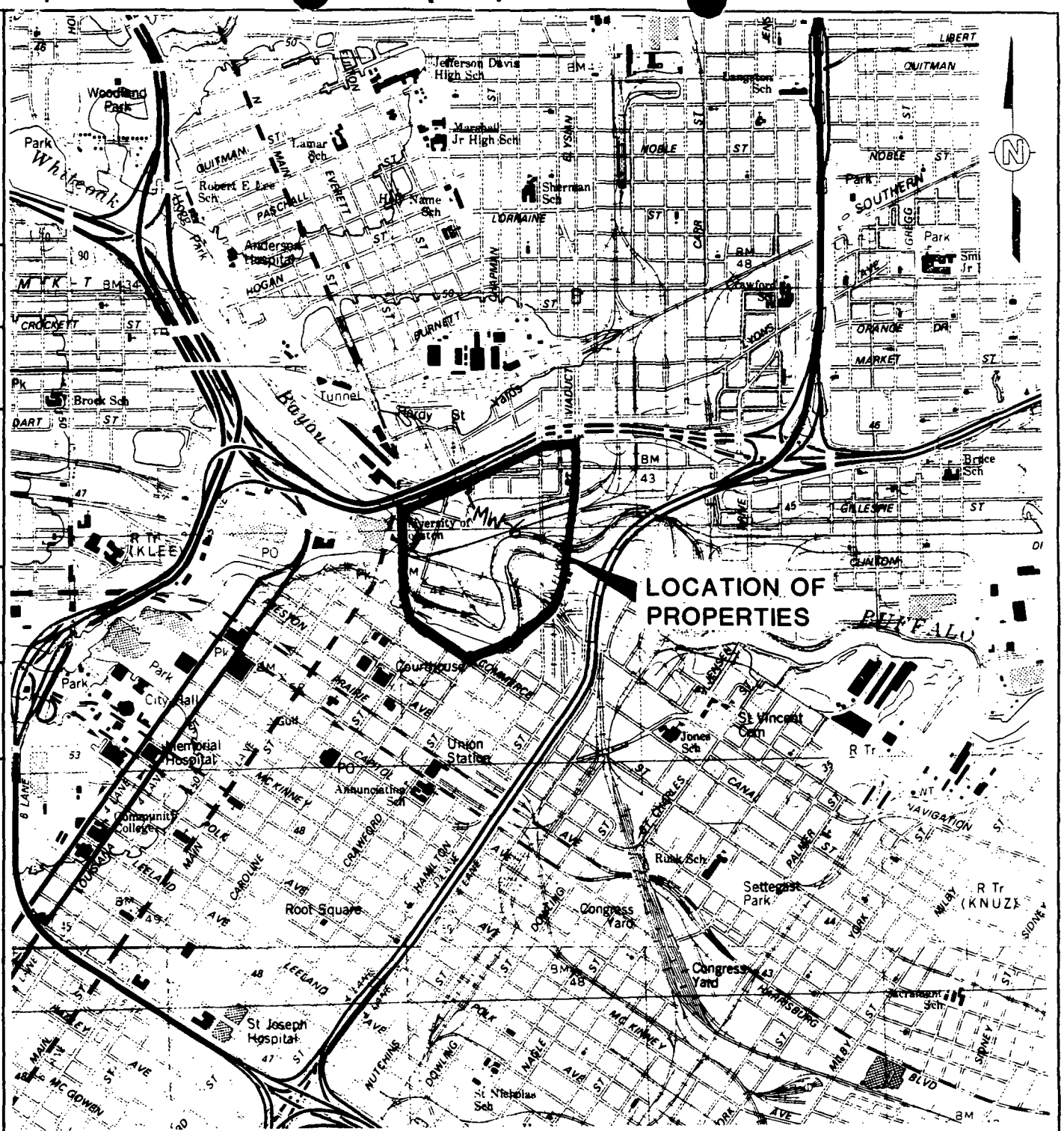

FIGURE 1

LOCATION MAP
BUFFALO BAYOU SITE
HOUSTON, TEXAS

REFERENCE: U.S.G.S. 7.5 MINUTE QUADRANGLE
SETTEGAST, TEXAS 1982

PREPARED FOR

SOUTHERN PACIFIC TRANSPORTATION CO.
SAN FRANCISCO, CALIFORNIA

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DRAWING NUMBER	421404.01-A6
CHECKED BY	
APPROVED BY	
DRS	2-27-89
DRAWN BY	

SPBB1

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 42-1404-01 PROJECT NAME: Southern Pacific - Houston Sites

BORING NUMBER: MW-6 AREA: H-1 DATE: 1-26-89

ELEVATION: GWL: Depth Date/Time DATE STARTED:

ENGINEER/GEOLOGIST: M. J. Kelly Depth Date/Time DATE COMPLETED:

DRILLING METHOD: Hollow Stem Auger PAGE 1 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
0	MW6-0		Concrete pavement Brown gray clay, dry, asphalt, rubble, gravel, sand	0		Slight odor asphalt Retain for analysis
5			CLAY, gray/dark gray, dry, firm			No odor
10			Mottled orange, no odor			
15			Silty CLAY, soft, moist		B	
20	MW6-20		Tan brown mottled red/brown, dry, firm		S	MW6-20 Retain for analysis
25						

NOTES:

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

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RGM/421404-BL(11)

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 421404-01	PROJECT NAME: Southern Pacific - Houston Sites		
BORING NUMBER: MW-6	AREA: H-1		DATE: 1-26-89
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth	Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger			PAGE 2 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
--25			Red/brown mottled, gray CLAY, crumbly, slickenside, dry	0		No odor
--30			Silty CLAY, wet, soft			Wet at 30'
--35			Silt lenses			
--40	MW6-40		SAME			MW6-40 Retain for analysis
--45			T.D. 42'			
--50						

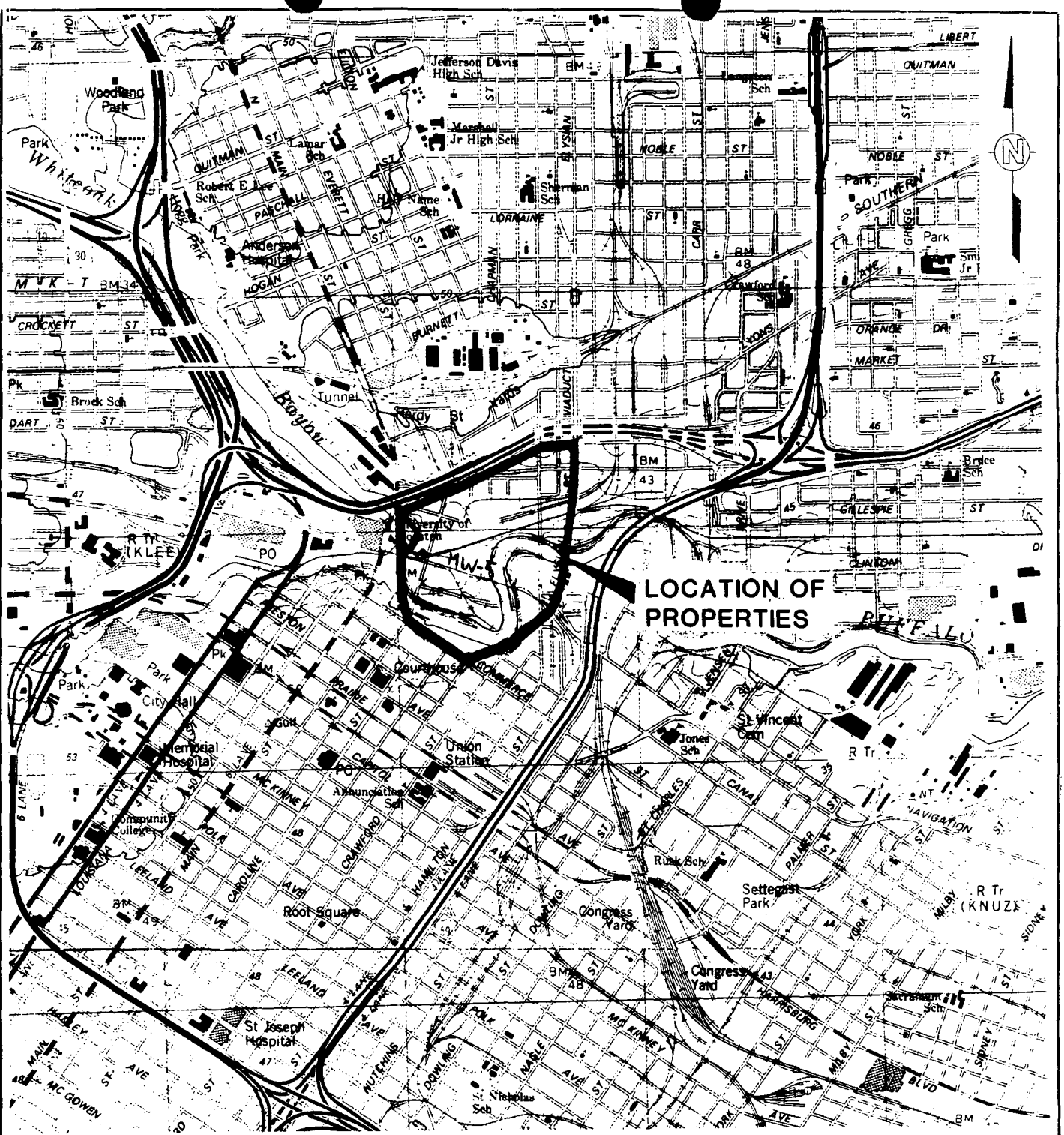
NOTES:

T.D. 42'.
Wet @ 30'.
Slight odor at surface only.

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

RECEIVED
MAR 29 1989
TEXAS WATER COMMISSION

RGM/421404-BL(12)



2000 0 2000 FT

SCALE

REFERENCE: U.S.G.S. 7.5 MINUTE QUADRANGLE
SETTEGAST, TEXAS 1982

RECEIVED
MAR 2 1990
TEXAS WATER COMMISSION

FIGURE 1

LOCATION MAP
BUFFALO BAYOU SITE
HOUSTON, TEXAS

PREPARED FOR

SOUTHERN PACIFIC TRANSPORTATION CO.
SAN FRANCISCO, CALIFORNIA

IT

DRAWING NUMBER	421404.01-A6
CHECKED BY	
APPROVED BY	
DRS	2-27-89
DRAWN BY	

SPBB1

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 42-1404-01	PROJECT NAME: Southern Pacific - Houston Sites		
BORING NUMBER: MW-5	AREA: H-4		DATE: 1-26-89
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth	Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger			PAGE 1 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
0	MW5-0		Asphalt Gravel, cobbles, rubble, dark brown sand	0		No odor MW5-0 Retain for analysis
5			Tan SAND, fine grained, dry, loose		C	
10			Light gray mottled orange silty CLAY, soft			
15			a/a dry, no odor		B	
					S	
20	MW5-20		Red/brown CLAY, firm, mottled gray			MW5-20 Retain for analysis
25						

NOTES:

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

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RGM/421404-BL(9)

TEXAS WATER COMMISSION

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 421404-01	PROJECT NAME: Southern Pacific - Houston Sites	
BORING NUMBER: MW-5	AREA: H-4	DATE: 1-26-89
ELEVATION:	GWL: Depth Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger		PAGE 2 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
25			Mottled green/gray, crumbly, slickensides	0		No odor
30			Silty CLAY, soft, wet			Wet at 30'
35			Silty CLAY, no odor			
40	MW5 40		SAME T.D. 40'			Retain for analysis
45						
50						

NOTES:

T.D. 40'.
Wet @ 30'.
No odor.

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

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TEXAS WATER COMMISSION

RGM/4210404-BL(10)

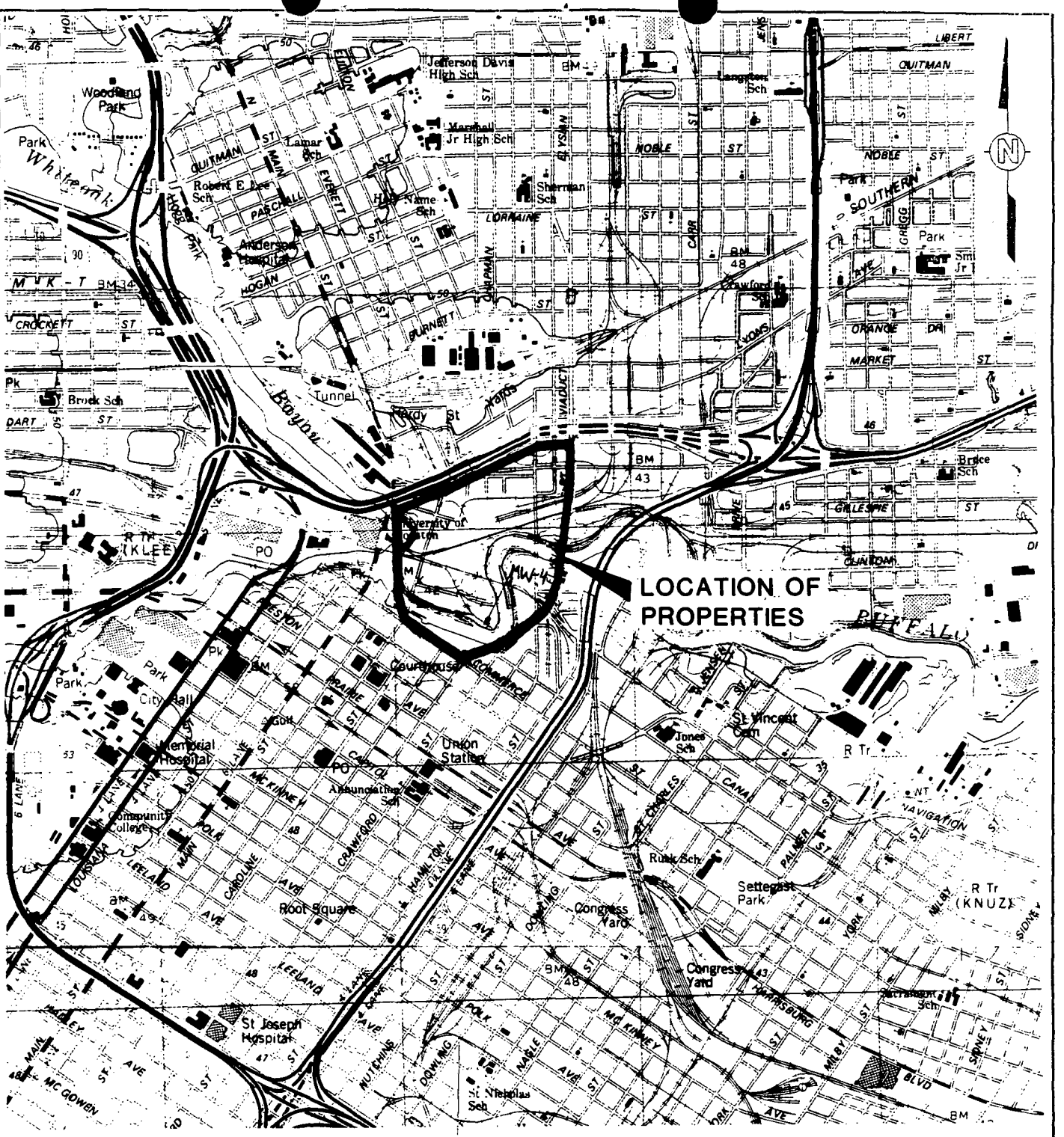

FIGURE 1

LOCATION MAP
BUFFALO BAYOU SITE
HOUSTON, TEXAS

PREPARED FOR

SOUTHERN PACIFIC TRANSPORTATION CO.
SAN FRANCISCO, CALIFORNIA

REFERENCE: U.S.G.S. 7.5 MINUTE QUADRANGLE
SETTEGAST, TEXAS 1982

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TEXAS WATER COMMISSIO

IT

DRAWING NUMBER 421404.01-A6
CHECKED BY
APPROVED BY
DRS 2-27-89
DRAWN BY

SPBB1

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 42-1404-01	PROJECT NAME: Southern Pacific - Houston Sites		
BORING NUMBER: MW-4	AREA: H-6		DATE: 1-26-89
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth	Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger			PAGE 1 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
0	MW4-0		Black cinder gravel gravel, sand, concrete rubble, brown, loose, dry	0		MW4-0 Retain for analysis No odor
			Tan silty SAND, dry, loose		C	
5						
					B	
10			SAND a/a very fine grained, unconsolidated		S	
15			SAME			
20	MW4-20		Red/brown silty SAND, dry, loose, very fine grained			MW4-20 Retain for analysis
25						

NOTES:

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

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RGM/421404-BL(7)

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 421404-01	PROJECT NAME: Southern Pacific - Houston Sites	
BORING NUMBER: MW-4	AREA: H-6	DATE: 1-26-89
ELEVATION:	GWL: Depth Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger		PAGE 2 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
--25			Wet	0		Wet at 25'
--30			SAND, fine grained, no odor			
--35	MW4-35		Silty SAND, gray clay below 34'			MW4-35 Retain for analysis
--40			T.D. 36'			
--45						
--50						

NOTES:

T.D. 36'.
Wet @ 25'.
No odor.

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TEXAS WATER COMMISSION

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

RGM/421404-BL(8)

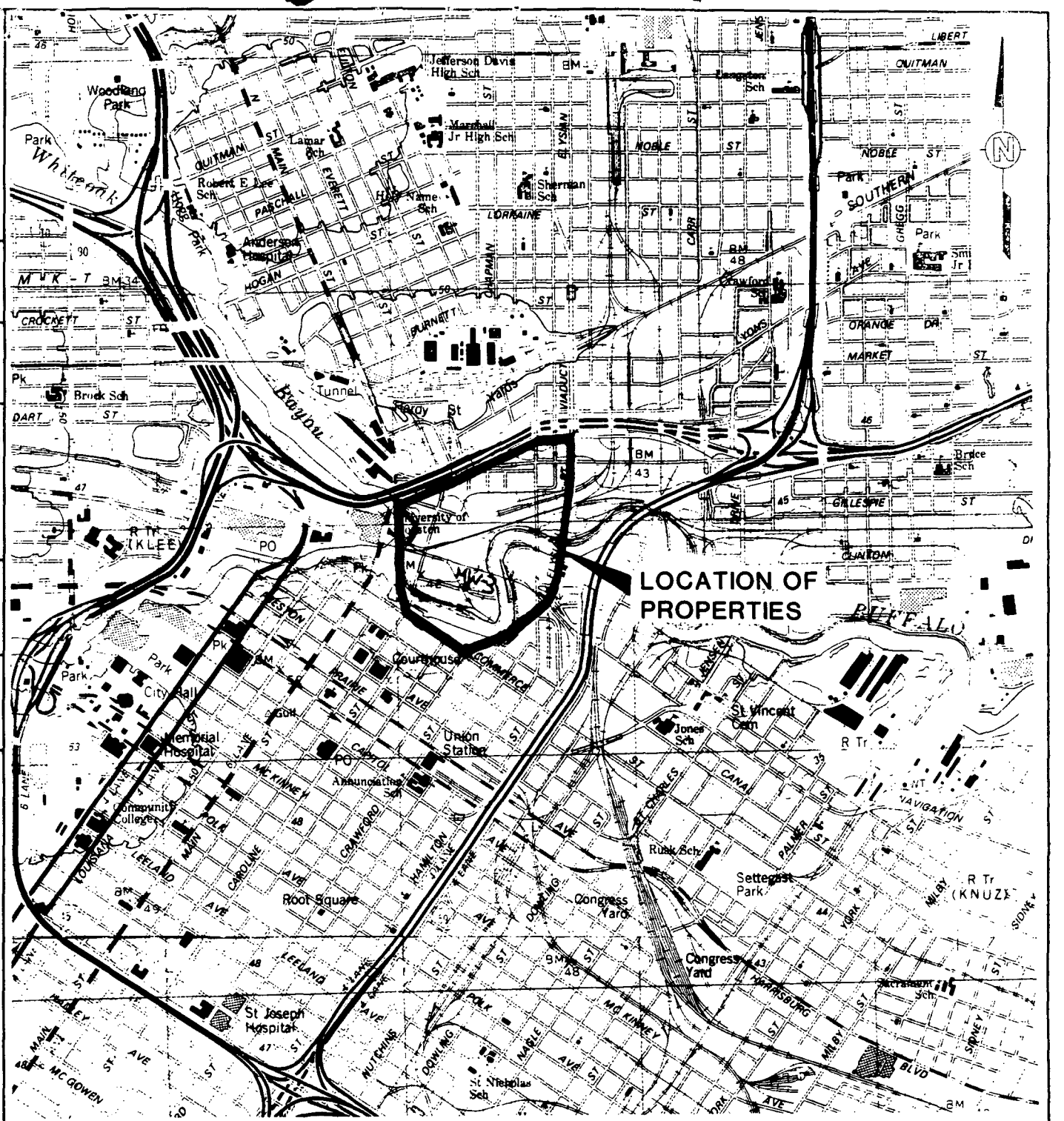

FIGURE 1

LOCATION MAP
BUFFALO BAYOU SITE
HOUSTON, TEXAS

REFERENCE: U.S.G.S. 7.5 MINUTE QUADRANGLE
SETTEGAST, TEXAS 1982

PREPARED FOR

SOUTHERN PACIFIC TRANSPORTATION CO.
SAN FRANCISCO, CALIFORNIA

IT

DRAWING NUMBER	421404.01-A6
CHECKED BY	
APPROVED BY	
DRS	2-27-89
DRAWN BY	

SPBB1

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 42-1404-01	PROJECT NAME: Southern Pacific - Houston Sites		
BORING NUMBER: MW-3	AREA: H-5		DATE: 1-25-89
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth	Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger			PAGE 1 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
0	MW-3 0		Grass, topsoil and weeds, dark gray brown sand, shells	0		No odor Retain for analysis
5			Light gray silty SAND, very fine grained, loose, dry, no odor			
10			Brown silty CLAY, firm			
					B	
15			Light gray, mottled orange CLAY, dry		S	
20	MW3-20		Red brown, mottled green gray, slickensides			Retain for analysis
25						

NOTES:

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

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TEXAS WATER COMMISSION

RGM/421404-BL(5)

VISUAL CLASSIFICATION OF SOILS

PROJECT NUMBER: 421404-01	PROJECT NAME: Southern Pacific - Houston Sites		
BORING NUMBER: MW-3	AREA: H-6		DATE: 1-25-89
ELEVATION:	GWL: Depth	Date/Time	DATE STARTED:
ENGINEER/GEOLOGIST: M. J. Kelly	Depth	Date/Time	DATE COMPLETED:
DRILLING METHOD: Hollow Stem Auger			PAGE 2 OF 2

DEPTH (Ft.)	SAMPLE TYPE & NO	PROFILE	DESCRIPTION	OVA READING PPM	WELL CONSTRUCTION	REMARKS
25			Red brown SILT			No odor
30			Silty CLAY, wet below 30.5 feet			Wet @ 30.5'
35			CLAY, silty, wet			
40			SILT			Retain for analysis
45						
50						

NOTES:

T.D. 40'.
Wet @ 30.5'.
No odor.

C - CEMENT
B - BENTONITE
S - SAND
SCREEN

RECEIVED
MAR 29 1989
TEXAS WATER COMMISSION

RGM/421404-BL(6)

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

STATE OF TEXAS
WATER WELL REPORT

101

1) OWNER: HYDRAULIC EQUIPMENT SERV. ADDRESS: 1021 NORTH SAN JACINTO CITY: HOUSTON STATE: TX ZIP: 77002-1199

2) ADDRESS OF WELL:
County: HARRIS GRID # 65-14-7
Street or RFD: 1021 NORTH SAN JACINTO
City, State, Zip code: HOUSTON , TX 77002-1199

5)

3) TYPE OF WORK: NEW WELL

4) PROPOSED USE: BACKUP TO CITY WATER
If Public Supply well, were plans submitted to the TNRCC?

6) WELL LOG: 01610

DATE DRILLING:
STARTED: 02/15/99
COMPLETED: 02/19/99

DIAMETER OF HOLE

DIAMETER	FROM	TO
7.0	0	440
3.875	440	452

7) DRILLING METHOD: MUD ROTARY

8) BOREHOLE COMPLETION: TWO STRING/K-PACKER
IF GRAVEL... FROM FT. TO FT.
FROM FT. TO FT.

N^

CASING, BLANK PIPE, AND WELL SCREEN DATA:

DIA	NEW/USED	DESCRIPTION	FROM	TO	GAGE CASING SCREEN
4.0	N	P.V.C. SCH.40	0	440	CASING
2.5	N	P.V.C. SCH.40	421	442	LINER
2.5	N	P.V.C. - UNDERBAR	442	452	.006

GEOLOGICAL DESCRIPTION:

FROM	TO	DESCRIPTION
0	2	FILL
2	4	SOIL
4	14	CLAY-WHITE
14	54	CLAY-TAN CLAY-RED SANDSTONE
54	61	SAND-TAN-.006-.008
61	92	CLAY-RED
92	100	SAND-TAN-.006-.008
100	170	CLAY-GRAY
170	182	SAND-WHITE-.014-.020
182	212	CLAY-GRAY
212	230	SAND-WHITE-.006-.008
230	255	CLAY-RED
255	274	SAND-WHITE-.006-.008
274	278	CLAY-GRAY
278	282	SAND-WHITE-.006-.008

9) CEMENTING DATA:
Cemented from 0 FT. TO 440 FT. No. of Sacks Used 56
FT. TO FT.
Method used: PRESSURE-HALIBURTON
Cemented by: AWWS
Distance to septic field lines: N/A ft.
Method of verification of above distance:
CITY SEWER

10) SURFACE COMPLETION:
PITLESS ADAPTER USED

11) WATER LEVEL:
STATIC LEVEL : 205 FT. DATE: 02/17/99
ARTESIAN FLOW: GPM. DATE:

12) PACKERS:

TYPE	DEPTH
K-PACKER	421
K-PACKER	422

13) TYPE PUMP:
SUBMERSIBLE
DEPTH TO PUMP: 260

14) WELL TEST:
JETTED
YIELD: 30 GPM WITH FT DRAWDOWN AFTER HRS

15) WATER QUALITY:
TYPE OF WATER: GOOD DEPTH OF STRATA: 452 NO CHEMICAL ANALYSIS MADE
NO STRATA OF UNDESIRABLE WATER PENETRATED

COMPANY NAME: ALMEDA WATER WELL SERVICE WATER WELL DRILLER'S LICENSE NO.: 843, 2350, 2843
ADDRESS: P.O. BOX 266 CITY: MANVEL STATE: TX ZIP CODE: 77578

FOR TWC USE ONLY
WELL NO. _____
LOCATED ON MAP _____

I HEREBY CERTIFY THAT THIS WELL WAS DRILLED BY ME (OR UNDER MY SUPERVISION) AND THAT EACH AND ALL OF THE STATEMENTS HEREIN ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I UNDERSTAND THAT FAILURE TO COMPLETE ITEMS 1 THRU 15 WILL RESULT IN THE LOG(S) BEING RETURNED FOR COMPLETION AND RESUBMITTAL.

(signed) Carl Lofton (LICENSED WATER WELL DRILLER)

(signed) _____ (REGISTERED DRILLER TRAINEE)

FILE ID | SEQ #
EMP # | SEP 14 1999 | DECC CO
COMMENT

STATE OF TEXAS WATER WELL REPORT (PAGE 2)

OWNER: HYDRAULIC EQUIPMENT SERV. ADDRESS: 1021 NORTH SAN JACINTO CITY: HOUSTON STATE: TX ZIP: 77002-1199

282	318	CLAY-RED
318	340	SAND-WHITE-.010-.012
340	440	CLAY-RED CLAY-BLUE
440	452	SAND-WHITE-.006-.008 SAND-WHITE-.010-.012

FILE ID
SEQ 0
EMP 0
SEP 14 1999
DESC CO
COMMENT

DUP

Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-14-7J
Located on map YES
Received: TH

1) OWNER ~~Harris-Galveston Coastal~~ Subsidence District (Name) Address P. O. Box 58847 (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

2) LOCATION OF WELL:
County Harris, 5 miles in N.E. (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☐ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☒ Test Well ☐ Other _____

5) DRILLING METHOD (Check):
☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) WELL LOG:
#3
Date drilled 2-15-80

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
7-7/8	Surface	1033

From (ft.)	To (ft.)	Description and color of formation material
See Attached		

7) BOREHOLE COMPLETION:
☐ Open Hole ☒ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4½	N	Steel	+2	1013	.237
2½	N	Steel	1003	1018	
2½	N	SST Screen	1018	1028	
2½	N	Steel	1028	1033	

CEMENTING DATA
Cemented from 0 ft. to 1013 ft.
Method used Pressure
Cemented by Halliburton (Company or Individual)

9) WATER LEVEL:
Static level _____ ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

10) PACKERS: Type Lead Depth 1003

11) TYPE PUMP:
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

12) WELL TESTS:
☐ Type Test: ☐ Pump ☐ Bailer ☒ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

(Use reverse side if necessary)

13) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 309

ADDRESS 5931 Brittmoore (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

(Signed) James O'Connor (Water Well Driller) LAYNE-WESTERN COMPANY, INC. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

K.R.

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Department of Water Resources are concerned that some persons having water wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

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Send original copy by certified mail to the
Texas Department of Water Resources
P. O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

For TDWR use only
Well No. 65-14-7J
Located on map YES
Received: TH

1) **OWNER** Harris-Galveston Coastal Subsidence District (Name) **Address** P. O. Box 58847 (Street or RFD) Houston, Texas (City) (State) 77058 (Zip)

2) **LOCATION OF WELL:** County Harris, 5 miles in N.E. (N.E., S.W., etc.) direction from Houston (Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ **Legal description:**
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ **See attached map.**

3) **TYPE OF WORK** (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE** (Check): ☐ Domestic ☐ Industrial ☐ Public Supply ☐ Irrigation ☒ Test Well ☐ Other _____

5) **DRILLING METHOD** (Check): ☒ Mud Rotary ☐ Air Hammer ☐ Driven ☐ Bored ☐ Air Rotary ☐ Cable Tool ☐ Jetted ☐ Other _____

6) **WELL LOG:** #4
Date drilled 2-29-80

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
7-7/8	Surface	487

From (ft.)	To (ft.)	Description and color of formation material
		See Attached

7) **BOREHOLE COMPLETION:** ☐ Open Hole ☒ Straight Wall ☐ Underreamed ☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4½	N	Steel	+2	467	.237
2½	N	Steel	457	472	
2½	N	SST Screen	472	482	
2½	N	Steel	482	487	

CEMENTING DATA
Cemented from 0 ft. to 467 ft.
Method used Pressure
Cemented by Halliburton (Company or Individual)

9) **WATER LEVEL:**
Static level _____ ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

10) **PACKERS:** Type Lead Depth 457

11) **TYPE PUMP:** ☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

12) **WELL TESTS:** ☐ Type Test: ☐ Pump ☐ Bailer ☒ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

(Use reverse side if necessary)

13) **WATER QUALITY:**
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☒ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☒ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief.

NAME James O'Connor (Type or Print) Water Well Drillers Registration No. 999

ADDRESS 5931 Brittmoore (Street or RFD) Houston (City) Texas (State) 77041 (Zip)

(Signed) James O'Connor (Water Well Driller) LAYNE-WESTERN COMPANY, INC. (Company Name)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TDWR-0392 (Rev. 1-12-79)

DEPARTMENT OF WATER RESOURCES COPY

K. R.

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

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> "Every registered water well driller drilling, deepening, or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within sixty (60) days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential. Please note that the term "Commission" in the above-quoted section and elsewhere in the Water Well Drillers Act now properly means the Texas Department of Water Resources (P. O. Box 13087; Austin, Texas 78711).

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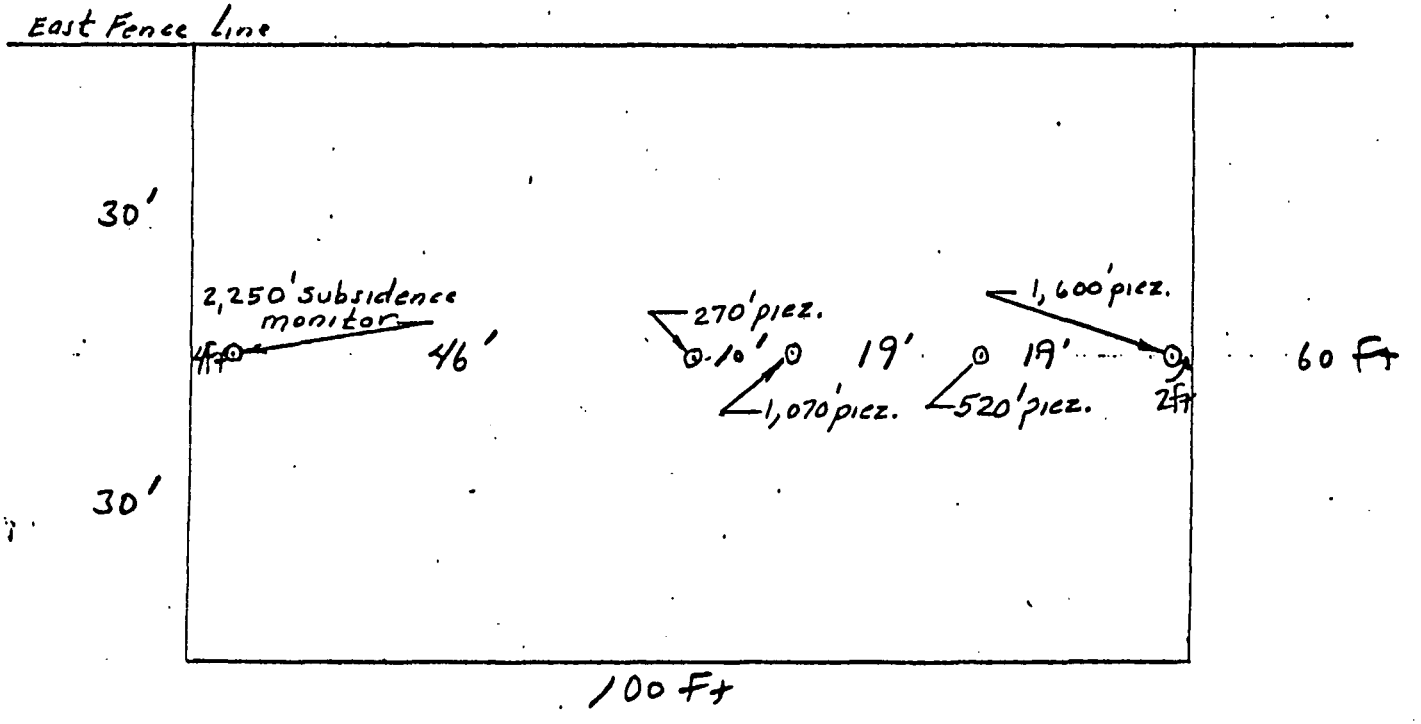
EXHIBIT C

SUBSIDENCE MONITOR/PIEZOMETERS
WELL SYSTEM CONSTRUCTION SITE

NORTHEAST

The construction site is located adjacent to the easterly boundary of the City of Houston Northeast Well Field Plant Yard; said Plant Yard being a tract of land located in the J. S. Collins Survey, Abstract 15, bounded on the north side by Brill Street, on the east side by Tuffly Park, and on the west side by Linn Street.



Northeast site

Layout of piezometers and subsidence monitor

scale: 1" = 20 feet

Layne-Western Company, Inc. A Marley Company

P.O. Box 79009 · Houston, Texas 77079 · 713/466-5001

L O G -- WELL #4 NORTHEAST PLANT SITE

0	3	Top Soil
3	15	Clay
15	20	Sand
20	35	Clay
35	40	Sand
40	130	Clay
130	140	Sand
140	169	Clay
169	175	Sand
175	180	Clay
180	243	Sand
243	270	Clay
270	301	Sand
301	360	Clay
360	379	Sand
379	385	Clay
385	401	Sand
401	415	Clay
415	430	Sand
430	445	Clay
445	488	Sand
488	490	Clay

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WATER RESOURCES

HOUSTON
WEST UNIVERSITY PLACE
HERMANN PARK
SOUTHERN PACIFIC
HOUSTON BELT & TERMINAL RAILWAY

Layne-Western Company, Inc. A Marley Company

P.O. Box 79009 · Houston, Texas 77079 · 713/466-5001

L O G - WELL #3 NORTHEAST PLANT SITE

0	3	Top Soil
3	60	Clay
60	80	Sand
80	100	Clay
100	140	Sand
140	170	Clay
170	175	Sand
175	182	Clay
182	245	Sand
245	270	Clay
270	300	Sand
300	360	Clay
360	380	Sand
380	385	Clay
385	400	Sand
400	415	Clay
415	430	Sand
430	445	Clay
445	490	Sand
490	530	Clay
530	540	Sand
540	575	Clay
575	600	Sand
600	620	Clay
620	660	Sand
660	715	Clay
715	730	Sand
730	775	Clay
775	780	Sand
780	815	Clay
815	850	Sand
850	895	Clay
895	910	Sand
910	935	Clay
935	970	Sand
970	1009	Clay
1009	1036	Sand

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WATER RESOURCES

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NOV 20 1980

Send original copy by certified mail to: Texas Water Co[illegible]on, P.O. Box 13087, Austin, Texas 78711

Please use black ink.

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

State of Texas WELL REPORT

Texas Water Well Drillers Board
P.O. Box 13087
Austin, Texas 78711

1) **OWNER** Houston Chronicle (Name) **ADDRESS** Entrix 515 Post Oak Blvd., Ste.400 Houston, TX 77027 (Street or RFD) (City) (State) (Zip)

2) **LOCATION OF WELL:** County Harris, 0 miles in Downtown (NE, SW, etc.) direction from Houston (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ **LEGAL DESCRIPTION:**
Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ **SEE ATTACHED MAP** 95115 MW-A Prairie Street

3) **TYPE OF WORK (Check):** ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE (Check):** ☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ De-Watering

5) **DRILLING METHOD (Check):** ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☒ Other Auger

6) **WELL LOG:**
Date Drilling: Started 4/29/ 19 89 Completed 4/29 19 89

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
10.25	Surface	52

7) **BOREHOLE COMPLETION:** ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 49 ft. to 37 ft.

From (ft.)	To (ft.)	Description and color of formation material
0	6	Fill
6	35	Red, grey and tan silty clay
35	52	Red, fine silty sand - w/groundwater @ 40.5'

(Use reverse side if necessary)

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casting Screen
4	New	PVC Screen	49	39	0.020
4	New	PVC Riser	39	1 to.5	

9) **CEMENTING DATA** [Rule 287.44(1)]
Cemented from 34 ft. to 1 to.5 ft. No. of Sacks Used _____
_____ ft. to _____ ft. No. of Sacks Used _____
Method used Trimmied
Cemented by D. Smith

10) **SURFACE COMPLETION**
☐ Specified Surface Slab Installed [Rule 287.44(2)(A)]
☐ Pitless Adapter Used [Rule 287.44(3)(B)]
☒ Approved Alternative Procedure Used [Rule 287.44] 287.44(1)

11) **WATER LEVEL:**
Static level n/a ft. below land surface Date _____
Artesian flow _____ gpm. Date _____

12) **PACKERS:**

Type	Depth
Bentonite Pellets 1/2"	37 - 34 ft.

13) **TYPE PUMP:** N/A ☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) **WELL TESTS:** n/a
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

15) **WATER QUALITY:** n/a
Did the drilling penetrate any strata which contained undesirable constituents?
☐ Yes ☐ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Professional Service Industries (Type or print) **WELL DRILLER'S LICENSE NO.** 02834 W

ADDRESS 1714 Memorial Drive (Street or RFD) Houston (City) Texas (State) 77007 (Zip)

(Signed) Frank Smith (Licensed Well Driller) (Signed) Dennis Smith (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only: Well No. 65-14-7 Located on map _____

WWD-012 (Rev. 09/21/88)

TEXAS WATER COMMISSION COPY

Please use black ink.
Send original copy by certified mail to the
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Continental Coffee Products Company c/o HLA (Name) Address 6220 Westpark, Suite 100 (Street or RFD) Houston (City) Texas (State) 77057 (Zip)

2) LOCATION OF WELL:
county Harris County _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)
Site #1 235 N. Norwood & NAVIGATION Blvd. in Houston, Texas

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

☒ See attached map.

3) TYPE OF WORK (Check): ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check): ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☒ Bored ☐ Air Rotary ☐ Cable Tool ☐ Other _____

6) WELL LOG:
Date Drilling:
Started 10/19 1988
Completed 10/19 1988

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
6.5"	Surface	24.5

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
☒ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 17.5 ft. to 24.5 ft.

From (ft.)	To (ft.)	Description and color of formation material
0	2.5	Dark gray clay + Shell mixture, dry
2.5	5.0	DARK Gray Clay (CH)
5	9.0	TAN + LIGHT GRAY CLAY (CH)
9.0	13.5	TAN, LIGHT GRAY + REDDISH-BROWN CLAY (CH)
13.5	21.0	TAN + LIGHT GRAY CLAYEY SAND (SC)
21.0	23.5	TAN, Light gray + Reddish-brown Clayey SAND (SC)
23.5	24.5	REddish-BROWN + TAN CLAY (CH)

NOTES: ① C.C.I. has installed 12 monitoring wells at this job site. MW #'s 1-12.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	Sch 40 PVC PIPE	0	19'	—
4	N	Sch40 PVC Screen	19	24.5	.040

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 17 ft. No. of Sacks Used _____
Bentonite Pellets 17 ft. to 18 ft. No. of Sacks Used _____
Method used _____
Cemented by C.C.I.

10) SURFACE COMPLETION
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

Please use black ink
Send original copy by certified mail to the
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER AES (Name) Address 8323 SW FWY, Suite 710 (Street or RFD) Hou. (City) Tx. (State) 77074 (Zip)

2) LOCATION OF WELL: County Harris ____ miles in ____ (N.E., S.W., etc.) direction from NE CORNER OF MEMORIAL DR. & WYCLIFFE (Town) in Houston Texas

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. ____ Block No. ____ Township ____
Abstract No. ____ Survey Name ____
Distance and direction from two intersecting section or survey lines ____
☑ See attached map.

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☑ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other ____

5) DRILLING METHOD (Check): ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☑ Bored ☐ Air Rotary ☐ Cable Tool ☐ Other ____

6) WELL LOG:
Date Drilling: Started 8-24 1987 Completed 8-24 1987

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
6.5	Surface	28

From (ft.)	To (ft.)	Description and color of formation material
0	1	Pavement
1	18'	Silty sandy clay, Gray & Yellowish Brown
18	28'	Gray Sat. Clayey Sand

7) BOREHOLE COMPLETION: ☐ Open Hole ☑ Straight Wall ☐ Underreamed ☑ Gravel Packed ☐ Other ____
If Gravel Packed give interval . . . from 2 ft. to 28 ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
2	N	Sch 40 Screen	5	25	20
2	N	" Pipe	0	5	—

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 1 ft. No. of Sacks Used 1/2
Bentonite 1 ft. to 2 ft. No. of Sacks Used 1/2
Method used GRAVITY
Cemented by CCI

10) SURFACE COMPLETION 12" ϕ manhole
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☑ Approved Alternative Procedure Used [Rule 319.71]

CCI installed 4 Wells @ this Location MW-1,2,3,4

11) WATER LEVEL:
Static level 22 ft. below land surface Date 8/24/87
Artesian flow ____ gpm. Date ____

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JAN 4 1988
TEXAS WATER COMMISSION

12) PACKERS: Type ____ Depth ____

(Use reverse side if necessary)

13) TYPE PUMP: ☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other ____
Depth to pump bowls, cylinder, jet, etc., ____ ft.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☑ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? ____ Depth of strata ____
Was a chemical analysis made? ☐ Yes ☐ No

14) WELL TESTS:
Type Test: ☐ Pump ☑ Bailer ☐ Jetted ☐ Estimated
Yield: ____ gpm with ____ ft. drawdown after ____ hrs.

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Custom Coring Inc (Type or Print) Water Well Driller's License No. 2669-DM

ADDRESS 10314 Chevy Chase (Street or RFD) Hou. (City) Tx. (State) 77042 (Zip)

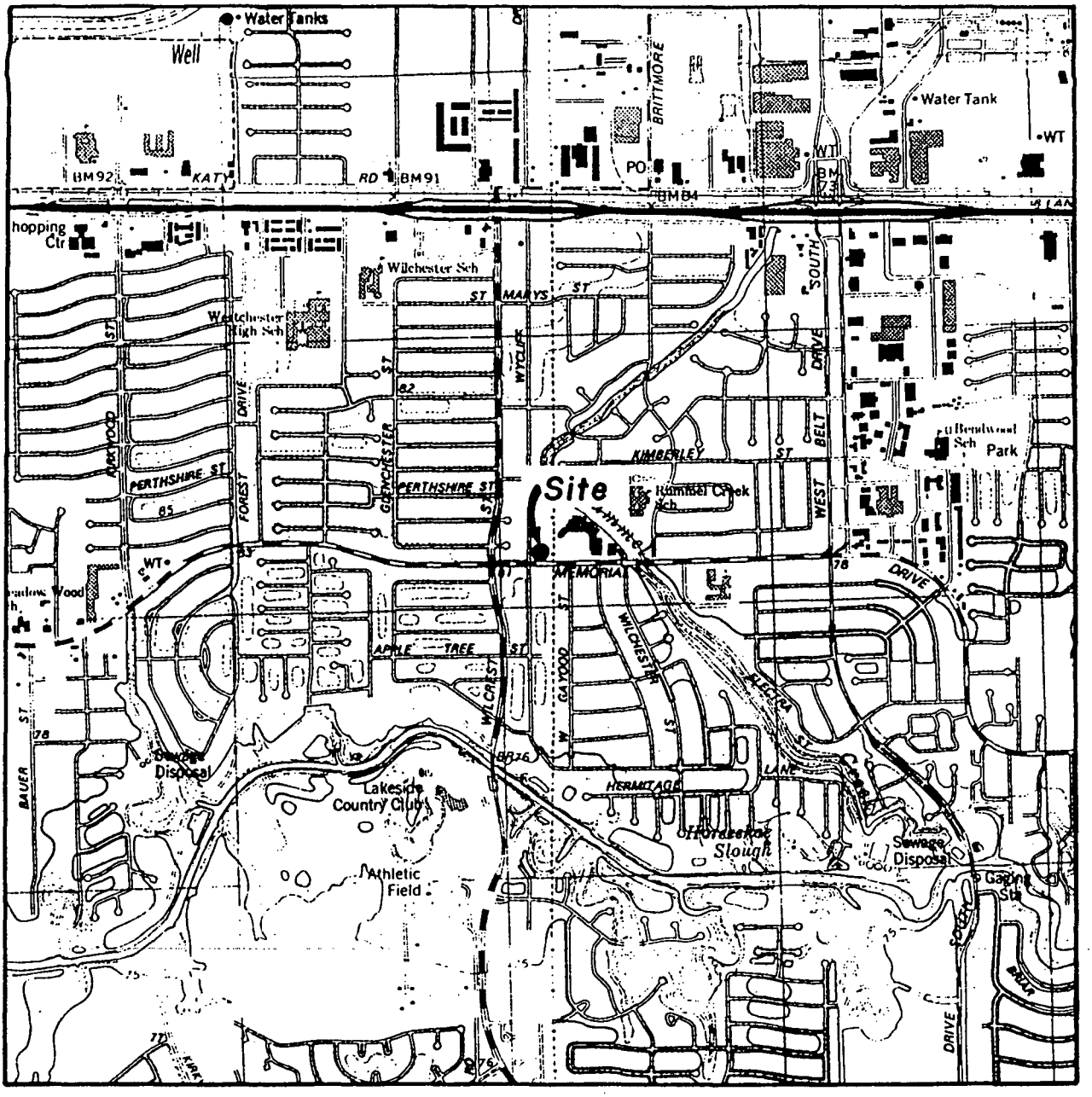
Signed) Scott Wolf by MA (Licensed Water Well Driller) (Signed) ____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65/14.7
Located on map ____

192 (Rev. 06-10-85)

TEXAS WATER COMMISSION COPY

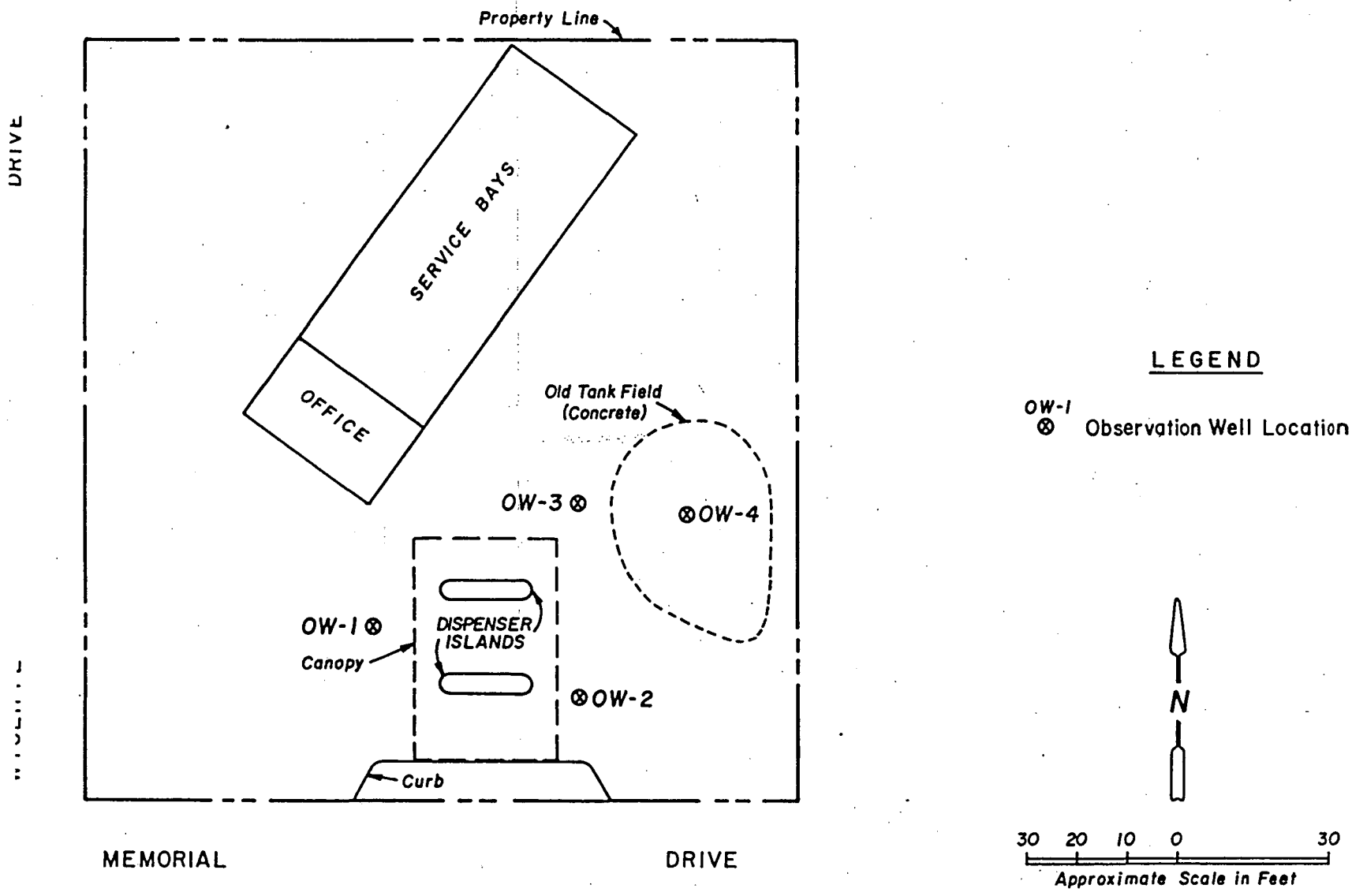


Source: USGS Topographic Map
Hedwig Village, Texas Quadrangle (1982)

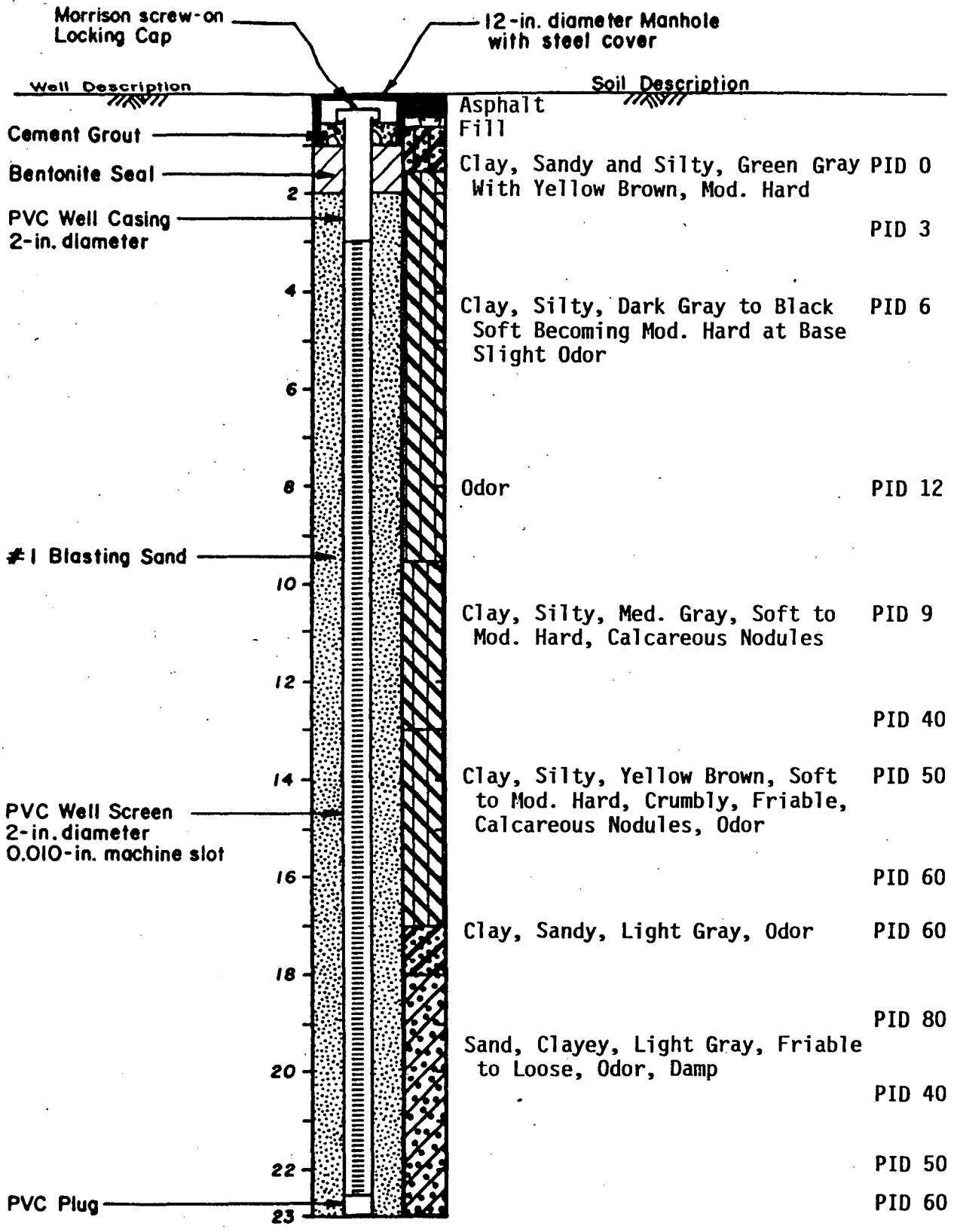
N

2000 0 2000

Scale in Feet



Applied Earth Sciences	NAME		FIGURE
No. 5-037 MADE BY: R.G. DATE: 8-21-87 CHECKED BY: DATE:	MOBIL OIL CORPORATION Station SS 12-K7A Houston, Texas	STATION LAYOUT	3


Morrison screw-on Locking Cap
12-in. diameter Manhole with steel cover
Well Description
Soil Description
Cement Grout
Bentonite Seal
PVC Well Casing 2-in. diameter
#1 Blasting Sand
PVC Well Screen 2-in. diameter 0.010-in. machine slot
PVC Plug
2
4
6
8
10
12
14
16
18
20
22
23
Asphalt
Fill
Clay, Sandy and Silty, Green Gray With Yellow Brown, Mod. Hard
PID 0
PID 3
Clay, Silty, Dark Gray to Black Soft Becoming Mod. Hard at Base Slight Odor
PID 6
Odor
PID 12
Clay, Silty, Med. Gray, Soft to Mod. Hard, Calcareous Nodules
PID 9
PID 40
Clay, Silty, Yellow Brown, Soft to Mod. Hard, Crumbly, Friable, Calcareous Nodules, Odor
PID 50
PID 60
Clay, Sandy, Light Gray, Odor
PID 60
PID 80
Sand, Clayey, Light Gray, Friable to Loose, Odor, Damp
PID 40
PID 50
PID 60

Send original copy by certified mail to: Texas Water Com[illegible]on, P.O. Box 13087, Austin, Texas 78711

Please use black ink.

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

State of Texas WELL REPORT

Texas Water Well Drillers Board
P.O. Box 13087
Austin, Texas 78711

1) **OWNER** Houston Chronicle (Name) **ADDRESS** Entrix 515 Post Oak Blvd.,Ste.400 Houston, TX 77027 (Street or RFD) (City) (State) (Zip)

2) **LOCATION OF WELL:** County Harris, 0 miles in Downtown (NE, SW, etc.) direction from Houston (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ **LEGAL DESCRIPTION:**

Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____

Distance and direction from two intersecting section or survey lines _____

☒ **SEE ATTACHED MAP** 95115 MW-A Prairie Street

3) **TYPE OF WORK (Check):** ☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) **PROPOSED USE (Check):** ☐ Domestic ☐ Industrial ☒ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ De-Watering

5) **DRILLING METHOD (Check):** ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☐ Air Rotary ☐ Cable Tool ☒ Other Auger

6) **WELL LOG:**

Date Drilling: Started 4/29/ 19 89 Completed 4/29 19 89

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
10.25	Surface	52

7) **BOREHOLE COMPLETION:** ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☒ Gravel Packed ☐ Other _____

If Gravel Packed give interval . . . from 49 ft. to 37 ft.

From (ft.)	To (ft.)	Description and color of formation material
0	6	Fill
6	35	Red, grey and tan silty clay
35	52	Red, fine silty sand - w/groundwater @ 40.5'

(Use reverse side if necessary)

8) **CASING, BLANK PIPE, AND WELL SCREEN DATA:**

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casting Screen
4	New	PVC Screen	49	39	0.020
4	New	PVC Riser	39	1 to.5	

9) **CEMENTING DATA** [Rule 287.44(1)]

Cemented from 34 ft. to 1 to.5 ft. No. of Sacks Used _____

_____ ft. to _____ ft. No. of Sacks Used _____

Method used Trimmied

Cemented by D. Smith

10) **SURFACE COMPLETION**

☐ Specified Surface Slab Installed [Rule 287.44(2)(A)]

☐ Pitless Adapter Used [Rule 287.44(3)(B)]

☒ Approved Alternative Procedure Used [Rule 287.7] 287.44(1)

11) **WATER LEVEL:**

Static level n/a ft. below land surface Date _____

Artesian flow _____ gpm. Date _____

12) **PACKERS:**

Type	Depth
Bentonite Pellets 1/2"	37 - 34 ft.

13) **TYPE PUMP:** N/A ☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other _____

Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) **WELL TESTS:** n/a

Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated

Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

15) **WATER QUALITY:** n/a

Did the drilling penetrate any strata which contained undesirable constituents?

☐ Yes ☐ No If yes, submit "REPORT OF UNDESIRABLE WATER"

Type of water? _____ Depth of strata _____

Was a chemical analysis made? ☐ Yes ☐ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Professional Service Industries (Type or print) **WELL DRILLER'S LICENSE NO.** 02834 W

ADDRESS 1714 Memorial Drive (Street or RFD) Houston (City) Texas (State) 77007 (Zip)

(Signed) Frank Smith (Licensed Well Driller) (Signed) Dennis Smith (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only: Well No. 65-14-7 Located on map _____

WWD-012 (Rev. 09/21/88)

TEXAS WATER COMMISSION COPY

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING PRIVILEGE OF CONFIDENTIALITY

The Water Well Drillers Board and the Texas Water Commission are concerned that some persons having wells drilled may not be aware of the confidentiality privilege provision of Section 5 of the Water Well Drillers Act. Section 5, the Reporting of Well Logs, reads as follows:

> "Every licensed water well driller drilling, deepening or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within 60 days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. Each copy of a well log, other than a Commission copy, shall include the name, mailing address, and telephone number of the Board and the Commission. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential.

From (ft.)	To (ft.)	Description and color of formation material

Please use black ink.
Send original copy by certified mail to the
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER Continental Coffee Products Company c/o HLA (Name) Address 6220 Westpark, Suite 100 (Street or RFD) Houston (City) Texas (State) 77057 (Zip)

2) LOCATION OF WELL:
County Harris County _____ miles in _____ (N.E., S.W., etc.) direction from _____ (Town)
Site #1 235 N. Norwood & NAVIGATION Blvd. in Houston, Texas

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

✱ See attached map.

3) TYPE OF WORK (Check): ✱New Well ☐Deepening ☐Reconditioning ☐Plugging

4) PROPOSED USE (Check): ☐Domestic ☐Industrial ✱Monitor ☐Public Supply ☐Irrigation ☐Test Well ☐Injection ☐Other _____

5) DRILLING METHOD (Check): ☐Driven ☐Mud Rotary ☐Air Hammer ☐Jetted ✱Bored ☐Air Rotary ☐Cable Tool ☐Other _____

6) WELL LOG:
Date Drilling:
Started 10/19 1988
Completed 10/19 1988

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
6.5"	Surface	24.5

7) BOREHOLE COMPLETION:
☐ Open Hole ☐ Straight Wall ☐ Underreamed
✱Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 17.5 ft. to 24.5 ft.

From (ft.)	To (ft.)	Description and color of formation material
0	2.5	Dark gray clay + Shell mixture dry
2.5	5.0	DARK Gray Clay (CH)
5	9.0	TAN + LIGHT GRAY CLAY (CH)
9.0	13.5	TAN, LIGHT GRAY + REDDISH-BROWN CLAY (CH)
13.5	21.0	TAN + LIGHT GRAY CLAYEY SAND (SC)
21.0	23.5	TAN, Light gray + Reddish-brown Clayey SAND (SC)
23.5	24.5	REddish-BROWN + TAN CLAY (CH)

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
4	N	Sch 40 PVC PIPE	0	19'	—
4	N	Sch40 PVC Screen	19	24.5	.040

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 17 ft. No. of Sacks Used _____
Bentonite Pellets 17 ft. to 18 ft. No. of Sacks Used _____
Method used _____
Cemented by C.C.I.

10) SURFACE COMPLETION
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☐ Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 22' ft. below land surface Date 10/19/88 of drilling
Artesian flow _____ gpm. Date _____

12) PACKERS: Type N/A Depth

13) TYPE PUMP: N/A
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

14) WELL TESTS: N/A
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

NOTES: ① C.C.I. has installed 12 monitoring wells at this job site. MW #'s 1-12.

② Monitoring Well #7 was used for discription, please see attached borings logs for more information and see attached map for location of site and monitoring wells location as well.

RECEIVED MAR 30 1989 TEXAS WATER COMMISSION

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ✱No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Custom Boring, Inc. (Type or Print) Water Well Driller's License No. 2769MD

ADDRESS 2032 Karbach (Street or RFD) Houston (City) Texas (State) 77092 (Zip)

(Signed) Scott Wolf by MA (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65 14-7
Located on map _____

WWD-012 (Rev.01-28-87) TEXAS WATER COMMISSION COPY

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> "Every licensed water well driller drilling, deepening or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within 30 days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. Each copy of a well log, other than a Commission copy, shall include the name, mailing address, and telephone number of the Board and the Commission. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

The last sentence specifies the means whereby you can, if you wish, assure that logs of your wells will be kept confidential.

Please use black ink.
Send original copy by certified mail to the
Texas Water Commission
P.O. Box 13087
Austin, Texas 78711

State of Texas
WATER WELL REPORT

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

1) OWNER AES (Name) Address 8323 SW FWY, Suite 710 Hou. Tx. 77074 (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: County Harris, NE CORNER OF MEMORIAL DR. & WYCLIFFE miles in (N.E., S.W., etc.) direction from (Town) in Houston Texas

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ Legal description:
Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
☑ See attached map.

3) TYPE OF WORK (Check): ☑ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☐ Domestic ☐ Industrial ☑ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ Other _____

5) DRILLING METHOD (Check): ☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☑ Bored ☐ Air Rotary ☐ Cable Tool ☐ Other _____

6) WELL LOG:
Date Drilling: Started 8-24 1987 Completed 8-24 1987

DIAMETER OF HOLE Dia. (in.)	From (ft.)	To (ft.)
6.5	Surface	28

From (ft.)	To (ft.)	Description and color of formation material
0	1	Pavement
1	18'	Silty sandy clay, Gray & Yellowish Brown
18	28'	Gray Sat. Clayey Sand

7) BOREHOLE COMPLETION: ☐ Open Hole ☑ Straight Wall ☐ Underreamed ☑ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from 2 ft. to 28 ft.

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mgf., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
2	N	Sch 40 Screen	5	25	20
2	N	" Pipe	0	5	—

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 0 ft. to 1 ft. No. of Sacks Used 1/2
Bentonite 1 ft. to 2 ft. No. of Sacks Used 1/2
Method used GRAVITY
Cemented by CEI

10) SURFACE COMPLETION 12" ϕ Manhole
☐ Specified Surface Slab Installed [Rule 319.44(c)]
☐ Pitless Adapter Used [Rule 319.44(d)]
☑ Approved Alternative Procedure Used [Rule 319.71]

CEI installed 4 Wells @ this Location MW-1,2,3,4

11) WATER LEVEL:
Static level 22 ft. below land surface Date 8/24/87
Artesian flow _____ gpm. Date _____

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JAN 4 1988
TEXAS WATER COMMISSION

12) PACKERS: Type Depth

13) TYPE PUMP: ☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., _____ ft.

(Use reverse side if necessary)

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? ☐ Yes ☑ No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? ☐ Yes ☐ No

14) WELL TESTS:
Type Test: ☐ Pump ☑ Bailer ☐ Jetted ☐ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Custom Coring Inc (Type or Print) Water Well Driller's License No. 2669-DM

ADDRESS 10314 Cherry Chase (Street or RFD) Hou. (City) Tx. (State) 77042 (Zip)

(Signed) Scott Wolf by MA (Licensed Water Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only
Well No. 65/14-7
Located on map _____

TWC-0392 (Rev. 06-10-85)

TEXAS WATER COMMISSION COPY

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> "Every licensed water well driller drilling, deepening or otherwise altering a water well within this State shall make and keep, or cause to be made and kept, a legible and accurate well log, and within 30 days from the completion or cessation of drilling, deepening or otherwise altering such a water well, shall deliver or transmit by certified mail a copy of such well log to the Commission, and the owner thereof or the person having had such well drilled. Each copy of a well log, other than a Commission copy, shall include the name, mailing address, and telephone number of the Board and the Commission. The well log required herein shall at the request in writing to the Commission, by certified mail, by the owner or the person having such well drilled be held as confidential matter and not made of public record."

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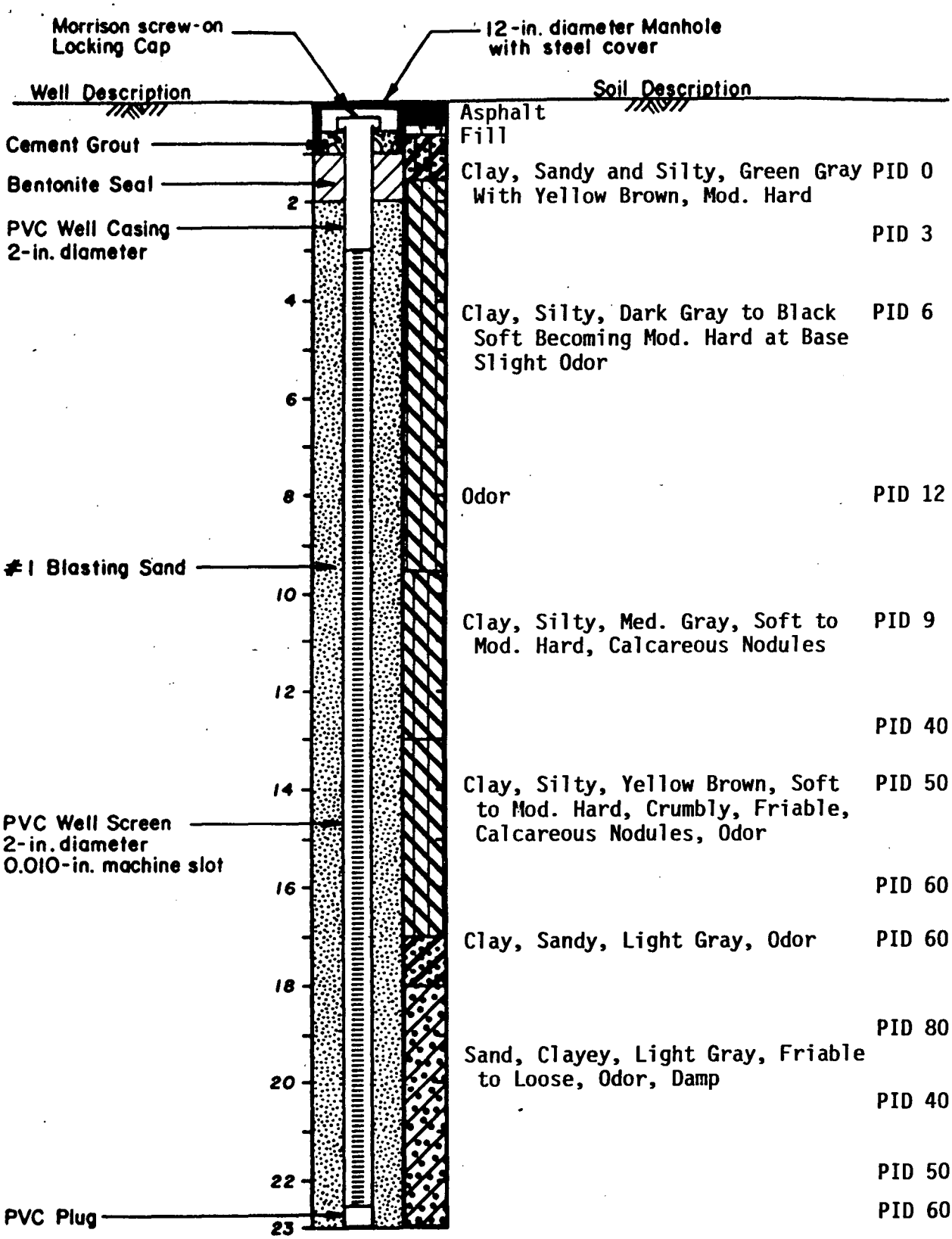
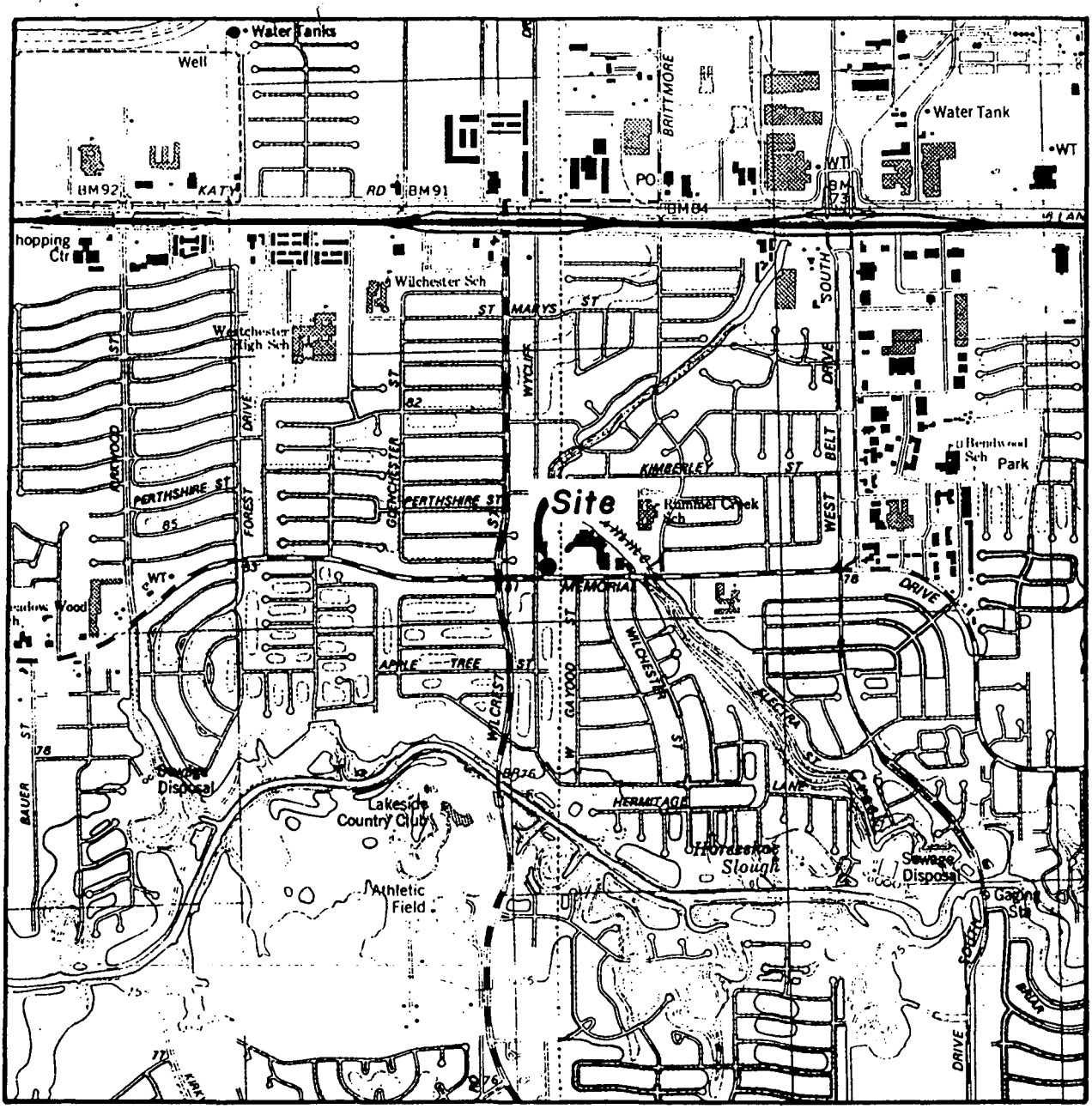

Morrison screw-on Locking Cap
12-in. diameter Manhole with steel cover
Well Description
Soil Description
Cement Grout
Bentonite Seal
PVC Well Casing 2-in. diameter
#1 Blasting Sand
PVC Well Screen 2-in. diameter 0.010-in. machine slot
PVC Plug
2
4
6
8
10
12
14
16
18
20
22
23
Asphalt
Fill
Clay, Sandy and Silty, Green Gray With Yellow Brown, Mod. Hard
PID 0
PID 3
Clay, Silty, Dark Gray to Black Soft Becoming Mod. Hard at Base Slight Odor
PID 6
Odor
PID 12
Clay, Silty, Med. Gray, Soft to Mod. Hard, Calcareous Nodules
PID 9
PID 40
Clay, Silty, Yellow Brown, Soft to Mod. Hard, Crumbly, Friable, Calcareous Nodules, Odor
PID 50
PID 60
Clay, Sandy, Light Gray, Odor
PID 60
PID 80
Sand, Clayey, Light Gray, Friable to Loose, Odor, Damp
PID 40
PID 50
PID 60

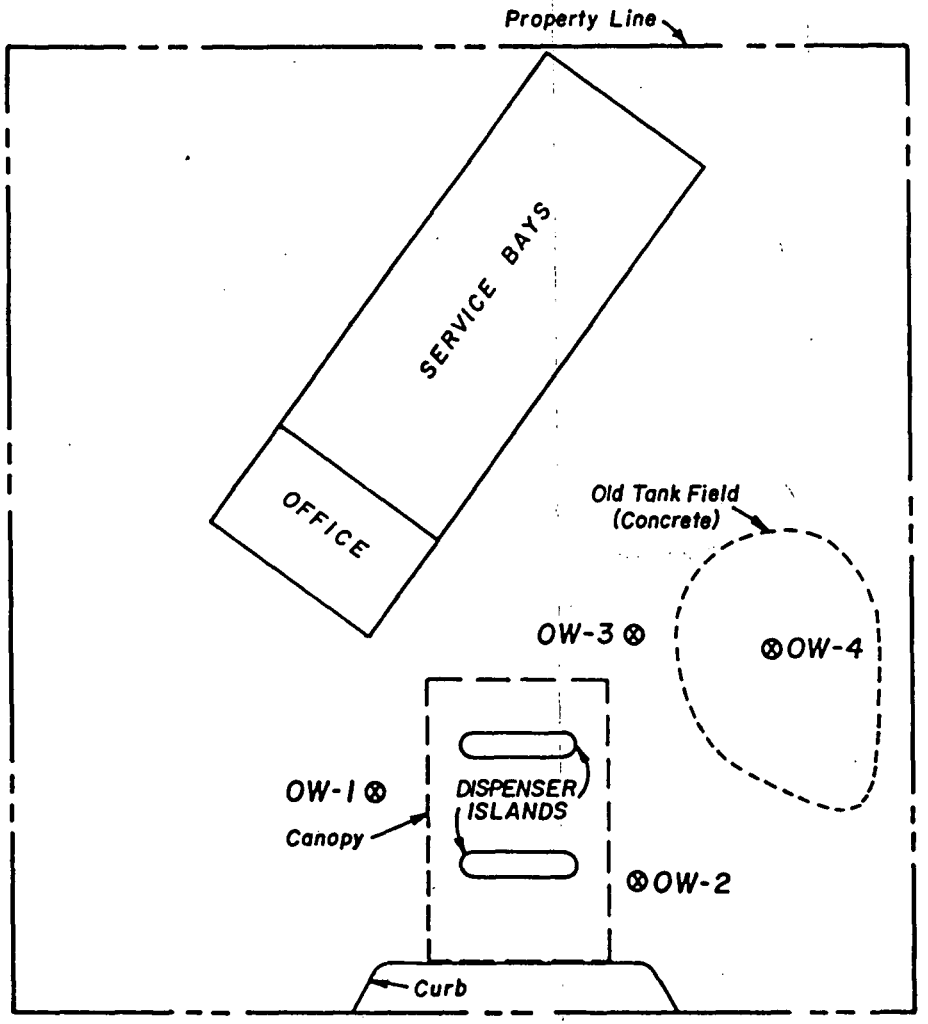


Source: USGS Topographic Map
Hedwig Village, Texas Quadrangle (1982)

N

2000 0 2000

Scale in Feet



LEGEND

OW-1 ⊗ Observation Well Location

N

30 20 10 0 30

Approximate Scale in Feet

Applied Earth Sciences	NAME		FIGURE
No. 5-037 MADE BY: R.G. DATE: 8-21-87 CHECKED BY: DATE:	MOBIL OIL CORPORATION Station SS 12-K7A Houston, Texas	STATION LAYOUT	3