

Prepared for:

Banks Environmental Data
1601 Rio Grande
Ste 500
Austin, TX 78701



Water Well Report

Site Name

Roseland Park

Baytown, TX 77520

PO #: 999888-11150

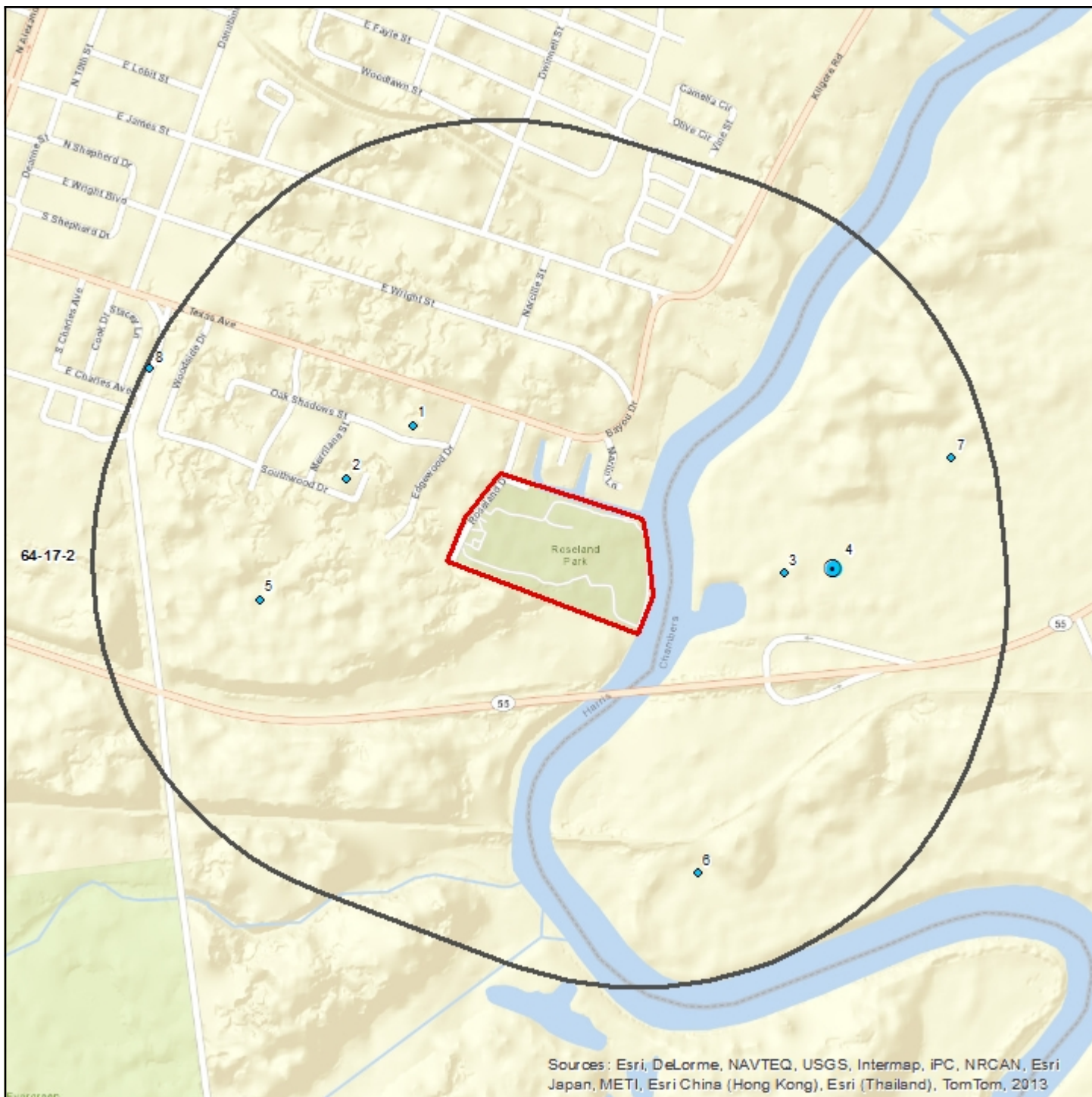
Geographic Summary	3
Maps	
Summary Map - 0.5 Mile Buffer	4
Topographic Overlay Map - 0.5 Mile Buffer	5
Current Imagery Overlay Map - 0.5 Mile Buffer	6
Water Well Details	7
Soils Sub-Report	
Soil Survey Map - 0.1 Mile Buffer	16
Soils Details	17
Soils Definitions	20
Database Definitions and Sources	21
Disclaimer	22



Geographic Summary *Site Name*

Location	
TX	
Target location is 0.039 square miles and has a 0.81 mile perimeter	
Coordinates	
Longitude & Latitude in Degrees Minutes Seconds	NA
Longitude & Latitude in Decimal Degrees	NA
X and Y in UTM	NA
Elevation	
NA	
Zip Codes Searched	
Search Distance	Zip Codes
Target Property	77520, 77523
0.5 miles	77520, 77523, 77523, 77520, 77521, 77535, 77597
Topos Searched	
Search Distance	Topo Name
Target Property	Morgans Point
0.5 miles	Morgans Point

Summary Map - 0.5 Mile Buffer



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

Site Name

- Well
- Well Cluster

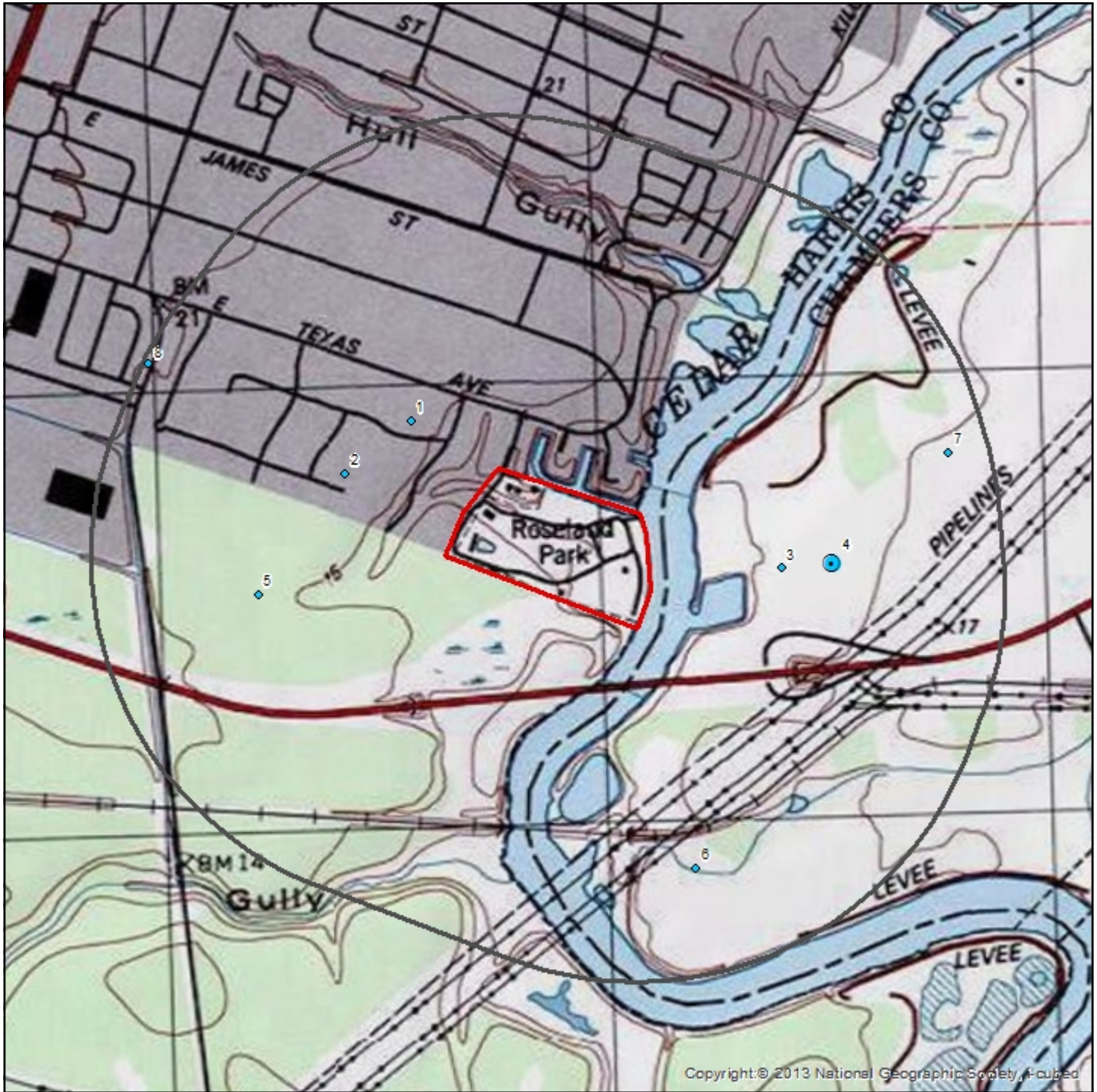
- Target Property
- Search Buffer
- Texas Quad Index

1 : 13,000



Lambert Conformal Conic Projection
 1983 North American Datum
 First Standard Parallel: 33° 00' North
 Second Standard Parallel: 45° 00' North
 Central Meridian: 96° 00' West
 Latitude of Origin: 39° 00' North

Topographic Overlay Map - 0.5 Mile Buffer



Copyright: © 2013 National Geographic Society, i-cubed

Site Name

- Well
- Target Property
- Well Cluster
- Search Buffer

1 : 13,000



Lambert Conformal Conic Projection
1983 North American Datum
First Standard Parallel: 33° 00' North
Second Standard Parallel: 45° 00' North
Central Meridian: 96° 00' West
Latitude of Origin: 39° 00' North

Current Imagery Overlay Map - 0.5 Mile Buffer



Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AeroX, Swmapping, AeroGrid, IGN, IGP, swbtopo, and the GIS User Community

Site Name

-  Well
-  Well Cluster
-  Target Property
-  Search Buffer

1 : 13,000



Lambert Conformal Conic Projection
1983 North American Datum
First Standard Parallel: 33° 00' North
Second Standard Parallel: 45° 00' North
Central Meridian: 96° 00' West
Latitude of Origin: 39° 00' North

Water Well Details *Site Name*



Map ID	Source ID	Dataset	Owner of Well	Type of Well	Depth Drilled	Completion Date	Longitude	Latitude	Elevation	Driller's Logs
1	64-09-9	TX TCEQ HIST	Raymond Parriars	Domestic	90	01/03/1998	-94.948059	29.72517	17 ft	View
2	64-09-7	TX TCEQ HIST	H. E. Maris	Domestic	340	08/26/1983	-94.949607	29.724108	20 ft	View
3	64-17-2D	TX TCEQ HIST	WES HARTLESS	Domestic	128	04/28/1984	-94.939455	29.722083	14 ft	View
4	USGS-294319094561701	WW USGS	USGS	Not Reported	572	07/16/1982	-94.938259	29.722171	15 ft	N/A
4	64-17-213	TX TWDB GW	Holsch Tubular Prod.	Industrial	572	07/16/1982	-94.938055	29.721943	16 ft	N/A
5	HGSDHG2594	TX HGSD	MONSANTO COMPANY	Irrigation	90	01/01/1976	-94.95167	29.72167	17 ft	N/A
6	64-17-2H	TX TCEQ HIST	WES HARTLESS	Domestic	102	07/25/1984	-94.941539	29.715996	7 ft	View
7	64-17-2J	TX TCEQ HIST	WES HARTLESS	Domestic	258	02/25/1984	-94.935525	29.724384	15 ft	View
8	WIID222249	TX TWDB WIID	Martin Fraysur	Domestic	245	8/27/2009	-94.954166	29.726388	23 ft	View

Well Summary

Water Well Dataset	# of Wells
TX HGSD	1
TX TCEQ HIST	5
TX TWDB GW	1
TX TWDB WIID	1
WW USGS	1
Total Count	9

ATTENTION OWNER: Confidentiality
 Privilege Notice on an reverse side
 of Well Owner's copy (pink)

State of Texas WELL REPORT

Texas Water Well Drillers Advisory Council
 MC 177
 P.O. Box 13087
 Austin, TX 78711-3087
 512-239-0530

1) OWNER Raymond Parrians Jr. ADDRESS 2000 Oak Shadow Baytown Tx 77520
(Name) (Street or RFD) (City) (State) (Zip)

2) ADDRESS OF WELL: County Chambers 2000 OAK SHADOWS BAYTOWN TX 77520 GRID # 64-09-9
(Street, RFD or other) (City) (State) (Zip)

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

4) PROPOSED USE (Check): Monitor Environmental Soil Boring Domestic
 Industrial Irrigation Injection Public Supply De-watering Testwell
 If Public Supply well, were plans submitted to the TNRCC? Yes No

6) WELL LOG:
 Date Drilling:
 Started 1-3 1998
 Completed 1-3 1998

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
2	Surface	90

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

From (ft.)	To (ft.)	Description and color of formation material
0	70	CLAY
70	90	SAND

8) Borehole Completion (Check): Open Hole Straight Wall
 Underreamed Gravel Packed Other _____
 If Gravel Packed give interval ... from _____ ft. to _____ ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.)		Gage Casting Screen
			From	To	
2	N	Plastic Casing	0	80	40 ga
2	N	Plastic screen Slotted	80	90	10 ga

9) CEMENTING DATA [Rule 338.44(1)]
 Cemented from 0 ft. to 20 ft. No. of sacks used 10
 _____ ft. to _____ ft. No. of sacks used _____
 Method used Powered & Pumped
 Cemented by J.W. Greak Jr.
 Distance to septic system field lines or other concentrated contamination _____ ft.
 Method of verification of above distance None installed

13) TYPE PUMP:
 Turbine Jet Submersible Cylinder
 Other _____
 Depth to pump bowls, cylinder, jet, etc., 40 ft.

10) SURFACE COMPLETION
 Specified Surface Slab Installed [Rule 338.44(2)(A)]
 Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
 Pitless Adapter Used [Rule 338.44(3)(b)]
 Approved Alternative Procedure Used [Rule 338.71]

14) WELL TESTS:
 Type test: Pump Bailer Jetted Estimated
 Yield: 30 gpm with 10 ft. drawdown after 1 hrs.

11) WATER LEVEL:
 Static level 18 ft. below land surface Date 1-3-98
 Artesian flow _____ gpm. Date _____

15) WATER QUALITY:
 Did you knowingly 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

12) PACKERS:

Type	Depth
<u>1</u> <u>shirt-tailed</u>	<u>79</u>

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 Greak Water Well Drilling WELL DRILLER'S LICENSE NO. 2130WT
(Type or print)

ADDRESS P. O. Box 92 Liberty
(Street or RFD) (City)

(Signed) J.W. Greak Jr. (Licensed Well Driller) (Signed) _____ (Registered Driller Trainee)

FILE ID	SEQ #
EMP #	DESC CC
SEP 03 1998	
COMMENT	TEMP
Texas	77575
(State)	(Zip)

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

8 m. NISK
1 m. WIKEN

1) OWNER A.E. Maria (Name) Address 3318 Massey Thompkins, Baytown (Street or RFD) (City) (State) (Zip)

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

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

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.

See attached map. 0765-16-2

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):
 Mud Rotary Air Hammer Jetted Bored Air Rotary Cable Tool Other _____

6) WELL LOG: Date Drilling: 8/25 1983
Started 8/26 1983
Completed _____ 19____

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
<u>6 3/4</u>	Surface	<u>340</u>

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

From (ft.)	To (ft.)	Description and color of formation material	8) CASING, BLANK PIPE, AND WELL SCREEN DATA:
<u>0-5</u>	<u>Surface</u>	<u>Surface</u>	Dia. (in.) New or Used Steel, Plastic, etc. Pert., Slotted, etc. Screen Mgt., if commercial Setting (ft.) From To Gage Casing Screen
<u>5-10</u>	<u>yellow clay</u>	<u>4 N Plastic</u>	
<u>10-85</u>	<u>blue clay</u>	<u>8 1/2 N Plas. slotted</u>	<u>330</u> <u>340</u> <u>129</u>
<u>85-105</u>	<u>Sand</u>		
<u>105-125</u>	<u>blue clay</u>		
<u>125-140</u>	<u>Sand</u>		
<u>140-255</u>	<u>red clay</u>		
<u>255-280</u>	<u>white clay</u>		
<u>280-320</u>	<u>blue clay</u>		
<u>320-340</u>	<u>Sand</u>		

9) CEMENTING DATA [Rule 319.44(b)]
 Cemented from 245 ft. to 330 ft. No. of Sacks Used 5
 to _____ ft. No. of Sacks Used _____
 Method used driller
 Cemented by pressure

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

11) WATER LEVEL:
 Static level 117 ft. below land surface Date 8/26/83
 Artesian flow _____ gpm. Date _____

12) PACKERS: Type Depth
N/A

13) TYPE PUMP:
 Turbine Jet Submersible Cylinder
 Other _____
 Depth to pump bowls, cylinder, jet, etc., 168 ft.

14) WELL TESTS:
 Type Test: Pump Bailor Jetted Estimated
 Yield: 15 gpm with _____ ft. drawdown after _____ hrs.

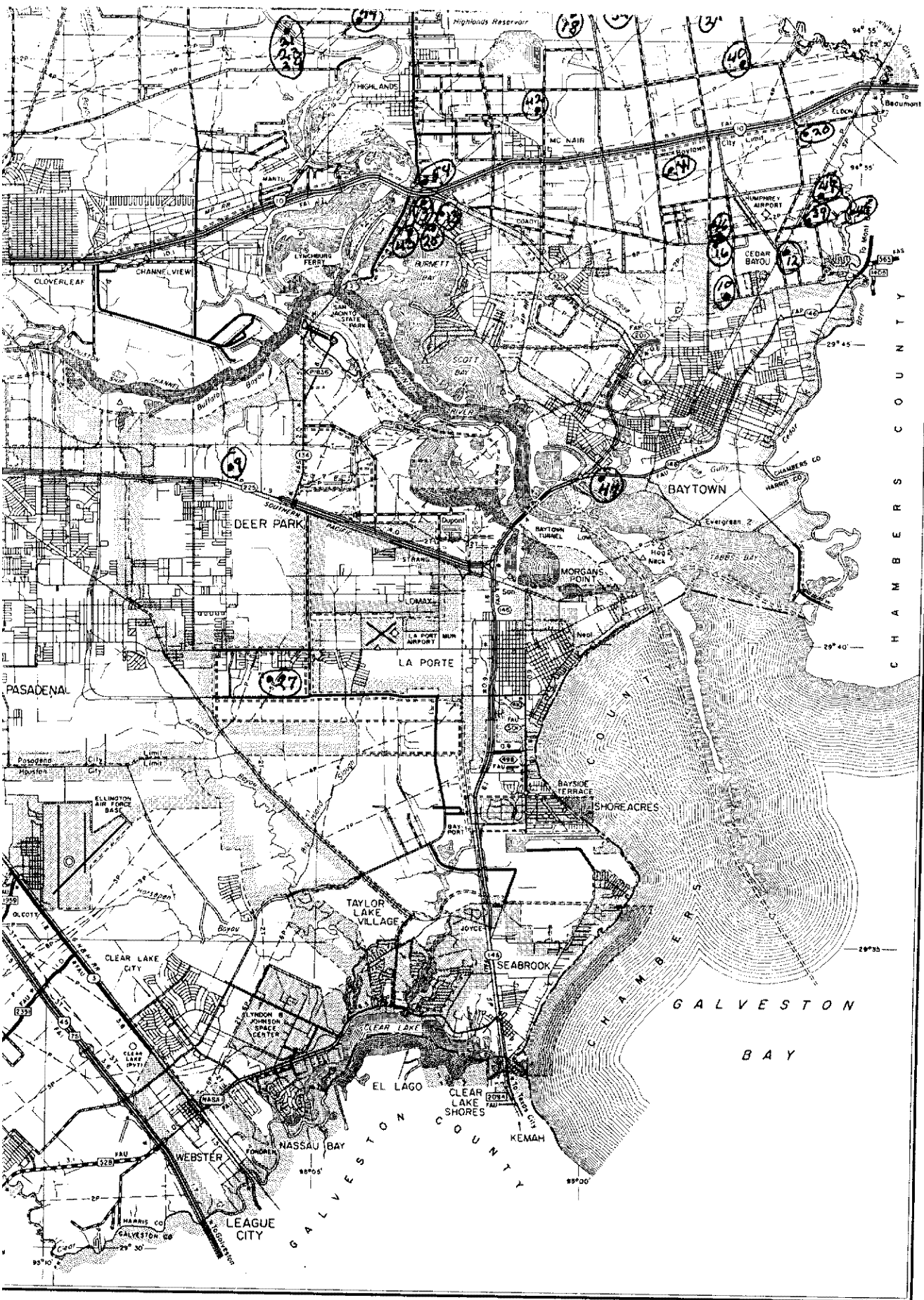
I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME A&L Pump & Well (Type or Print) Water Well Driller's License No. 1587
 ADDRESS 2103 N. MAIN HIGHLANDS TX 77562
 (Street or RFD) (City) (State) (Zip)
 (Signed) McLard M Smith (Signed) _____
 (Licensed Water Well Driller) (Registered Driller Trainee)

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

For TWC use only
Well No. 64-89-7
Located on map _____

4B20120078



C H A M B E R S C O U N T Y

G A L V E S T O N
B A Y

G A L V E S T O N
C O U N T Y

HARRIS CO
GALVESTON CO

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

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

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Wes Hartless Address 1506 N. Olive Baytown, Texas 77520
 (Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
 County Chambers 3 miles in W direction from Baytown
Hwy. 3180 - Mrs. Sellars (N.E., S.W., etc.) (Town)

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

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.

See attached map. 64-17-2E

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 4/28/84

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
6 3/4	Surface	128

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

From (ft.)	To (ft.)	Description and color of formation material	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.)	Gage Casing Screen
0	3	Top soil					
3	116	Clay					
116	128	Sand	4	N	PVC	0 118	40
			4	N	Everflo	118 128	12

9) CEMENTING DATA [Rule 319.44(b)]
 Cemented from 4 sacks ft. to _____ ft.
 _____ ft. to _____ ft.
 Method used Pressure
 Cemented by O'Day Drilling Company, Inc.

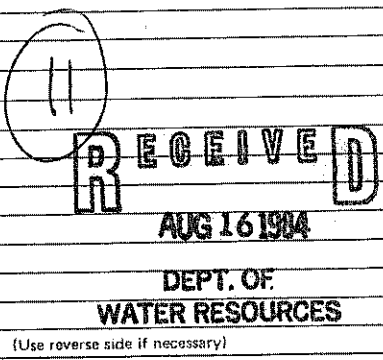
10) SURFACE COMPLETION
 Specified Surface Slab Installed [Rule 319.44(c)]
 Pitless Adapter Used [Rule 319.44(d)]
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
 Static level 27 ft. below land surface Date 4/28/84
 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: 30 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 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 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME O'Day Drilling Company, Inc Water Well Driller's License No. 786
 (Type or Print)
 ADDRESS P.O. Box 162 Pearland, Texas 77588
 (Street or RFD) (City) (State) (Zip)

(Signed) O'Day (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. 64-17-20
 Located on map 64-17-20



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

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

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Wes Hartless Address 1506 N. Olive Baytown, Texas 77520
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
County Chambers 2 1/2 miles in W direction from Baytown
(N.E., S.W., etc.) (Town)

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

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.

See attached map. 104-19-2H

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 7/25/84

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
4 1/2	Surface	102

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

From (ft.)	To (ft.)	Description and color of formation material
0	3	Top soil
3	80	Clay
80	102	Sand

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.)		Gage Casing Screen
			From	To	
2	N	PVC	0	92	40
2	N	Everflo	92	102	12

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 27 ft. below land surface Date 7/25/84
Artesian flow _____ gpm. Date _____

12) PACKERS: Type _____ Depth _____

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

42

RECEIVED
AUG 16 1984

DEPT. OF
WATER RESOURCES
(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: 15 gpm with _____ ft. drawdown after _____ hrs.

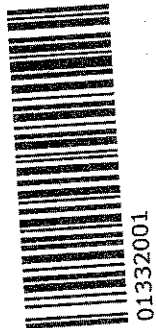
I here by certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 12 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME O'Day Drilling Company, Inc Water Well Driller's License No. 786
(Type or Print)

ADDRESS P.O. Box 162 Pearland, Texas 77588
(Street or RFD) (City) (State) (Zip)

(Signed) O'Day (Signed) _____
(Licensed Water Well Driller) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.
For TDWR use only
Well No. 104-17-2H
Located on map 420 MM



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

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

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Wes Hartless Address 1506 N. Olive Baytown, Texas 77520
 (Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: County Chambers 4 miles in W direction from Baytown
4921 Kendall Road - (N.E., S.W., etc.) (Town)
G. Garraway

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. 104-19-2A

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 2/25/84

DIAMETER OF HOLE		
Dia. (in.)	From (ft.)	To (ft.)
6 3/4	Surface	258

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

From (ft.)	To (ft.)	Description and color of formation material
0	3	Top soil
3	64	Clay
64	72	Sand
72	110	Clay
110	118	Sand
118	200	Clay
200	208	Sand
208	235	Clay
235	258	Sand

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.)		Gage Casing Screen
			From	To	
4	N	PVC	0	240	40
2 1/2	N	PVC	228	248	80
2 1/2	N	Everflo	248	258	8

9) CEMENTING DATA [Rule 319.44(b)]
 Cemented from 12 sacks ft. to _____ ft.
 Method used Pressure
 Cemented by O'Day Drilling Company, Inc.

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 170 ft. below land surface Date 2/25/84
 Artesian flow _____ gpm. Date _____

12) PACKERS: Type _____ Depth _____

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 Bailor Jetted Estimated
 Yield: 40 gpm with _____ ft. drawdown after _____ hrs.

46

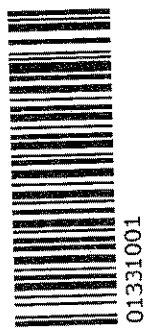
RECEIVED
 AUG 16 1984
 DEPT. OF
WATER RESOURCES
 (Use reverse side if necessary)

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COMPANY NAME O'Day Drilling Company, Inc Water Well Driller's License No. 786
 (Type or Print)
 ADDRESS P.O. Box 162 Pearland, Texas 77588
 (Street or RFD) (City) (State) (Zip)

(Signed) O'Day (Signed) _____
 (Licensed Water Well Driller) (Registered Driller Trainee)
 Please attach electric log, chemical analysis, and other pertinent information, if available.

For TDWR use only
 Well No. 64-17-2J
 Located on map 104-19-2A



STATE OF TEXAS WELL REPORT for Tracking #222249

Owner:	Martin Fraysur	Owner Well #:	1
Address:	13201 FM 2354 Baytown , TX 77523	Grid #:	64-17-2
Well Location:	13201 FM 2354 Baytown , TX 77523	Latitude:	29° 43' 35" N
Well County:	Chambers	Longitude:	094° 57' 15" W
Elevation:	No Data	GPS Brand Used:	not given

Type of Work:	New Well	Proposed Use:	Domestic
---------------	-----------------	---------------	-----------------

Drilling Date: Started: **8/27/2009**
Completed: **8/27/2009**

Diameter of Hole: Diameter: **8.5 in From Surface To 245 ft**

Drilling Method: **Mud Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data: 1st Interval: **From 0 ft to 100 ft with 19 (#sacks and material)**
2nd Interval: **No Data**
3rd Interval: **No Data**
Method Used: **poured**
Cemented By: **J W Greak Jr**
Distance to Septic Field or other Concentrated Contamination: **75 ft**
Distance to Property Line: **100+ ft**
Method of Verification: **No Data**
Approved by Variance: **No Data**

Surface Completion: **Alternative Procedure Used**

Water Level: Static level: **45 ft. below land surface on 8/27/2009**
Artesian flow: **No Data**

Packers: **No Data**

Plugging Info: Casing or Cement/Bentonite left in well: **No Data**

Type Of Pump: **Submersible**
Depth to pump bowl: **160 ft**

Well Tests: **Jetted \ Estimated**
Yield: **100 GPM with 20 ft drawdown after 1 hour**

Water Quality: Type of Water: **No Data**
Depth of Strata: **No Data**
Chemical Analysis Made: **No**
Did the driller knowingly penetrate any strata which contained undesirable constituents: **No Data**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the log(s) being returned for completion and resubmittal.

Company Information: **Greak Water Well
PO Box 92
Liberty , TX 77575**

Driller License Number: **2130**

Licensed Well Driller Signature: **J. W. Greak Jr.**

Registered Driller Apprentice Signature: **No Data**

Apprentice Registration Number: **No Data**

Comments: **-NK**

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the

well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking number (Tracking #222249) on your written request.

Texas Department of Licensing & Regulation
P.O. Box 12157
Austin, TX 78711
(512) 463-7880

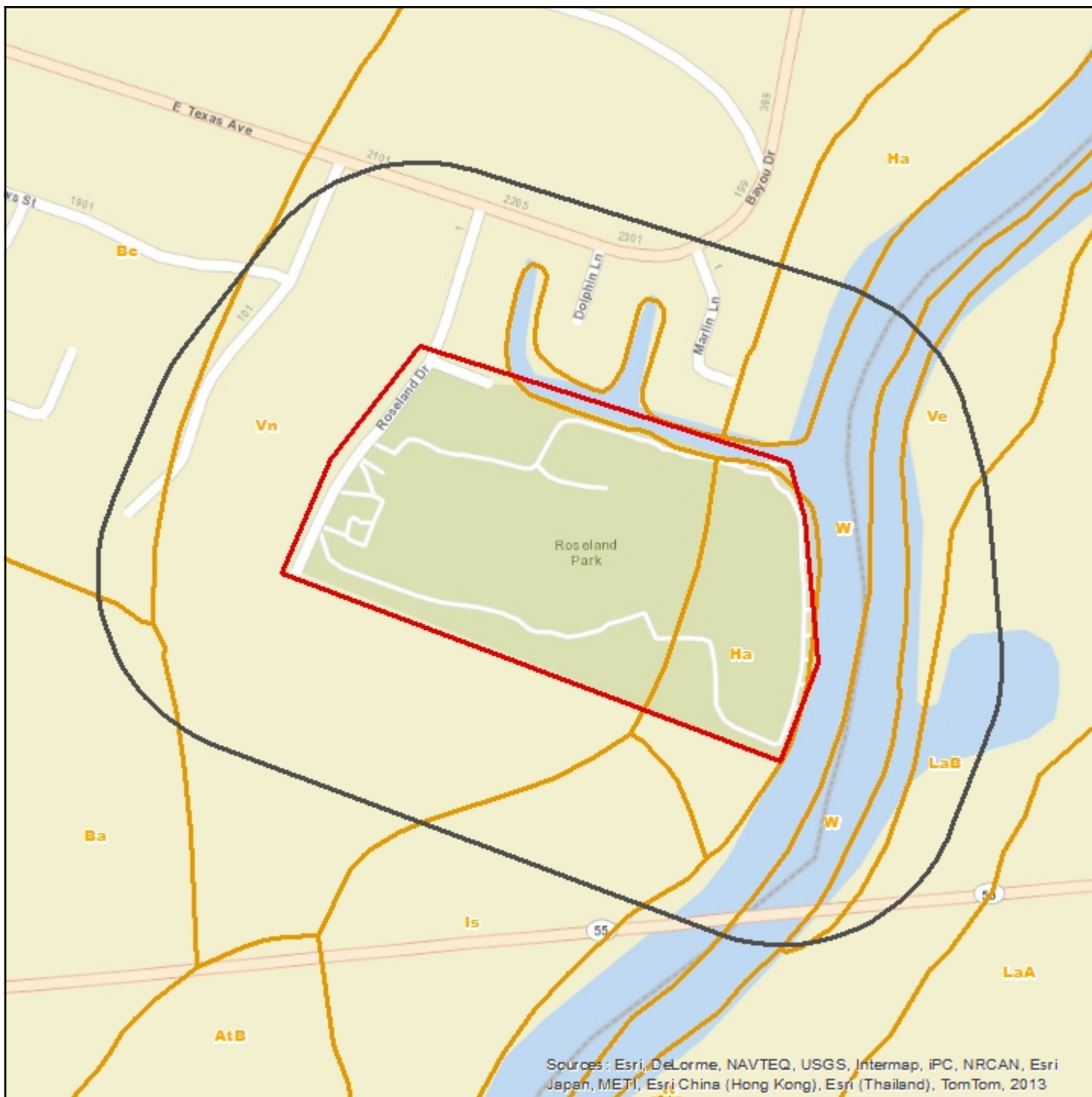
DESC. & COLOR OF FORMATION MATERIAL

CASING, BLANK PIPE & WELL SCREEN DATA

From (ft) To (ft) Description
0-145 clay
145-210 sand and clay mix
210-220 clay
220-245 sand

Dia. New/Used Type Setting From/To
4 New Plastic 0-235 40
4 New slotted 235-245 006

Soil Survey Map - 0.1 Mile Buffer



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

Site Name

- Well
- Well Cluster
- Target Property
- Search Buffer
- Soils Boundary

1 : 5,000

Lambert Conformal Conic Projection
1983 North American Datum
First Standard Parallel: 33° 00' North
Second Standard Parallel: 45° 00' North
Central Meridian: 96° 00' West
Latitude of Origin: 39° 00' North



Soils Site Name

Soils Types Found

Target Property W, Vn, Ha
Within 0.1 miles of Target Property W, LaB, Ve, W, Vn, Bc, Ha, Ba, Ha, Is

Soil Type Descriptions

Ba - Beaumont clay

Hydric Status Some components are hydric and some components are not hydric.
Minimum Depth to Bedrock

Beaumont (95 percent)

Hydrologic Group High runoff potential
Soil Drainage Class Poorly drained
Corrosion Potential - Uncoated Steel High
Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	clay	0 cm	23 cm	A-7-6	CH
H2	clay	23 cm	53 cm	A-7-6	CH
H3	clay	53 cm	150 cm	A-7-6	CH
H4	clay	150 cm	185 cm	A-7-6	CH

Unnamed, minor components (5 percent)

Bc - Beaumont-Urban land complex

Hydric Status Some components are hydric and some components are not hydric.
Minimum Depth to Bedrock

Beaumont (55 percent)

Hydrologic Group High runoff potential
Soil Drainage Class Poorly drained
Corrosion Potential - Uncoated Steel High
Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	clay	0 cm	23 cm	A-7-6	CH
H2	clay	23 cm	53 cm	A-7-6	CH
H3	clay	53 cm	150 cm	A-7-6	CH
H4	clay	150 cm	185 cm	A-7-6	CH

Urban land (35 percent)

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	variable	0 cm	102 cm		

Unnamed, minor components (10 percent)

Ha - Harris clay

Hydric Status Some components are hydric and some components are not hydric.
Minimum Depth to Bedrock

Harris (90 percent)

Hydrologic Group High runoff potential
Soil Drainage Class Very poorly drained
Corrosion Potential - Uncoated Steel High
Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	clay	0 cm	48 cm	A-7-6	CH
H2	clay	48 cm	112 cm	A-7-6	CH
H3	clay	112 cm	152 cm	A-7-6	CH

Soils *Site Name*

Unnamed, minor components (10 percent)

Is - Ijam soils

Hydric Status Some components are hydric and some components are not hydric.

Minimum Depth to Bedrock

Ijam (95 percent)

Hydrologic Group High runoff potential

Soil Drainage Class Poorly drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	clay	0 cm	20 cm	A-7-6	CL
H2	clay	20 cm	152 cm	A-7-6	CH

Unnamed, minor components (5 percent)

LaB - Lake Charles clay, 1 to 5 percent slopes

Hydric Status All components are not hydric and no components are unranked.

Minimum Depth to Bedrock

Lake Charles (95 percent)

Hydrologic Group High runoff potential

Soil Drainage Class Moderately well drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	clay	0 cm	25 cm	A-7-6	CH
H2	clay	25 cm	51 cm	A-7-6	CH
H3	clay	51 cm	178 cm	A-7-6	CH
H4	clay	178 cm	203 cm	A-7-6	CH

Unnamed, minor components (5 percent)

Ve - Veston soils

Hydric Status Some components are hydric and some components are not hydric.

Minimum Depth to Bedrock

Veston (85 percent)

Hydrologic Group Moderately high runoff potential when drained and high runoff potential undrained

Soil Drainage Class Poorly drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	silt loam	0 cm	20 cm	A-4, A-6	CL
H2	silty clay loam	20 cm	160 cm	A-6, A-7	CH, CL

Unnamed, minor components (15 percent)

Vn - Vamont-Urban land complex

Hydric Status All components are not hydric and no components are unranked.

Minimum Depth to Bedrock

Vamont (50 percent)

Hydrologic Group High runoff potential

Soil Drainage Class Somewhat poorly drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Soils *Site Name*

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	clay	0 cm	20 cm	A-7-6	CH
H2	clay	20 cm	178 cm	A-7-6	CH, CL
H3	clay	178 cm	203 cm	A-7-6	CH

Urban land (35 percent)

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	variable	0 cm	102 cm		

Unnamed, minor components (15 percent)

W - Water (greater than 40 acres in size)

Hydric Status All components are not hydric and no components are unranked.

Minimum Depth to Bedrock

Water (100 percent)

W - Water

Hydric Status All components are not hydric and no components are unranked.

Minimum Depth to Bedrock

Water (100 percent)

Soils Descriptions *Site Name***AASHTO Classification Definitions**

A-1, A-1-a, A-1-b	Granular materials (35% or less passing No. 200 sieve), some fragments, gravel and sand
A-2, A-2-4, A-2-5, A-2-6, A-2-7	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand
A-3	Granular materials (35% or less passing No. 200 sieve), fine sand
A-4	Silt-Clay materials (more than 35% passing No. 200 sieve), silty soils
A-5	Silt-Clay materials (more than 35% passing No. 200 sieve), silty soils
A-6	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils
A-7, A-7-5, A-7-6	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils
A-8	Silt-Clay materials (more than 35% passing No. 200 sieve), clayey soils

Unified Classification Definitions

CH	Fine-grained soils, silts and clays (liquid limit is 50% or more), Fat Clay
CL, CL-A (proposed), CL-K (proposed), CL-ML, CL-O (proposed), CL-T (proposed)	Fine-grained soils, silts and clays (liquid limit is less than 50%), Lean Clay
GC, GC-GM	Coarse-grained soils, Gravels, gravel with fines, Clayey Gravel
GM	Coarse-grained soils, Gravels, gravel with fines, Silty Gravel
GP, GP-GC, GP-GM	Coarse-grained soils, Gravels, clean gravels, Poorly Graded Gravel
GW, GW-GC, GW-GM	Coarse-grained soils, Gravels, clean gravels, Well-Graded Gravel
MH, MH-A, MH-K, MH-O, MH-T	Fine-grained soils, silts and clays (liquid limit is 50% or more), Elastic Silt
ML, ML-A (proposed), ML-K (proposed), ML-O (proposed), ML-T (proposed)	Fine-grained soils, silts and clays (liquid limit is less than 50%), Silt
OH, OH-T (proposed)	Fine-grained soils, silts and clays (liquid limit is 50% or more), Organic Clay or Organic Silt
OL	Fine-grained soils, silts and clays (liquid limit is less than 50%), Organic Clay or Organic Silt
PT	Highly organic soils, Peat
SC, SC-SM	Coarse-grained soils, Sands, sands with fines, Clayey Sand
SM	Coarse-grained soils, Sands, sands with fines, Silty Sand
SP, SP-SC, SP-SM	Coarse-grained soils, Sands, clean sands, Poorly Graded Sand
SW, SW-SC, SW-SM	Coarse-grained soils, Sands, clean sands, Well-Graded Sand

Source

Natural Resources Conservation Service, Soil Survey Geographic (SSURGO) Database.

Disclaimer

This Soils Survey from Banks Environmental Data, Inc. has searched Natural Resources Conservation Service (NRCS) and the Soil Survey Geographic Database (SSURGO). All soil data presented on the map and in the details section are based on information obtained from NRCS. Although Banks performs quality assurance and quality control on all data, inaccuracies of the data and mapped locations could possibly be traced to the source. Banks Environmental Data, Inc. cannot fully guarantee the accuracy of the SSURGO database maintained by NRCS.

Dataset Descriptions and Sources *Site Name*



Dataset	Source	Dataset Description	Update Schedule	Data Requested	Data Obtained	Data Updated	Source Updated
TX HGSD - Texas HGSD	Harris Galveston Subsidence District/Fort Bend Subsidence District	This dataset contains all groundwater well records compiled by Harris Galveston Subsidence District/Fort Bend Subsidence District.	Quarterly	06/19/2013	06/19/2013	07/07/2013	06/19/2013
TX TCEQ HIST - Texas TCEQ Historical	Texas Commission on Environmental Quality	This dataset contains all historical water well records searched from the TCEQ Public Water Well Viewer. Banks Environmental Data plots each well record based on location information found on the log.	As requested	N/A	N/A	N/A	N/A
TX TCEQ PWS - Texas TCEQ PWS	Texas Commission on Environmental Quality	This dataset contains a collection of records from Texas Water Districts, Public Drinking Water Systems and Water and Sewer Utilities who submit information to the TCEQ.	Quarterly	06/13/2013	06/13/2013	07/07/2013	06/10/2013
TX TWDB GW - Texas TWDB Groundwater Database	Texas Water Development Board	This dataset contains water well records contained within Texas Water Development Board Groundwater Database.	Quarterly	04/11/2013	04/02/2013	04/11/2013	04/11/2013
TX TWDB WIID - Texas TWDB Submitted Drillers' Logs	Texas Water Development Board	This dataset contains water well records from the Texas Water Development Board Submitted Drillers' Reports Database.	Quarterly	07/03/2013	07/03/2013	07/05/2013	07/01/2013
WW USGS - USGS Water Wells	U.S. Geological Survey	This dataset contains groundwater well records from the U.S. Geological Survey.	Quarterly	07/08/2013	07/08/2013	07/08/2013	07/08/2013

Disclaimer *Site Name*



The Banks Environmental Data Water Well Report was prepared from existing state water well databases and/or additional file data/records research conducted at the state agency and the U.S. Geological Survey. Banks Environmental Data has performed a thorough and diligent search of all groundwater well information provided and recorded. All mapped locations are based on information obtained from the source. Although Banks performs quality assurance and quality control on all research projects, we recognize that any inaccuracies of the records and mapped well locations could possibly be traced to the appropriate regulatory authority or the actual driller. It may be possible that some water well schedules and logs have never been submitted to the regulatory authority by the water driller and, thus, may explain the possible unaccountability of privately drilled wells. It is uncertain if the above listing provides 100% of the existing wells within the area of review. Therefore, Banks Environmental Data cannot fully guarantee the accuracy of the data or well location(s) of those maps and records maintained by the regulatory authorities.