

Prepared for:

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



Oil and Gas Well Report

Site Name

1530 County Road 429

Pleasanton, TX 78064

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Geographic Summary *Site Name***Location**

TX

Target location is 0.44 miles in length

Coordinates

Longitude & Latitude in Degrees Minutes Seconds NA

Longitude & Latitude in Decimal Degrees NA

X and Y in UTM NA

Elevation

NA

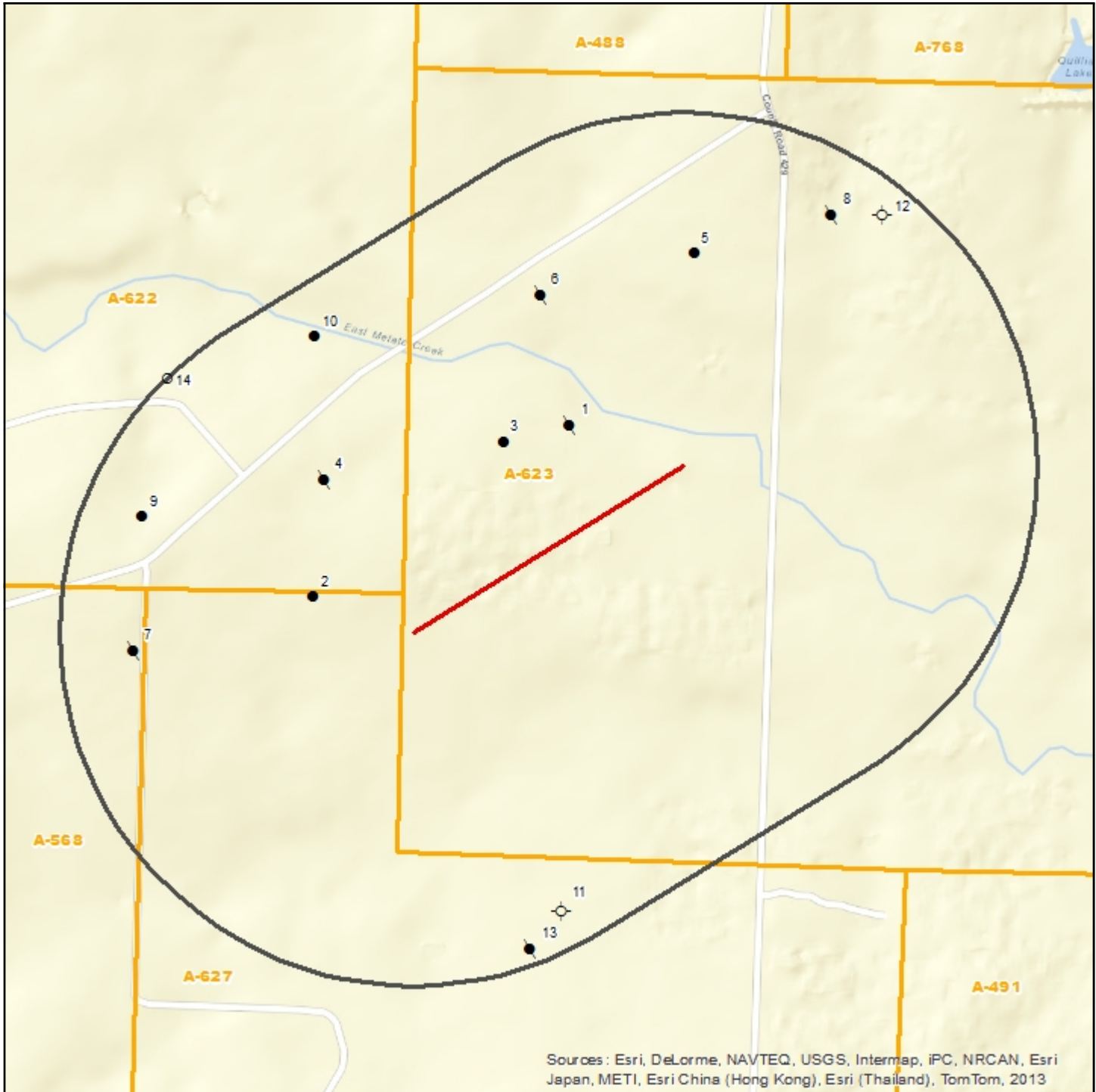
Zip Codes Searched

Search Distance	Zip Codes
Target Property	78064
0.5 miles	78026, 78064

Topos Searched

Search Distance	Topo Name
Target Property	Pleasanton
0.5 miles	Pleasanton

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

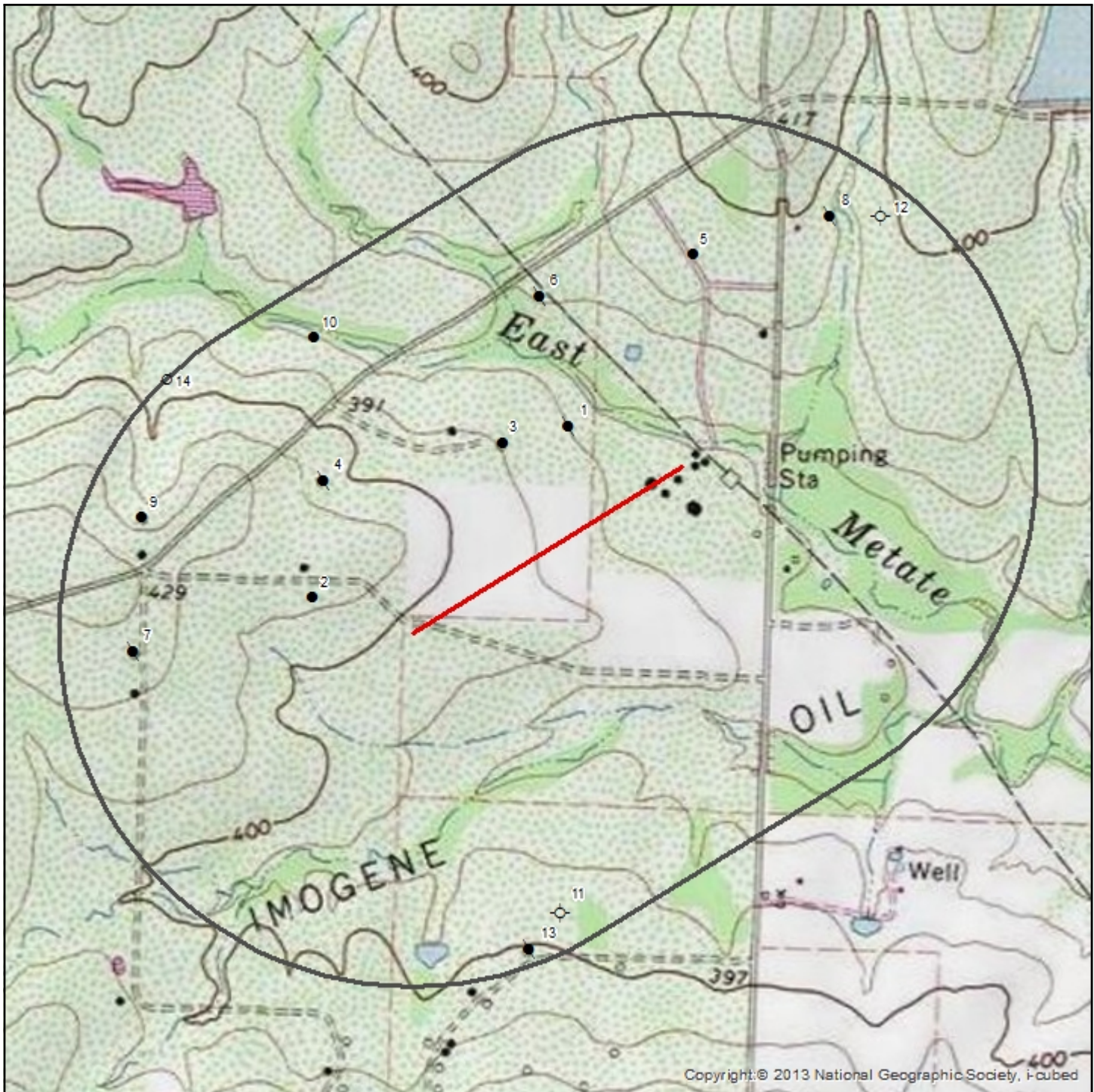
- | | | | |
|-------------------|----------------------|-----------------------------------|---------------------|
| ▲ Well | ○ Permitted Location | ⊗ Injection/Disposal | — Target Property |
| ● Oil | ◐ Shut-in Oil | ⊗ Injection/Disposal from Oil | □ Search Buffer |
| ☼ Gas | ◑ Shut-in Gas | ⊗ Injection/Disposal from Gas | ▭ Texas Land Survey |
| ⚡ Oil/Gas | ◒ Sidetrack Surf. | ⊗ Injection/Disposal from Oil/Gas | |
| ⊖ Dry Hole | ⊗ Core Test | ⊗ Canceled/Abandoned Location | |
| ⊖ Plugged Oil | ◑ Horz. Drainhole | BR ● Brine Mining/Oil | |
| ⊖ Plugged Gas | ◑ Geothermal | BR ☼ Brine Mining/Gas | |
| ⊖ Plugged Oil/Gas | ◑ Dir. Surf. Loc. | | |

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



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Site Name

- | | | |
|-------------------|----------------------|-----------------------------------|
| ▲ Well | ○ Permitted Location | ⊗ Injection/Disposal |
| ● Oil | ◐ Shut-in Oil | ⊗ Injection/Disposal from Oil |
| ☼ Gas | ◑ Shut-in Gas | ⊗ Injection/Disposal from Gas |
| ⚡ Oil/Gas | ◇ Sidetrack Surf. | ⊗ Injection/Disposal from Oil/Gas |
| ⊕ Dry Hole | ⊗ Core Test | ⊗ Canceled/Abandoned Location |
| ● Plugged Oil | ◑ Horz. Drainhole | BR ● Brine Mining/Oil |
| ⊗ Plugged Gas | ◇ Geothermal | BR ☼ Brine Mining/Gas |
| ⚡ Plugged Oil/Gas | ◇ Dir. Surf. Loc. | |

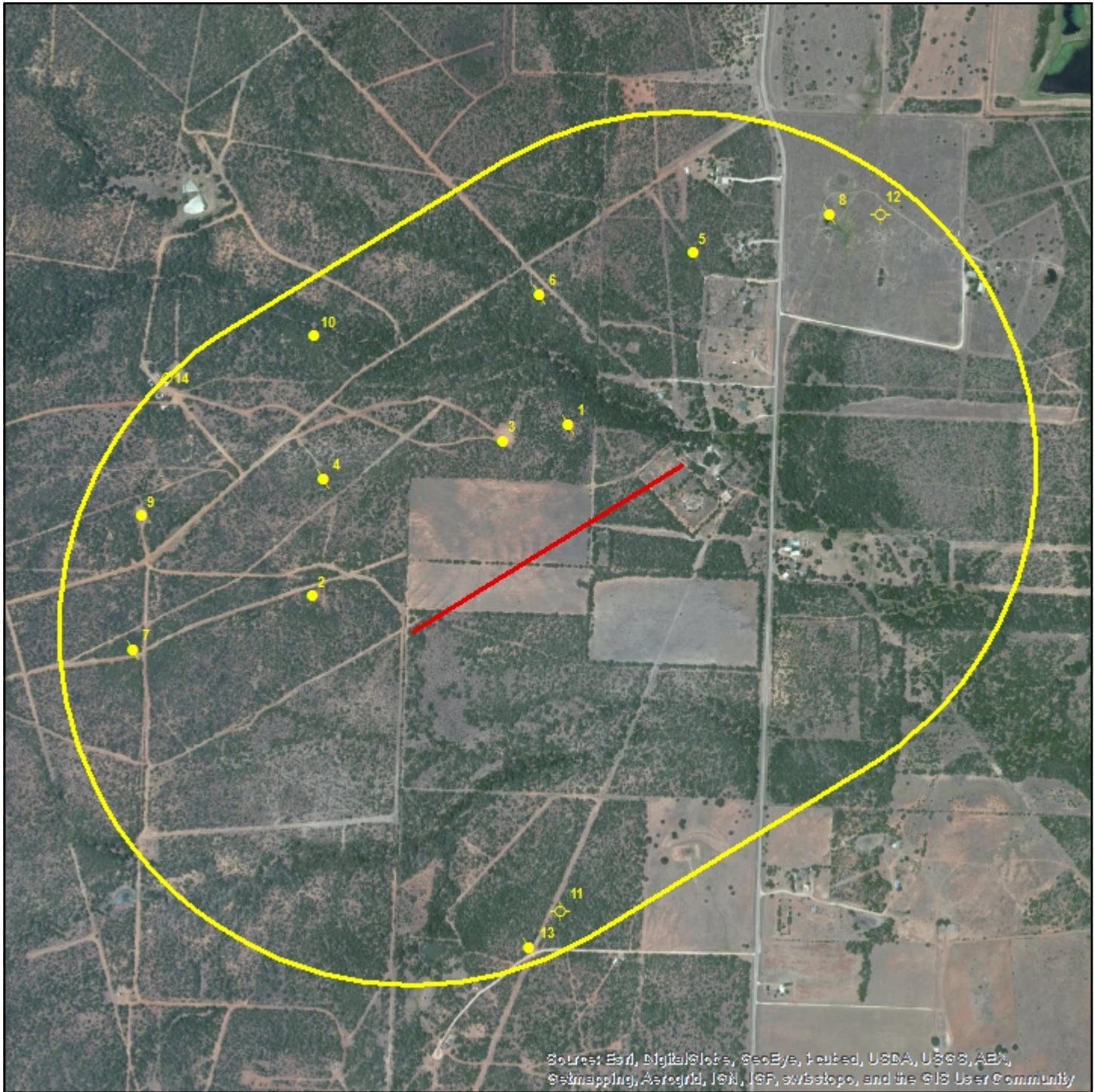
- Target Property
- Search Buffer

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Current Imagery Overlay Map - 0.5 Mile Buffer



Source: Esri, DigitalGlobe, GeoEye, IGN, USDA, USGS, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community

Site Name

- | | | | |
|-------------------|----------------------|-----------------------------------|-------------------|
| ▲ Well | ○ Permitted Location | ⊗ Injection/Disposal | — Target Property |
| ● Oil | ● Shut-in Oil | ● Injection/Disposal from Oil | □ Search Buffer |
| ○ Gas | △ Shut-in Gas | ● Injection/Disposal from Gas | |
| ● Oil/Gas | ◇ Sidetrack Surf. | ● Injection/Disposal from Oil/Gas | |
| ⊕ Dry Hole | ✦ Core Test | ⊗ Canceled/Abandoned Location | |
| ● Plugged Oil | ○ Horz. Drainhole | ● Brine Mining/Oil | |
| ⊗ Plugged Gas | ○ Geothermal | ● Brine Mining/Gas | |
| ● Plugged Oil/Gas | ○ Dir. Surf. Loc. | | |

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Oil & Gas Well Details *Site Name*

Map ID	Operator Name	Lease Name	Well #	Comp. Date	Plug Date	T.D.	API #	Longitude	Latitude	Status/Product	Elevation
1	EXXON MOBIL CORPORATION	THOMPSON, M. L.	1	1/12/1984		7579	42-013-01138-00	-98.469167	28.899121	Plugged Oil	380 ft
2						0	4201300	-98.474958	28.895499	Oil	412 ft
3						0	4201300	-98.470667	28.898755	Oil	390 ft
4						0	4201300	-98.474797	28.897867	Plugged Oil	407 ft
5						0	4201300	-98.466386	28.902674	Oil	394 ft
6						0	4201300	-98.469934	28.901738	Plugged Oil	380 ft
7						0	4201300	-98.479087	28.894284	Plugged Oil	425 ft
8						0	4201300	-98.463258	28.903533	Plugged Oil	392 ft
9	PEARL, BILL H. PRODUCTIONS, INC.	DUREN & RICHTER ACT. #2	3	1/12/1984		7606	42-013-01144-00	-98.478953	28.897034	Oil	417 ft
10						0	4201300	-98.475079	28.900781	Oil	380 ft
11						0	4201300	-98.469057	28.889233	Dry Hole	396 ft
12						0	4201300	-98.462093	28.90357	Dry Hole	396 ft
13	GUINN OPERATING COMPANY	BOMBA, J. B.	3	1/12/1984		0	42-013-80143-00	-98.469745	28.888476	Plugged Oil	401 ft
14						0	4201300	-98.478444	28.899834	Permitted Location	396 ft

*UNKNOWN appears where digital data does not exist. Further research can be requested to obtain this data.

*N/A (not applicable) appears in the Comp. Date row only when there is a Dry Hole because a Dry Hole does not constitute a completion.

*NOT AVAILABLE appears where digital data does not exist. However, this data may exist within hard copy well files. Further research is required to obtain this data. Please call 512-478-0059 to request a file review.

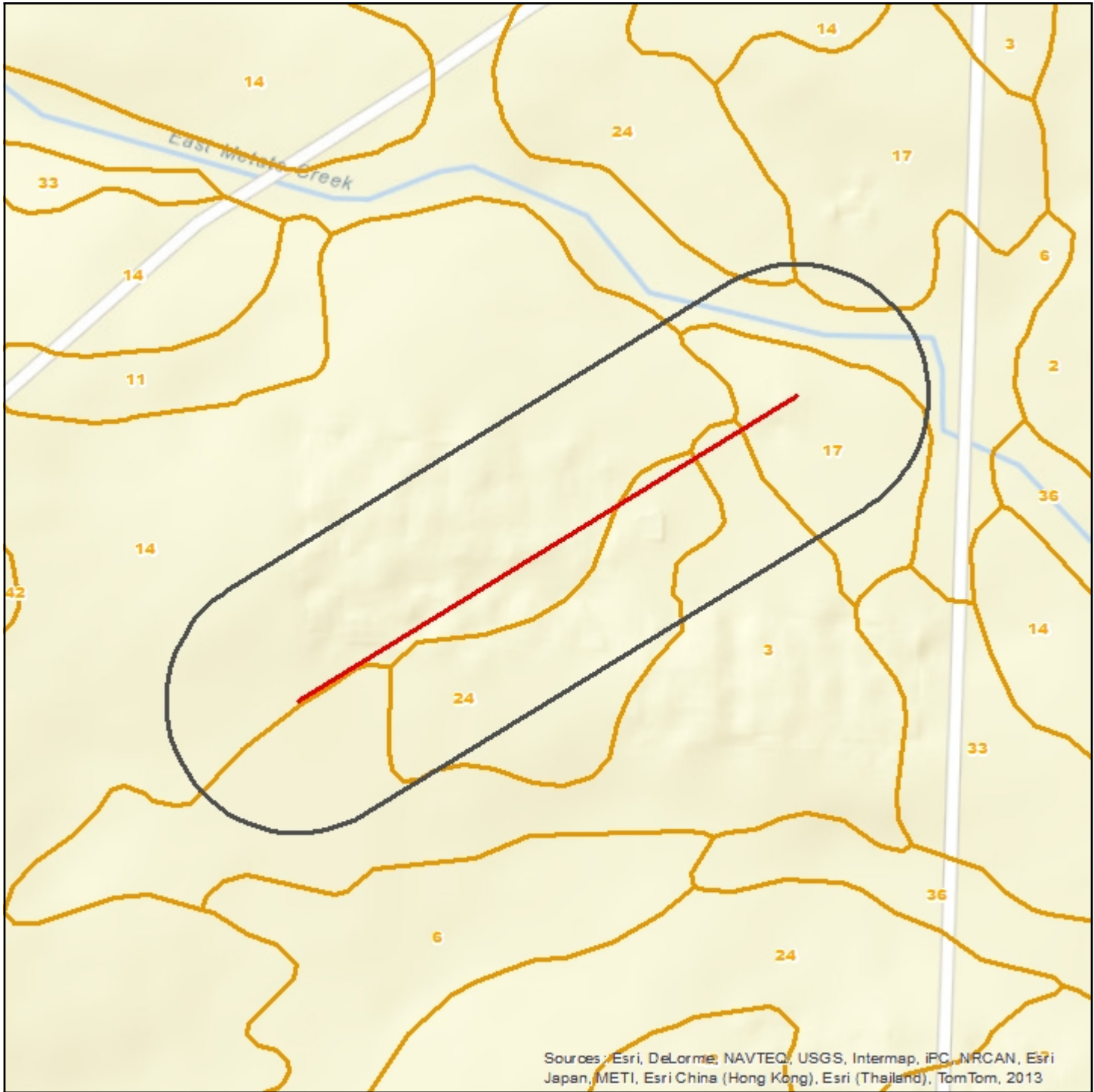
*THIS REPORT IDENTIFIES WELLHEAD SURFACE LOCATIONS ONLY AND IN NO WAY ATTEMPTS TO IDENTIFY ANY DEVIATED BOTTOM HOLE LOCATIONS.

Well Summary

Oil Wells	Gas Wells	Injection Wells	Other Types of Wells*	Total Number of Wells
11	0	0	3	3

*May include dry holes, abandoned locations, disposal, injection, domestic, water supply wells, surface locations, etc.

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 | ○ Permitted Location | ⊗ Injection/Disposal | — Target Property |
| ● Oil | ◐ Shut-in Oil | ⊗ Injection/Disposal from Oil | □ Search Buffer |
| ☼ Gas | ◑ Shut-in Gas | ⊗ Injection/Disposal from Gas | ▭ Soils Boundary |
| ⚡ Oil/Gas | ◒ Sidetrack Surf. | ⊗ Injection/Disposal from Oil/Gas | |
| ⊕ Dry Hole | ⊗ Core Test | ⊗ Canceled/Abandoned Location | |
| ⊗ Plugged Oil | ◑ Horz. Drainhole | BR ● Brine Mining/Oil | |
| ⊗ Plugged Gas | ◑ Geothermal | BR ☼ Brine Mining/Gas | |
| ⊗ Plugged Oil/Gas | ◑ Dir. Surf. Loc. | | |

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Soils *Site Name*

Soils Types Found	
Target Property	14, 17, 3, 24
Within 0.1 miles of Target Property	6, 24, 17, 14, 17, 3, 24

Soil Type Descriptions

14 - Floresville fine sandy loam, 1 to 3 percent slopes	
Hydric Status	Some components are hydric and some components are not hydric.
Minimum Depth to Bedrock	

Floresville (85 percent)	
Hydrologic Group	Moderately high runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	High
Depth to Restrictive Feature	

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	fine sandy loam	0 cm	30 cm	A-4	CL, CL-ML, SC, SC-SM
H2	clay	30 cm	97 cm	A-6, A-7-6	CH, CL
H3	sandy clay loam	97 cm	183 cm	A-4, A-6, A-7-6	CL, SC

Unnamed, minor components (14 percent)

Tiicano (1 percent)	
Hydrologic Group	
Soil Drainage Class	Somewhat poorly drained
Corrosion Potential - Uncoated Steel	
Depth to Restrictive Feature	

17 - Hanis sandy clay loam, 1 to 3 percent slopes	
Hydric Status	Some components are hydric and some components are not hydric.
Minimum Depth to Bedrock	

Hanis (85 percent)	
Hydrologic Group	Moderately high runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	High
Depth to Restrictive Feature	

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	sandy clay loam	0 cm	30 cm	A-4, A-6, A-7-6	CL, SC
H2	clay	30 cm	117 cm	A-7-6	CH, CL
H3	sandy clay loam	117 cm	183 cm	A-6, A-7-6	CL, SC

Unnamed, minor components (14 percent)

Tiicano (1 percent)	
Hydrologic Group	
Soil Drainage Class	Somewhat poorly drained
Corrosion Potential - Uncoated Steel	
Depth to Restrictive Feature	

24 - Miguel fine sandy loam, 1 to 3 percent slopes	
Hydric Status	Some components are hydric and some components are not hydric.
Minimum Depth to Bedrock	

Miguel (85 percent)	
Hydrologic Group	Moderately high runoff potential
Soil Drainage Class	Well drained
Corrosion Potential - Uncoated Steel	High
Depth to Restrictive Feature	

Soils Site Name

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	fine sandy loam	0 cm	23 cm	A-2-4, A-4	SC, SC-SM, SM
H2	sandy clay	23 cm	114 cm	A-7-6	CH, CL, SC
H3	sandy clay loam	114 cm	157 cm	A-6, A-7-6	CL, SC

Unnamed, minor components (14 percent)

Tiocano (1 percent)

Hydrologic Group

Soil Drainage Class Somewhat poorly drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

3 - Amphion sandy clay loam, 1 to 3 percent slopes

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

Minimum Depth to Bedrock

Amphion (85 percent)

Hydrologic Group Moderately high runoff potential

Soil Drainage Class Well drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	sandy clay loam	0 cm	25 cm	A-4, A-6	CL
H2	clay	25 cm	157 cm	A-6, A-7-6	CH, CL
H3	clay	157 cm	216 cm	A-6, A-7-6	CL

Unnamed, minor components (14 percent)

Tiocano (1 percent)

Hydrologic Group

Soil Drainage Class Somewhat poorly drained

Corrosion Potential - Uncoated Steel

Depth to Restrictive Feature

6 - Christine soils, occasionally flooded

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

Minimum Depth to Bedrock

Christine (85 percent)

Hydrologic Group Moderately high runoff potential

Soil Drainage Class Somewhat poorly drained

Corrosion Potential - Uncoated Steel High

Depth to Restrictive Feature

Horizon	Soil Texture	Upper Boundary	Lower Boundary	AASHTO	Unified
H1	clay loam	0 cm	13 cm	A-6	CL, SC
H2	clay loam	13 cm	58 cm	A-6, A-7-6	CL, SC
H3	clay loam	58 cm	183 cm	A-6, A-7-6	CL, SC

Unnamed, minor components (15 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), silt 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

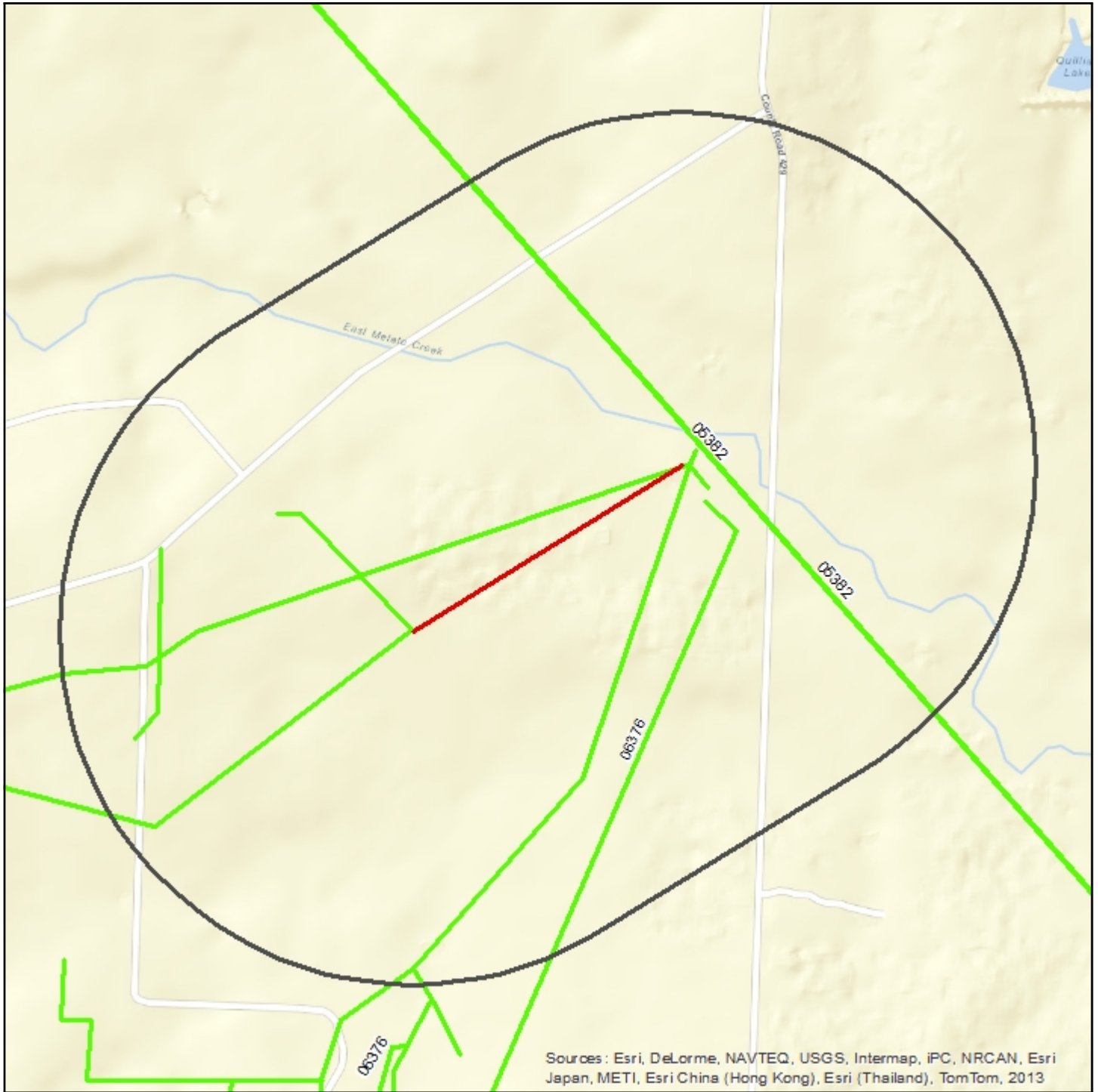
Source

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.

Pipeline 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

- Target Property
- Search Buffer
- Pipelines

1 : 13,000

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Pipeline Details *Site Name*


Pipeline ID	Operator	System Name	Sub-System Name	Commodity Description	Status	Type	Diameters
05382	KOCH MIDSTREAM SERVICES CO LLC	RATTLESNAKE	LYTLE-WHITSETT C-3	NATURAL GAS	B	T	12.75
06376	SHOREHAM SOUTH TEXAS, L.L.C.	CHARLOTTE-THREE RIVERS SYSTEM		CRUDE OIL	B	L	4.5, 6.63, 8.63

Source

Railroad Commission of Texas

Disclaimer

Banks Environmental Data has performed a thorough and diligent search for pipelines recorded with various sources including but not limited to state regulatory authorities, federal regulatory authorities and private sources. All mapped locations are based on information obtained from these sources. Although Banks performs quality assurance and quality control on all research projects, we recognize that any inaccuracies of the records and mapped pipeline locations could possibly be traced to one of the above sources. Pipeline modifications may have never been submitted by the operator and, thus, may explain the possible unaccountability of privately owned pipelines. It is uncertain if the above listing provides 100% of the existing pipelines within the area of review. Therefore, Banks Environmental Data cannot guarantee the accuracy of the data or pipeline location(s) of those maps and records maintained by regulatory authorities or private sources. Banks recommends obtaining the actual copies of maps submitted from the appropriate oil and gas regulatory agency to identify possible discrepancies in locations of pipeline. Obtaining the actual pipeline records can provide clarity to a number of questions including verification of locations, or obtain missing information for many of the historical pipelines.

Status Field Values	
Value	Definition
B	Abandoned
I	In Service
R	Retired

Value	Definition
B	Abandoned
I	In Service
R	Retired

Type Field Values	
Value	Definition
A	Offshore (Liquids)
B	Apartment Complexes
C	Compressor Station
D	Distribution
E	Interstate Transmission Gas
F	Non-Jurisdictional Gathering
G	Gas Gathering
H	Government (Housing Authority)
I	LP Gas Distribution
J	Direct Sales Customer
K	Carbon Dioxide Pipelines
L	Crude Gathering
M	Municipal Distribution
N	City Not Served
O	Crude Transmission
P	Product Lines (NOT Highly Volatile)
Q	Other Liquid Lines (Highly Volatile)
S	Municipal Supply Line
T	Transmission
U	Underground Liquid Storage
V	Underground Gas Storage
W	Mobile Home Parks
X	Liquefied Natural Gas
Y	Brine
Z	Offshore (Gas) Gathering

Value	Definition
A	Offshore (Liquids)
B	Apartment Complexes
C	Compressor Station
D	Distribution
E	Interstate Transmission Gas
F	Non-Jurisdictional Gathering
G	Gas Gathering
H	Government (Housing Authority)
I	LP Gas Distribution
J	Direct Sales Customer
K	Carbon Dioxide Pipelines
L	Crude Gathering
M	Municipal Distribution
N	City Not Served
O	Crude Transmission
P	Product Lines (NOT Highly Volatile)
Q	Other Liquid Lines (Highly Volatile)
S	Municipal Supply Line
T	Transmission
U	Underground Liquid Storage
V	Underground Gas Storage
W	Mobile Home Parks
X	Liquefied Natural Gas
Y	Brine
Z	Offshore (Gas) Gathering

Dataset Descriptions and Sources *Site Name*



Source	Update Schedule	Data Updated	Source Updated
Railroad Commission of Texas (Production Data), Texas Comptroller of Public Accounts	Monthly	03/13/2013	03/01/2013

Disclaimer *Site Name*

The Banks Environmental Data Oil and Gas Well Report was prepared from existing state databases. Banks recommends obtaining the actual construction and abandonment records from the appropriate oil and gas regulatory agency to identify possible sources of surface or below surface contamination and/or identify any improperly plugged or abandoned wells that can contribute to the possible upward migration of subsurface drilling fluids. Obtaining the actual well records can provide closure for plugging questions, verify locations, or obtain missing information for many of the historical wells. Banks Environmental Data provides mapping data sets for informational purposes only. These data sets are continually being updated and refined. Although Banks performs quality assurance and quality control on all research projects, we recognize that any inaccuracies of the well locations and well data could possibly be traced to the appropriate regulatory authority. Therefore, Banks cannot guarantee the accuracy of the data or well location(s) of those maps and records maintained by the oil and gas regulatory agencies.