1R - 493

WORKPLANS

09/04/2008

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

September 4, 2008

Hand delivered

Wayne Price
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Inbe 13 Well No. 1
SW¼NE¼ §13-11S-33E
Lea County, New Mexico

OCD Case No. 1R493

Dear Mr. Price:

Enclosed for filing, on behalf of Pride Energy Company, is a remediation plan.

Very truly yours,

James Bruce

Attorney for Pride Energy Company

cc: M. Altomare

R. T. HICKS CONSULTANTS, LTD.

901 Rio Grande Blvd NW ▲ Suite F-142 ▲ Albuquerque, NM 87104 ▲ 505.266.5004 ▲ Fax: 505.266-0745

September 3, 2008

Wayne Price
Bureau Chief
NMOCD Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: INBE 13 #1 NMOCD Case # 1R493

Dear Wayne:

Pride formally withdraws the June 26, 2008 submission to NMOCD in order to comply with recent NMOCD communications. Pride will:

1. Remove and dispose of all burial trench contents at the Gandy-Marley landfill.
2. Over excavate the trench on all sides and beneath the bottom.
3. Take four confirmation samples to demonstrate that the burial trench contents did not contaminate the soil or bedrock adjacent to or beneath the burial trench.
4. If sampling suggests that a release has occurred, notify NMOCD within 24 hours of receipt of analyses.
5. Backfill the burial trench with clean fill to grade and cover to match adjacent areas.
6. Submit a report to NMOCD that documents all actions taken in accordance with this plan within 10 days of completion.
7. Install a monitoring well less than 30-feet east of the excavation. The monitoring well will be constructed in conformance with NMOCD guidelines.

The excavation of the burial trench will commence as soon as Pride can secure a contractor and permission from the landowner. We can secure a contractor to implement the program prior to September 30, 2008. Securing permission from the landowner to implement the NMOCD-mandated program is not within our complete control and we may require your assistance in this matter.

If a release from the burial trench is documented by sampling, we will develop and submit a remediation plan consistent with Rule 116. Upon NMOCD approval of the remediation plan, we will backfilling the excavation in conformance with the NMOCD-approved remediation plan. We attach additional information requested by NMOCD.

Sincerely,
R.T. Hicks Consultants, Ltd.

Randall T. Hicks
Principal

Copy: Matt Pride, Pride Energy
Pearce Trust – through Pride Energy
Noble Energy – through Pride Energy

Site Data

Location

Unit Letter G, 1980 FNL 1980 FEL
Section 13 T11s R 33E
Lat 33° 22' 3.2" Long 103° 33' 50.37" NAD 83

At the INBE 13 #1 site, Elke Environmental obtained approval from NMOCD to solidify then bury drilling waste. Elke Environmental mixed the drilling waste in the reserve pit used to drill the well with their proprietary solidification product then placed the waste into a 110-foot by 35-foot burial trench that was lined with 20-mil reinforced impermeable material (see Figure 1). Appendix A is the NMOCD-approved drilling pit closure plan submitted by Elke Environmental.

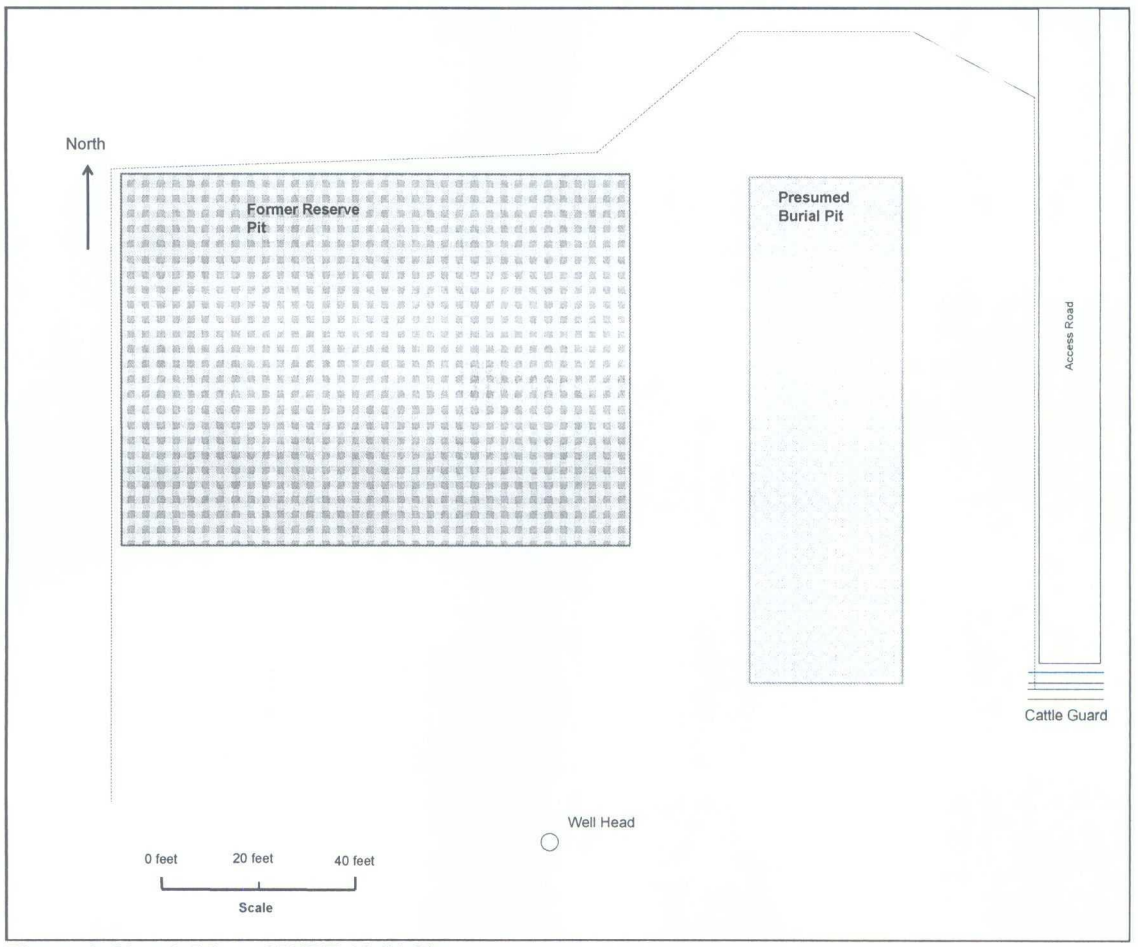


Figure 1: Sketch Map of INBE 13 #1 Site

Plate 1 shows the location relative to Tatum, New Mexico. Plate 2 is a 2005 aerial photograph of the site relative to Highway 380 and 457. Plate 3 is a USGS topographic

map of the site area showing the location of nearby water wells listed in the New Mexico Office of the State Engineer (OSE) database.

Surface Water Hydrology

Plate 4 is a topographic map showing a stock pond approximately 500 feet west of the INBE 13 #1 site. Plate 5 is an aerial photograph at the same scale as Plate 4 showing this stock pond and the production pad associated with the INBE 13 #1 site. The windmill associated with the stock pond is visible as a small black dot approximately 100 feet west of the stock pond. The OSE database shows the well east of the stock pond. Mis-locations of this magnitude in the OSE database are common.

The topography of the area is flat and it is difficult to tell from topographic maps if precipitation runoff from the INBE 13 #1 site would flow southeast, coincident with the regional slope, or flow west toward the stock pond which is located within a depression (see Plate 4). A foot survey conducted on June 19, 2008 showed that runoff from the area would flow to small depressions to the east and west of the site identified by blue circles on Figure 2, below. Runoff from the western depression could flow into the larger depression shown on the topographic map as a stock pond.

Figure 2: Image showing local topographical depressions identified by blue circles. Surface water flow from INBE 13 #1 has potential to flow toward these depressions. The drilling waste burial trench is shown as the red rectangle.

Surface Soils

Plate 6 is a soils map (http://soildatamart.nrcs.usda.gov/). The site lies on the Kimbrough-Lea Complex soil unit, which is described in Appendix B. As described in Appendix B, the Kimbrough unit is generally 6-inches thick and composed of gravelly loam which is underlain by cemented caliche. The Lea unit is composed of about 2-feet of loam, underlain by cemented caliche. A foot survey of the area of INBE 13 #1 suggests that the soil is more similar to the Lea unit. Figure 3 is a photograph of an excavation at INBE 13 #2, which is about 2000 feet southwest of INBE 13 #1. In Figure

3, the loamy soil is about 2 feet thick. The windmill in the distance is the well located due west of the stock pond discussed above.

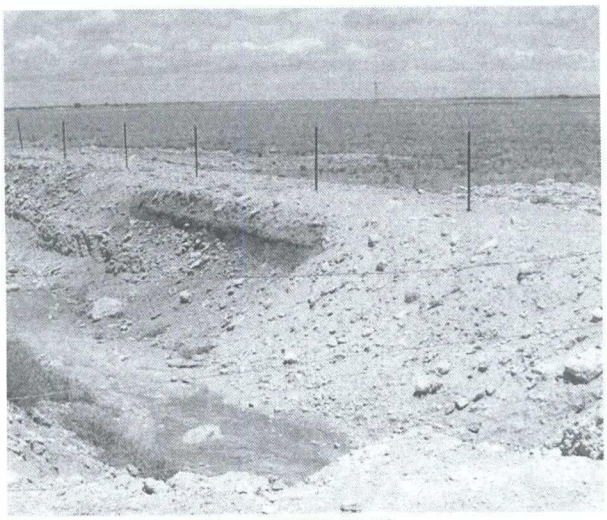


Figure 3: Soil profile at INBE 13 #2

At the INBE 13 #1 site, a thin layer of caliche gravel covers much of the area overlying the burial trench, except the eastern portion of the pad where dark soil overlies caliche (Figures 4 and 5)

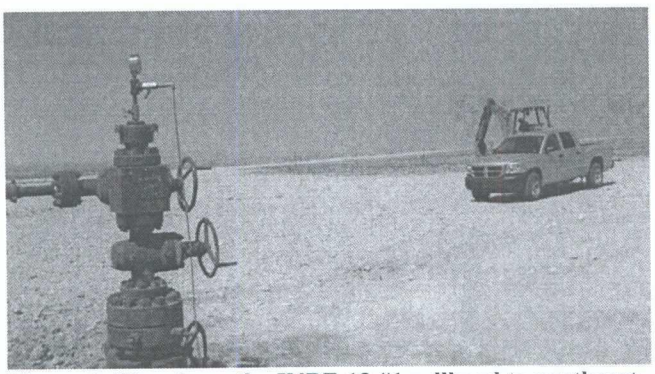


Figure 4: View from the INBE 13 #1wellhead to northeast

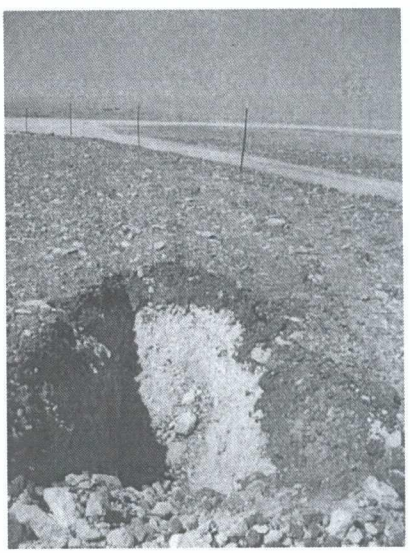


Figure 5: Soil profile in eastern site area.

Fine-grained soil underlies the surface caliche in some areas of the site (Figure 6).

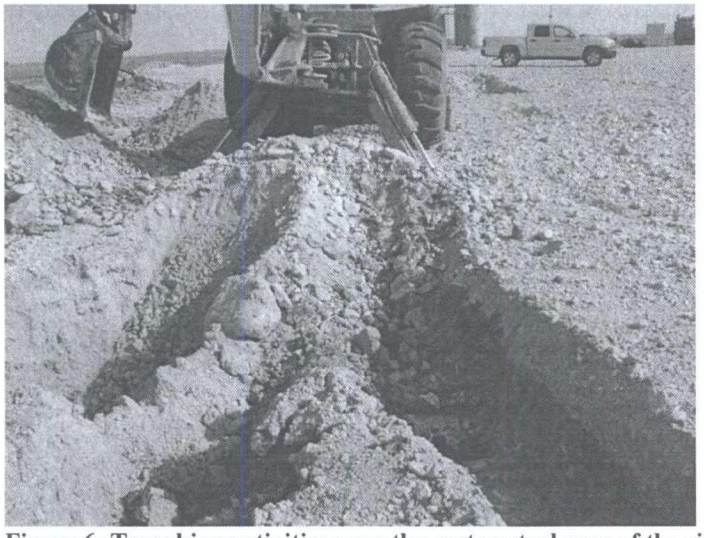


Figure 6: Trenching activities near the east central area of the site.

Characteristics of the Unsaturated Zone

Elke Environmental contracted with White Drilling Company to install a temporary monitoring well at the southeast corner of the former reserve pit. The well log for this boring, which is in Appendix C, shows caliche to a depth of 24 feet with reddish-brown sandy clay underlying the caliche. Lithologic logs from Hicks Consultants borings at nearby sites (e.g. South Four Lakes #15, etc.) are similar to the log presented in Appendix C; however, we observed that a silty-sand was below the caliche layer. The driller reports the depth to water in this 50-foot deep well as 26 feet below ground surface. Elke Environmental reports the depth to water in the 52.2-foot well as 29.7 feet below top of casing (suggesting a 2.2-foot casing height). From these observations, the thickness of the vadose zone is between 26 and 27.5 feet with caliche and soil comprising the upper 24 feet. We believe a sitly-sand comprises the capillary fringe from 24 feet to the water table.

Ground Water Hydrology

Plate 7 is a potentiometric surface map of the area based upon USGS 1996 measurements. At the INBE 13 #1 site, ground water flows from west to east-northeast at a gradient of 0.003.

According to the Office of the State Engineer Technical Report 99-1 (Musharrafieh and Chudnoff), the saturated thickness of the Ogallala Aquifer in the area of INBE 13 #1 ranges between 35 to 140 feet. The total depth of nearby wells are generally 70 to 95 feet and these wells probably penetrate several feet of the underlying redbeds (Dockum Group). Because the water table is approximately 30-feet below ground surface, we can conclude that the saturated thickness of the Ogallala in this area is about 65 feet.

OSE Technical Report 99-1 states that the hydraulic conductivity of the Ogallala in the area of the INBE 13 #1 site ranges from 40-60 feet/day (Plate 8). In general, the lower portion of the Ogallala is coarser-grained than the upper section of the unit. The driller's log of the monitoring well at the INBE 13 #1 site (Appendix C) shows that the uppermost 20-feet of the Ogallala is fine-grained sand and clay is consistent with the observations of others that the Ogallala is a fining-upward sedimentary sequence. Therefore, the hydraulic conductivity of the uppermost 20-feet of the Ogallala will be lower than the values suggested by Musharrafieh and Chudnoff for the entire thickness of the unit. For the purpose of an evaluation of the threat to ground water posed by the burial trench that holds the drilling waste, a hydraulic conductivity value of 30 feet/day is appropriate for the uppermost portion of the aquifer and a value of 50 feet/day is appropriate for the entire the aquifer.

The chloride concentration in a windmill located about 600 feet west of the site is 46.3 mg/L (see Appendix D). The total dissolved solids concentration of this sample is 384 mg/L.

Reports authored by Hicks Consultants that describe several drilling waste release sites in the area show that chloride becomes distributed throughout the upper 30-60 feet of a water table aquifer after a release of brine (e.g. Samson BD-04, Pride South Four Lakes sites).

Land Status

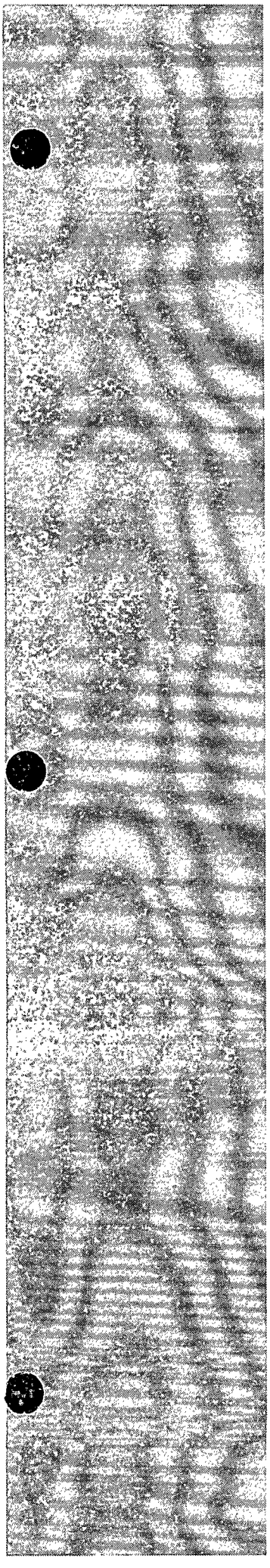
The surface owner is

Noble Energy, Inc.
100 Glenbourough Drive
Suite 100
Houston, Texas 77067

Noble Energy, Inc. leases the use of the land surface to:

Pearce Trust
1717 Jackson
Pecos, Texas 79772

As Plates 2, 5 and 6 show, the land in the general area of INBE 13 #1 is used for grazing. Figure 3 also shows that the surrounding land is suitable for grazing.



Plates

R.T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

0 1 2 Miles

N W E S

R.T. Hicks Consultants, Ltd
901 Rio Grande Blvd NW Suite F-142
Albuquerque, NM 87104
Ph: 505.266.5004

Location of INBE #13 Relative to Tatum, NM

Plate 1

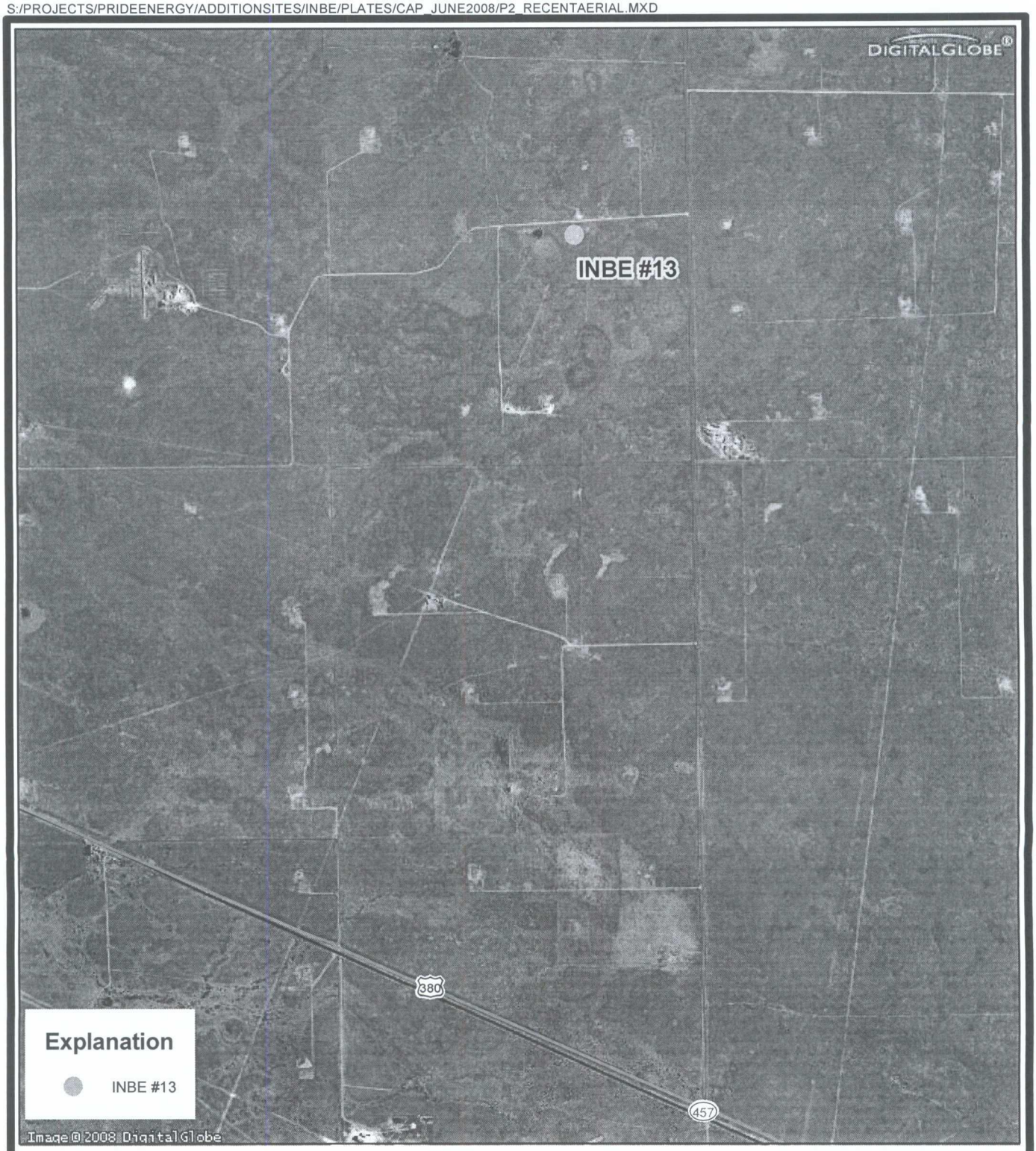
Pride Energy: INBE #13 Corrective Action Plan

June 2008

S:/PROJECTS/PRIDEENERGY/ADDITIONSITES/INBE/PLATES/CAP_JUNE2008/P1_LOCATIONMAP.MXD

6/24/2008

S:/PROJECTS/PRIDEENERGY/ADDITIONSITES/INBE/PLATES/CAP_JUNE2008/P2_RECENTAERIAL.MXD



Source: ESRI ArcWeb Services, 2008

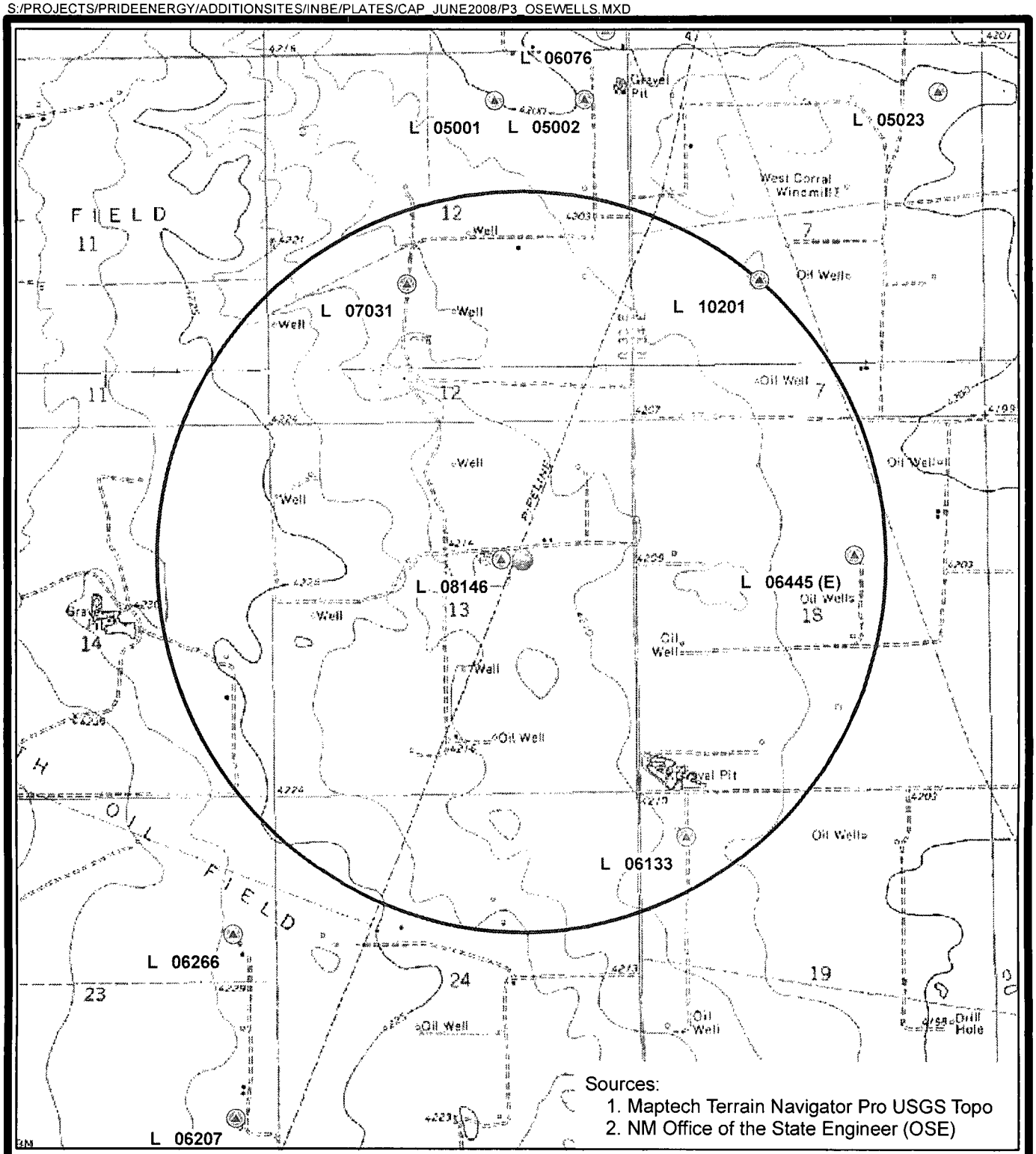
N
W E
S

0 1,000 2,000
Feet

R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ph: 505.266.5004	2005 Aerial Photograph showing INBE #13 Relative to Highway 380	Plate 2
	Pride Energy: INBE #13 Corrective Action Plan	June 2008

6/24/2008

S:/PROJECTS/PRIDEENERGY/ADDITIONSITES/INBE/PLATES/CAP_JUNE2008/P3_OSEWELLS.MXD



Explanation

- INBE #13
- Water well listed in the OSE database
- One mile radius from INBE #13

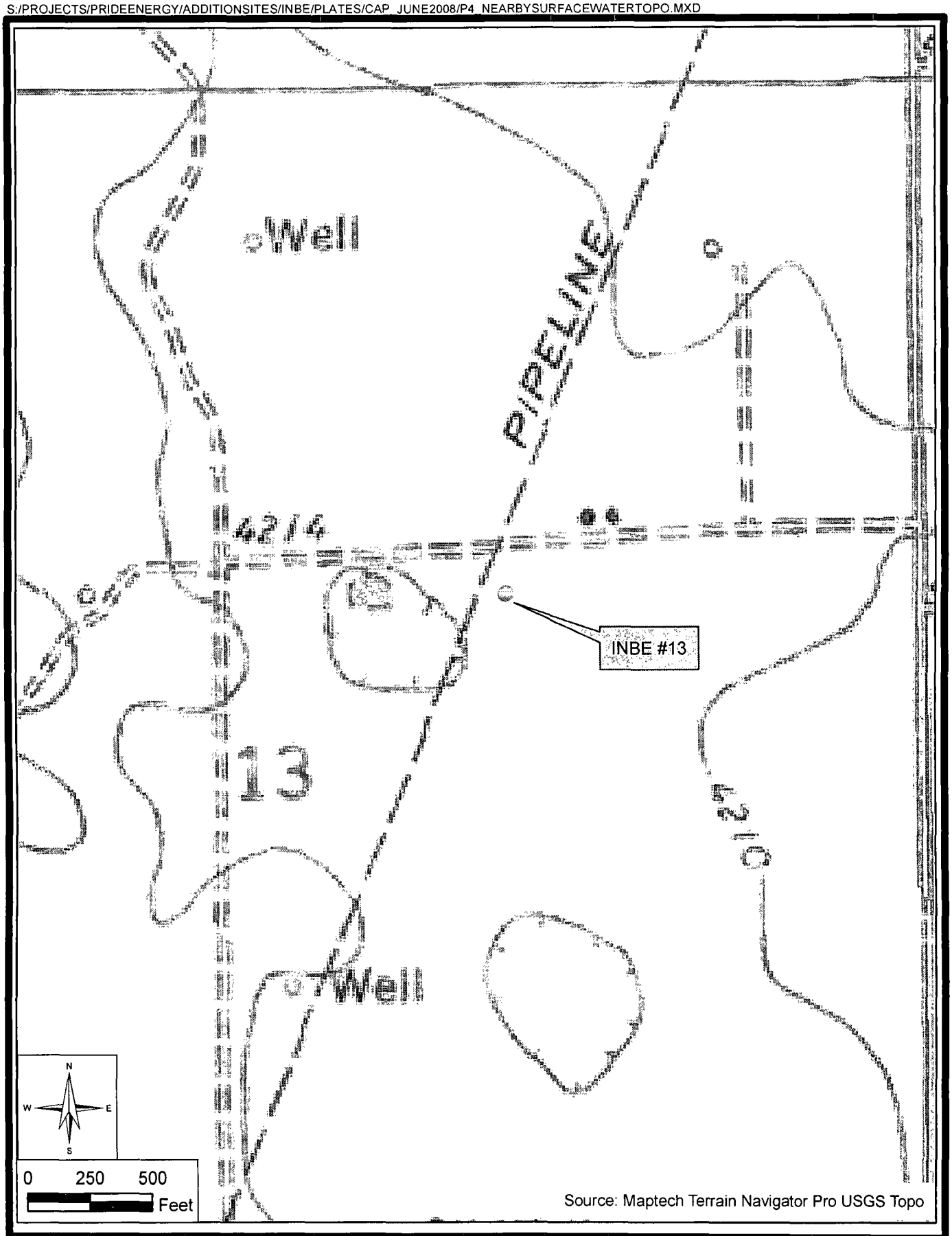
N W E S

0 1,000 2,000 Feet

R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ph: 505.266.5004	USGS Topographic Map Showing Water Wells Listed in the Office of the State Engineer Database	Plate 3
	Pride Energy: INBE #13 Corrective Action Plan	June 2008

6/24/2008

S:/PROJECTS/PRIDEENERGY/ADDITIONSITES/INBE/PLATES/CAP_JUNE2008/P4_NEARBYSURFACEWATERTOPO.MXD

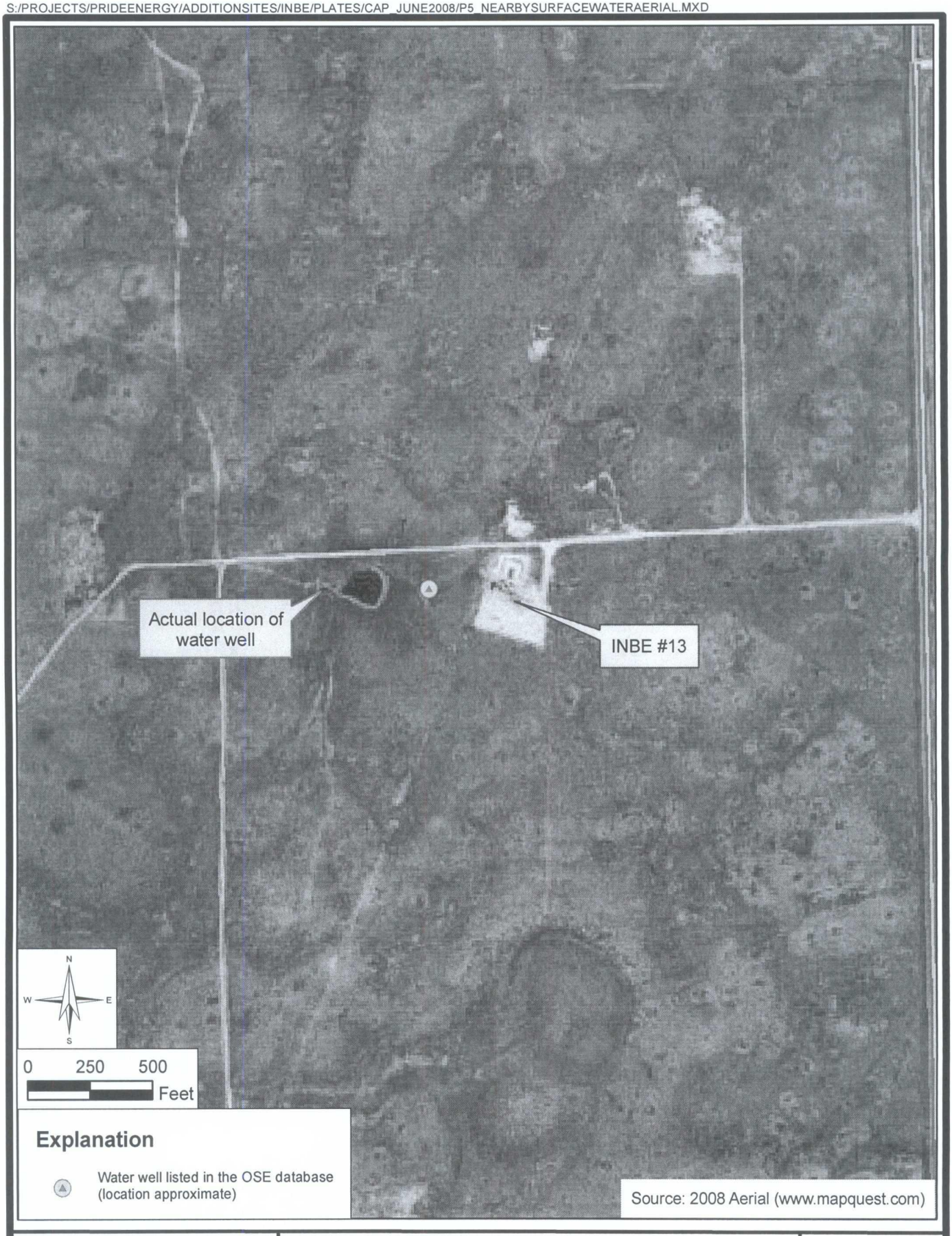


Source: Maptech Terrain Navigator Pro USGS Topo

R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ph: 505.266.5004	USGS Topographic Map Showing Nearby Surface Waters	Plate 4
	Pride Energy: INBE #13 Corrective Action Plan	June 2008

6/25/2008

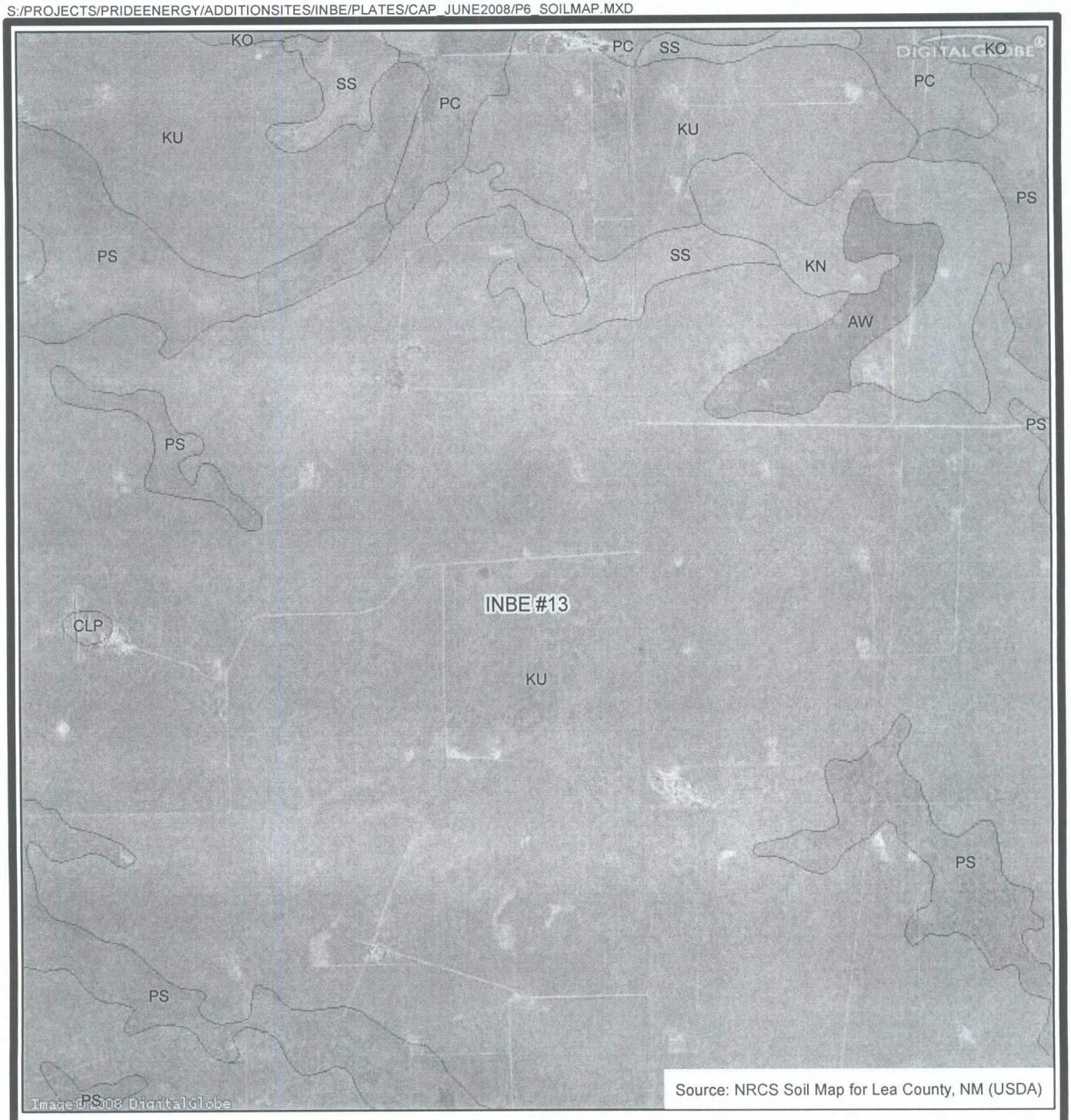
S:/PROJECTS/PRIDEENERGY/ADDITIONSITES/INBE/PLATES/CAP_JUNE2008/P5_NEARBYSURFACEWATERAERIAL.MXD



R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ph: 505.266.5004	2008 Aerial Photograph Showing Nearby Surface Waters	Plate 5
	Pride Energy: INBE #13 Corrective Action Plan	June 2008

6/25/2008

S:/PROJECTS/PRIDEENERGY/ADDITIONSITES/INBE/PLATES/CAP_JUNE2008/P6_SOILMAP.MXD



Explanation

Soil Unit, Soil Name

- AW, Arvana-Lea association
- CLP, Caliche pit
- KN, Kimbrough loam, 0 to 3 percent slopes
- KO, Kimbrough gravelly loam, 0 to 3 percent slopes
- KU, Kimbrough-Lea complex
- PC, Portales loam, 0 to 3 percent slopes
- PS, Portales-Stegall loams
- SS, Stegall and slaughter soils

N W E S

0 1,000 2,000 Feet

R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ph: 505.266.5004	Soils Map	Plate 6
	Pride Energy: INBE #13 Corrective Action Plan	June 2008

6/25/2008

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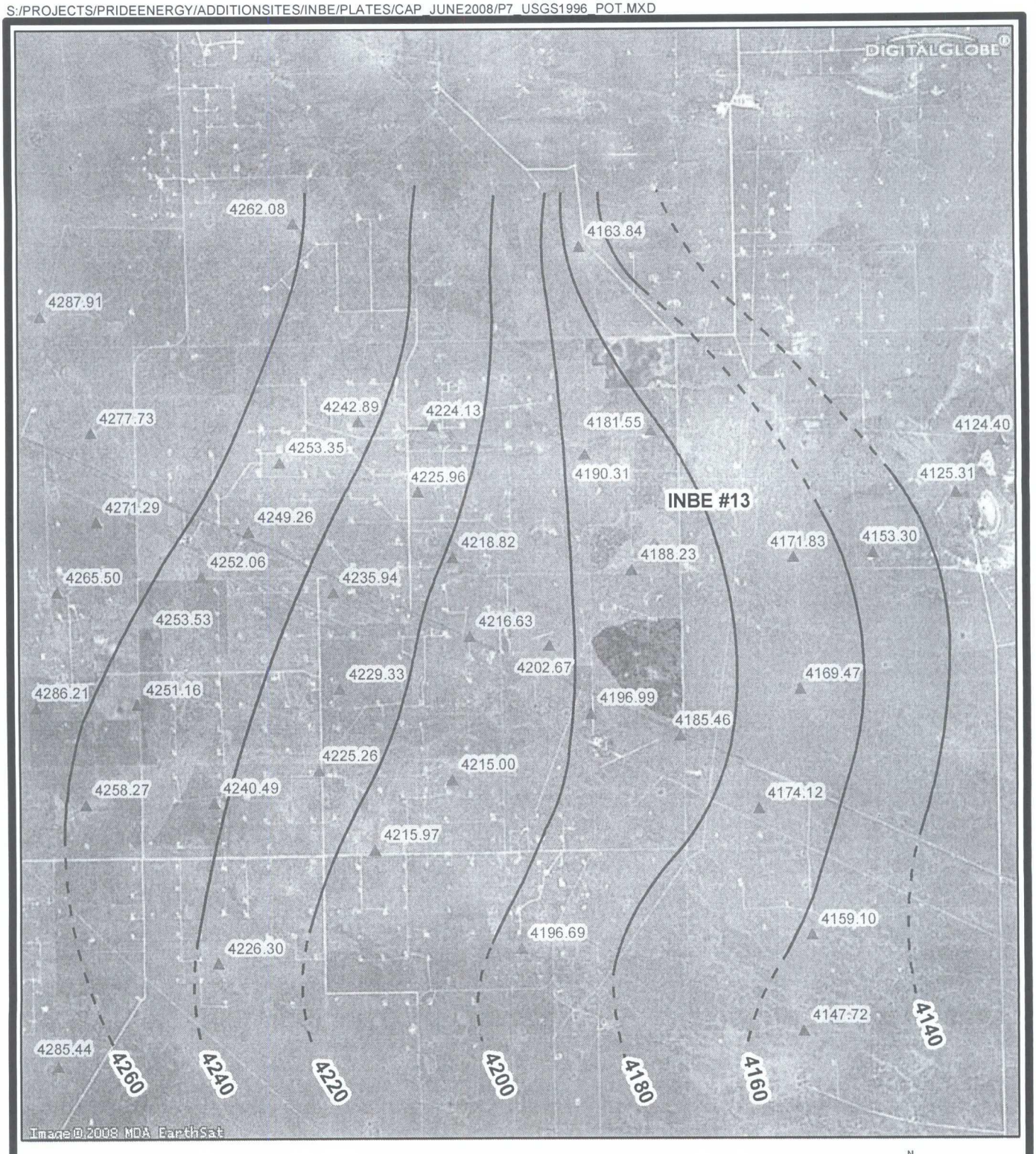


Explanation

▲ USGS gauging station showing 1996 ground water elevation (ft msl)

Potentiometric Surface

——— Equipotential line (feet msl)

– – – Inferred equipotential line (feet msl)

N
W E
S

0 4,000 8,000
Feet

R.T. Hicks Consultants, Ltd 901 Rio Grande Blvd NW Suite F-142 Albuquerque, NM 87104 Ph: 505.266.5004	1996 Potentiometric Surface	Plate 7
	Pride Energy: INBE #13 Corrective Action Plan	June 2008

6/25/2008

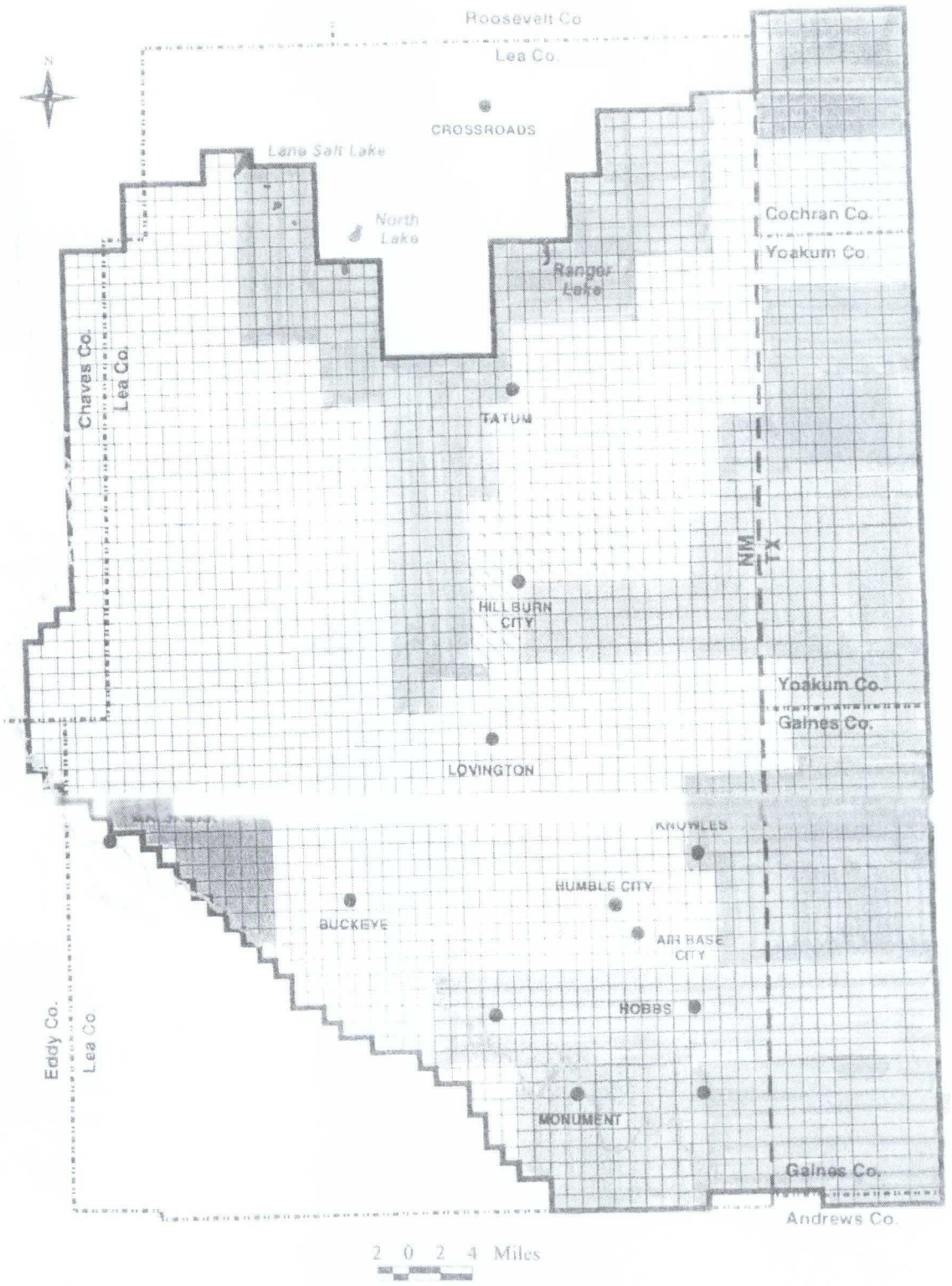
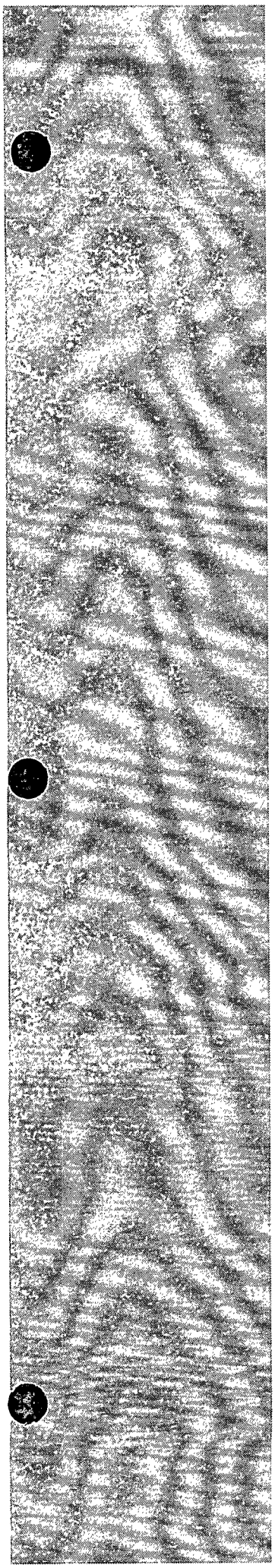


Figure 10 : Hydraulic Conductivity Distribution (ft/day)



Appendix A

Elke Drilling Pit Closure Plan

R.T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office. **For downstream facilities**, submit to Santa Fe office

DEC 2007 Received Hobbs OCD

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Pride Energy Company Telephone: 918-524-9200 e-mail address: larrym@pride-energy.com
Address: P O Box 701950 Tulsa, OK 74170-1950
Facility or well name: Inbe 13 #1 API #: 30-025-37840 U/L or Qtr/Qtr G Sec 13 T 11S R 36E
County: Lea Latitude 33-22-03.2 Longitude 103-33-51.4 NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) **GW = 48'**	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) **XXX** (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) **XXX**
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **XXX**
	Ranking Score (Total Points)	**20 points**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: All excess drilling fluid will be removed. A burial pit will be excavated and lined with a 20 mil liner. The drilling mud will be mixed with Elke Environmental Solidification Product at a 20(mud) to 1(product) ratio to solidify the mud then placed in the burial pit. After all mud is removed the pit bottoms will be sampled Per NMOCD guidelines. The drilling pit will be backfilled with clean native soil and contoured to the surrounding area. A final report will be submitted after completion of The job.

NMOCD Hobbs will be given 48 hrs notice before start of job and 48 hrs notice before testing.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☒.**

Date: 12-10-07
Printed Name/Title Logan Anderson - Agent Signature _____

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title CHRIS WILLIAMS Signature Chris Williams Date: 12/10/07

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768
Phone (432) 366-0043 Fax (432) 366-0884

February 25, 2008

New Mexico Oil Conservation Division
Mr. Chris Williams
1625 N. French Dr.
Hobbs, New Mexico 88240

Re: Pride Energy – Inbe 13 #1
UL 'G' Sec. 13 T11S R33E Lea County, NM
API # 30-025-37840

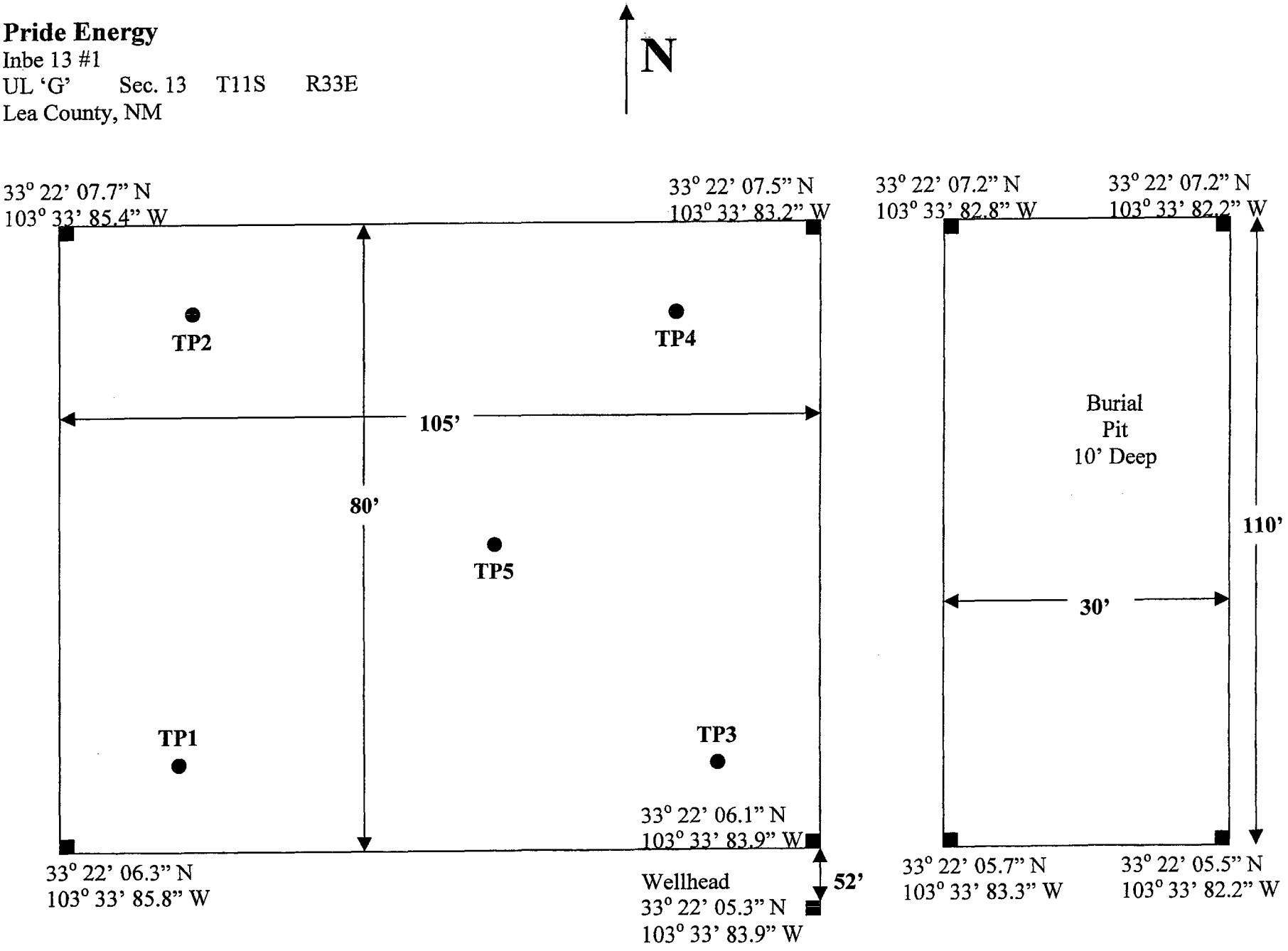
Mr. Chris Williams,

Elke Environmental was contracted by Pride Energy to complete the closure of the Inbe 13 #1 drilling pit. As per the C-144 filed and signed by Chris Williams on 12-10-07 a burial pit was constructed and lined with a 20 mil impervious liner. The drilling mud was mixed with Elke Environmental Solidification Product at a 20 (mud) to 1 (product) ratio to solidify the mud then placed in the burial pit. Bottom samples of the drilling pit were analyzed per NMOCD guidelines. A vertical delineation was performed with a trackhoe, dozer and an auger drill rig to a maximum depth of 31' where the samples did not met NMOCD standards. As per the email between Logan Anderson (Elke) and Chris Williams (NMOCD) on 1-7-08 a monitor well was installed on the southeast corner of the drilling pit and sampled per NMOCD guidelines. The water sample met NMOCD standards so the drilling pit was domed at 4' below ground surface then capped with a 20 mil impervious liner overlapping 3' in all directions. The burial pit was capped with a 20 mil impervious liner and the monitor well was plugged. The site was backfilled with clean native soil and contoured to the surrounding area then seeded with an approved seed mixture. If you have any questions about the enclosed report please contact me at the office.

Sincerely,

Logan Anderson

Pride Energy
Inbe 13 #1
UL 'G' Sec. 13 T11S R33E
Lea County, NM



Elke Environmental, Inc.
P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Pride Energy **Analyst** Jason Jessup

Site Inbe 13 #1

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1	12-31-07	10'		11,413		33° 22' 04.1" N 103° 33' 51.1" W
TP1	1-2-08	15'		1,330		33° 22' 04.1" N 103° 33' 51.1" W
TP1	1-2-08	20'		741		33° 22' 04.1" N 103° 33' 51.1" W
TP1	1-2-08	25'		985		33° 22' 04.1" N 103° 33' 51.1" W
TP1	1-2-08	30'		264	17.3	33° 22' 04.1" N 103° 33' 51.1" W
TP2	12-31-07	10'		7,331		33° 22' 04.3" N 103° 33' 51.0" W
TP2	1-2-08	13'		1,507		33° 22' 04.3" N 103° 33' 51.0" W
TP2	1-2-08	16'		668		33° 22' 04.3" N 103° 33' 51.0" W
TP2	1-2-08	22'		613		33° 22' 04.3" N 103° 33' 51.0" W
TP2	1-2-08	25'		791		33° 22' 04.3" N 103° 33' 51.0" W
TP2	1-2-08	28'		591		33° 22' 04.3" N 103° 33' 51.0" W
TP2	1-2-08	31'		257	8.1	33° 22' 04.3" N 103° 33' 51.0" W
TP3	12-31-07	10'		7,580		33° 22' 03.8" N 103° 33' 50.4" W
TP3	1-2-08	15'		4,104		33° 22' 03.8" N 103° 33' 50.4" W
TP3	1-2-08	20'		3,594		33° 22' 03.8" N 103° 33' 50.4" W
TP3	1-2-08	25'		3,373		33° 22' 03.8" N 103° 33' 50.4" W
TP3	1-2-08	30'		409	4.7	33° 22' 03.8" N 103° 33' 50.4" W
TP4	12-31-07	10'		5,375		33° 22' 04.2" N 103° 33' 50.2" W

Elke Environmental, Inc.
P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Pride Energy **Analyst** Jason Jessup

Site Inbe 13 #1

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP4	1-2-08	15'		2,957		33° 22' 04.2" N 103° 33' 50.2" W
TP4	1-2-08	20'		1,231		33° 22' 04.2" N 103° 33' 50.2" W
TP4	1-2-08	25'		1,091		33° 22' 04.2" N 103° 33' 50.2" W
TP4	1-2-08	30'		234	9.3	33° 22' 04.2" N 103° 33' 50.2" W
TP5	12-31-07	10'		13,626		33° 22' 04.1" N 103° 33' 50.6" W
TP5	1-2-08	15'		7,976		33° 22' 04.1" N 103° 33' 50.6" W
TP5	1-2-08	20'		8,852		33° 22' 04.1" N 103° 33' 50.6" W
TP5	1-2-08	25'		6,301		33° 22' 04.1" N 103° 33' 50.6" W
TP5	1-2-08	30'		1,118	51.5	33° 22' 04.1" N 103° 33' 50.6" W
Background	1-2-08	Surface		268		

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Monitor Well Report Form

Client Pride Energy **Date** 1-28-08

Site Inbe 13 #1

Monitor Well ID	Depth of Water	Total Depth of Well	Feet of Water	Gallons of Water to Purge	Gallons of Water Purged	Time
MW-1	29.7'	52.2'	22.5'	11.0	11.0	12:43pm

Notes Sampled for TPH 8015M and Chloride

Signature _____

Analytical Report 295419

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

10-JAN-08

ENVIRONMENTAL LAB OF

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

10-JAN-08

Project Manager: **Logan Anderson**
Elke Environmental, Inc.
4817 Andrews Hwy
P.O. Box 14167 Odessa, tx 79768
Odessa, TX 79762

Reference: XENCO Report No: **295419**
Pride Energy
Project Address: Inbe 13 #1

Logan Anderson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 295419. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 295419 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 295419

Elke Environmental, Inc., Odessa, TX

Pride Energy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP1@30'	S	Jan-02-08 08:28	30' ft	295419-001
TP2@31'	S	Jan-02-08 09:14	31' ft	295419-002
TP3@30'	S	Jan-02-08 15:01	30' ft	295419-003
TP4@30'	S	Jan-02-08 10:10	30' ft	295419-004
TP5@30'	S	Jan-02-08 12:45	30' ft	295419-005

Certificate of Analysis Summary 295419

Elke Environmental, Inc., Odessa, TX

Project Name: Pride Energy

Project Id:

Contact: Logan Anderson

Project Location: Inbe 13 #1

Date Received in Lab: Fri Jan-04-08 02:45 pm

Report Date: 10-JAN-08

Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	295419-001		295419-002		295419-003		295419-004		295419-005	
	Field Id:	TP1@30'		TP2@31'		TP3@30'		TP4@30'		TP5@30'	
	Depth:	30' ft		31' ft		30' ft		30' ft		30' ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jan-02-08 08:28		Jan-02-08 09:14		Jan-02-08 15:01		Jan-02-08 10:10		Jan-02-08 12:45	
Percent Moisture	*Extracted:*										
	Analyzed:	Jan-07-08 17:30		Jan-07-08 17:30		Jan-07-08 17:30		Jan-07-08 17:30		Jan-07-08 17:30	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		20.3		8.31		15.5		16.7		19.4	
TPH by SW8015 Mod	*Extracted:*	Jan-07-08 14:55		Jan-07-08 14:55		Jan-07-08 14:55		Jan-07-08 14:55		Jan-07-08 14:55	
	Analyzed:	Jan-08-08 14:59		Jan-08-08 15:26		Jan-08-08 15:54		Jan-08-08 16:21		Jan-08-08 16:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	18.8	ND	16.4	ND	17.7	ND	18.0	ND	18.6
C12-C28 Diesel Range Hydrocarbons		ND	18.8	84.9	16.4	ND	17.7	18.9	18.0	19.5	18.6
C28-C35 Oil Range Hydrocarbons		ND	18.8	39.1	16.4	ND	17.7	ND	18.0	ND	18.6
Total TPH		ND		124		ND		18.9		19.5	
Total Chloride by EPA 325.3	*Extracted:*										
	Analyzed:	Jan-07-08 09:10		Jan-07-08 09:10		Jan-07-08 09:10		Jan-07-08 09:10		Jan-07-08 09:10	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		255	5.00	85.1	5.00	425	5.00	213	5.00	1400	5.00

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Pride Energy

Work Order #: 295419 **Project ID:**

Lab Batch #: 711871 **Sample:** 295419-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	112	100	112	70-135	
o-Terphenyl	59.7	50.0	119	70-135	

Lab Batch #: 711871 **Sample:** 295419-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.4	100	89	70-135	
o-Terphenyl	47.5	50.0	95	70-135	

Lab Batch #: 711871 **Sample:** 295419-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.1	100	89	70-135	
o-Terphenyl	48.1	50.0	96	70-135	

Lab Batch #: 711871 **Sample:** 295419-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	55.2	50.0	110	70-135	

Lab Batch #: 711871 **Sample:** 295419-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.4	100	88	70-135	
o-Terphenyl	48.2	50.0	96	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Pride Energy

Work Order #: 295419 **Project ID:**

Lab Batch #: 711871 **Sample:** 295420-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	104	100	104	70-135	
o-Terphenyl	48.9	50.0	98	70-135	

Lab Batch #: 711871 **Sample:** 295420-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.0	100	96	70-135	
o-Terphenyl	46.7	50.0	93	70-135	

Lab Batch #: 711871 **Sample:** 503175-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.6	100	88	70-135	
o-Terphenyl	42.3	50.0	85	70-135	

Lab Batch #: 711871 **Sample:** 503175-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.6	100	84	70-135	
o-Terphenyl	45.2	50.0	90	70-135	

Lab Batch #: 711871 **Sample:** 503175-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	48.3	50.0	97	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Pride Energy

Work Order #: 295419 **Project ID:**

Lab Batch #: 711552 **Sample:** 711552-1-BKS **Matrix:** Solid

Date Analyzed: 01/07/2008 **Date Prepared:** 01/07/2008 **Analyst:** IRO

Reporting Units: mg/kg **Batch #:** 1

	BLANK /BLANK SPIKE RECOVERY STUDY					
Total Chloride by EPA 325.3 **Analytes**	**Blank Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Control Limits %R**	**Flags**
Chloride	ND	100	93.6	94	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Pride Energy

Work Order #: 295419
Analyst: SHE
Lab Batch ID: 711871
Sample: 503175-1-BKS
Units: mg/kg

Date Prepared: 01/07/2008
Batch #: 1

Project ID:
Date Analyzed: 01/08/2008
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	902	90	1000	1020	102	12	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	826	83	1000	930	93	12	70-135	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - LCS / MSD Recoveries

Project Name: Pride Energy

Work Order #: 295419 **Project ID:**

Lab Batch ID: 711871 **QC- Sample ID:** 295420-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/08/2008 **Date Prepared:** 01/07/2008 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1050	1020	97	1050	1030	98	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1050	948	90	1050	948	90	0	70-135	35	

Lab Batch ID: 711552 **QC- Sample ID:** 295419-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 01/07/2008 **Date Prepared:** 01/07/2008 **Analyst:** IRO

Reporting Units: mg/kg

Total Chloride by EPA 325.3 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	255	1000	1230	98	1000	1230	98	0	75-125	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Pride Energy

Work Order #: 295419

Lab Batch #: 711555 **Project ID:**

Date Analyzed: 01/07/2008 **Date Prepared:** 01/07/2008 **Analyst:** JLG

QC- Sample ID: 295419-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	20.3	19.1	6	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Logan Anderson
Company Name: Elke Environmental
Company Address: P O Box 14167
City/State/Zip: Odessa, TX 79768
Telephone No: 432-366-0043 Fax No: 432-366-0884
Sampler Signature:
e-mail: la_elkeenv@yahoo.com

Project Name: Pride Energy
Project #:
Project Loc: Inbe 13 #1
PO #:
Report Format: [X] Standard [ ] TRRP [ ] NPDES

(lab use only)
ORDER #: 295419

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water GW=Groundwater NP=Non-Potable SL=Sludge SW=Surface Water SO=Soil Specify Other	Analyze For: TCLP: TPH: 418.1	8015M	TX 1005	TPH: TX 1005	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Scheduled 24, 48, 72 hrs)	Standard TAT
001	TP1C 30'		30'	1-2-08	8:28A		1	X								S	X				X									X
002	TP2C 31'		31'	1-2-08	9:14A		1	X								S	X				X									X
003	TP3C 30'		30'	1-2-08	3:01 P		1	X								S	X				X									X
004	TP4C 30'		30'	1-2-08	10:10A		1	X								S	X				X									X
005	TP5C 30'		30'	1-2-08	12:45 P		1	X								S	X				X									X

Special Instructions:

	Date	Time		Date	Time
Relinquished by:	1-4-08	2:45P	Received by:		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	01/04/08	14:45

Laboratory Comments:
Sample Containers Intact? (Y) N
VOCs Free of Headspace? (Y) N
Labels on container(s) (Y) N
Custody seals on container(s) (Y) N
Custody seals on cooler(s) (Y) N
Sample Hand Delivered by Sampler/Client Rep. ? (Y) N
by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 5.0 °C

tubsitte

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Enviro.

Date/ Time: 01/04/08 1445.

Lab ID # : 295419

Initials: GMA

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	Yes	No	5.0 °C	
#2 Shipping container in good condition?	Yes	No		
#3 Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5 Chain of Custody present?	Yes	No		
#6 Sample instructions complete of Chain of Custody?	Yes	No		
#7 Chain of Custody signed when relinquished/ received?	Yes	No		
#8 Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	Yes	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11 Containers supplied by ELOT?	Yes	No		
#12 Samples in proper container/ bottle?	Yes	No	See Below	
#13 Samples properly preserved?	Yes	No	See Below	
#14 Sample bottles intact?	Yes	No		
#15 Preservations documented on Chain of Custody?	Yes	No		
#16 Containers documented on Chain of Custody?	Yes	No		
#17 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18 All samples received within sufficient hold time?	Yes	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	Not Applicable	
#20 VOC samples have zero headspace?	Yes	No	Not Applicable	GMA

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☒ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 296653

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

01-FEB-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

01-FEB-08

Project Manager: **Logan Anderson**
Elke Environmental, Inc.
4817 Andrews Hwy
P.O. Box 14167 Odessa, tx 79768
Odessa, TX 79762

Reference: XENCO Report No: **296653**
Pride Energy
Project Address: Inbe 13 # 1

Logan Anderson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 296653. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 296653 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

ENVIRONMENTAL LAB OF

Certificate of Analysis Summary 296653

Elke Environmental, Inc., Odessa, TX

Project Name: Pride Energy

Project Id:
Contact: Logan Anderson
Project Location: Inbe 13 # 1

Date Received in Lab: Mon Jan-28-08 04:46 pm
Report Date: 01-FEB-08
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	296653-001					
	Field Id:	MW-1					
	Depth:	29.7-52.2					
	Matrix:	WATER					
	Sampled:	Jan-28-08 12:46					
TPH by SW8015 MOD	*Extracted:*	Jan-29-08 11:02					
	Analyzed:	Jan-29-08 13:08					
	Units/RL:	mg/L	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	2.50				
C12-C28 Diesel Range Hydrocarbons		ND	2.50				
C28-C35 Oil Range Hydrocarbons		ND	2.50				
Total TPH		ND					
Total Chloride by EPA 325.3	*Extracted:*						
	Analyzed:	Jan-31-08 14:45					
	Units/RL:	mg/L	RL				
Chloride		95.7	5.00				

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Pride Energy

Work Order #: 296653 **Project ID:**

Lab Batch #: 713275 **Sample:** 296653-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH by SW8015 MOD Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	7.48	10.0	75	70-135	
o-Terphenyl	4.61	5.00	92	70-135	

Lab Batch #: 713275 **Sample:** 503924-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH by SW8015 MOD Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.83	10.0	88	70-135	
o-Terphenyl	5.23	5.00	105	70-135	

Lab Batch #: 713275 **Sample:** 503924-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH by SW8015 MOD Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.18	10.0	82	70-135	
o-Terphenyl	4.94	5.00	99	70-135	

Lab Batch #: 713275 **Sample:** 503924-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH by SW8015 MOD Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.71	10.0	87	70-135	
o-Terphenyl	5.11	5.00	102	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Version: 1.006

Blank Spike Recovery

Project Name: Pride Energy

Work Order #: 296653 **Project ID:**

Lab Batch #: 713465 **Sample:** 713465-1-BKS **Matrix:** Water

Date Analyzed: 01/31/2008 **Date Prepared:** 01/31/2008 **Analyst:** IRO

Reporting Units: mg/L **Batch #:** 1

Total Chloride by EPA 325.3 Analytes	BLANK /BLANK SPIKE RECOVERY STUDY					
	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	50.0	46.8	94	80-120	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

Version: 1.006

BS / BSD Recoveries

Project Name: Pride Energy

Work Order #: 296653
Analyst: SHE
Lab Batch ID: 713275
Sample: 503924-1-BKS
Units: mg/L

Date Prepared: 01/29/2008
Batch #: 1

Project ID:
Date Analyzed: 01/29/2008
Matrix: Water

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 MOD Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	100	85.5	86	100	85.3	85	0	70-135	25	
C12-C28 Diesel Range Hydrocarbons	ND	100	103	103	100	102	102	1	70-135	25	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Version: 1.006

ENVIRONMENTAL LAB OF

Form 3 - MS / MSD Recoveries

Project Name: Pride Energy

Work Order # 296653 **Project ID:**

Lab Batch ID: 713465 **QC- Sample ID:** 296653-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 01/31/2008 **Date Prepared:** 01/31/2008 **Analyst:** IRO

Reporting Units: mg/L

	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
Total Chloride by EPA 325.3 **Analytes**	**Parent Sample Result [A]**	**Spike Added [B]**	**Spiked Sample Result [C]**	**Spiked Sample %R [D]**	**Spike Added [E]**	**Duplicate Spiked Sample Result [F]**	**Spiked Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Chloride	95.7	100	596	500	100	606	510	2	80-120	20	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Version: 1.006

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Logan Anderson

Company Name: Elke Environmental

Company Address: P O Box 14167

City/State/Zip: Odessa, TX 79768

Telephone No: 432-368-0043 Fax No: 432-366-0884

Sampler Signature: Logan Anderson e-mail: la_elkeenv@yahoo.com

Project Name: Pride Energy

Project #:

Project Loc: Tobe 13 #1

PO #:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #: 296603

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water GW = Groundwater WW=Wastewater SL=Sludge S=Soil/Solid Specify Other	BTEX 8021B	TPH: 418.1	TPH: TX 1005	TPH: TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO_4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.				RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	MW-1	29.7	52.2	1-28-08	12:46pm		4	X		X						W		X					X										X	

Analyze For:

TCLP:

TOTAL:

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
Logan Anderson	1-28-08	4:46pm			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Andrea Sam	Date 1-28-08	Time 4:46

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	Y	N
Sample Hand Delivered by Sampler/Client Rep. ?	Y	N

by Courier? UPS DHL FedEx Lone Star

VOA

Temperature Upon Receipt: 6.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Env.

Date/ Time: 1.28.08 4:46

Lab ID #: 296653

Initials: ac

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	6.0 °C	
#2 Shipping container in good condition?	(Yes)	No		
#3 Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5 Chain of Custody present?	(Yes)	No		
#6 Sample instructions complete of Chain of Custody?	(Yes)	No		
#7 Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8 Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11 Containers supplied by ELOT?	(Yes)	No		
#12 Samples in proper container/ bottle?	(Yes)	No	See Below	
#13 Samples properly preserved?	Yes	(No)	See Below	
#14 Sample bottles intact?	(Yes)	No		
#15 Preservations documented on Chain of Custody?	(Yes)	No		
#16 Containers documented on Chain of Custody?	(Yes)	No		
#17 Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18 All samples received within sufficient hold time?	(Yes)	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20 VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: Logan Contacted by: Brent Date/ Time: 1.28.08

Regarding: #13 All samples are preserved w/ HCl, can not run Cl because we do not have any sample unpreserved.

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☑ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office
For downstream facilities, submit to Santa Fe office

DEC 2007
Received
Hobbs
OCD

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Pride Energy Company Telephone: 918-524-9200 e-mail address: larrym@pride-energy.com
Address: P O Box 701950 Tulsa, OK 74170-1950
Facility or well name: Inbe 13 #1 API #: 30-025-37840 U/L or Qtr/Qtr G Sec 13 T 11S
County: Lea Latitude 33-22-03.2 Longitude 103-33-51.4 NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) **GW = 48'**	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) **XXX** (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) **XXX**
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) **XXX**
	Ranking Score (Total Points)	**20 points**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: All excess drilling fluid will be removed. A burial pit will be excavated and lined with a 20 mil liner. The drilling mud will be mixed with Elke Environmental Solidification Product at a 20(mud) to 1(product) ratio to solidify the mud then placed in the burial pit. After all mud is removed the pit bottoms will be sampled Per NMOCD guidelines. The drilling pit will be backfilled with clean native soil and contoured to the surrounding area. A final report will be submitted after completion of The job.

NMOCD Hobbs will be given 48 hrs notice before start of job and 48 hrs notice before testing.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☒.**

Date: 12-10-07
Printed Name/Title Logan Anderson - Agent Signature

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:
Printed Name/Title CHRIS WILLIAMS Signature Chris Williams Date: 12/10/07

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Final Report

Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Pride Energy Company Telephone: 918-524-9200 e-mail address: larrym@pride-energy.com
Address: P O Box 701950 Tulsa, OK 74170-1950
Facility or well name: Inbe 13 #1 API #: 30-025-37840 U/L or Qtr/Qtr G Sec 13 T 11S R 33E
County: Lea Latitude 33-22-03.2 Longitude 103-33-51.4 NAD: 1927 ☐ 1983 ☐
Surface Owner: Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☒ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Pit Volume _____ bbl	Volume: ____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes ☐ If not, explain why not.	
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) XXX (10 points) (0 points)
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes No	(20 points) (0 points) XXX
Distance to surface water: (horizontal distance to all wetlands, playas, ion canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) XXX
	Ranking Score (Total Points)	**20 points**

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility_____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface_____ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: A burial pit was excavated and lined with a 20 mil liner. The drilling mud was mixed with Elke Environmental Solidification Product at a 20(mud) to 1(product) ratio to solidify the mud then placed in the burial pit. The burial pit was capped with a 20 mil impervious liner. After all mud was removed the pit bottoms were sampled Per NMOCD guidelines. A vertical delineation was performed with a trackhoe and an auger drill rig. Samples did not met NMOCD standards at a depth of 31'. A monitor well was installed on the southeast corner of the drilling pit and sampled per NMOCD guidelines. The water sample met NMOCD standards. The monitor well was plugged. The drilling pit was domed at 4' below ground surface and capped with a 20 mil impervious liner overlapping 3' in all directions. The site was backfilled with clean native soil and contoured to the surrounding area then seeded with a seed mixture approved by the landowner.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☒.**

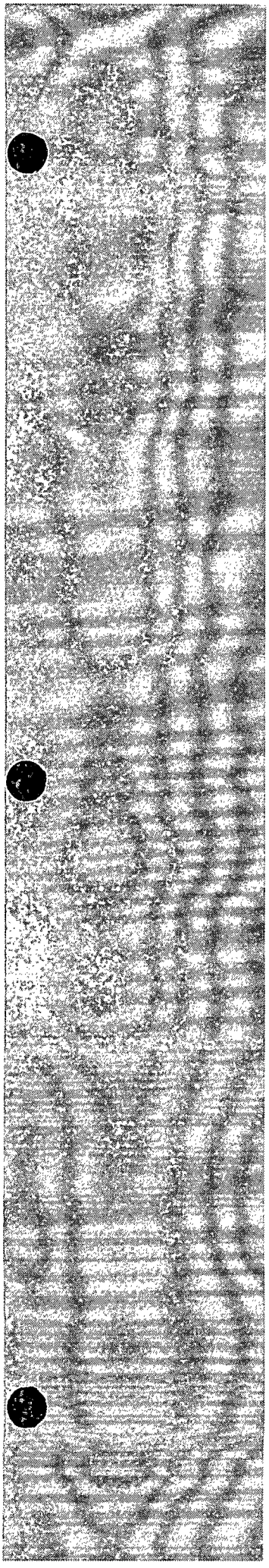
Date: _____

Printed Name/Title _____ Signature _____

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

oval:

Printed Name/Title _____ Signature _____ Date: _____



Appendix B

Kimbrough-Lea Complex Soil Unit

R.T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

Appendix B

KU—Kimbrough-Lea complex

Map Unit Setting

- Elevation: 3,600 to 4,200 feet
- Mean annual precipitation: 12 to 15 inches
- Mean annual air temperature: 58 to 60 degrees F
- Frost-free period: 195 to 205 days

Map Unit Composition

- Kimbrough and similar soils: 50 percent
- Lea and similar soils: 30 percent

Description of Kimbrough

Setting

- Landform: Plains
- Landform position (three-dimensional): Rise
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Calcareous alluvium and/or calcareous eolian deposits derived from sedimentary rock

Properties and qualities

- Slope: 0 to 3 percent
- Depth to restrictive feature: 4 to 20 inches to petrocalcic
- Drainage class: Well drained
- Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 20 percent
- Gypsum, maximum content: 1 percent
- Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
- Sodium adsorption ratio, maximum: 2.0
- Available water capacity: Very low (about 0.8 inches)

Interpretive groups

- Land capability (nonirrigated): 7s

- Ecological site: Very Shallow (R077XD074NM)

Typical profile

- 0 to 6 inches: Gravelly loam
- 6 to 16 inches: Cemented material

Description of Lea

Setting

- Landform: Plains
- Landform position (three-dimensional): Rise
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Loamy alluvium derived from sedimentary rock

Properties and qualities

- Slope: 0 to 3 percent
- Depth to restrictive feature: 20 to 40 inches to petrocalcic
- Drainage class: Well drained
- Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
- Depth to water table: More than 80 inches
- Frequency of flooding: None
- Frequency of ponding: None
- Calcium carbonate, maximum content: 35 percent
- Gypsum, maximum content: 1 percent
- Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
- Sodium adsorption ratio, maximum: 2.0
- Available water capacity: Low (about 4.6 inches)

Interpretive groups

- Land capability classification (irrigated): 4e
- Land capability (nonirrigated): 4s
- Ecological site: Loamy (R077XD073NM)

Typical profile

- 0 to 10 inches: Loam
- 10 to 26 inches: Loam
- 26 to 36 inches: Cemented material

Appendix C

MW Well Log

R.T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

1. OWNER OF WELL

Name: Pride Energy Work Phone: _____
Contact: _____ Home Phone: _____
Address: P.O. Box 701950
City: Tulsa State: OK Zip: 74170

2. LOCATION OF WELL (A,B,C, or D required, E or F if known)

A. ____ 1/4 ____ 1/4 ____ 1/4 Section: 13 Township: 11S Range: 33E N.M.P.M.
in Lea County.

B. X = _____ feet, Y = _____ feet, N.M. Coordinate System
_____ Zone in the _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 33 d 22 m 04.0 s Longitude: 103 d 33 m 50.5 s

D. East _____ (m), North _____ (m), UTM Zone 13, NAD _____ (27 or 83)

E. Tract No. _____, Map No. _____ of the _____ Hydrographic Survey

F. Lot No. _____, Block No. _____ of Unit/Tract _____ of the
_____ Subdivision recorded in _____ County.

G. Other: _____

H. Give State Engineer File Number if existing well: _____

I. On land owned by (required): State of New Mexico

3. DRILLING CONTRACTOR

License Number: WD-1456
Name: White Drilling Company, Inc. Work Phone: 325-893-2950
Agent: John W. White Home Phone: 325-893-2950
Mailing Address: P.O. Box 906
City: Clyde State: TX Zip: 79510

4. DRILLING RECORD: INBE 13 Well #1 MW-1

Drilling began: 01/22/08 ; Completed: 01/22/08 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 50.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 26.40 ft.

File Number: _____ Trn Number: _____
Form: wr-20 page 1 of 4

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: INBE 13 Well #1 MW-1

Depth in Feet From	Depth in Feet To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)
26.40	50.0	23.6	Reddish brown sandy clay	

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
2.0	Sch. 40	4.0	0.0	30.0	30.0			
2.0	.020	4.0	30.0	50.0	20.0		30.0	50.0

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
50.0	28.0	6 1/8	10.0		8/16 sand.
28.0	10.0	6 1/8	3.0		Bentonite Pellets
10.0	0.0	6 1/8	10.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: White Drilling Company, Inc.
Address: P.O. Box 906, Clyde, TX 79510
Plugging Method: Hand Mix
Date Well Plugged: 02/04/2008

Plugging approved by: Chris Williams with NMOCD
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1	20.0	50.0	1/Bent. Pellets
2	0.0	20.0	1/Cement
3			
4			
5			

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: INBE 13 Well#1 MW-1

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	24.0	24.0	Caliche.
24.0	50.0	26.0	Reddish brown sandy clay.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: INBE 13 Well#1 MW-1

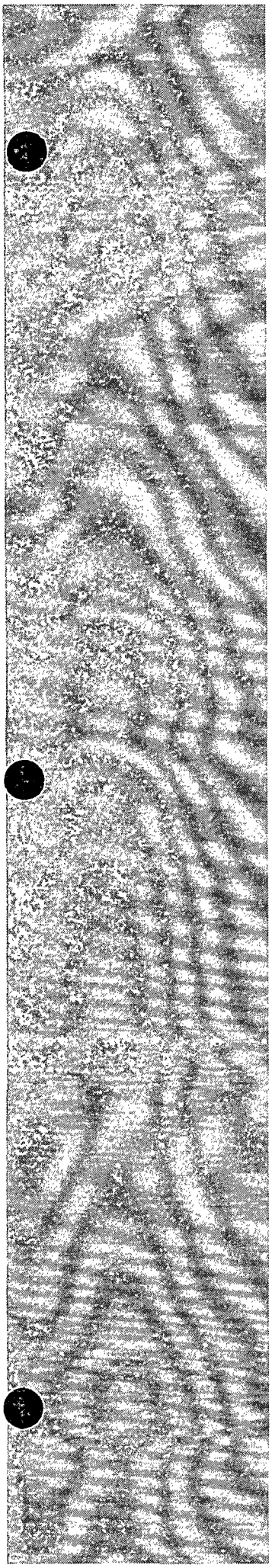
The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

_____ 2/21/08
Driller (mm/dd/year)

FOR STATE ENGINEER USE ONLY

Quad _____ ;FWL _____ ;FSL _____ ;Use _____ ;Location No. _____

File Number: _____ Trn Number: _____



Appendix D

Laboratory Data

R.T. Hicks Consultants, Ltd.
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

Analytical Report 304932

for

Pride Energy Company

Project Manager: Matt Pride

Pride Energy Company

INBE 13 #1

09-JUN-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675
Norcross(Atlanta), GA E87429

South Carolina certification numbers:
Norcross(Atlanta), GA 98015

North Carolina certification numbers:
Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

09-JUN-08

Project Manager: **Matt Pride**
Pride Energy Company
P.O. Box 701950

Tulsa, OK 74170

Reference: XENCO Report No: **304932**
Pride Energy Company
Project Address: T11S-R33E, Section 13, Unit Leter G

Matt Pride:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 304932. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 304932 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II
Odessa Laboratory Manager

Sample Cross Reference 304932

Pride Energy Company, Tulsa, OK

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Windmill (L-08146)	W	May-28-08 13:00		304932-001

Certificate of Analysis Summary 304932
Pride Energy Company, Tulsa, OK

Project Name: Pride Energy Company

Project Id: INBE 13 #1
Contact: Matt Pride
Project Location: T11S-R33E, Section 13, Unit Leter G

Date Received in Lab: May-31-08 01:05 pm
Report Date: 09-JUN-08
Project Manager: Brent Barron, II

Analysis Requested					
	Lab Id:	304932-001			
	Field Id:	Windmill (L-08146)			
	Depth:				
	Matrix:	WATER			
	Sampled:	May-28-08 13:00			
Alkalinity by SM2320B	***Extracted:***				
	Analyzed:	Jun-06-08 15:00			
	Units/RL:	mg/L	RL		
Alkalinity, Total (as CaCO3)		168	4.00		
Inorganic Anions by EPA 300	***Extracted:***				
	Analyzed:	Jun-02-08 10:36			
	Units/RL:	mg/L	RL		
Chloride		46.3	2.50		
Sulfate		128	2.50		
Metals per ICP by SW846 6010B	***Extracted:***				
	Analyzed:	Jun-04-08 00:00			
	Units/RL:	mg/L	RL		
Calcium		82.6	0.100		
Magnesium		10.8	0.010		
Potassium		1.16	0.500		
Sodium		36.8	0.500		
TDS by SM2540C	***Extracted:***				
	Analyzed:	Jun-02-08 16:15			
	Units/RL:	mg/L	RL		
Total dissolved solids		384	5.00		

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL(PQL) and above the SQL(MDL).

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Blank Spike Recovery

Project Name: Pride Energy Company

Work Order #: 304932 **Project ID:** INBE 13 #1

Lab Batch #: 724706 **Sample:** 724706-1-BKS **Matrix:** Water

Date Analyzed: 06/06/2008 **Date Prepared:** 06/06/2008 **Analyst:** WRU

Reporting Units: mg/L **Batch #:** 1

Alkalinity by SM2320B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
	BLANK /BLANK SPIKE RECOVERY STUDY					
Alkalinity, Total (as CaCO3)	ND	200	174	87	80-120	

Lab Batch #: 724230 **Sample:** 724230-1-BKS **Matrix:** Water

Date Analyzed: 06/02/2008 **Date Prepared:** 06/02/2008 **Analyst:** LATCOR

Reporting Units: mg/L **Batch #:** 1

Inorganic Anions by EPA 300 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
	BLANK /BLANK SPIKE RECOVERY STUDY					
Chloride	ND	10.0	10.1	101	85-115	
Sulfate	ND	10.0	9.03	90	90-110	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

Form 3 - MS Recoveries

Project Name: Pride Energy Company

Work Order #: 304932
Lab Batch #: 724230
Project ID: INBE 13 #1
Date Analyzed: 06/02/2008
Date Prepared: 06/02/2008
Analyst: LATCOR
QC- Sample ID: 304831-001 S
Batch #: 1
Matrix: Water
Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	34.6	50.0	77.6	86	85-115	
Sulfate	13.6	50.0	55.2	83	90-110	X

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

Sample Duplicate Recovery

Project Name: Pride Energy Company

Work Order #: 304932

Lab Batch #: 724706 **Project ID:** INBE 13 #1
Date Analyzed: 06/06/2008 **Date Prepared:** 06/06/2008 **Analyst:** WRU
QC- Sample ID: 304932-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Alkalinity by SM2320B	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Alkalinity, Total (as CaCO3)	168	172	2	20	

Lab Batch #: 724230
Date Analyzed: 06/02/2008 **Date Prepared:** 06/02/2008 **Analyst:** LATCOR
QC- Sample ID: 304831-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Inorganic Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	34.6	26.5	27	20	F
Sulfate	13.6	10.8	23	20	F

Lab Batch #: 724477
Date Analyzed: 06/04/2008 **Date Prepared:** 06/04/2008 **Analyst:** LATCOR
QC- Sample ID: 304932-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Metals per ICP by SW846 6010B	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Calcium	82.6	80.9	2	25	
Magnesium	10.8	10.3	5	25	
Potassium	1.16	1.28	10	25	
Sodium	36.8	36.3	1	25	

Lab Batch #: 724353
Date Analyzed: 06/02/2008 **Date Prepared:** 06/02/2008 **Analyst:** WRU
QC- Sample ID: 304932-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

TDS by SM2540C	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	384	356	8	30	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

XENCO Laboratories / Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name:	Pride Energy Company	Company Name:	R. T. Hicks Consultants Ltd.	Project Name:	Pride Energy Company
Direct Invoice To:	Matt Pride	Project Manager:	Randy Hicks	Project #:	INBE 13 #1
Billing Address:	P. O. Box 710950	Address	901 Rio Grande Blvd NW	Project Location:	T11S-R33E, Section 13, Unit Letter G
City, State, Zip Code:	Tulsa, OK 74170-1950	City, State, Zip Code:	Albuquerque, NM 87104	COC #:	
Telephone No:	918-524-9200	Telephone No:	505-266-5004		
Fax No:	918-524-9292	Fax No:	505-266-0745		
Email Report to:	mattp@pride-energy.com	Email Report to:	r@rthicksconsult.com		
Sampler:	Gil Van Deventer				

Printed / Signature

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: ice	HNO3	HCl BTEX only	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: TCLP: TPH 418.1 / 8015M	TCLP: Cations (Ca, Mg, Na, K, Fe)	TCLP: Anions (Cl, SO4, CO3, HCO3)	TCLP: SAR / ESP / CEC	TCLP: Metals: As Ag Ba Cd Cr Pb Hg Se	TCLP: Volatiles	TCLP: Semivolatiles	TCLP: BTEX / PCB	TOTAL: TCLP	TOTAL: N.O.R.M.	TOTAL: Total Petroleum Hydrocarbons (TPH)	TOTAL: SPLP 1312	TOTAL: Chloride	TOTAL: Total Fe and Mn	RUSH TAT (Pre-Schedule)	Standard TAT	
304033	Windmill (L-08146)	05/28/08	1300	1	X							X				X	X								X						X	

Special Instructions:
Email results to: r@rthicksconsult.com and mattp@pride-energy.com

Sample Containers Intact? Yes / No
Temperature Upon Receipt: 7.0°C
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Gil Van Deventer	5/31/08	11:05			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Linda San Francisco	5/31/08	13:05

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Pride Energy company

Date/ Time: 5/31/08 14:18

Lab ID # : 304932

Initials: JG

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	7.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, June 23, 2008

Katie Lee
R.T. Hicks Consultants, LTD
901 Rio Grande Blvd. NW
Suite F-142
Albuquerque, NM 87104

TEL: (505) 266-5004
FAX (505) 266-0745

RE: Pride Energy

Order No.: 0806226

Dear Katie Lee:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 6/16/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

Hall Environmental Analysis Laboratory, Inc. **Date:** *23-Jun-08*

CLIENT: R.T. Hicks Consultants, LTD
Project: Pride Energy
Lab Order: 0806226

CASE NARRATIVE

See Corrective Action: [1487] TCLP leachate 0806226-08B reported with 21ppm CL in TCLP fluid MB for 300_W

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H2 com
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 10:30:00 AM
Lab ID:	0806226-01A	**Date Received:** 6/16/2008	**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ASTM 2216: PERCENT MOISTURE						Analyst: **CMH**
Percent Moisture	13	0.10		wt%	1	6/16/2008
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	4700	15		mg/Kg-dry	50	6/17/2008 9:02:41 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank	
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded	
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level	
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit	
	S	Spike recovery outside accepted recovery limits			

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H3 com
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 11:10:00 AM
Lab ID:	0806226-02A	**Date Received:** 6/16/2008	**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ASTM 2216: PERCENT MOISTURE						Analyst: **CMH**
Percent Moisture	9.5	0.10		wt%	1	6/16/2008
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	4700	30		mg/Kg-dry	100	6/17/2008 9:20:05 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H4 com
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 11:30:00 AM
Lab ID:	0806226-03A	**Date Received:** 6/16/2008	**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ASTM 2216: PERCENT MOISTURE						Analyst: **CMH**
Percent Moisture	8.7	0.10		wt%	1	6/16/2008
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	3500	30		mg/Kg-dry	100	6/17/2008 9:37:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H1 5' bgs
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 10:00:00 AM
Lab ID:	0806226-04A **Date Received:** 6/16/2008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ASTM 2216: PERCENT MOISTURE						Analyst: **CMH**
Percent Moisture	19	0.10		wt%	1	6/16/2008
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	15000	60		mg/Kg-dry	200	6/17/2008 12:31:38 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H2 7' bgs
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 10:30:00 AM
Lab ID:	0806226-05A **Date Received:** 6/16/2008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ASTM 2216: PERCENT MOISTURE						Analyst: **CMH**
Percent Moisture	16	0.10		wt%	1	6/16/2008
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	10000	30		mg/Kg-dry	100	6/17/2008 10:47:09 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H2 solid
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 10:20:00 AM
Lab ID:	0806226-06A **Date Received:** 6/16/2008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ASTM 2216: PERCENT MOISTURE						Analyst: **CMH**
Percent Moisture	16	0.10		wt%	1	6/16/2008
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	16000	60		mg/Kg-dry	200	6/17/2008 12:49:02 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H3 solid
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 10:40:00 AM
Lab ID:	0806226-07A	**Date Received:** 6/16/2008	**Matrix:** SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ASTM 2216: PERCENT MOISTURE						Analyst: **CMH**
Percent Moisture	28	0.10		wt%	1	6/16/2008
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	20000	150		mg/Kg-dry	500	6/17/2008 1:06:27 PM

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H4 solid
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 11:20:00 AM
Lab ID:	0806226-08A **Date Received:** 6/16/2008	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ASTM 2216: PERCENT MOISTURE						Analyst: **CMH**
Percent Moisture	24	0.10		wt%	1	6/16/2008
EPA METHOD 9056A: ANIONS						Analyst: **SLB**
Chloride	20000	150		mg/Kg-dry	500	6/17/2008 1:58:42 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

9

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H4 solid
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 11:20:00 AM
Lab ID:	0806226-08B **Date Received:** 6/16/2008	**Matrix:**	LEACHATE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS SPLP EXTRACT						Analyst: **SLB**
Chloride	1200	5.0		mg/L	50	6/21/2008 5:25:53 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Value above quantitation range
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Jun-08*

CLIENT:	R.T. Hicks Consultants, LTD	**Client Sample ID:**	H4 solid
Lab Order:	0806226	**Tag Number:**	
Project:	Pride Energy	**Collection Date:**	6/11/2008 11:20:00 AM
Lab ID:	0806226-08C	**Date Received:** 6/16/2008	**Matrix:** LEACHATE

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS TCLP EXTRACT						Analyst: **SLB**
Chloride	1200	5.0		mg/L	50	6/21/2008 6:52:56 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: R.T. Hicks Consultants, LTD
Project: Pride Energy **Work Order:** 0806226

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 9056A: Anions									
Sample ID: MB-16221		*MBLK*			Batch ID: **16221**		Analysis Date:	6/16/2008 10:53:20 PM	
Chloride	ND	mg/Kg	0.30						
Sample ID: MB-16220		*MBLK*			Batch ID: **16220**		Analysis Date:	6/19/2008 2:42:57 PM	
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-16221		*LCS*			Batch ID: **16221**		Analysis Date:	6/16/2008 11:10:46 PM	
Chloride	14.86	mg/Kg	0.30	99.1	90	110			
Sample ID: LCS-16220		*LCS*			Batch ID: **16220**		Analysis Date:	6/19/2008 3:00:22 PM	
Chloride	14.51	mg/Kg	0.30	96.7	90	110			
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID: **R29032**		Analysis Date:	6/20/2008 9:24:40 AM	
Chloride	ND	mg/L	0.10						
Sample ID: LCS		*LCS*			Batch ID: **R29032**		Analysis Date:	6/20/2008 9:42:04 AM	
Chloride	4.954	mg/L	0.10	99.1	90	110			

Qualifiers:

- E Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name RT HICKS | Date Received: 6/16/2008

Work Order Number 0806226 | Received by: AT

Checklist completed by: Signature | Date 6/16/08 | Sample ID labels checked by: Initials TB

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☑		Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	28°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: RT Hicks

Address:

Phone #:

email or Fax#: Katie@rthicksconsult.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☐ Rush

Project Name: Pride Energy

Project #: INBE 13#1

Project Manager: Katie Lee

Sampler:

On Ice: ☐ Yes ☐ No

Sample Temperature: 2°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0806226	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	total cl	soil moisture	cl via TCLP/SPLP WET		Air Bubbles (Y or N)
6.11.08	1030	H2-com			1												X	X			
"	1110	H3-com			2																
	1130	H4-com			3																
	1000	H1-5'bgs			4												X	X	X		
	1030	H2-7'bgs			5																
	1020	H2-solid			6																
	1040	H3-solid			7																
"	1120	H4-solid			8												X				

Date:	Time:	Relinquished by:	Received by:
6.12.08	1650	Katie Lee	6/12/08 1650
Date:	Time:	Relinquished by:	Received by:

Remarks: Total Cl only 48hr. TAT per K-L 6/13/08

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.