1R - 501

REPORT AND REMEDIATION PROPOSAL

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February 28, 2009

TRIDENT ENVIRONMENTAL

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Mr. Glenn von Gonten
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: Site Investigation Report and Corrective Action Plan
Pride Energy Company – State 36 #2 Site (API # 30-025-36909)
T19S-R37E, Section 36, Unit Letter O
Lea County, New Mexico

Dear Mr. von Gonten:

As agent for Pride Energy Company, Trident Environmental submits the attached *Site Investigation Report and Corrective Action Plan* for the above-referenced site.

Data collected to date indicate chloride and total dissolved solids (TDS) concentrations in groundwater exceed the standards in 20.6.2.3103 NMAC (250 mg/L and 1,000 mg/L, respectively). Chloride concentrations above 1,000 mg/kg exist in the vadose zone below the former drilling pit. The suspected source of the chloride in the vadose zone and groundwater at the site is the former drilling pit. Regulated hydrocarbons (benzene, toluene, ethylbenzene, and xylenes) are not present in groundwater or the vadose zone.

This report includes the findings of site characterization activities, a work plan for further investigations to determine the extent of groundwater impairment, and proposed corrective actions as a remedy to vadose zone and groundwater conditions.

Please feel free to contact me at (432) 638-8740 or Matthew Pride at (918) 524-9200.

Sincerely,

Gilbert J. Van Deventer, PG, REM
Project Manager

cc: Matthew Pride (Pride Energy Company, Tulsa, OK)

1R-501

SITE INVESTIGATION REPORT AND CORRECTIVE ACTION PLAN
STATE 36 #2 SITE (API # 30-025-36909)
TOWNSHIP 19 SOUTH, RANGE 37 EAST, SECTION 136 UNIT O
LEA COUNTY, NEW MEXICO

FEBRUARY 28, 2009

Prepared For:

Pride Energy Company
P. O. Box 701950
Tulsa, OK 74170

Prepared By:

TRIDENT ENVIRONMENTAL

P. O. Box 7624
Midland, Texas 79708

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

1.0 EXECUTIVE SUMMARY

The State 36 #2 well site (API # 30-025-36909) is located in Township 19 South, Range 37 East, Section 36, and Unit Letter O (N 32° 36' 44", W 103° 12' 14").

The former drilling pit contents were removed, mixed with a stabilization/solidification product (20:1 mud to product ratio) and buried in a 20-mil plastic-lined excavation adjacent to the east side of the former drilling pit. This work was done by Elke Environmental (Elke) in mid-February 2008 in accordance with an NMOCD-approved C-144 form (Appendix E).

Preliminary assessment of the soil and groundwater conditions was then conducted by Elke during the last week of February 2008, which included the sampling at five test points (TP-1 through TP-5) within the former drilling pit and installation of a monitoring well (MW-1) adjacent to the northwest corner of the pit.

After review of the data collected by Elke, Trident Environmental (Trident) re-sampled the on site monitoring well on March 27, 2008, to verify groundwater impact. Based on the results of the re-sampling activity it was determined that the constituents of concern are chloride and total dissolved solids (TDS). The laboratory did not detect benzene, toluene, ethylbenzene, or xylenes (BTEX) in the March sample. Regulated hydrocarbons (BTEX) were not analyzed during Elke's February sampling event.

Since the prevailing groundwater gradient in the regional area is to the southeast, and there was a possibility of an upgradient offsite source due to regional impacts in the Monument area, a second monitoring well (MW-2) was installed adjacent to the southeast corner of the drilling pit under the oversight of Trident on May 2, 2008. Review of laboratory analysis of groundwater samples collected from MW-2 on May 8, 2008, confirms that the former drilling pit is a source of chlorides and TDS observed in groundwater at the site. Therefore, on June 4, 2008, monitoring well MW-3 was installed approximately 100 feet southeast of MW-2 and monitoring well MW-4 about 80 ft east of the east edge of the former drilling pit for further delineation. Subsequent sampling events confirm groundwater is impacted with chlorides and TDS beyond the boundary of the former drilling pit, and that the gradient direction is in the northeasterly direction, which is anomalous to the prevailing southeast direction for the region.

The conclusions of the site characterization activities are summarized below.

- Based on the soil boring data obtained by Elke in February 2008 and by Trident in May and June 2008, the chloride impact to the vadose zone is limited to the area within the perimeter of the former drilling pit.

- Chloride and TDS concentrations from groundwater samples collected at monitoring well MW-1, MW-2, MW-3, and MW-4 exceed WQCC standards. The highest chloride and TDS levels have been observed in monitoring well MW-2 with levels of 1,300mg/L and 2,900 mg/L, respectively, during the most recent sampling event in December 2008.

- Regulated hydrocarbons (BTEX) are not present in groundwater or the vadose zone.

- The potential well yield for possible beneficial use of groundwater at the site is very low due to the limited thickness of the aquifer (less than 10 feet), observations of low yields during monitoring well development activities, and water table elevation declines of approximately one foot per year. It is unlikely a well completed in the area would yield greater than 150 gallons per day which is considered inadequate for any beneficial use. Therefore, there is negligible threat to human health and the environment.

Recommendations for corrective actions to mitigate the chloride and TDS impact to groundwater are discussed in section 7.0 and summarized below:

- Construction of an infiltration barrier within the former drilling pit to eliminate the potential for migration of residual brines from the vadose zone to groundwater.
- Install one monitoring well approximately 250 feet northeast of the east edge of the former drilling pit to delineate the downgradient extent of chloride and TDS impact.
- Install one monitoring well approximately 150 feet southwest of the west edge of the former drilling pit to confirm background concentrations.
- Submit a report to the NMOCD to document the completion of the recommended tasks above and propose recommendations for a natural restoration/monitoring groundwater remedy, or a pump-and-use groundwater restoration strategy, if appropriate.
- Continue quarterly monitoring of all on site monitoring wells. Groundwater depth measurements and analysis for only the constituents of concern (chloride and TDS) will be collected. An annual report will be submitted to NMOCD by April 1, 2010.

2.0 SITE DESCRIPTION

2.1 *Location*

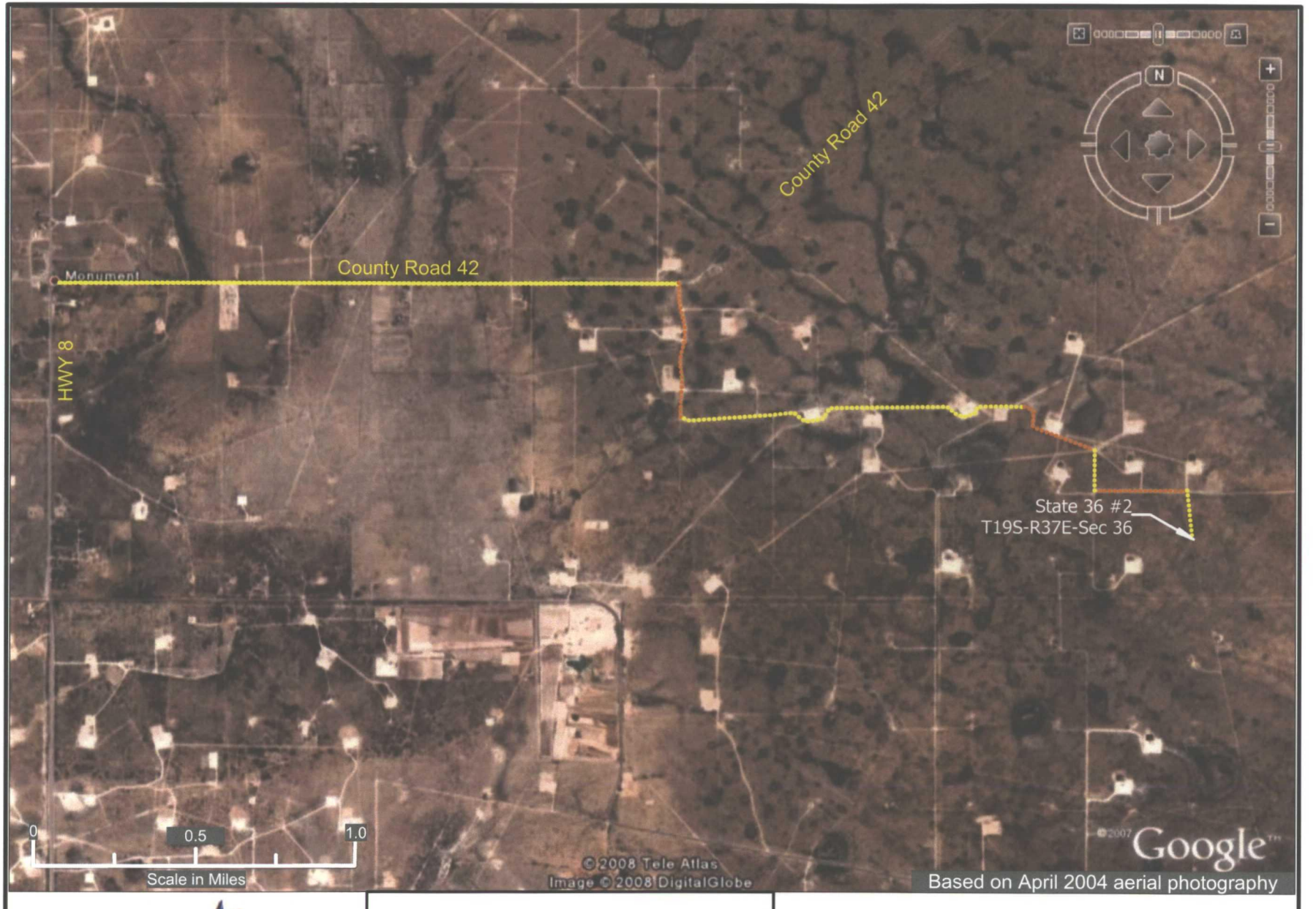
The State 36 #2 well site is located in Township 19 South, Range 37 East, Section 36, and Unit Letter O (N 32° 36' 44", W 103° 12' 14"). The site is located on State land and is primarily utilized for crude oil production and cattle ranching. To access the site:

> From Monument, drive 2 miles west on County Road 42. Turn right onto lease road (Pride Energy sign at cattle guard) and proceed south 0.4 mi. Road turns east, continue east 1.1 mi. Continue south then southeast 0.2 mi. Bear right heading south 0.1 mi. Turn left and continue east 0.3 mi. Turn right and continue south 0.1 mi. to well site.

Figure 1 and the report cover depict aerial photography (est. April 2004) showing the general area and access to the site.

2.2 *Site History*

Date	Description
October 26, 2004	Well spudded.
April 27, 2005	Total depth reached.
February 28, 2007	Temporarily abandoned (non-productive)
August 29, 2007	C-144 pit closure form approved by NMOCD
December 10, 2007	Revised C-144 approved by NMOCD
February 18-28, 2008	Initial soil & groundwater sampling activities (Elke Environmental)
March 27, 2008	Groundwater sampling event (MW-1)
May 2, 2008	MW-2 installed at southeast edge of pit.
May 8, 2008	Groundwater sampling event (MW-2)
May 21, 2008	C-141 release notification form submitted by Trident
June 4, 2008	MW-3 and MW-4 installed for further delineation.
June 17, 2008	Groundwater sampling event (MW-1, MW-2, MW-3, and MW-4)
September 10, 2008	Groundwater sampling event (MW-1, MW-2, MW-3, and MW-4)
December 17, 2008	Groundwater sampling event (MW-1, MW-2, MW-3, and MW-4)



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PRIDE ENERGY COMPANY
STATE 36 #2
T19S - R37E - Section 36 - Unit O
Lea County, New Mexico

Figure 1

SITE LOCATION MAP

3.0 LOCAL AND REGIONAL HYDROGEOLOGY

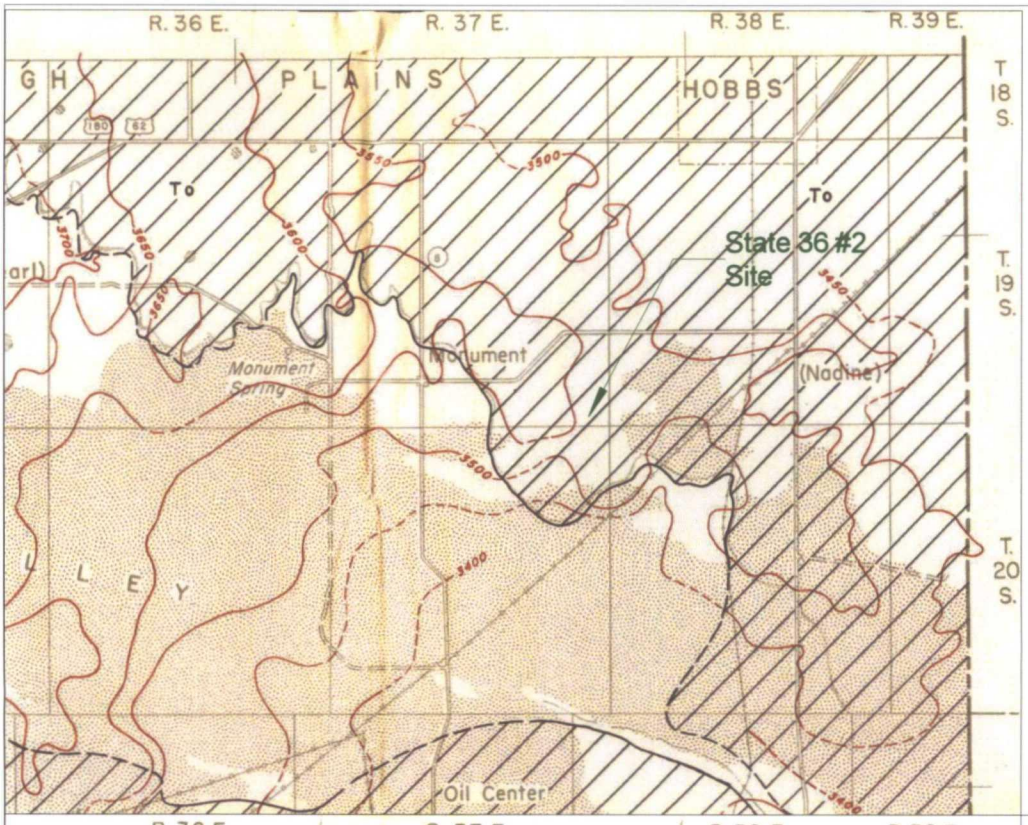
The site is underlain by Quaternary colluvium deposits composed of sand, silt, and gravel deposited by slopewash, and talus which were re-deposited from the underlying Ogallala Formation of Tertiary age. These deposits are often calichified (indurated with cemented calcium carbonate) with caliche layers from 1 to 20 feet thick. The thickness of the colluvium deposits and Ogallala Formation at the site is estimated at 50 feet; however, it varies locally as a result of significant paleo-topography at the top of the underlying Triassic Dockum Group. Since Cretaceous Age rocks in the region have been removed by pre-Tertiary erosion, the colluvial deposits and Ogallala Formation rest unconformably on the Triassic Dockum Group. The uppermost unit of the Dockum Group is the Chinle Formation, which primarily consists of micaceous red clay and shale but also contains thin interbeds of fine-grained sandstone and siltstone. The red clays and shale of the Chinle Formation act as an aquitard beneath the water bearing colluvial deposits and therefore limit the amount of recharge to the underlying Dockum Group.

Based on the descriptions provided in lithologic logs, the subsurface soils are generally composed of very fine-grained sand and caliche in the upper 23 feet. A varied mix of mostly fine-grained sand and sandstone with intermittent zones of chert and gravel was then observed to a depth of approximately 38 to 45 feet. Below this layer a fine- to medium-grained sand was encountered with some intermittent clay and gravel to a depth of 50 ft. Below 50 ft a red clay was observed. More detailed descriptions of the subsurface lithology are provided in the soil boring and monitoring well logs (Appendix A).

Potable ground water used in southern Lea County is derived primarily from the Ogallala Formation (including the colluvial deposits) and the Quaternary alluvium. Lower yields have also been provided by water bearing zones within the Triassic Dockum Group in a few scattered areas within southern Lea County. No potable water is known to be derived below the Triassic Dockum Group. Water from the Ogallala and alluvium aquifers in southern Lea County is used for irrigation, stock, domestic, industrial, and public supply purposes.

Water well records from the Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) websites were reviewed to determine if there are any active water supply wells in use for domestic, irrigation, livestock, municipal, or industrial purposes in the area. As a result of this review and several field reconnaissance efforts there are no water wells within a half mile of the site.

Recent data from the four monitoring wells at the site shows that the water table is at a depth of approximately 41 feet below ground surface (bgs) and slopes towards the northeast at a magnitude of approximately 0.004 ft/ft. The gradient direction is anomalous to the prevailing southeast-trending regional gradient typical of the Monument area. Figure 2 is a map depicting the regional geology and water table surface. Note that the site lies on the northeast side of a localized groundwater divide which may partially explain the anomalous local gradient observed at the site. The base of the aquifer is at approximately 50 ft bgs (Nicholson and Clebsch, 1961), therefore the saturated thickness is estimated at only 9 feet.

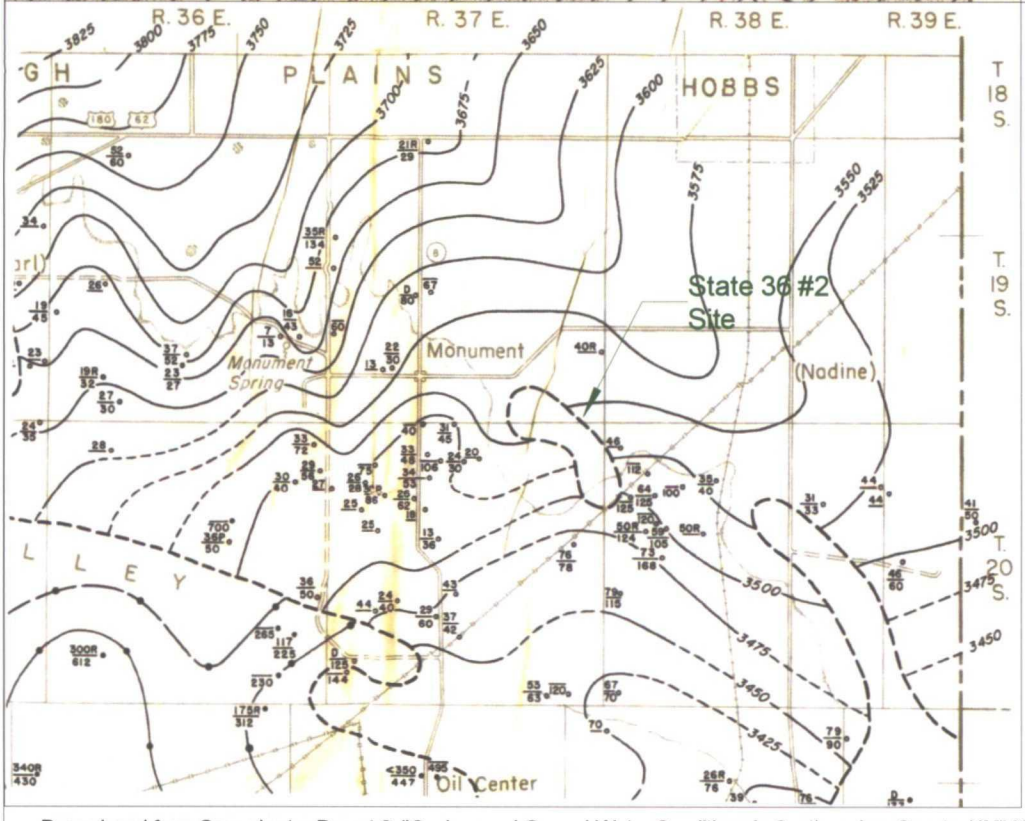


Geologic Map
Explanation

3500

Red Bed Elevation Contours

Qal = Alluvium
To = Ogallala Fm.
Trc = Chinle Fm.
Trs = Santa Rosa Sandstone
Trd = Dockum Group



Groundwater Map
Explanation

3550

Water Table Elevation Contours based on 1953-1954 data

35/40 ○ Upper number is depth to water
Lower number is depth of well

Water well

Reproduced from Groundwater Report 6, "Geology and Ground-Water Conditions in Southern Lea County, NM",Nicholson and Clebsch, 1961)

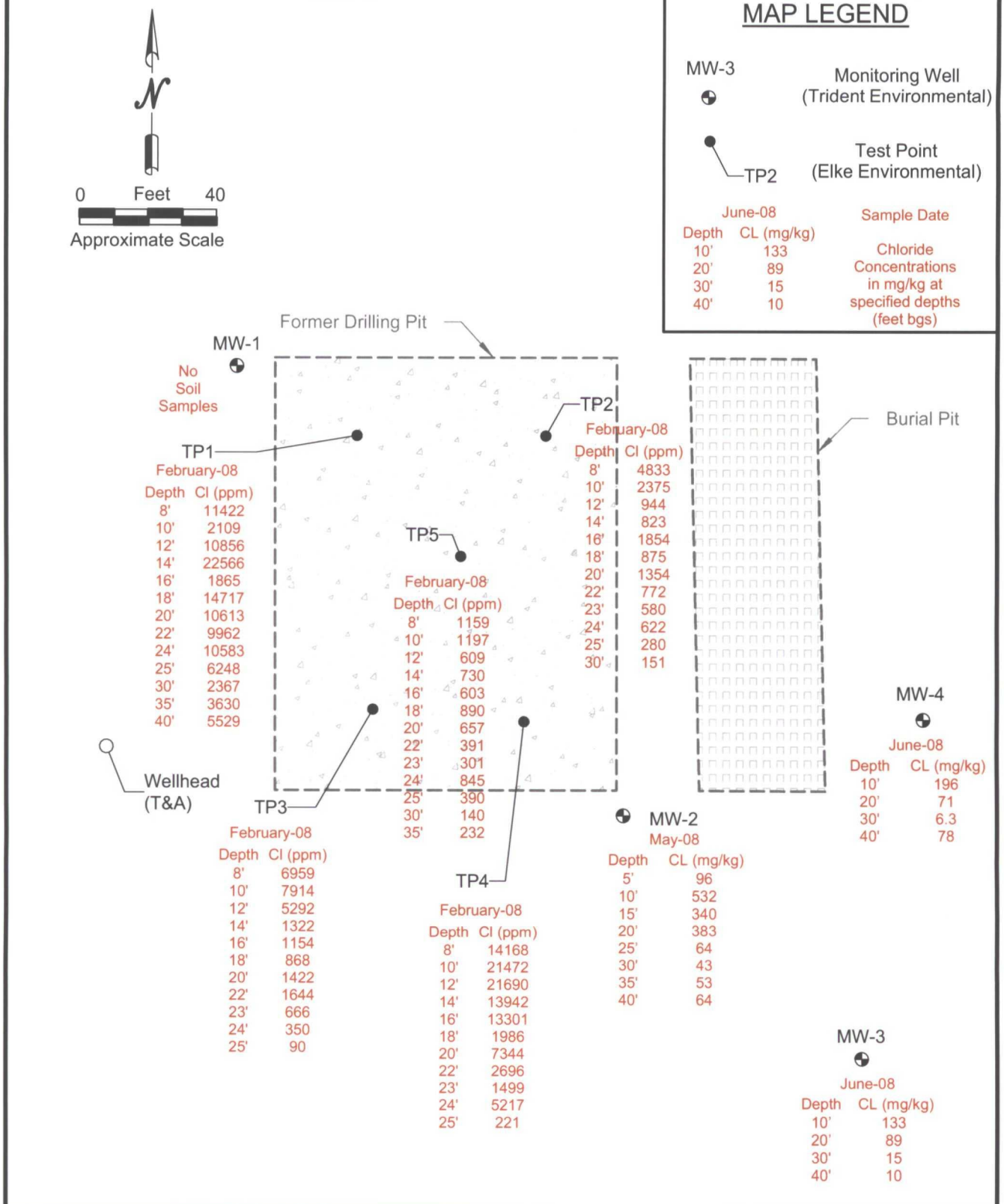
TRIDENT ENVIRONMENTAL	PRIDE ENERGY COMPANY STATE 36 #2 T19S - R37E - Section 36 - Unit O Lea County, New Mexico	FIGURE 2 GEOLOGIC & GROUNDWATER MAPS LEA COUNTY, NEW MEXICO

4.0 VADOSE ZONE INVESTIGATION PROCEDURES AND RESULTS

Elke Environmental conducted soil sampling at five locations (TP-1 through TP-5) within the former drilling pit using a trackhoe on February 18 and 19, 2008, and an air rotary drilling rig on February 28, 2008. Results of chloride field titrations during this investigation are depicted in Figure 3. Copies of earlier submissions of this data are included in Appendix E. Elke also supervised the installation of a monitoring well (MW-1) at the northwest corner of the drilling pit on February 22, 2008, however no soil samples were analyzed for chloride content.

On May 2, 2008, Trident supervised the installation of a monitoring well (MW-2) adjacent to the southeast edge of the former drilling pit to confirm groundwater impact. Soil samples were collected at five-foot intervals for chloride analysis until groundwater was encountered at approximately 40 ft bgs. Two additional monitoring wells (MW-3 and MW-4) were installed to delineate groundwater conditions which included soil samples taken at ten-foot intervals for chloride analysis. There were no indications of hydrocarbon impact during any investigation therefore no soil samples were submitted for laboratory analysis of regulated hydrocarbons (BTEX). Chloride concentrations for each sampled interval of the monitoring wells were at background levels (less than 500 mg/kg), therefore the extent of impact to the vadose zone appears limited to within the perimeter of the former drilling pit.

Chloride concentrations measured during all soil sampling activities are depicted in Figure 3 and shown on the individual lithologic logs of monitoring wells MW-2, MW-3, and MW-4 in Appendix A. Photodocumentation of site activities is included in Appendix B. Laboratory analytical reports and chains of custody are included in Appendix C.



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Lea County, New Mexico

FIGURE 3

CHLORIDE CONCENTRATIONS IN VADOSE ZONE

5.0 GROUNDWATER INVESTIGATION PROCEDURES AND RESULTS

A summary of historical analytical results and ground water elevations for monitoring wells MW-1, MW-2, MW-3 and MW-4 at the State 36 #2 site are listed in Table 1 below.

Maps depicting groundwater conditions are depicted in Figures 4A, 4B, 4C, and 4D. Copies of the laboratory analytical reports and chains of custody form for each ground water sampling event are included in Appendix C. The well sampling data forms are included in Appendix D.

Table 1

Summary of Groundwater Monitoring Results

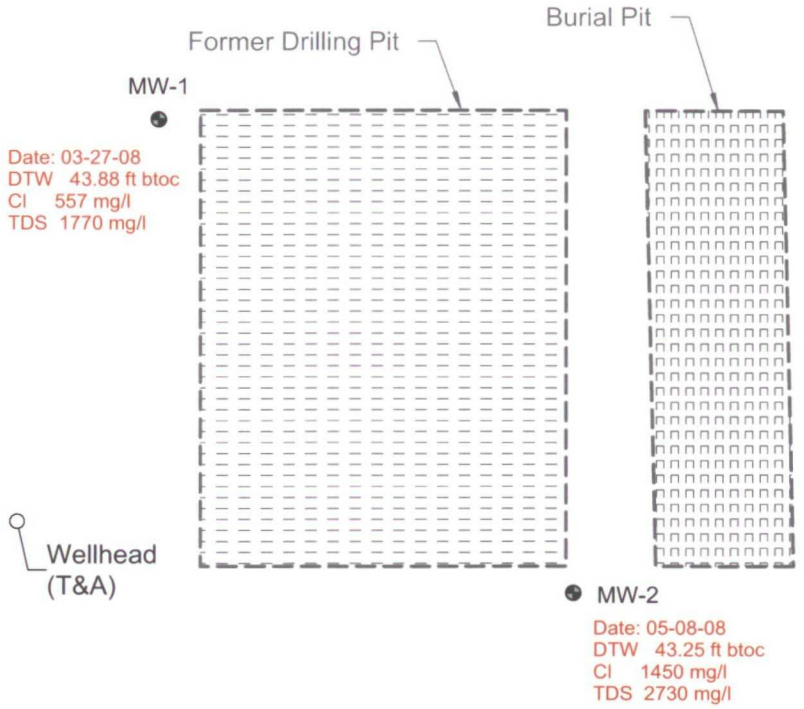
Sample Location	Sample Date	Depth to Groundwater (feet btoc)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-benzene (mg/L)	Xylene (mg/L)
MW-1	02/25/08	43.80	3559.41	**489**	---	---	---	---	---
	03/27/08	43.88	3559.33	**557**	**1,770**	< 0.001	< 0.002	< 0.001	< 0.003
	06/17/08	43.89	3559.32	**594**	**1,370**	---	---	---	---
	09/10/08	43.97	3559.24	**440**	**1,260**	<0.001	<0.001	<0.001	<0.003
	12/17/08	43.96	3559.25	**440**	**1,290**	<0.001	<0.001	<0.001	<0.003
MW-2	05/08/08	43.25	3559.22	**1,450**	**2,730**	< 0.001	< 0.002	< 0.001	< 0.003
	06/17/08	43.31	3559.16	**1,980**	**2,730**	---	---	---	---
	09/10/08	43.37	3559.10	**1,580**	**3,440**	<0.001	<0.001	<0.001	<0.003
	12/17/08	43.38	3559.09	**1,300**	**2,900**	<0.001	<0.001	<0.001	<0.003
MW-3	06/17/08	43.83	3558.98	**733**	**1,810**	---	---	---	---
	09/10/08	43.85	3558.96	**580**	**1,660**	<0.001	<0.001	<0.001	<0.003
	12/17/08	43.91	3558.90	**570**	**1,580**	<0.001	<0.001	<0.001	<0.003
MW-4	06/17/08	43.54	3558.81	**1,070**	**2,150**	---	---	---	---
	09/10/08	43.61	3558.74	**820**	**2,070**	<0.001	<0.001	<0.001	<0.003
	12/17/08	43.63	3558.72	**830**	**1,970**	<0.001	<0.001	<0.001	<0.003
WQCC Standards				250	1,000	0.01	0.75	0.75	0.62

--- Indicates sample not analyzed for this constituent.
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.
AMSL – above mean sea level

The 2008 data from the four monitoring wells show that the water table is at a depth of approximately 41 feet bgs and slopes towards the northeast at a magnitude of approximately 0.004 ft/ft, which is anomalous to the prevailing southeast trending regional gradient. The base of the aquifer is at approximately 50 ft bgs, where a red clay was encountered during well installations, therefore the saturated thickness is estimated at only 9 feet.

Chloride and TDS concentrations at monitoring wells MW-1, MW-2, MW-3, and MW-4 exceed WQCC standards. The highest chloride and TDS levels have been observed in monitoring well MW-2 with levels of 1,300mg/L and 2,900 mg/L, respectively, during the most recent sampling event in December 2008.

BTEX concentrations in monitoring wells MW-1, MW-2, MW-3, and MW-4 have been below the WQCC standards for each constituent and for every sampling event taken place.

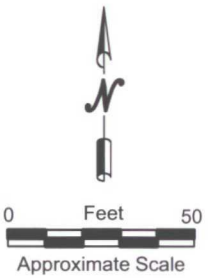


MAP LEGEND

MW-3	Monitoring Well
3559.00	Water Table Elevation (Ft AMSL)
Cl 250 TDS 1000	Chloride and TDS Concentrations in mg/L
B <0.001 T <0.001 E <0.001 X <0.003	BTEX Concentrations in all monitoring wells are less than the method detection limit for each constituent as noted (mg/L).

Sampling Dates

March 27, 2008 (MW-1)
and May 8, 2008 (MW-2)



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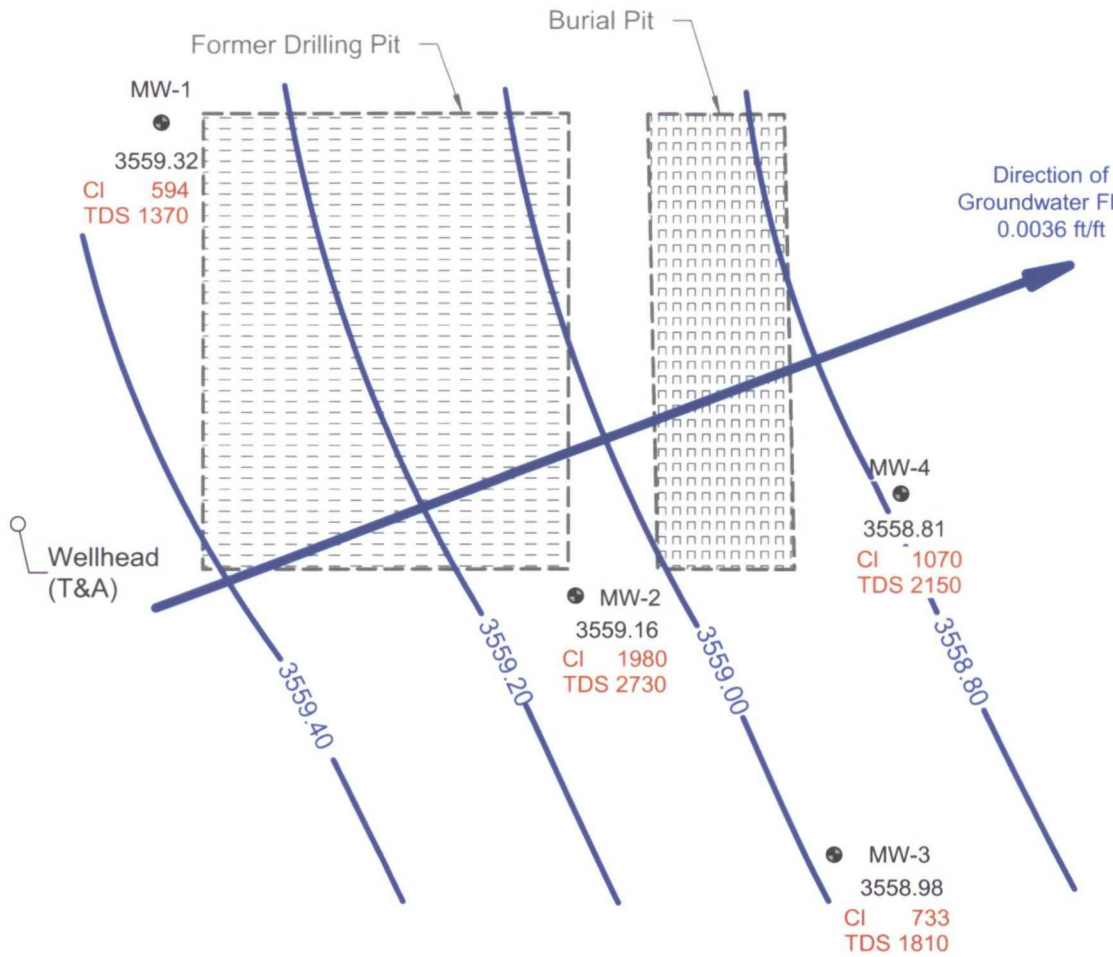
Lea County, New Mexico

FIGURE 4A

CHLORIDE, TDS, & BTEX CONCENTRATIONS AND GROUNDWATER ELEVATION MAP



MAP LEGEND

MW-3 — Monitoring Well

3559.00 — Water Table Elevation (Ft AMSL)

Cl 250
TDS 1000 — Chloride and TDS Concentrations in mg/L

3559.00 — Groundwater Elevation Contour (Contour Interval = 0.20 feet)

Sampling Date: June17, 2008

N

0 Feet 50

Approximate Scale

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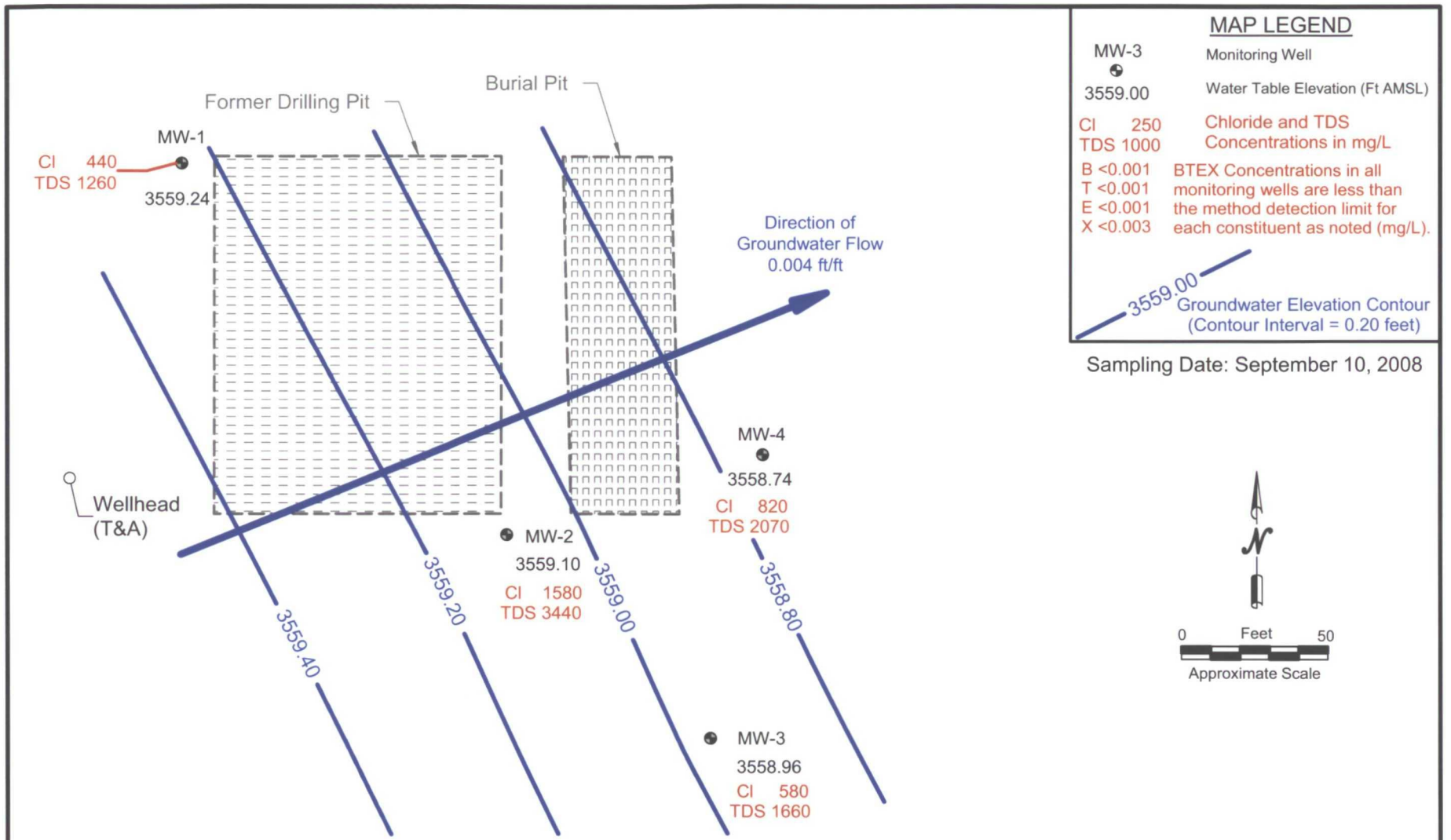
Lea County, New Mexico

FIGURE 4B

CHLORIDE / TDS CONCENTRATIONS
AND GROUNDWATER ELEVATION MAP



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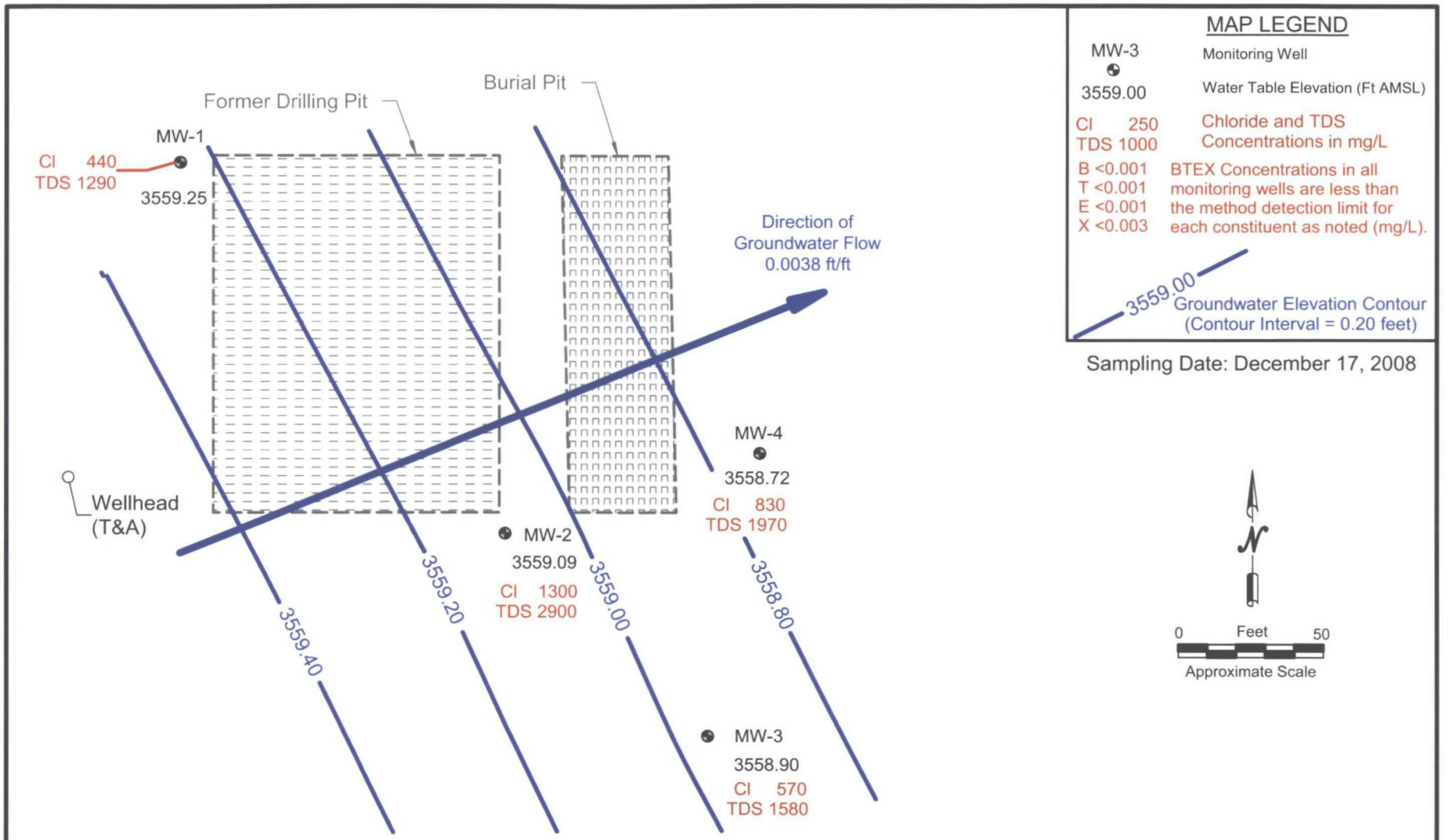
Lea County, New Mexico

FIGURE 4C

CHLORIDE, TDS, & BTEX CONCENTRATIONS
AND GROUNDWATER ELEVATION MAP



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Lea County, New Mexico

FIGURE 4D

CHLORIDE, TDS, & BTEX CONCENTRATIONS
AND GROUNDWATER ELEVATION MAP

6.0 CONCLUSIONS

- Based on the soil boring data obtained by Elke in February 2008 and by Trident in May and June 2008, the chloride impact to the vadose zone is limited to the area within the perimeter of the former drilling pit.
- The local water table is at a depth of approximately 41 feet bgs and slopes towards the northeast at a magnitude of approximately 0.004 ft/ft, which is anomalous to the prevailing southeast trending regional gradient.
- The base of the aquifer is at approximately 50 ft bgs, where a red clay was encountered during well installations, therefore the saturated thickness is estimated at only 9 feet.
- Chloride and TDS concentrations from groundwater samples collected at monitoring well MW-1, MW-2, MW-3, and MW-4 exceed WQCC standards. The highest chloride and TDS levels have been observed in monitoring well MW-2 with levels of 1,300mg/L and 2,900 mg/L, respectively, during the most recent sampling event in December 2008.
- The distribution of chloride-impacted groundwater may be influenced by both the local (northeast) and regional (southeast) direction of groundwater flow. It may also be influenced by an uneven redbed surface underlying the aquifer, perhaps due to an erosional unconformity (narrow streambed channeling during a fluvial environment of deposition of Tertiary sediments).
- Regulated hydrocarbons (BTEX) are not present in groundwater or the vadose zone.
- The potential well yield for possible beneficial use of groundwater at the site is very low due to the limited thickness of the aquifer (less than 10 feet), observations of low yields during monitoring well development activities, and water table elevation declines of approximately one foot per year. It is unlikely a well completed in the area would yield greater than 150 gallons per day which is considered inadequate for any beneficial use. Therefore, there is negligible threat to human health and the environment.

7.0 CORRECTIVE ACTION PLAN

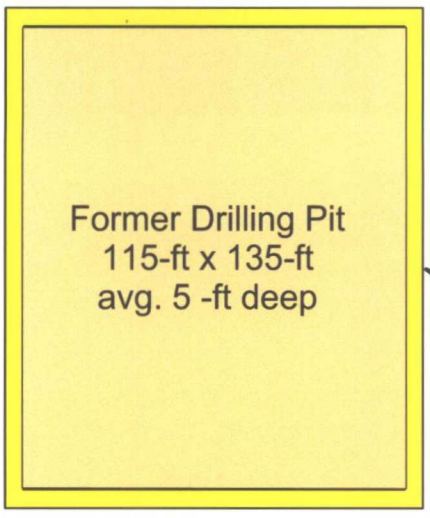
Data collected to date indicates chloride/TDS-impaired groundwater exists beneath the site and chloride concentrations above 1,000 mg/kg exist in the vadose zone below the former drilling pit. The suspected source of the chloride in the vadose zone and groundwater at the site is the former drilling pit.

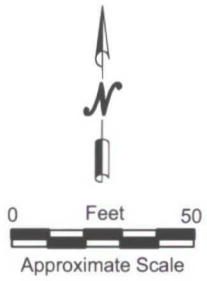
7.1 *Vadose Zone Remedy and Schedule of Activities*

The proposed closure of the former drilling pit is construction of an infiltration barrier to eliminate the potential for migration of residual brines from the vadose zone to groundwater as described below.

1. Expand the existing pit excavation as necessary to create a 3-foot wide area where subsurface impact of pit leakage does not exist (Figure 5, step 1).
2. Use the material from the pit expansion or deepen the excavation as necessary to create a sloping surface on the bottom of the excavation as shown in Figure 5, step 2.
3. Over the sloping surface, place "shingles" of recycled or new 20-mil, reinforced liner material with a permeability of less than 10^{-9} cm/sec. The shingles are laid to shed any infiltrated water from the pit area to native soil and to prevent any upward migration of chloride into the root zone.
4. Backfill the excavation with clean material, beginning with caliche and/or sand and finishing the top of the backfill with about 6-inches of soil that is capable of supporting native vegetation.
5. The new grade is a 3-5% slope that drains to a "ponding area". The final grade of the surface over the former pit should blend with the surroundings as much as possible. Figure 5, step 3, which shows a 5% slope that resembles a large "pitchers mound", is one example of a final surface that allows for drainage of storm water away from the former drilling pit.
6. Seed the reclaimed pit with a mixture acceptable to the State Land Office.
7. Submit a drilling pit termination report to the NMOCD to document the vadose zone remedy within 30 days of completion.

Upon OCD approval of the vadose zone abatement plan, Pride will commence the proposed work elements.

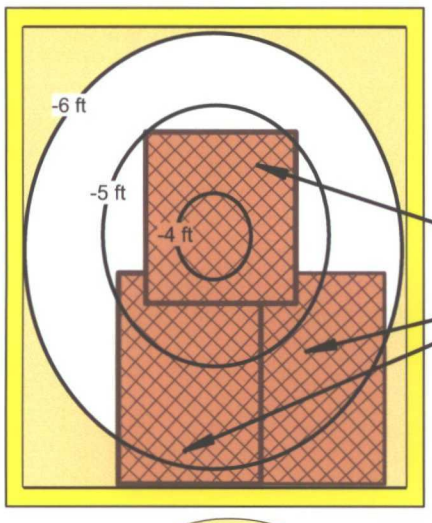




STEP 1

Excavate as required to create
3-foot clean zone around chloride impact

Reserve all topsoil and clean caliche



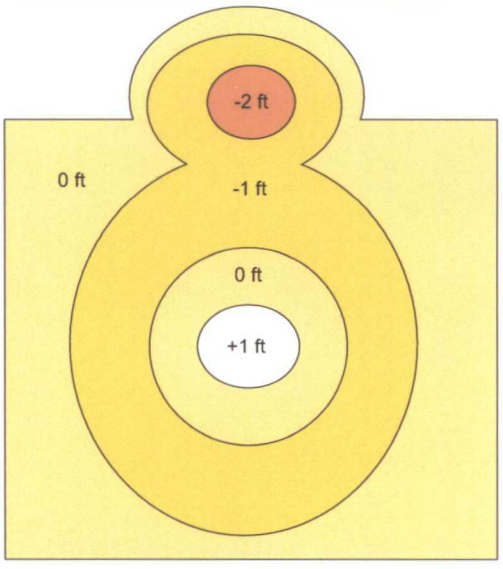
STEP 2

Create sloping surface at bottom of excavation

Center of sloping surface should be 3 to 4 feet below grade

Place 20-mil liner "shingles" over prepared surface

Shingles drain to un-impacted caliche



STEP 3

Excavate ponding area(s)

Backfill excavation with clean caliche and sand over liner - retain slope

Place about 6-inches of topsoil over clean caliche/sand - retain slope

Grade to allow excess runoff to ponding area

Re-seed with native species or a mix approved by the State Land Office

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Pride Energy Company
State 36 #2 (API # 30-025-36909)
T19S - R37E - Section 36 - Unit O
Lea County, New Mexico

Figure 5

Drilling Pit Excavation
and Closure Diagrams

7.2 *Groundwater Remedy and Schedule of Activities*

Further groundwater delineation (installation and sampling of additional monitoring wells) is necessary before designing the appropriate groundwater remedy. In the interim, Pride Energy proposes the following to address corrective actions to the groundwater:

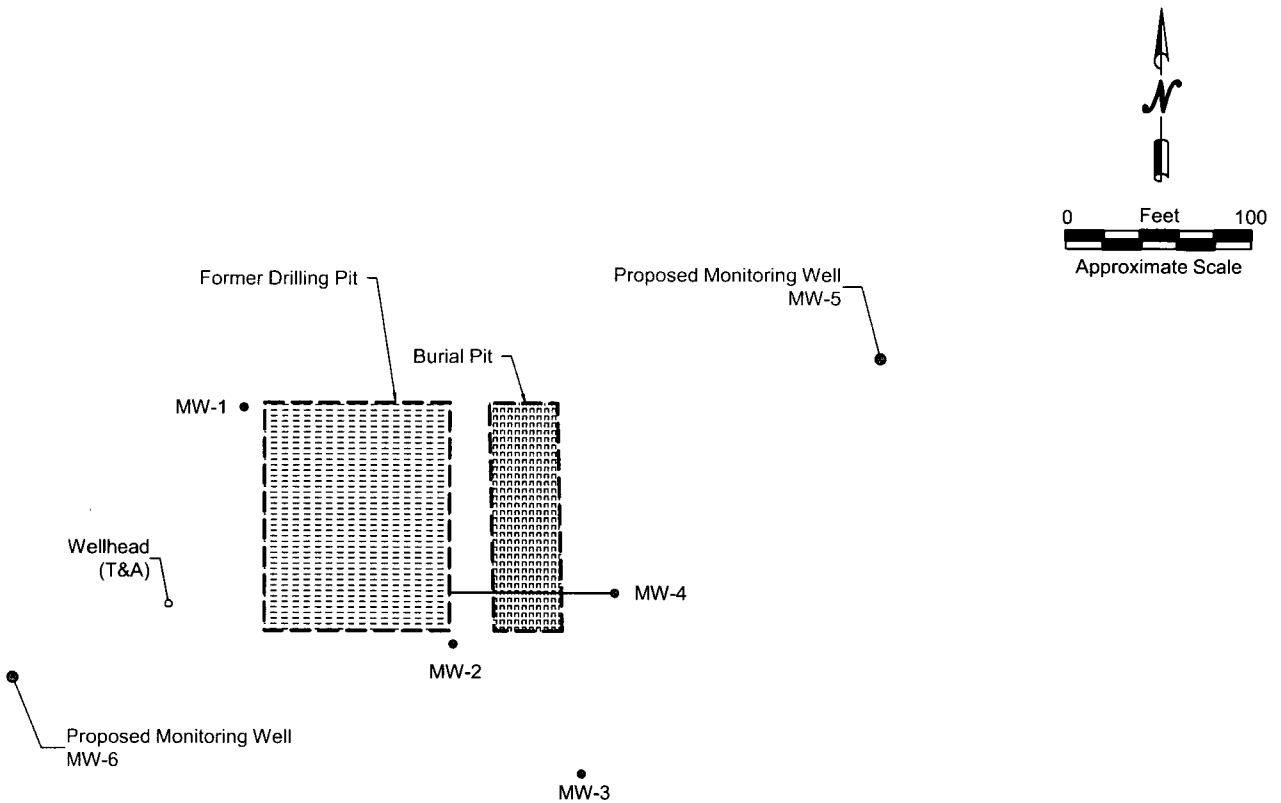
1. Install one monitoring well approximately 250 feet northeast of the east edge of the former drilling pit to delineate the downgradient extent of chloride and TDS impact. Groundwater samples will be collected only for the constituents of concern (chloride and TDS). The proposed location of this well is noted as MW-5 in Figure 6.

2. The lowest chloride and TDS concentrations observed at the site occur in monitoring well MW-1 with 440 mg/L and 1,900 mg/L, respectively, observed during the most recent sampling event in December 2008. Therefore, the installation of one monitoring well is proposed approximately 150 feet southwest of the west edge of the former drilling pit (MW-6 in Figure 6) to confirm background concentrations. Groundwater samples will be collected only for the constituents of concern (chloride and TDS).

3. Submit a report to the NMOCD to document the completion of the monitoring well installation and two quarters of groundwater sampling and propose recommendations for a natural restoration/monitoring groundwater remedy or a pump-and-use groundwater restoration strategy, if appropriate.

4. Continue quarterly monitoring of all on site monitoring wells. Groundwater depth measurements and analysis for only the constituents of concern (chloride and TDS) will be collected. An annual report will be submitted to NMOCD by April 1, 2010.

Pride will commence the proposed work elements within 30 days upon OCD approval of the corrective action plan described herein. Pride, or its agent, will notify NMOCD of the above activities at least 48 hours before they commence, or of any delays that result due to weather conditions, contractor availability, site access, or other unforeseen matters beyond Pride's control.



TRIDENT ENVIRONMENTAL

PRIDE ENERGY COMPANY
STATE 36 #2
T19S - R37E - Section 36 - Unit O
Lea County, New Mexico

FIGURE 6

PROPOSED MONITORING WELL
LOCATION MAP

8.0 LIMITATIONS

Trident has prepared this Corrective Action Plan to the best of its ability. No other warranty, expressed or implied, is made or intended. Trident has examined and relied upon documents obtained from the OCD Online database (http://ocdimage.emnrd.state.nm.us/imaging/) as referenced in the report and may have relied on oral statements made by certain individuals. Trident has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Trident has prepared this report, in a professional manner, using the degree of skill and care expected of environmental consultants. Trident also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Pride Energy Company. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Trident and/or Pride.

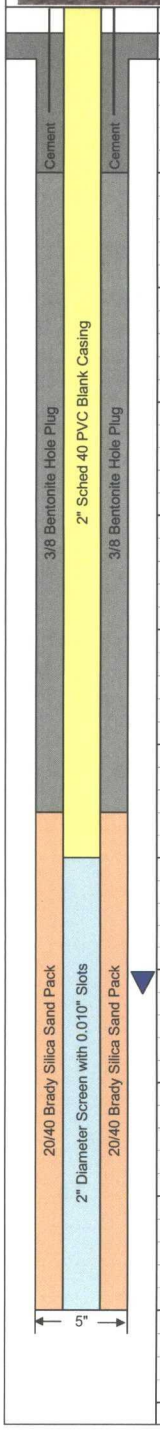
APPENDIX A

Lithologic Logs and
Monitoring Well Construction Diagrams

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

MONITORING WELL NO.:	MW-2	TOTAL DEPTH:	55 ft bgs
SITE NAME:	State 36 #2	CLIENT:	Pride Energy Company
CONTRACTOR:	Harrison & Cooper, Inc.	COUNTY:	Lea
DRILLING METHOD:	Air Rotary	STATE:	New Mexico
START DATE:	May 2, 2008	LOCATION:	T19S - R37E - Section 36 - Unit Letter O
COMPLETION DATE:	May 2, 2008	FIELD REP.:	Gil Van Deventer

PHOTO AT LEFT: View facing southeast showing drilling activities at MW-2 (background) near southeast corner of forr drilling pit. Located ~145' south & 120' east of existing MW-1 (foreground) at northwest corner of p

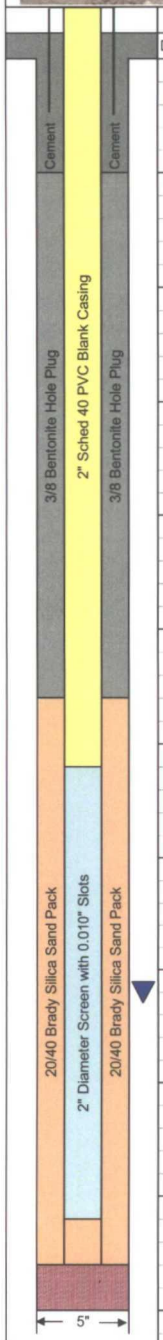


Sample Depth	Sample Time	Sample Type	Chloride (ppm)	Unified Soil Classification Symbol	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
	1215	Surface		SM/CAL	Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
5	1217	Cuttings	96		Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
10	1218	Cuttings	532		Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
15	1219	Cuttings	340	SS/CAL/SM	Sandstone chunks, indurated caliche, and very fine-grained sand; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2), very hard, dry.
20	1220	Cuttings	383	CAL/SM	Indurated caliche and very fine-grained sand; pale orange (10YR 8/2) and grayish orange pink (5YR 7/2); hard; dry.
25	1224	Cuttings	64	SM/CAL	Very fine-grained sand with decreasing amounts of indurated caliche; very pale orange (10YR 8/2) and grayish orange pink (5YR 7/2); dry.
30	1235	Cuttings	43	GP/SS	Sandstone and gravelly sand; pale yellowish brown (10YR 6/2) and very pale orange (10YR 8/2); very hard; dry.
35	1240	Cuttings	53		Sandstone and gravelly sand; grayish orange pink (5YR 7/2); very hard; dry.
40	1247	Cuttings	64	SW	Fine- to medium-grained sand; moderately well sorted; subrounded grains; light brown (5YR 6/4); dry
45	1250	Cuttings			Fine- to medium-grained sand; moderately well sorted; subrounded grains; light brown (5YR 6/4); moisture increasing
50	1255	Cuttings		SM/SC	Clayey fine-grained sand; light brown 5YR 5/6); moist
55	1300	Cuttings		CL	Clay, moderate reddish brown (10R 4/6); moist
					Clay, moderate reddish brown (10R 4/6); moist
60					

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

MONITORING WELL NO.:	MW-3	TOTAL DEPTH:	51 ft bgs
SITE NAME:	State 36 #2	CLIENT:	Pride Energy Company
CONTRACTOR:	Harrison & Cooper, Inc.	COUNTY:	Lea
DRILLING METHOD:	Air Rotary	STATE:	New Mexico
START DATE:	June 5, 2008	LOCATION:	T19S - R37E - Section 36 - Unit Letter O
COMPLETION DATE:	June 5, 2008	FIELD REP.:	Gil Van Deventer

COMMENTS: Photo at left: view facing southeast showing drilling activities at MW-3 (upper left) located approx. 100 ft southeast of monitoring well MW-2 and 120 feet southeast of former drilling pit (lower right).

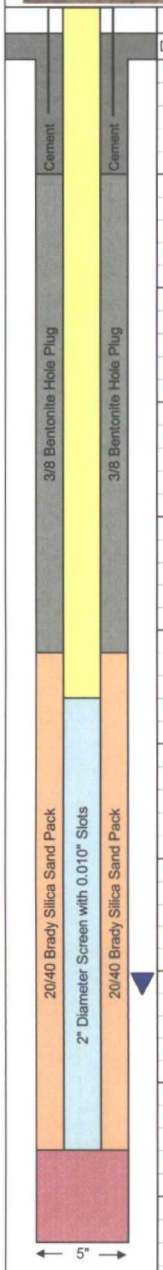


Sample Depth	Sample Time	Sample Type	Chloride (ppm)	Unified Soil Classification Symbol	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
		Surface		SM/CAL	Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
5		Cuttings			Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
10		Cuttings	133		Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
15		Cuttings		SS/CAL/SM	Sandstone chunks, indurated caliche, and very fine-grained sand; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2), very hard, dry.
20		Cuttings	89	CAL/SM	Indurated caliche and very fine-grained sand; pale orange (10YR 8/2) and grayish orange pink (5YR 7/2); hard; dry.
25		Cuttings		SM/CAL	Very fine-grained sand with decreasing amounts of indurated caliche; very pale orange (10YR 8/2) and grayish orange pink (5YR 7/2); dry.
30		Cuttings	15	GP/SS	Sandstone and gravelly sand; pale yellowish brown (10YR 6/2) and very pale orange (10YR 8/2); very hard; dry.
35		Cuttings			Sandstone and gravelly sand; grayish orange pink (5YR 7/2); very hard; dry.
40		Cuttings	10		Sandstone and gravelly sand; grayish orange pink (5YR 7/2); very hard; dry.
45		Cuttings			Sandstone and gravelly sand; grayish orange pink (5YR 7/2); wet; making water
50		Cuttings		SM/SC/GP	Clayey gravelly fine-grained sand; light brown 5YR 5/6); wet and making water
55		Cuttings		CL	Clay, moderate reddish brown (10R 4/6); wet
					Clay, moderate reddish brown (10R 4/6); wet
60					Overdrilled boring into clay redbed at 55 ft bgs; boring caved in with native sand to 53 ft bgs and backfilled with sand pack to 51 ft bgs while completing monitoring well.

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

MONITORING WELL NO.:	MW-4	TOTAL DEPTH:	48 ft bgs
SITE NAME:	State 36 #2	CLIENT:	Pride Energy Company
CONTRACTOR:	Harrison & Cooper, Inc.	COUNTY:	Lea
DRILLING METHOD:	Air Rotary	STATE:	New Mexico
START DATE:	June 5, 2008	LOCATION:	T19S - R37E - Section 36 - Unit Letter O
COMPLETION DATE:	June 5, 2008	FIELD REP.:	Gil Van Deventer

COMMENTS: Photo at left: view facing northeast showing drilling activities at MW-4 (background) located approx. 90 ft ENE of monitoring well MW-2 and 90 feet east of former drilling pit (lower left).



Sample Depth	Sample Time	Sample Type	Chloride (ppm)	Unified Soil Classification Symbol	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
		Surface		SM/CAL	Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
5		Cuttings			Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
10		Cuttings	196		Very fine-grained sand with caliche; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2)
15		Cuttings		SS/CAL/SM	Sandstone chunks, indurated caliche, and very fine-grained sand; grayish orange pink (5YR 7/2) and very pale orange (10YR 8/2), very hard, dry.
20		Cuttings	71	CAL/SM	Indurated caliche and very fine-grained sand; pale orange (10YR 8/2) and grayish orange pink (5YR 7/2); hard; dry.
25		Cuttings		SM/CAL	Very fine-grained sand with decreasing amounts of indurated caliche; very pale orange (10YR 8/2) and grayish orange pink (5YR 7/2); dry.
30		Cuttings	6.3	GP/SS	Sandstone and gravelly sand; pale yellowish brown (10YR 6/2) and very pale orange (10YR 8/2); very hard; dry.
35		Cuttings			Sandstone and gravelly sand; grayish orange pink (5YR 7/2); very hard; dry.
40		Cuttings	78	SW	Fine- to medium-grained sand; moderately well sorted; subrounded grains; light brown (5YR 6/4); dry
45		Cuttings			Fine- to medium-grained sand; moderately well sorted; subrounded grains; light brown (5YR 6/4); moisture increasing
50		Cuttings		SM/SC	Clayey fine-grained sand; light brown 5YR 5/6); moist
				CL	Clay, moderate reddish brown (10R 4/6); moist
					Overdrilled boring into clay redbed at 52 ft bgs; boring caved with native sand to 48 ft bgs while completing monitoring well
55					
60					

APPENDIX B

Photodocumentation

Pride Energy Company – State 36 #2 (API # 30-025-36909)

Panoramic view facing northeast showing former drilling pit in background and well head at lower-right (composite of 3 photos taken on 06-11-2008).

View facing northwest showing completed MW-2 in foreground with former drilling pit in background.

View facing southeast showing drilling of MW-2 in background with MW-1 in foreground.

APPENDIX C

Laboratory Analytical Reports

Chain-of-Custody Documentation

Analytical Report 300607

for

R.T. Hicks Consultants, LTD

Project Manager: Randy Hicks

Pride Energy Company

State 36 # 2

03-APR-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

03-APR-08

Project Manager: **Randy Hicks**
R.T. Hicks Consultants, LTD
901 Rio Grande Blvd. NW, Suite F-142
Albuquerque, NM 87104

Reference: XENCO Report No: **300607**
Pride Energy Company
Project Address: T19S-R37E, Section 36, Unit Letter O

Randy Hicks:

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 300607. 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. 300607 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 300607

R.T. Hicks Consultants, LTD, Albuquerque, NM

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Mar-27-08 10:50		300607-001

ENVIRONMENTAL LAB OF

Certificate of Analysis Summary 300607

R.T. Hicks Consultants, LTD, Albuquerque, NM

Project Name: Pride Energy Company

Project Id: State 36 # 2 **Date Received in Lab:** Mar-28-08 02:30 pm

Contact: Randy Hicks **Report Date:** 03-APR-08

Project Location: T19S-R37E, Section 36, Unit Letter O **Project Manager:** Brent Barron, II

Analysis Requested					
	Lab Id:	300607-001			
	Field Id:	MW-1			
	Depth:				
	Matrix:	WATER			
	Sampled:	Mar-27-08 10:50			
Alkalinity by SM2320B	*Extracted:*				
	Analyzed:	Apr-01-08 10:30			
	Units/RL:	mg/L	RL		
Alkalinity, Carbonate (as CaCO3)		ND	4.00		
Alkalinity, Bicarbonate (as CaCO3)		240	4.00		
Alkalinity, Total (as CaCO3)		240	4.00		
Anions by EPA 300/300.1	*Extracted:*				
	Analyzed:	Apr-01-08 21:25			
	Units/RL:	mg/L	RL		
Chloride		557 D	10.0		
Sulfate		182 D	10.0		
BTEX by EPA 8021B	*Extracted:*	Apr-01-08 09:28			
	Analyzed:	Apr-01-08 15:40			
	Units/RL:	mg/L	RL		
Benzene		ND	0.0010		
Toluene		ND	0.0020		
ylbenzene		ND	0.0010		
m,p-Xylenes		ND	0.0020		
o-Xylene		ND	0.0010		
Xylenes, Total		ND			
Total BTEX		ND			
Metals per ICP by SW846 6010B	*Extracted:*				
	Analyzed:	Apr-01-08 10:56			
	Units/RL:	mg/L	RL		
Calcium		184	0.100		
Magnesium		41.4	0.010		
Potassium		5.09	0.500		
Sodium		164	0.500		
TDS by SM2540C	*Extracted:*				
	Analyzed:	Mar-31-08 16:00			
	Units/RL:	mg/L	RL		
Total dissolved solids		1770	10.0		

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 Company

Work Order #: 300607 **Project ID:** State 36 # 2

Lab Batch #: 718729 **Sample:** 300607-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0335	0.0300	112	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

Lab Batch #: 718729 **Sample:** 300748-002 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0276	0.0300	92	80-120	
4-Bromofluorobenzene	0.0291	0.0300	97	80-120	

Lab Batch #: 718729 **Sample:** 300748-002 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0323	0.0300	108	80-120	
4-Bromofluorobenzene	0.0345	0.0300	115	80-120	

Lab Batch #: 718729 **Sample:** 506766-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0265	0.0300	88	80-120	
4-Bromofluorobenzene	0.0296	0.0300	99	80-120	

Lab Batch #: 718729 **Sample:** 506766-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0331	0.0300	110	80-120	
4-Bromofluorobenzene	0.0281	0.0300	94	80-120	

** 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 Company

/ork Order #: 300607 **Project ID:** State 36 # 2

Lab Batch #: 718729 **Sample:** 506766-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0264	0.0300	88	80-120	
4-Bromofluorobenzene	0.0299	0.0300	100	80-120	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

'll results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Pride Energy Company

Work Order #: 300607 **Project ID:** State 36 # 2

Lab Batch #: 718713 **Sample:** 718713-1-BKS **Matrix:** Water
Date Analyzed: 04/01/2008 **Date Prepared:** 04/01/2008 **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 #: 718755 **Sample:** 718755-1-BKS **Matrix:** Water
Date Analyzed: 04/01/2008 **Date Prepared:** 04/01/2008 **Analyst:** MAB
Reporting Units: mg/L **Batch #:** 1

Anions by EPA 300/300.1 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	5.00	4.99	100	85-115	
Sulfate	ND	5.00	4.78	96	90-110	

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 Company

Work Order #: 300607
Analyst: SHE
Lab Batch ID: 718729
Sample: 506766-1-BKS
Units: mg/L

Date Prepared: 04/01/2008
Batch #: 1

Project ID: State 36 # 2
Date Analyzed: 04/01/2008
Matrix: Water

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1000	0.0930	93	0.1	0.0851	85	9	70-125	25	
Toluene	ND	0.1000	0.0933	93	0.1	0.0855	86	9	70-125	25	
Ethylbenzene	ND	0.1000	0.1051	105	0.1	0.0963	96	9	71-129	25	
m,p-Xylenes	ND	0.2000	0.2173	109	0.2	0.1991	100	9	70-131	25	
o-Xylene	ND	0.1000	0.1012	101	0.1	0.0924	92	9	71-133	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

Form 3 - M MSD Recoveries

Project Name: Pride Energy Company

Work Order # : 300607 **Project ID:** State 36 # 2

Lab Batch ID: 718729 **QC- Sample ID:** 300748-002 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/01/2008 **Date Prepared:** 04/01/2008 **Analyst:** SHE

Reporting Units: mg/L

BTEX by EPA 8021B 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
Benzene	ND	0.1000	0.0832	83	0.1000	0.0893	89	7	70-125	25	
Toluene	ND	0.1000	0.0834	83	0.1000	0.0893	89	7	70-125	25	
Ethylbenzene	ND	0.1000	0.0937	94	0.1000	0.1011	101	7	71-129	25	
m,p-Xylenes	ND	0.2000	0.1927	96	0.2000	0.2085	104	8	70-131	25	
o-Xylene	ND	0.1000	0.0912	91	0.1000	0.0993	99	8	71-133	25	

Lab Batch ID: 718755 **QC- Sample ID:** 300410-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 04/01/2008 **Date Prepared:** 04/01/2008 **Analyst:** MAB

Reporting Units: mg/L

Anions by EPA 300/300.1 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	107	5.00	102	0	5.00	102	0	NC	90-110	20	X
Sulfate	333	5.00	303	0	5.00	303	0	NC	90-110	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

Sample Duplicate Recovery

Project Name: Pride Energy Company

Work Order #: 300607

Lab Batch #: 718713 **Project ID:** State 36 # 2
Date Analyzed: 04/01/2008 **Date Prepared:** 04/01/2008 **Analyst:** WRU
QC- Sample ID: 300607-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Alkalinity by SM2320B Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Alkalinity, Total (as CaCO3)	240	270	12	20	
Alkalinity, Bicarbonate (as CaCO3)	240	270	12	20	
Alkalinity, Carbonate (as CaCO3)	ND	ND	NC	20	

Lab Batch #: 718755
Date Analyzed: 04/01/2008 **Date Prepared:** 04/01/2008 **Analyst:** MAB
QC- Sample ID: 300410-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Anions by EPA 300/300.1 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	107	107	0	20	
Sulfate	333	334	0	20	

Lab Batch #: 718664
Date Analyzed: 04/01/2008 **Date Prepared:** 04/01/2008 **Analyst:** LATCOR
QC- Sample ID: 300607-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

Metals per ICP by SW846 6010B Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Calcium	184	180	2	25	
Magnesium	41.4	41.4	0	25	
Potassium	5.09	4.91	4	25	
Sodium	164	161	2	25	

Lab Batch #: 718707
Date Analyzed: 03/31/2008 **Date Prepared:** 03/31/2008 **Analyst:** RBA
QC- Sample ID: 300683-001 D **Batch #:** 1 **Matrix:** Water
Reporting Units: mg/L

TDS by SM2540C Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	12500	12500	0	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

Project Manager: Randy Hicks

Company Name: R. T. Hicks Consultants, Ltd.

Company Address: 901 Rio Grande Blvd NW

City, State, Zip Code: Albuquerque NM 87104

Telephone No: 505-266-5004

Fax No: 505-266-0745

Sampler: Gil Van Deventer (Printed) [signature] (Signature)

Project Name: Pride Energy Company

Project #: State 36 #2

Project Location: T19S-R37E, Section 36, Unit Letter O

COC #:

Analyze For: (TCLP: / TOTAL:)

LAB # (lab use only) 300607	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO_3	HCl BTEX only; (4 40ml VOAs)	NaOH	H_2SO_4	None (2 500ml plastic)	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	TPH: 418.1 8015M 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	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.	Total Dissolved Solids (160.1)	SPLP 1312	Nitrate (N-NO_3)	Total Fe and Mn	RUSH TAT (Pre-Schedule)	Standard TAT
01	MW-1	3-27-08	1050	4	X		X			X		X					X	X					X			X					X

Special Instructions:

Email results to: r@rthicksconsult.com and gilbertvandeventer@suddenlink.net

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	3/28/08	2:30pm			

Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jeanne Fitch	03-28-08	1430

Sample Containers Intact? (Y) N

Temperature Upon Receipt: -1.5°C not frozen

Laboratory Comments: w/labels/seal

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: RT Hicks

Date/ Time: 03.28.08 @1430

Lab ID # : 300607

Initials: JMF

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	-1.5 Blue ice °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

Analytical Report 303122

for

Pride Energy Company

Project Manager: Matt Pride

Incorrect Project Name

State 36 # 2

07-MAY-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

07-MAY-08

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

Tulsa, OK 74170

References: XENCO Report No: **303122**
Pride Energy Company
Project Address: T19-S-R37E, Section 36, Unit Letter O

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 303122. 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. 303122 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,

Odessa Laboratory Manager

Certificate of Analysis Summary 303122

Pride Energy Company, Tulsa, OK

Project Name: No Project Name Found

Project Id: State 36 # 2

Contact: Matt Pride

Project Location: 119-S-R37E, Section 36, Unit Letter O

* All samples collected from MW-2 BAJ ✓

Date Received in Lab: Mon May-05-08 11:05 am

Report Date: [illegible]-MAY-08

Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	303122-001		303122-002		303122-003		303122-004		303122-005		303122-006	
	Field Id:	MW-P(15)		MW-P(10)		MW-P(15)		MW-P(30)		MW-P(35)		MW-P(30)	
	Depth:	2		2		2		2		2		2	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	May-02-08 08:15		May-02-08 08:18		May-02-08 08:20		May-02-08 08:25		May-02-08 08:45		May-02-08 08:50	
Chloride by SM4500-Cl- B	*Extracted:*												
	Analyzed:	May-06-08 00:00		May-06-08 00:00		May-06-08 00:00		May-06-08 00:00		May-06-08 00:00		May-06-08 00:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		95.74	5.000	551.8	5.000	340.3	5.000	282.9	5.000	63.81	5.000	42.54	5.000

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 303122

Pride Energy Company, Tulsa, OK

Project Name: No Project Name Found

Project Id: Stone 36 # 2

Contact: Matt Pride

Project Location: T19-S-R37E, Section 36, Unit Letter O

Date Received in Lab: Mon May-05-08 11:05 am

Report Date: 07 MAY 08

Project Manager: Brent Barron, II

Analysis Requested					
	Lab Id:	303122-007		303122-008	
	Field Id:	MW-4 (35')		MW-[illegible] (40')	
	Depth:	[illegible]		[illegible]	
	Matrix:	SOIL		SOIL	
	Sampled:	May-02-08 08:55		May-02-08 09:00	
Chloride by SM4500-Cl- B	*Extracted:*				
	Analyzed:	May-06-08 09:00		May-06-08 09:00	
	Units/RL:	mg/kg	RL	mg/kg	RL
Chloride		53.48	5.000	63.81	5.000

[illegible]

Brent Barron
Odessa Laboratory Director

Blank Spike Recovery

Project Name: Incorrect Project Name

Work Order #: 305122 **Project ID:** Incorrect Project ID

Lab Batch #: 721892 **Sample:** 721892-1-BKS **Matrix:** Solid

Date Analyzed: 05/06/2008 **Date Prepared:** 05/06/2008 **Analyst:** LATCOR

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

BLANK/BLANK SPIKE RECOVERY STUDY

Chloride by SM4500-Cl- B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	1000	957.2	96	70-125	

Lab Batch #: 721893 **Sample:** 721893-1-BKS **Matrix:** Solid

Date Analyzed: 05/06/2008 **Date Prepared:** 05/06/2008 **Analyst:** LATCOR

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

BLANK/BLANK SPIKE RECOVERY STUDY

Chloride by SM4500-Cl- B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	1000	925.2	93	70-125	

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

XENCO Laboratories / Environmental Lab of Texas

[illegible] West [illegible] East, Odessa, Texas [illegible] — Phone: 432-563-1800 — Fax: 432-563-[illegible]

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Company Name	Pride Energy Company	Company Name	Trident Environmental	Project Name	Pride Energy Company
Direct Invoice to	Matt Pride	Project Manager	Gil Van Deventer	Project #	State 36 #2
Billing Address	P. O. Box 710950	Address	P. O. Box 7624	Project Location	T19S-R37E, Section 36, Unit Letter O
City, State, Zip Code	Tulsa, OK 74170-1950	City, State, Zip Code	Midland, TX 79708-7624	COC #	0126-050208-1
Telephone No.	918-524-9200	Telephone No.	432-[illegible]-6740		
Fax No.	918-524-9292	Fax No.	413-403-9968		
Email Report to	matt@pride-energy.com	Email Report to	gil@trident-environmental.com		
Sampler	Gil Van Deventer	Signature	[signature]		

Lab #	Field Code	Date Sampled	Time Sampled	No. of Containers	Preservation	Matrix	Analyze For	Analyze For
01	MW-2 ~~MW-1 (5')~~	050208	0810	1	X	X		X
02	MW-2 ~~MW-1 (10')~~	050208	0815		X	X		
03	MW-2 ~~MW-1 (15')~~	050208	0820		X	X	X	X
04	MW-2 ~~MW-1 (20')~~	050208	0825	1	X	X	X	X
05	MW-2 ~~MW-1 (25')~~	050208	0845	1	X	X	X	X
06	MW-2 ~~MW-1 (30')~~	050208	0850	1	X	X	X	X
07	MW-2 ~~MW-1 (35')~~	050208	0855	1	X	X	X	X
08	MW-2 ~~MW-1 (40')~~	050208	0900	1	X	X	X	X

Special Instructions:

Email results to: gil@trident-environmental.com and matt@pride-energy.com

Sample Containers Intact? Y

Temperature Upon Receipt: 5.5°

Laboratory Comments:

Relinquished by: [signature] Date: [illegible] Time: [illegible]

Received by: [illegible] Date: Time:

Relinquished by: Date: Time:

Received by ELOT: [signature] Date: [illegible] Time: [illegible] [illegible]

* [illegible] well identification provided by sampler should be MW-2 [illegible] 05/08/08 [initials]

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: [illegible]

Date/ Time: [illegible]

Lab ID #: [illegible]

Initials: [illegible]

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	[illegible] °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

Analytical Report 303625

for

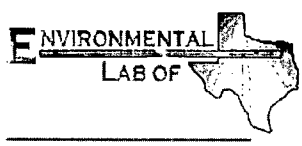
Pride Energy Company

Project Manager: Matt Pride

Pride Energy Company

State 36 # 2

16-MAY-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

16-MAY-08

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

Tulsa, OK 74170

Reference: XENCO Report No: **303625**
Pride Energy Company
Project Address: T19S-R37E, Section 36, Unit Letter O

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 303625. 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. 303625 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 303625

Pride Energy Company, Tulsa, OK

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-2	W	May-08-08 16:35		303625-001

Certificate of Analysis Summary 303625
Pride Energy Company, Tulsa, OK

Project Name: Pride Energy Company

Project Id: State 36 # 2 **Date Received in Lab** May-09-08 05:00 pm
Contact: Matt Pride **Report Date:** 16-MAY-08
Project Location: T19S-R37E, Section 36, Unit Letter O **Project Manager:** Brent Barron, II

Analysis Requested					
	Lab Id:	303625-001			
	Field Id:	MW-2			
	Depth:				
	Matrix:	WATER			
	Sampled:	May-08-08 16:35			
Alkalinity by SM2320B	***Extracted:***				
	Analyzed:	May-13-08 15:55			
	Units/RL:	mg/L	RL		
Alkalinity, Total (as CaCO3)		248	4.00		
BTEX by EPA 8021B	***Extracted:***	May-14-08 17:58			
	Analyzed:	May-14-08 21:50			
	Units/RL:	mg/L	RL		
Benzene		0.0010	0.0010		
Toluene		ND	0.0020		
Ethylbenzene		ND	0.0010		
m,p-Xylenes		ND	0.0020		
o-Xylene		ND	0.0010		
Xylenes, Total		ND			
Total BTEX		0.001			
Inorganic Anions by EPA 300	***Extracted:***				
	Analyzed:	May-16-08 13:21			
	Units/RL:	mg/L	RL		
,loride		1450	50.0		
Fluoride		ND	50.0		
Sulfate		229	50.0		
Metals per ICP by SW846 6010B	***Extracted:***				
	Analyzed:	May-16-08 14:15			
	Units/RL:	mg/L	RL		
Calcium		293	0.100		
Iron		ND	0.030		
Magnesium		78.0	0.010		
Potassium		9.56	0.500		
Sodium		687	0.500		
TDS by SM2540C	***Extracted:***				
	Analyzed:	May-12-08 16:45			
	Units/RL:	mg/L	RL		
Total dissolved solids		2730	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 Company

Work Order #: 303625 **Project ID:** State 36 # 2

Lab Batch #: 722707 **Sample:** 303625-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0327	0.0300	109	80-120	
4-Bromofluorobenzene	0.0267	0.0300	89	80-120	

Lab Batch #: 722707 **Sample:** 303817-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0263	0.0300	88	80-120	

Lab Batch #: 722707 **Sample:** 303817-001 SD / MSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0274	0.0300	91	80-120	
4-Bromofluorobenzene	0.0325	0.0300	108	80-120	

Lab Batch #: 722707 **Sample:** 509077-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0269	0.0300	90	80-120	
4-Bromofluorobenzene	0.0274	0.0300	91	80-120	

Lab Batch #: 722707 **Sample:** 509077-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B	SURROGATE RECOVERY STUDY				
Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0325	0.0300	108	80-120	
4-Bromofluorobenzene	0.0259	0.0300	86	80-120	

** 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 Company

ork Order #: 303625 **Project ID:** State 36 # 2

Lab Batch #: 722707 **Sample:** 509077-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0278	0.0300	93	80-120	
4-Bromofluorobenzene	0.0290	0.0300	97	80-120	

** 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 Company

Work Order #: 303625 **Project ID:** State 36 # 2

Lab Batch #: 722887 **Sample:** 303625-1-BKS **Matrix:** Water
Date Analyzed: 05/13/2008 **Date Prepared:** 05/13/2008 **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 #: 722877 **Sample:** 722877-1-BKS **Matrix:** Water
Date Analyzed: 05/16/2008 **Date Prepared:** 05/16/2008 **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	9.01	90	85-115	
Fluoride	ND	2.00	2.04	102	90-110	
Sulfate	ND	10.0	9.25	93	90-110	

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 Company

Work Order #: 303625
Analyst: SHE
Lab Batch ID: 722707
Sample: 509077-1-BKS
Units: mg/L

Date Prepared: 05/14/2008
Batch #: 1

Project ID: State 36 # 2
Date Analyzed: 05/14/2008
Matrix: Water

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

BTEX by EPA 8021B 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
Benzene	ND	0.1000	0.0813	81	0.1	0.0810	81	0	70-125	25	
Toluene	ND	0.1000	0.0826	83	0.1	0.0840	84	2	70-125	25	
Ethylbenzene	ND	0.1000	0.0910	91	0.1	0.0923	92	1	71-129	25	
m,p-Xylenes	ND	0.2000	0.1924	96	0.2	0.1950	98	1	70-131	25	
o-Xylene	ND	0.1000	0.0931	93	0.1	0.0944	94	1	71-133	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

Form 3 - MS Recoveries

Project Name: Pride Energy Company

Work Order #: 303625
Lab Batch #: 722877
Date Analyzed: 05/16/2008
QC- Sample ID: 303625-001 S
Reporting Units: mg/L

Date Prepared: 05/16/2008
Batch #: 1

Project ID: State 36 # 2
Analyst: LATCOR
Matrix: Water

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	1450	1000	2240	79	85-115	X
Fluoride	ND	200	231	116	90-110	X
Sulfate	229	1000	1120	89	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

Form 3 - MS / MSD Recoveries

Project Name: Pride Energy Company

Work Order # 303625 **Project ID:** State 36 # 2

Lab Batch ID: 722707 **QC- Sample ID:** 303817-001 S **Batch #:** 1 **Matrix:** Water

Date Analyzed: 05/15/2008 **Date Prepared:** 05/14/2008 **Analyst:** SHE

Reporting Units: mg/L

BTEX by EPA 8021B 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
Benzene	0.0080	0.1000	0.0880	80	0.1000	0.0982	90	12	70-125	25	
Toluene	ND	0.1000	0.0835	84	0.1000	0.0937	94	11	70-125	25	
Ethylbenzene	ND	0.1000	0.0917	92	0.1000	0.1017	102	10	71-129	25	
m,p-Xylenes	0.0027	0.2000	0.1946	96	0.2000	0.2153	106	10	70-131	25	
o-Xylene	0.0027	0.1000	0.0969	94	0.1000	0.1069	104	10	71-133	25	

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 Company

Work Order #: 303625

Lab Batch #: 722887 **Project ID:** State 36 # 2
Date Analyzed: 05/13/2008 **Date Prepared:** 05/13/2008 **Analyst:** WRU
QC- Sample ID: 303625-001 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)	248	240	3	20	

Lab Batch #: 722877
Date Analyzed: 05/16/2008 **Date Prepared:** 05/16/2008 **Analyst:** LATCOR
QC- Sample ID: 303625-001 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	1450	1450	0	20	
Fluoride	ND	ND	NC	20	
Sulfate	229	228	0	20	

Lab Batch #: 722863
Date Analyzed: 05/16/2008 **Date Prepared:** 05/16/2008 **Analyst:** LATCOR
QC- Sample ID: 303625-001 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	293	297	1	25	
Iron	ND	0.034	NC	25	
Magnesium	78.0	75.4	3	25	
Potassium	9.56	6.83	33	25	F
Sodium	687	635	8	25	

Lab Batch #: 722586
Date Analyzed: 05/12/2008 **Date Prepared:** 05/12/2008 **Analyst:** WRU
QC- Sample ID: 303625-001 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	2730	3090	12	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:	Trident Environmental	Project Name:	Pride Energy Company
Direct Invoice To:	Matt Pride	Project Manager:	Gil Van Deventer	Project #:	State 36 #2
Billing Address:	P. O. Box 710950	Address:	P. O. Box 7624	Project Location:	T19S-R37E, Section 36, Unit Letter O
City, State, Zip Code:	Tulsa, OK 74170-1950	City, State, Zip Code:	Midland TX 79708-7624	COC #:	V126-0501008-1
Telephone No:	918-524-9200	Telephone No:	432-638-8740		
Fax No:	918-524-9292	Fax No:	413-403-9968		
Email Report to:	mattp@pride-energy.com	Email Report to:	gil@trident-environmental.com		
Sampler:	Gil Van Deventer				

Printed / Signature

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	Preservative: (2) Sulfuric + HDPE	Preservative: HNO3	Preservative: HCl BTEX only	Preservative: NaOH	Preservative: H2SO4	Preservative: None	Preservative: Other (specify)	Matrix: Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify)	Analyze For: TCLP: TPH 418.1 / 8015M	Analyze For: TCLP: Cations (Ca, Mg, Na, K, TC)	Analyze For: TOTAL: Anions (Cl, SO4, CO3, HCO3)	Analyze For: TOTAL: SAR / ESP / CEC	Analyze For: TOTAL: Metals: As Ag Ba Cd Cr Pb Hg Se	Analyze For: TOTAL: Volatiles	Analyze For: TOTAL: Semivolatiles	Analyze For: TOTAL: BTEX 8021B	Analyze For: TOTAL: RCI	Analyze For: TOTAL: N.O.R.M.	Analyze For: TOTAL: Total Dissolved Solids (TDS)	Analyze For: TOTAL: SPLP 1312	Analyze For: TOTAL: Chloride	Analyze For: TOTAL: Total Fe and Mn	RUSH TAT (Pre-Schedule)	Standard TAT
303625																															
01	MW-2	05/08/08	1635	4	X		X						X					X	X					X			X				X

Special Instructions:
Email results to: gil@trident-environmental.com and mattp@pride-energy.com

Sample Containers Intact? (Y) N
Temperature Upon Receipt:
Laboratory Comments:
Sealed in cooler + containers w/labels 1.5°C.

Relinquished by	Date	Time	Received by:	Date	Time
	5/9/08	1710			
Relinquished by	Date	Time	Received by ELOT:	Date	Time
			Jeanne Titsworth	05-09-08	1700

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Pride / Trident

Date/ Time: 05.09.08 @ 1700

Lab ID # : 303625

Initials: JMF

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	1.5 °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

Analytical Report 305357

for

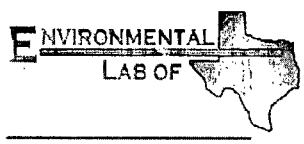
Pride Energy Company

Project Manager: Matt Pride

Pride Energy Company

State 36 # 2

11-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

11-JUN-08

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

Tulsa, OK 74170

Reference: XENCO Report No: **305357**
Pride Energy Company
Project Address: T19S-R37E, Section 36, Unit Letter O

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 305357. 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. 305357 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 305357

Pride Energy Company, Tulsa, OK

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-3 (10')	S	Jun-05-08 12:18		305357-001
MW-3 (20')	S	Jun-05-08 12:20		305357-002
MW-3 (30')	S	Jun-05-08 12:35		305357-003
MW-3 (40')	S	Jun-05-08 12:47		305357-004
MW-4 (10')	S	Jun-05-08 13:53		305357-005
MW-4 (20')	S	Jun-05-08 13:57		305357-006
MW-4 (30')	S	Jun-05-08 14:10		305357-007
MW-4 (40')	S	Jun-05-08 14:20		305357-008

ONMENTAL LAB OF

Certificate of Analysi ummary 305357

Pride Energy Company, Tulsa, OK

Project Name: Pride Energy Company

Project Id: State 36 # 2
Contact: Matt Pride
Project Location: T19S-R37E, Section 36, Unit Letter O

Date Received in Lab: Fri Jun-06-08 01:23 pm
Report Date: 11-JUN-08
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	305357-001		305357-002		305357-003		305357-004		305357-005		305357-006	
	Field Id:	MW-3 (10')		MW-3 (20')		MW-3 (30')		MW-3 (40')		MW-4 (10')		MW-4 (20')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Jun-05-08 12:18		Jun-05-08 12:20		Jun-05-08 12:35		Jun-05-08 12:47		Jun-05-08 13:53		Jun-05-08 13:57	
Inorganic Anions by EPA 300	***Extracted:***												
	Analyzed:	Jun-09-08 17:53		Jun-09-08 17:53		Jun-09-08 17:53		Jun-09-08 17:53		Jun-09-08 17:53		Jun-09-08 17:53	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		133	25.0	88.9	5.00	15.1	5.00	10.2	5.00	196	10.0	71.1	5.00

Brent Barron
Odessa Laboratory Director

Certificate of Analysi ımmary 305357

Pride Energy Company, Tulsa, OK

Project Name: Pride Energy Company

Project Id: State 36 # 2
Contact: Matt Pride
Project Location: T19S-R37E, Section 36, Unit Letter O

Date Received in Lab: Fri Jun-06-08 01:23 pm
Report Date: 11-JUN-08
Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	305357-007	305357-008				
	Field Id:	MW-4 (30')	MW-4 (40')				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Jun-05-08 14:10	Jun-05-08 14:20				
Inorganic Anions by EPA 300	***Extracted:***						
	Analyzed:	Jun-10-08 02:37	Jun-10-08 02:37				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		6.34 5.00	77.6 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 #: 305357 **Project ID:** State 36 # 2

Lab Batch #: 724913 **Sample:** 724913-1-BKS **Matrix:** Solid
Date Analyzed: 06/09/2008 **Date Prepared:** 06/09/2008 **Analyst:** LATCOR
Reporting Units: mg/kg **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	11.4	114	75-125	

Lab Batch #: 725010 **Sample:** 725010-1-BKS **Matrix:** Solid
Date Analyzed: 06/10/2008 **Date Prepared:** 06/10/2008 **Analyst:** LATCOR
Reporting Units: mg/kg **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	11.3	113	75-125	

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

ork Order #: 305357

Lab Batch #: 724913 **Project ID:** State 36 # 2

Date Analyzed: 06/09/2008 **Date Prepared:** 06/09/2008 **Analyst:** LATCOR

QC- Sample ID: 305296-001 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

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	17.6	100	144	126	75-125	X

Lab Batch #: 725010

Date Analyzed: 06/10/2008 **Date Prepared:** 06/10/2008 **Analyst:** LATCOR

QC- Sample ID: 305357-007 S **Batch #:** 1 **Matrix:** Soil

Reporting Units: mg/kg

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	6.34	100	65.8	59	75-125	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 #: 305357

Lab Batch #: 724913 **Project ID:** State 36 # 2
Date Analyzed: 06/09/2008 **Date Prepared:** 06/09/2008 **Analyst:** LATCOR
QC- Sample ID: 305296-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	17.6	17.6	0	20	

Lab Batch #: 725010
Date Analyzed: 06/10/2008 **Date Prepared:** 06/10/2008 **Analyst:** LATCOR
QC- Sample ID: 305357-007 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Inorganic Anions by EPA 300	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	6.34	5.18	20	20	

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:	Trident Environmental	Project Name:	Pride Energy Company
Direct Invoice To:	Matt Pride	Project Manager:	Gil Van Deventer	Project #:	State 36 #2
Billing Address:	P. O. Box 710950	Address:	P. O. Box 7624	Project Location:	T19S-R37E, Section 36, Unit Letter O
City, State, Zip Code:	Tulsa, OK 74170-1950	City, State, Zip Code:	Midland TX 79708-7624	COC #:	
Telephone No:	918-524-9200	Telephone No:	432-638-8740		
Fax No:	918-524-9292	Fax No:	413-403-9968		
Email Report to:	mattp@pride-energy.com	Email Report to:	gil@trident-environmental.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 / TOTAL: TPH 418.1 / 8015M / 1005 / 1006	Cations (Ca, Mg, Na, K, Fe)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B	HCl	N G L M	Total Dissolved Solids (160.1)	SPLP 1312	Chloride	Total Fe and Mn	RUSH TAT (Pre-Schedule)	Standard TAT
305357																													
01	MW-3 (10')	06/05/08	1218	1	X									X													X		X
02	MW-3 (20')	06/05/08	1220	1	X									X													X		X
03	MW-3 (30')	06/05/08	1235	1	X									X													X		X
04	MW-3 (40')	06/05/08	1247	1	X									X													X		X
05	MW-4 (10')	06/05/08	1353	1	X									X													X		X
06	MW-4 (20')	06/05/08	1357	1	X									X													X		X
07	MW-4 (30')	06/05/08	1410	1	X									X													X		X
08	MW-4 (40')	06/05/08	1420	1	X									X													X		X
09																													

Special Instructions:
Email results to: gil@trident-environmental.com and mattp@pride-energy.com

Sample Containers Intact? Y / N
Temperature Upon Receipt: -1.5
Laboratory Comments:

Relinquished by	Date	Time	Received by:	Date	Time
	6/6/08	1:23 pm			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Andrea Lam	6 6 08	1 23

w/labels & seals

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Pride Energy

Date/ Time: 6 6 08 1:23

Lab ID # : 505357

Initials: CaL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	-1.5 °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

Analytical Report 306334

for

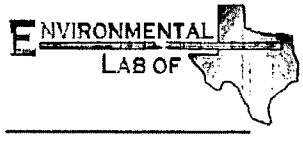
Pride Energy Company

Project Manager: Matt Pride

Pride Energy Company

State 36 # 2

27-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

27-JUN-08

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

Tulsa, OK 74170

Reference: XENCO Report No: **306334**
Pride Energy Company
Project Address: T19S-R37E, Section 36, Unit Letter O

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 306334. 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. 306334 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 306334

Pride Energy Company, Tulsa, OK

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Jun-17-08 08:50		306334-001
MW-2	W	Jun-17-08 10:30		306334-002
MW-3	W	Jun-17-08 09:20		306334-003
MW-4	W	Jun-17-08 10:00		306334-004

Certificate of Analysis Summary 306334

Pride Energy Company, Tulsa, OK

Project Name: Pride Energy Company

Project Id: State 36 # 2 **Date Received in Lab:** Jun-20-08 05:00 pm

Contact: Matt Pride **Report Date:** 27-JUN-08

Project Location: T19S-R37E, Section 36, Unit Letter O **Project Manager:** Brent Barron, II

Analysis Requested	*Lab Id:*	306334-001		306334-002		306334-003		306334-004	
	Field Id:	MW-1		MW-2		MW-3		MW-4	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Jun-17-08 08:50		Jun-17-08 10:30		Jun-17-08 09:20		Jun-17-08 10:00	
Alkalinity by SM2320B	*Extracted:*								
	Analyzed:	Jun-26-08 10:45		Jun-26-08 10:45		Jun-26-08 10:45		Jun-26-08 10:45	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Alkalinity, Total (as CaCO3)		232	4.00	270	4.00	230	4.00	600	4.00
Alkalinity, Bicarbonate (as CaCO3)		232	4.00	270	4.00	230	4.00	244	4.00
Alkalinity, Carbonate (as CaCO3)		ND	4.00	ND	4.00	ND	4.00	ND	4.00
Inorganic Anions by EPA 300	*Extracted:*								
	Analyzed:	Jun-23-08 08:50		Jun-23-08 08:50		Jun-23-08 08:50		Jun-23-08 08:50	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		594	5.00	1980	25.0	733	10.0	1070	12.5
Sulfate		207	5.00	275	25.0	212	10.0	218	12.5
Metals per ICP by SW846 6010B	*Extracted:*								
	Analyzed:	Jun-23-08 11:59		Jun-23-08 11:59		Jun-23-08 11:59		Jun-23-08 11:59	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Calcium		185	0.100	110	0.100	194	0.100	172	0.100
Magnesium		39.7	0.010	25.9	0.010	42.3	0.010	35.8	0.010
ıssium		4.60	0.500	3.01	0.500	6.74	0.500	8.01	0.500
.odium		174	0.500	671	0.500	251	0.500	486	0.500
TDS by SM2540C	*Extracted:*								
	Analyzed:	Jun-23-08 16:30		Jun-23-08 16:30		Jun-23-08 16:30		Jun-23-08 16:30	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Total dissolved solids		1370	5.00	2730	5.00	1810	5.00	2150	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 #: 306334 **Project ID:** State 36 # 2

Lab Batch #: 726566 **Sample:** 726566-1-BKS **Matrix:** Water
Date Analyzed: 06/26/2008 **Date Prepared:** 06/26/2008 **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, Bicarbonate (as CaCO3)	ND	200	176	88	80-120	

Lab Batch #: 726337 **Sample:** 726337-1-BKS **Matrix:** Water
Date Analyzed: 06/23/2008 **Date Prepared:** 06/23/2008 **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	11.6	116	80-120	
Sulfate	ND	10.0	12.0	120	80-120	

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 #: 306334
Lab Batch #: 726337
Date Analyzed: 06/23/2008
QC- Sample ID: 306329-001 S
Reporting Units: mg/L

Date Prepared: 06/23/2008
Batch #: 1

Project ID: State 36 # 2
Analyst: LATCOR
Matrix: Water

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	2600	500	3270	134	80-120	X
Sulfate	477	500	1080	121	80-120	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 #: 306334

Lab Batch #: 726566 **Project ID:** State 36 # 2
Date Analyzed: 06/26/2008 **Date Prepared:** 06/26/2008 **Analyst:** WRU
QC- Sample ID: 306329-001 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, Bicarbonate (as CaCO3)	190	180	20	20	
Alkalinity, Carbonate (as CaCO3)	ND	ND	20	20	
Alkalinity, Total (as CaCO3)	190	180	20	20	

Lab Batch #: 726337
Date Analyzed: 06/23/2008 **Date Prepared:** 06/23/2008 **Analyst:** LATCOR
QC- Sample ID: 306329-001 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	2600	2590	20	20	
Sulfate	477	463	20	20	

Lab Batch #: 726094
Date Analyzed: 06/23/2008 **Date Prepared:** 06/23/2008 **Analyst:** LATCOR
QC- Sample ID: 306329-001 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	ND	603	NC	25	
Magnesium	120	116	3	25	
Potassium	4.41	4.85	10	25	
Sodium	564	575	2	25	
Fluoride	ND	ND	NC	20	

Lab Batch #: 726342
Date Analyzed: 06/23/2008 **Date Prepared:** 06/23/2008 **Analyst:** WRU
QC- Sample ID: 306329-001 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	5700	5580	2	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:	Trident Environmental	Project Name:	Pride Energy Company
Direct Invoice To:	Matt Pride	Project Manager:	Gil Van Deventer	Project #:	State 36 #2
Billing Address:	P. O. Box 710950	Address:	P. O. Box 7624	Project Location:	T19S-R37E, Section 36, Unit Letter O
City, State, Zip Code:	Tulsa, OK 74170-1950	City, State, Zip Code:	Midland TX 79708-7624	COC #:	
Telephone No:	918-524-9200	Telephone No:	432-638-8740		
Fax No:	918-524-9292	Fax No:	413-403-9968		
Email Report to:	mattp@pride-energy.com	Email Report to:	gil@trident-environmental.com		

Sampler: Rozanne Johnson (575) 631-9310 rozanne@valornet.com
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: TPH: 418.1 / 8015M / 1005 / 1006	Cations (Ca, Mg, Na, K, F)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B	PCI	N.O.R.M.	Total Dissolved Solids (SM2540C)	SPLP 1312	Chloride	Total Fe and Mn	RUSH TAT (Pre-Scheduled)	Standard TAT
306334																TCLP:														
																TOTAL:														
-01	MW-1	06/17/08	8:50	1	X							X					X	X								X				X
-02	MW-2	06/17/08	10:30	1	X							X					X	X								X				X
-03	MW-3	06/17/08	9:20	1	X							X					X	X								X				X
-04	MW-4	06/17/08	10:00	1	X							X					X	X								X				X

Special Instructions: Email results to: gil@trident-environmental.com, mattp@pride-energy.com, rozanne@valornet.com

Sample Containers Intact? Y / N
Temperature Upon Receipt
Laboratory Comments:

Relinquished by:	Date	Time	Received by:	Date	Time
Rozanne Johnson	6/20/08	17:00			
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Andrea Lam	6.20.08	17:00

1-poly

5.0 w/labels & seals

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Pride Energy

Date/ Time: 6.20.08 17:00

Lab ID # : 306334

Initials: AL

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)	

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

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TRIDENT ENVIRONMENTAL
ATTN: GIL VAN DEVENTER
P.O. BOX 7624
MIDLAND, TEXAS 79708-7624
FAX TO: (413) 403-9968

Receiving Date: 09/11/08
Reporting Date: 09/22/08
Project Number: STATE 36 #2
Project Name: PRIDE ENERGY COMPANY
Project Location: T19S-R37E-SEC36 UNIT LETTER O
LEA CO., NM

Sampling Date: 09/10/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM/TR

LAB NUMBE SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:	09/15/08	09/15/08	09/15/08	09/15/08	09/12/08	09/12/08
H15913-1 MW-1	192	164	46.2	5.1	1,880	208
H15913-2 MW-2	753	325	58.3	23.7	5,170	204
H15913-3 MW-3	284	176	48.6	8.7	2,320	216
H15913-4 MW-4	478	144	43.7	22.4	3,050	216
Quality Control	NR	48.1	46.2	3.06	1,406	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	96.2	92.4	102	99.5	NR
Relative Percent Difference	NR	<0.1	9.9	0.3	0.6	NR
METHODS:	SM3500-Ca-D		3500-Mg E	8049	120.1	310.1

	Cl (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	09/12/08	09/12/08	09/12/08	09/12/08	09/12/08	09/16/08
H15913-1 MW-1	440	189	0	254	7.18	1,260
H15913-2 MW-2	1,580	279	0	249	7.06	3,440
H15913-3 MW-3	580	225	0	264	7.14	1,660
H15913-4 MW-4	820	226	0	264	7.25	2,070
Quality Control	490	43.3	NR	976	7.00	NR
True Value QC	500	40.0	NR	1000	7.00	NR
% Recovery	98.0	108	NR	97.6	100	NR
Relative Percent Difference	< 0.1	1.6	NR	1.2	<0.1	NR
METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

Chemist

09-22-08
Date

H15913 TRIDENT

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TRIDENT ENVIRONMENTAL
ATTN: GIL VAN DEVENTER
P.O.BOX 7624
MIDLAND, TX 79708-7624
FAX TO: (413) 403-9968

Receiving Date: 09/11/08
Reporting Date: 09/15/08
Project Number: STATE 36 #2
Project Name: PRIDE ENERGY COMPANY
Project Location: T19S-R37E-SEC36 UNIT LETTER O
LEA CO., NM

Sampling Date: 09/10/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		09/12/08	09/12/08	09/12/08	09/12/08
H15913-1	MW-1	<0.001	<0.001	<0.001	<0.003
H15913-2	MW-2	<0.001	<0.001	<0.001	<0.003
H15913-3	MW-3	<0.001	<0.001	<0.001	<0.003
H15913-4	MW-4	<0.001	<0.001	<0.001	<0.003
Quality Control		0.053	0.045	0.047	0.151
True Value QC		0.050	0.050	0.050	0.150
% Recovery		106	90.0	94.0	101
Relative Percent Difference		1.0	4.3	4.0	2.6

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Chemist

09/15/08
Date

H15913WB TRIDENT

101 East Marland - Hobbs, New Mexico 88240
Tel (575) 393-2326
Fax (575) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: Trident Environmental	BILL TO Company: Pride Energy Company / Matt Pride — PO#
Project Manager: Gil Van Deventer / Trident Environmental	Address: (Street, City, Zip) P. O. Box 710950 ~ Tulsa, OK 74170-1950
Address: (Street, City, Zip) P. O. Box 7624 ~ Midland, Texas 79708-7624	Phone#: (918) 524-9200 Fax#: (918) 524-9292
Phone #: (432) 638-8740	Fax #: (413) 403-9968
Project #: State 36 #2	Project Name: Pride Energy Company
Project Location: T19S-R37E-Sec36 Unit Letter O ~ Lea County - New Mexico	Sampler Signature: Rozanne Johnson (575)631-9310 rozanne@valornet.com

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (2 40ml VOA)	HNO_3	NaHSO4	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2008)	TIME	MTBE 8021B/602	BTEX 8021 B	TPH 418.1/TX1005/TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content		Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids (160.1 / SM2540C)	Chlorides (325.3 / SM4500 B)	Turn Around Time ~ 24 Hours
1	MW-1	G	3	X				2				1		9-10	12:50		X															X	X	X	X	
2	MW-2	G	3	X				2				1		9-10	13:40		X															X	X	X	X	
3	MW-3	G	3	X				2				1		9-10	11:30		X															X	X	X	X	
4	MW-4	G	3	X				2				1		9-10	12:10		X															X	X	X	X	

Relinquished by: Rozanne Johnson	Date: 4-11-08	Time: 5:40	Received by:	Date: 4/11/08	Time: 5:40
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff)	Date:	Time:

Phone Results		Yes		No	
Fax Results		Yes		No	Additional Fax Number:

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Cool — Yes ☑ / No ☐; Intact — Yes ☑ / No ☐

CHECKED BY: (Initials)

REMARKS:

Email Results to:
gil@trident-environmental.com
mattp@pride-energy.com
rozanne@valornet.com

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TRIDENT ENVIRONMENTAL
ATTN: GIL VAN DEVENTER
P.O.BOX 7624
MIDLAND, TX 79708-7624
FAX TO: (413) 403-9968

Receiving Date: 12/18/08
Reporting Date: 12/23/08
Project Number: STATE 36 #2
Project Name: PRIDE ENERGY COMPANY
Project Location: T19S-R37E-SEC36 UNIT LETTER O ~ LEA CO., NM

Sampling Date: 12/17/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		12/22/08	12/22/08	12/22/08	12/22/08
H16550-1	MW-1	<0.001	<0.001	<0.001	<0.003
H16550-2	MW-2	<0.001	<0.001	<0.001	<0.003
H16550-3	MW-3	<0.001	<0.001	<0.001	<0.003
H16550-4	MW-4	<0.001	<0.001	<0.001	<0.003
Quality Control		0.045	0.046	0.046	0.141
True Value QC		0.050	0.050	0.050	0.150
% Recovery		90.0	92.0	92.0	94.0
Relative Percent Difference		2.7	5.9	7.0	7.4

METHOD: EPA SW-846 8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Chemist

Date

H16550WB TRIDENT

CARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
TRIDENT ENVIRONMENTAL
ATTN: GIL VAN DEVENTER
P.O. BOX 7624
MIDLAND, TEXAS 79708-7624
FAX TO: (413) 403-9968

Receiving Date: 12/18/08
Reporting Date: 12/23/08
Project Number: STATE 36 #2
Project Name: PRIDE ENERGY COMPANY
Project Location: T19S-R37E-SEC36 UNIT LETTER O
LEA CO., NM

Sampling Date: 12/17/08
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: TR

LAB NUMBE SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity ($mgCaCO_3/L$)
ANALYSIS DATE:	12/23/08	12/23/08	12/23/08	12/22/08	12/19/08	12/19/08
H16550-1 MW-1	195	172	46.2	5.7	1,850	212
H16550-2 MW-2	583	305	68.0	8.3	4,050	212
H16550-3 MW-3	276	180	48.6	7.9	2,260	224
H16550-4 MW-4	495	156	38.9	9.0	2,930	220
Quality Control	NR	48.1	51.0	2.80	1,423	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	96.2	102	93.3	101	NR
Relative Percent Difference	NR	<0.1	<0.1	2.8	0.2	NR
METHODS:		SM3500-Ca-D	3500-Mg E	8049	120.1	310.1

LAB NUMBE SAMPLE ID	Cl (mg/L)	SO_4 (mg/L)	CO_3 (mg/L)	HCO_3 (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	12/22/08	12/22/08	12/19/08	12/19/08	12/19/08	12/22/08
H16550-1 MW-1	440	211	0	259	7.14	1,290
H16550-2 MW-2	1,300	267	0	259	7.08	2,900
H16550-3 MW-3	570	225	0	273	7.16	1,580
H16550-4 MW-4	830	239	0	268	7.26	1,970
Quality Control	500	43.5	NR	1000	7.07	NR
True Value QC	500	40.0	NR	1000	7.00	NR
% Recovery	100	109	NR	100	101	NR
Relative Percent Difference	<0.1	3.5	NR	<0.1	0.4	NR
METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1

Chemist

12-24-08
Date

H16550 TRIDENT

101 East Marland - Hobbs, New Mexico 88240
Tel (575) 393-2326
Fax (575) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: Trident Environmental	BILL TO Company: Pride Energy Company / Matt Pride — PO#
Project Manager: Gil Van Deventer / Trident Environmental	Address: (Street, City, Zip) P. O. Box 710950 ~ Tulsa, OK 74170-1950
Address: (Street, City, Zip) P. O. Box 7624 ~ Midland, Texas 79708-7624	Phone#: (918) 524-9200 Fax#: (918) 524-9292
Phone #: (432) 638-8740	Fax #: (413) 403-9968
Project #: State 36 #2	Project Name: Pride Energy Company
Project Location: T19S-R37E-Sec36 Unit Letter O ~ Lea County - New Mexico	Sampler Signature: Rozanne Johnson (575)631-9310 rozanne@valornet.com

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (2 40ml VOA)	HNO_3	NaHSO4	H_2SO_4	ICE (1-1Liter HDPE)	NONE	SAMPLING: DATE (2008)	TIME
11685-1	MW-1	G	3	X				2				1		12-17	9:55
-2	MW-2	G	3	X				2				1		12-17	10:40
-3	MW-3	G	3	X				2				1		12-17	7:50
-4	MW-4	G	3	X				2				1		12-17	8:35

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021 B	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/608	Pesticides 8081A/608	BOD, TSS, pH	Moisture Content		Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids (160.1 / SM2540C)	Chlorides (325.3 / SM4500 B)	Turn Around Time ~ 24 Hours
	X																X	X	X	X	
	X																X	X	X	X	
	X																X	X	X	X	
	X																X	X	X	X	

Relinquished by: Rozanne Johnson	Date: 12/18/2008	Time: 12:30	Received by:	Date: 12/18/08 Time: 12:31
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff)	Date: Time:

Phone Results		Yes		No		
Fax Results		Yes		No	Additional Fax Number:	

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Cool — Yes [✓] No [ ]; Intact — Yes [✓] No [ ]

CHECKED BY: (Initials)

REMARKS:

Email Results to:

gil@trident-environmental.com
mattp@pride-energy.com
rozanne@valornet.com

APPENDIX D
Monitoring Well Sampling Data Forms

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 1
SITE NAME: State 36 #2
DATE: March 27, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Gil Van Deventer
LAT/LONG: N 33° 36' 45.2", W 103° 12' 14.0"

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☑ Alconox ☑ Distilled Water Rinse ☐ Other: _____

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ SWD Disposal Facility

TOTAL DEPTH OF WELL: 52.4 Feet
DEPTH TO WATER: 43.88 Feet
HEIGHT OF WATER COLUMN: 8.52 Feet
WELL DIAMETER: 2.0 Inch

33'-55' bgs Well Screen Interval
4.2 Minimum gallons to purge 3 well volumes
5 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
10:32 AM	1	20.1	2.39	7.00	4.2		Silty reddish
10:35 AM	2	19.2	2.43	7.02	5.7		
10:38 AM	3	19.3	2.33	7.05	5.7		Clearing somewhat
10:40 AM	4	19.3	2.23	7.07	5.7		
10:48 AM	5	20.1	2.68	7.05	6.2		
10:50 AM							Collected samples in the following containers:
							2 - 40 ml VOA + + 2 - 500 ml plastic
:Total Time (hr:min)			:Total Vol (gal)				:Average Flow Rate (gal/min)

COMMENTS: Hanna Model HI98130 used to obtain temperature, conductivity, & pH, measurements.

Milwaukee Model SM600 used to obtain dissolved oxygen measurements.

Delivered samples to Xenco Laboratories /Environmental Lab of Texas for BTEX, Major Ions, and TDS analyses.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 2
SITE NAME: State 36 #2
DATE: May 8, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Gil Van Deventer
LAT/LONG: N 33° 36' 45.2", W 103° 12' 14.0"

PURGING METHOD: ☑ Hand Bailed ☐ Pump If Pump, Type: _____

SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____

DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:

☑ Gloves ☑conox ☑stilled Water Rinse ☐her: _____

DISPOSAL METHOD OF PURGE WATER: ☑ Surface Discharge ☐ Drums ☐ SWD Disposal Facility

TOTAL DEPTH OF WELL: 57.5 Feet
DEPTH TO WATER: 43.25 Feet
HEIGHT OF WATER COLUMN: 14.25 Feet
WELL DIAMETER: 2.0 Inch

35'-55' bgs Well Screen Interval
7.0 Minimum gallons to purge 3 well volumes
5 Actual Gallons purged

DATE	TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH		PHYSICAL APPEARANCE AND REMARKS
05/07/08		23	17.6	6.90	7.27		Developed well on May 7, 2008
05/08/08	4:16 PM	2.5	20.5	4.73	7.00		Begin purging on May 8, 2008
05/08/08	4:26 PM	5	20.8	5.28	6.95		Clearing somewhat
05/08/08	4:35 PM	7.5	20.5	5.20	6.77		Collected samples in the following containers:
							2 - 40 ml VOA + + 2 - 500 ml plastic
:Total Time (hr:min)			:Total Vol (gal)				:Average Flow Rate (gal/min)

COMMENTS: Hanna Model HI98130 used to obtain temperature, conductivity, & pH, measurements.

Milwaukee Model SM600 used to obtain dissolved oxygen measurements.

Delivered samples to Xenco Laboratories /Environmental Lab of Texas for BTEX, Major Ions, and TDS analyses.

WELL DEVELOPMENT LOG

Company: Pride Energy Company

Well ID: State 36 #2 Monitor Well #3 — Date Well Drilled: June 4, 2008

Date Started: 06/12/08

Date Completed: 06/12/08

Field Personnel: Rozanne Johnson

Development Method: Over pumping with alternate pumping rates to minimize the creation of sediment bridging.

WELL INFORMATION

Description of Measuring Point (MP): The casing lip, indicated by a black mark.

Depth of Well Below MP, ft:	53.79
Depth to Water Below MP, ft:	43.81
Water Column in Well, ft:	9.98
Gallons in Well Column	1.60

FIELD PARAMETERS

Time	Casing Volume	Conductivity/ms	Temperature/C	pH	TDS/ppm	ORP/MV	Drawdown/ft
9:43	Start Pumping						0.00
9:45	2 Gallons	Sand and Silt No Readings					3.62
9:47	4 Gallons	Sand and Silt No Readings					3.74
9:49	6 Gallons	2.43	22.1	7.18	1783	73	3.89
INCREASED RATE 1.5 GPM							
9:53	12 Gallons	Sand and Silt No Readings					4.85
9:58	19.5 Gallons	1.98	24.1	7.31	1427	144	5.02
DECREASE RATE 1.0 GPM							
10:00	21 Gallons	1.80	22.7	7.42	1286	125	4.51
10:05	27 Gallons						
10:08	30 Gallons	1.76	22.5	7.43	1253	126	3.96
LET WELL RECOVER							
10:08							3.96
10:09							1.41
10:15							0.14

Comments: The well responded to the increased and decreased pumping rates with the pump set approximately 1 ft from bottom. 30 gallons of water was displaced from the well bore which would be approximately 18 well column volumes. The well pumped a clear, stream of water with no odor, with the exception of when the pump was started or the rate was increased, the water then turned turbid with sand, but cleared. The well will be sampled at a later date for Major cations, anions, and TDS.

Arc Environmental, LLC ~ P. O. Box 1772 ~ Lovington, New Mexico 88260 (575) 631-9310 rozanne@valornet.com

WELL DEVELOPMENT LOG

Company: Pride Energy Company

Well ID: State 36 #2 Monitor Well #4 — Date Well Drilled: June 4, 2008

Date Started: 06/12/08

Date Completed: 06/12/08

Field Personnel: Rozanne Johnson

Development Method: Over pumping with alternate pumping rates to minimize the creation of sediment bridging.

WELL INFORMATION

Description of Measuring Point (MP): The casing lip, indicated by a black mark.

Depth of Well Below MP, ft:	50.25
Depth to Water Below MP, ft:	43.54
Water Column in Well, ft:	6.71
Gallons in Well Column	1.07

FIELD PARAMETERS

Time	Casing Volume	Conductivity/ms	Temperature/C	pH	TDS/ppm	ORP/MV	Drawdown/ft
8:50	Start Pumping						0.00
8:52	2 Gallons	Sand and Silt No Readings					0.57
8:54	4 Gallons	Sand and Silt No Readings					0.62
8:56	6 Gallons	3.45	21.2	7.15	2561	62	0.65
INCREASED RATE 1.5 GPM							
9:00	12 Gallons	3.50	20.9	7.11	2633	50	0.89
9:05	19.5 Gallons	3.49	20.8	7.12	2634	56	0.92
DECREASE RATE 1.0 GPM							
9:10	24 Gallons	3.51	21.3	7.16	2633	58	0.71
9:15	29 Gallons	3.51	21.4	7.17	2627	59	0.68
LET WELL RECOVER							
9:15							0.68
9:16							0.19
9:20							0.03

Comments: The well responded to the increased and decreased pumping rates with the pump set approximately 1 ft from bottom. 29 gallons of water was displaced from the well bore which would be approximately 27 well column volumes. The well pumped a clear, stream of water with no odor, with the exception of when the pump was started or the rate was increased, the water then turned turbid with sand, but cleared. The well will be sampled at a later date for Major cations, anions, and TDS.

Arc Environmental, LLC ~ P. O. Box 1772 ~ Lovington, New Mexico 88260 (575) 631-9310 rozanne@valornet.com

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: Monitor Well #1
SYSTEM: State 36 #2
DATE: June 17, 2008
SITE LOCATION: T19S R37E Sec36 Unit O
SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Variable Controlled Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 52.37 Feet
DEPTH TO WATER: 43.89 Feet
HEIGHT OF WATER COLUMN: 8.48 Feet
WELL VOLUME: 1.4 Gal.

2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
8:41	21.0	2.25	7.16	Silt and Sand
8:43	20.4	2.26	7.10	Clear/Slight Odor
8:45	20.7	2.20	7.11	
8:50				Samples Collected with Disposable Bailer
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS: Equipment decontamination consists of gloves, Alconox, and Distilled Water Rinse.
Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.
Delivered samples to Xenco Laboratories for Major Ions and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: Monitor Well #2
SYSTEM: State 36 #2
DATE: June 17, 2008
SITE LOCATION: T19S R37E Sec36 Unit O
SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Variable Controlled Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 57.61 Feet
DEPTH TO WATER: 43.31 Feet
HEIGHT OF WATER COLUMN: 14.30 Feet
WELL VOLUME: 2.3 Gal.

2 In. Well Diameter
10 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
10:18	23.0	23.78	6.79	Silt and Sand
10:20	21.5	8.69	7.02	Silt and Sand
10:22	21.8	6.24	7.03	Silt and Sand
10:24	20.9	5.86	7.03	Clear/Slight Odor
10:26	21.0	5.56	7.03	Clear/Slight Odor
10:30				Samples Collected with Disposable Bailer
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS: Equipment decontamination consists of gloves, Alconox, and Distilled Water Rinse.
Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.
Delivered samples to Xenco Laboratories for Major Ions and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: Monitor Well #3
SYSTEM: State 36 #2
DATE: June 17, 2008
SITE LOCATION: T19S R37E Sec36 Unit O
SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Variable Controlled Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 53.83 Feet
DEPTH TO WATER: 43.83 Feet
HEIGHT OF WATER COLUMN: 10.00 Feet
WELL VOLUME: 1.6 Gal.

2 In. Well Diameter
8 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:20	22.0	2.38	7.21	Silt and Sand
9:22	21.6	2.64	7.26	Silt and Sand
9:24	22.0	2.71	7.16	Clear/No Odor
9:26	21.8	2.74	7.17	Clear/No Odor
9:30				Samples Collected with Disposable Bailer
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS: Equipment decontamination consists of gloves, Alconox, and Distilled Water Rinse.
Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.
Delivered samples to Xenco Laboratories for Major Ions and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: Monitor Well #4
SYSTEM: State 36 #2
DATE: June 17, 2008
SITE LOCATION: T19S R37E Sec36 Unit O
SAMPLER: Rozanne Johnson

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Variable Controlled Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:

DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 50.30 Feet
DEPTH TO WATER: 43.54 Feet
HEIGHT OF WATER COLUMN: 6.76 Feet
WELL VOLUME: 1.1 Gal.

2 In. Well Diameter
6 Gallons purged prior to sampling

TIME	TEMP. °C	COND. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
9:45	22.2	3.43	7.29	Silt and Sand
9:47	21.5	3.52	7.18	Silt and Sand
9:49	21.2	3.54	7.21	Clear/No Odor
9:51	21.3	3.55	7.21	Clear/No Odor
10:00				Samples Collected with Disposable Bailer
				Major Ions/TDS (1-1000ml Plastic)

COMMENTS: Equipment decontamination consists of gloves, Alconox, and Distilled Water Rinse.
Myron Model 6P instrument used to obtain pH, conductivity, and temperature measurements.
Delivered samples to Xenco Laboratories for Major Ions and TDS analysis.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 1
SITE NAME: State 36 #2
DATE: September 10, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Rozanne Johnson
LAT/LONG: N 33° 36' 45.2", W 103° 12' 14.0"

PURGING METHOD: ☐ Hand Bailed ☑ Pump If Pump, Ty: Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☑ Alcond ☑ Distilled Water R ☐ se Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drum ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 52.40 Feet
DEPTH TO WATER: 43.97 Feet — 30'-50' bgs Well Screen Interval
HEIGHT OF WATER COLUMN: 8.43 Feet — 4.1 Minimum gallons to purge 3 well volumes
WELL DIAMETER: 2.0 Inch — 6 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
12:25 PM	0						Begin purging
12:29 PM	2	19.1	2.17	7.19			Silt and sand
12:33 PM	4	19.3	2.12	7.23			Clear/Slight Odor
12:37 PM	6	19.4	2.11	7.25			
12:50 PM							Samples Collected with Disposable Bailer
							Samples Collected
							Major Ions (1-1000ml Plastic)
							BTEX 8021B (2-40 ml glass VOA)
0:12	:Total Time (hr:min)		6	:Total Vol (gal)		0.50	:Average Flow Rate (gal/min)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity and temperature measurements.

Delivered samples to Cardinal Laboratories Hobbs, New Mexico for analyses.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 2
SITE NAME: State 36 #2
DATE: September 10, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Rozanne Johnson
LAT/LONG:

PURGING METHOD: ☐ Hand Bailed ☑ Pump If Pump, Ty: Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☑ Alconox ☑ Distilled Water R☐e Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drum ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 57.61 Feet
DEPTH TO WATER: 43.37 Feet — 30'-50' bgs Well Screen Interval
HEIGHT OF WATER COLUMN: 14.24 Feet — 7.0 Minimum gallons to purge 3 well volumes
WELL DIAMETER: 2.0 Inch — 8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
1:15 PM	0						Begin purging
1:19 PM	2						Silt and Sand
1:23 PM	4	19.7	9.79	7.12			Clear/Slight Odor
1:27 PM	6	19.9	5.95	7.09			Clear/Slight Odor
1:31 PM	8	20.1	5.75	7.08			Clear/Slight Odor
							Samples Collected with Disposable Bailer
1:40 PM							Major Ions (1-1000ml Plastic)
							BTEX 8021B (2-40 ml glass VOA)
0:16	:Total Time (hr:min)		8	:Total Vol (gal)		0.50	:Average Flow Rate (gal/min)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity and temperature measurements.

Delivered samples to Cardinal Laboratories Hobbs, New Mexico for analyses.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 3
SITE NAME: State 36 #2
DATE: September 10, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Rozanne Johnson
LAT/LONG:

PURGING METHOD: ☐ Hand Bailed ☑ Pump If Pump, Ty Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hos ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☑ Alcono ☑ Distilled Water R ☐ se Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drum ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 53.83 Feet
DEPTH TO WATER: 43.85 Feet — 30'-50' bgs Well Screen Interval
HEIGHT OF WATER COLUMN: 9.98 Feet — 4.9 Minimum gallons to purge 3 well volumes
WELL DIAMETER: 2.0 Inch — 6 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
11:10 AM	0						Begin purging
11:14 AM	2	19.9	2.52	7.15			Silt and Sand
11:18 AM	4	19.9	2.43	7.11			Clear/No Odor
11:22 AM	6	20.0	2.43	7.12			Clear/No Odor
11:30 AM							Samples Collected with Disposable Bailer
							Major Ions (1-1000ml Plastic)
							BTEX 8021B (2-40 ml glass VOA)
0:12	:Total Time (hr:min)		6	:Total Vol (gal)		0.50	:Average Flow Rate (gal/min)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity and temperature measurements.

Delivered samples to Cardinal Laboratories Hobbs, New Mexico for analyses.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 4
SITE NAME: State 36 #2
DATE: September 10, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Rozanne Johnson
LAT/LONG:

PURGING METHOD: ☐ Hand Bailed ☑ Pump If Pump, Ty: Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hos ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☑ Alcono ☑ Distilled Water R ☐ se Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drum ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 50.30 Feet
DEPTH TO WATER: 43.61 Feet — 30'-50' bgs Well Screen Interval
HEIGHT OF WATER COLUMN: 6.69 Feet — 3.3 Minimum gallons to purge 3 well volumes
WELL DIAMETER: 2.0 Inch — 4 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
11:50 AM	0						Begin purging
11:54 AM	2	19.7	3.39	7.25			Clear/No Odor
11:58 AM	4	19.7	3.43	7.26			Clear/No Odor
12:10 PM							Samples Collected with Disposable Bailer
							Major Ions (1-1000ml Plastic)
							BTEX 8021B (2-40 ml glass VOA)
0:08	:Total Time (hr:min)		4	:Total Vol (gal)		0.50	:Average Flow Rate (gal/min)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity and temperature measurements.

Delivered samples to Cardinal Laboratories Hobbs, New Mexico for analyses.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 1
SITE NAME: State 36 #2
DATE: December 17, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Rozanne Johnson
LAT/LONG: N 33° 36' 45.2", W 103° 12' 14.0"

PURGING METHOD: ☐ Hand Bailed ☑ Pump If Pump, Ty: Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hos ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☑ Alcond ☑ Distilled Water R ☐ se Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drum ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 52.40 Feet
DEPTH TO WATER: 43.96 Feet — 30'-50' bgs Well Screen Interval
HEIGHT OF WATER COLUMN: 8.44 Feet — 4.1 Minimum gallons to purge 3 well volumes
WELL DIAMETER: 2.0 Inch — 6 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
9:25 AM	0						Begin purging
9:29 AM	2	18.8	2.06	7.25			Silt and sand
9:33 AM	4	18.9	2.05	7.16			Clear/Slight Odor
9:37 AM	6	18.9	2.06	7.17			
9:55 AM							Samples Collected with Disposable Bailer
							Samples Collected
							Major Ions (1-1000ml Plastic)
							BTEX 8021B (2-40 ml glass VOA)
0:12	:Total Time (hr:min)		6	:Total Vol (gal)		0.50	:Average Flow Rate (gal/min)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity and temperature measurements.

Delivered samples to Cardinal Laboratories Hobbs, New Mexico for analyses.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 2
SITE NAME: State 36 #2
DATE: December 17, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Rozanne Johnson
LAT/LONG:

PURGING METHOD: ☐ Hand Bailed ☑ Pump If Pump, Ty: Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☑ Alconox ☑ Distilled Water R☐e Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drum ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 57.61 Feet
DEPTH TO WATER: 43.38 Feet — 30'-50' bgs Well Screen Interval
HEIGHT OF WATER COLUMN: 14.23 Feet — 7.0 Minimum gallons to purge 3 well volumes
WELL DIAMETER: 2.0 Inch — 8 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
10:15 AM	0						Begin purging
10:19 AM	2						Silt and Sand
10:23 AM	4	19.7	9.79	7.12			Clear/Slight Odor
10:27 AM	6	19.9	5.95	7.09			Clear/Slight Odor
10:31 AM	8	20.1	5.75	7.08			Clear/Slight Odor
							Samples Collected with Disposable Bailer
10:40 AM							Major Ions (1-1000ml Plastic)
							BTEX 8021B (2-40 ml glass VOA)
0:16	:Total Time (hr:min)		8	:Total Vol (gal)		0.50	:Average Flow Rate (gal/min)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity and temperature measurements.

Delivered samples to Cardinal Laboratories Hobbs, New Mexico for analyses.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 3
SITE NAME: State 36 #2
DATE: December 17, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Rozanne Johnson
LAT/LONG:

PURGING METHOD: ☐ Hand Bailed ☑ Pump If Pump, Ty: Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hos ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☑ Alcono ☑ Distilled Water R ☐ se Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drum ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 53.83 Feet
DEPTH TO WATER: 43.91 Feet — 30'-50' bgs Well Screen Interval
HEIGHT OF WATER COLUMN: 9.92 Feet — 4.9 Minimum gallons to purge 3 well volumes
WELL DIAMETER: 2.0 Inch — 6 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
7:20 AM	0						Begin purging
7:24 AM	2	18.9	2.31	7.20			Silt and Sand
7:28 AM	4	18.7	2.55	7.17			Clear/No Odor
7:32 AM	6	18.8	2.55	7.17			Clear/No Odor
7:50 AM							Samples Collected with Disposable Bailer
							Major Ions (1-1000ml Plastic)
							BTEX 8021B (2-40 ml glass VOA)
0:12	:Total Time (hr:min)		6	:Total Vol (gal)		0.50	:Average Flow Rate (gal/min)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity and temperature measurements.

Delivered samples to Cardinal Laboratories Hobbs, New Mexico for analyses.

WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
WELL ID: MW- 4
SITE NAME: State 36 #2
DATE: December 17, 2008
SITE LOCATION: T19S-R37E-Sec 36 Unit O
SAMPLER: Rozanne Johnson
LAT/LONG:

PURGING METHOD: ☐ Hand Bailed ☑ Pump If Pump, Ty Purge Pump
SAMPLING METHOD: ☑ Disposable Bailer ☐ Direct from Discharge Hos ☐ Other:
DESCRIBE EQUIPMENT DECONTAMINATION METHOD BEFORE SAMPLING THE WELL:
☑ Gloves ☑ Alcono ☑ Distilled Water R se Other:

DISPOSAL METHOD OF PURGE WATER: ☐ Surface Discharge ☐ Drum ☑ SWD Disposal Facility

TOTAL DEPTH OF WELL: 50.30 Feet
DEPTH TO WATER: 43.63 Feet — 30'-50' bgs Well Screen Interval
HEIGHT OF WATER COLUMN: 6.67 Feet — 3.3 Minimum gallons to purge 3 well volumes
WELL DIAMETER: 2.0 Inch — 4 Actual Gallons purged

TIME	VOLUME PURGED	TEMP. °C	COND. mS/cm	pH	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
8:15 AM	0						Begin purging
8:19 AM	2	18.8	3.19	7.28			Clear/No Odor
8:23 AM	4	18.9	3.27	7.26			Clear/No Odor
8:35 AM							Samples Collected with Disposable Bailer
							Major Ions (1-1000ml Plastic)
							BTEX 8021B (2-40 ml glass VOA)
0:08	:Total Time (hr:min)		4	:Total Vol (gal)		0.50	:Average Flow Rate (gal/min)

COMMENTS:

Myron Model 6P instrument used to obtain pH, conductivity and temperature measurements.

Delivered samples to Cardinal Laboratories Hobbs, New Mexico for analyses.

APPENDIX E

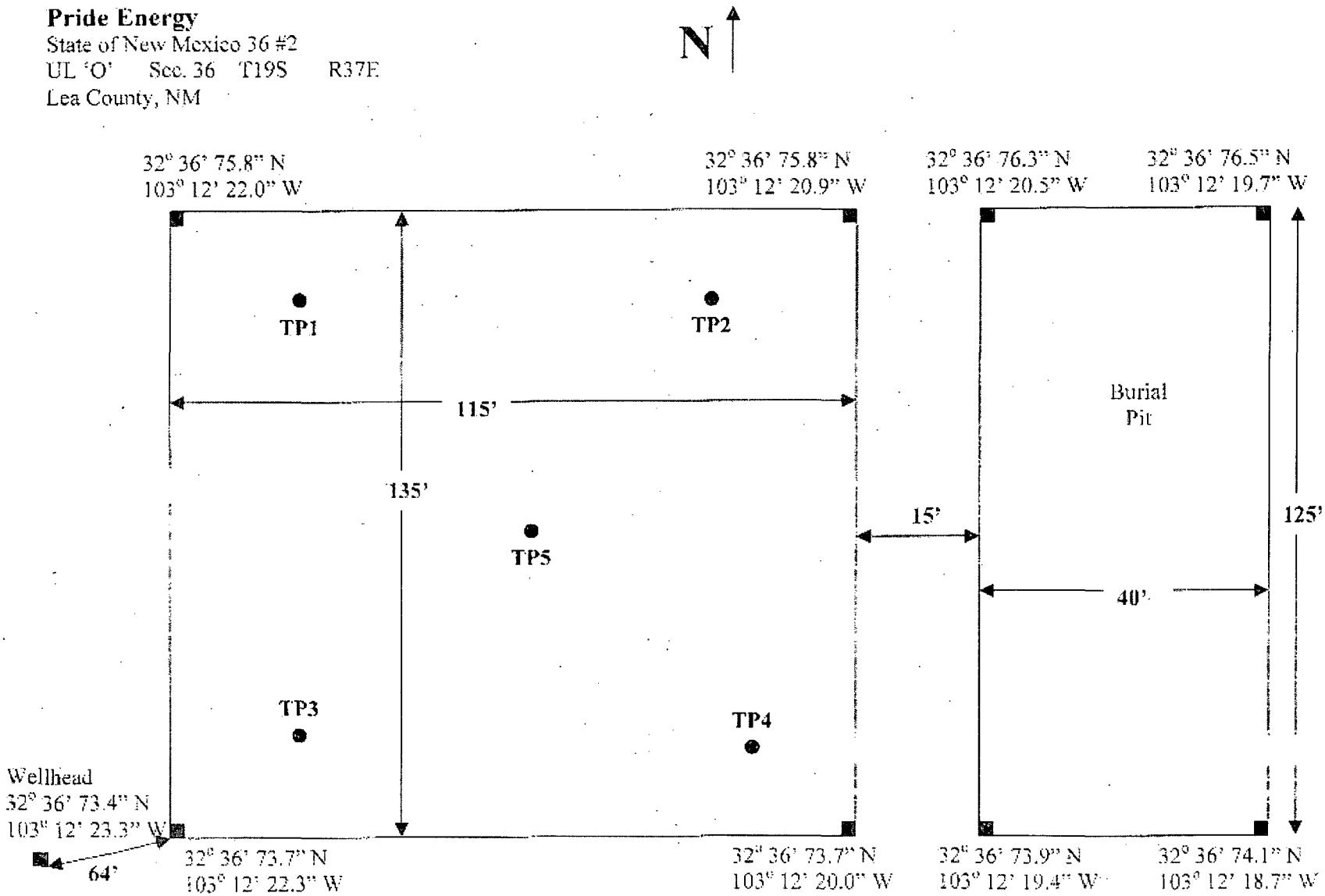
Preliminary Data and C-144 Submissions

by Elke Environmental

and

C-141 Release Notification

Pride Energy
State of New Mexico 36 #2
UL 'O' Sec. 36 T19S R37E
Lea County, NM



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

Field Analytical Report Form

Client Pride Energy **Analyst** Jason Jessup

Site State of New Mexico 36 #2

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1	2-18-08	8'		11,422		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-18-08	10'		2,109		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-18-08	12'		10,856		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-18-08	14'		22,566		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-18-08	16'		1,865		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-18-08	18'		14,717		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-18-08	20'		10,613		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-19-08	22'		9,962		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-19-08	24'		10,583		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-28-08	25'		6,248		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-28-08	30'		2,367		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-28-08	35'		3,630		32° 36' 75.2" N 103° 12' 21.9" W
TP1	2-28-08	40'		5,529	23.1	32° 36' 75.2" N 103° 12' 21.9" W
TP2	2-18-08	8'		4,833		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-18-08	10'		2,375		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-18-08	12'		944		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-18-08	14'		823		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-18-08	16'		1,854		32° 36' 75.4" N 103° 12' 20.5" W

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

Field Analytical Report Form

Client Pride Energy **Analyst** Jason Jessup

Site State of New Mexico 36 #2

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP2	2-18-08	18'		875		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-18-08	20'		1,354		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-19-08	22'		772		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-19-08	23'		580		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-19-08	24'		622		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-28-08	25'		280		32° 36' 75.4" N 103° 12' 20.5" W
TP2	2-28-08	30'		151	5.5	32° 36' 75.4" N 103° 12' 20.5" W
TP3	2-18-08	8'		6,959		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-18-08	10'		7,914		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-18-08	12'		5,292		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-18-08	14'		1,322		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-18-08	16'		1,154		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-18-08	18'		868		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-18-08	20'		1,422		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-19-08	22'		1,644		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-19-08	23'		666		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-19-08	24'		350		32° 36' 73.7" N 103° 12' 21.7" W
TP3	2-28-08	25'		90	9.3	32° 36' 73.7" N 103° 12' 21.7" W

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

Field Analytical Report Form

Client Pride Energy **Analyst** Jason Jessup

Site State of New Mexico 36 #2

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP4	2-18-08	8'		14,168		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-18-08	10'		21,472		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-18-08	12'		21,690		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-18-08	14'		13,942		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-18-08	16'		13,301		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-18-08	18'		1,986		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-18-08	20'		7,344		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-19-08	22'		2,696		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-19-08	23'		1,499		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-19-08	24'		5,217		32° 36' 73.9" N 103° 12' 20.5" W
TP4	2-28-08	25'		221	7.7	32° 36' 73.9" N 103° 12' 20.5" W
TP5	2-18-08	8'		1,159		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-18-08	10'		1,197		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-18-08	12'		609		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-18-08	14'		730		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-18-08	16'		603		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-18-08	18'		890		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-18-08	20'		657		32° 36' 74.5" N 103° 12' 21.2" W

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

Field Analytical Report Form

Client Pride Energy **Analyst** Jason Jessup

Site State of New Mexico 36 #2

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP5	2-19-08	22'		391		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-19-08	24'		301		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-28-08	25'		845		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-28-08	30'		390		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-28-08	35'		140	6.3	32° 36' 74.5" N 103° 12' 21.2" W
Background	2-18-08	Surface		232		

Certificate of Analysis Summary 298237

Elke Environmental, Inc., Odessa, TX

Project Name: Pride Energy

Project Id:
Contact: Logan Anderson
Project Location: State of New Mexico 36 # 2

Date Received in Lab: Sat Feb-23-08 09:28 am
Report Date: 27-FEB-08
Project Manager: Brent Barron, II

Analysis Requested											
	Lab Id:	298237-001		298237-002		298237-003		298237-004		298237-005	
	Field Id:	TP1 @ 40'		TP2 @ 30'		TP3 @ 25'		TP4 @ 25'		TP5 @ 35'	
	Depth:	40 ft		30 ft		25 ft		25 ft		35 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-22-08 10:10		Feb-22-08 09:35		Feb-22-08 08:45		Feb-22-08 09:00		Feb-22-08 10:58	
Determination of Inorganic Anions per Ion Chromatography by	*Extracted:*										
	Analyzed:	Feb-26-08 08:28		Feb-26-08 16:24		Feb-26-08 16:24		Feb-26-08 16:24		Feb-26-08 16:24	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3540	51.9	62.0	5.11	95.1	5.24	139	5.45	33.5	5.09
Percent Moisture	*Extracted:*										
	Analyzed:	Feb-25-08 16:57		Feb-25-08 16:57		Feb-25-08 16:57		Feb-25-08 16:57		Feb-25-08 16:57	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		3.66		2.12		4.61		8.26		1.73	
TPH by SW8015 Mod	*Extracted:*	Feb-25-08 15:44		Feb-25-08 15:44		Feb-25-08 15:44		Feb-25-08 15:44		Feb-25-08 15:44	
	Analyzed:	Feb-25-08 21:28		Feb-25-08 22:21		Feb-25-08 22:48		Feb-25-08 23:14		Feb-25-08 23:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	15.0	ND	15.0	ND	15.0	ND	15.0	ND	15.0
C12-C28 Diesel Range Hydrocarbons		50.1	15.0	ND	15.0	ND	15.0	ND	15.0	ND	15.0
C28-C35 Oil Range Hydrocarbons		64.6	15.0	ND	15.0	ND	15.0	ND	15.0	ND	15.0
Total TPH		114.7		ND		ND		ND		ND	

Brent Barron
Odessa Laboratory Director

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Monitor Well Report Form

Client Pride Energy **Date** 2-25-08

Site State of New Mexico 36 #2

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	43.8'	52.4'	8.6'	4.2	4.25	10:45am

Notes Sampled for TPH 8015M and Chloride

Signature _____

Certificate of Anal[illegible] Summary 298423

Elke Environmental, Inc., Odessa, TX

Project Name: Pride Energy

Project Id:

Contact: Logan Anderson

Project Location: State of New Mexico 36 # 2

Date Received in Lab: Wed Feb-27-08 10:41 am

Report Date: 03-MAR-08

Project Manager: Brent Barron, II

Analysis Requested							
	Lab Id:	298423-001					
	Field Id:	MW-1					
	Depth:	42.8-52.4 ft					
	Matrix:	WATER					
	Sampled:	Feb-25-08 10:45					
Anions by EPA 300/300.1	*Extracted:*						
	Analyzed:	Feb-29-08 10:58					
	Units/RL:	mg/L	RL				
Chloride		489	5.20				
TPH By SW8015 Mod	*Extracted:*	Feb-29-08 14:00					
	Analyzed:	Mar-01-08 00:28					
	Units/RL:	mg/L	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	1.50				
C12-C28 Diesel Range Hydrocarbons		1.39	1.50				
C28-C35 Oil Range Hydrocarbons		ND	1.50				
Total TPH		1.39					

Brent Barron
Odessa Laboratory Director

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

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: State of New Mexico 36 #2 API #: 30-025-36909 U/L or Qtr/Qtr O Sec 36 T 19S R 37E
County: Lea Latitude 32-36-43.8 Longitude 103-12-14.4 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**

RECEIVED
DEC 2007
Hobbs OCD

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 Eike 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

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: 36 Township: 19S Range: 37E N.M.P.M.
in Lea County.

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

C. Latitude: 32 d 36 m 45.2 s Longitude: 103 d 12 m 14.0 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 O _____ 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: State of New Mexico 36-#2 MW-1

Drilling began: 02/22/08 ; Completed: 02/22/08 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 51.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: 41.02 ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 MW-1

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of water-bearing formation	Estimated Yield (GPM)
28.0	51.0	23.0	Tan sand & red shale	

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	31.0			
2.0	.020	4.0	31.0	51.0	20.0		31.0	51.0

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
51.0	29.0	6 1/8	12.0		8/16 sand.
29.0	10.0	6 1/8	2.5		Bentonite Pellets
10.0	0.0	6 1/8	9.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: _____

Address: _____

Plugging Method: _____

Date Well Plugged: _____

Plugging approved by: _____
State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			
5			

File Number: _____ Trn Number: _____

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: State of New Mexico 36-#2 MW-1

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	1.0	1.0	Caliche.
1.0	8.0	7.0	Brown sandy clay.
8.0	23.0	15.0	Caliche.
23.0	26.0	3.0	Chert.
26.0	28.0	2.0	Dry gravel.
28.0	49.0	21.0	Tar sand.
49.0	51.0	3.0	Red shale.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: State of New Mexico 36-#2 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.

_____ Driller

3/10/08 (mm/dd/year)

FOR STATE ENGINEER USE ONLY

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

File Number: _____ Trn Number: _____

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-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Second Report ☐ Final Report

Name of Company Pride Energy Company	Contact Matt Pride
Address P O Box 701950 Tulsa, OK 74170	Telephone No. 918-524-9200
Facility Name State 36 #2	Facility Type Drilling Pit

Surface Owner State	Mineral Owner State	API No. 30-025-36909

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	36	19S	37E	990	SOUTH	2310	EAST	LEA

Latitude 32.6121 ° Longitude 103.2040 °

NATURE OF RELEASE

Type of Release Drilling pit fluids	Volume of Release Unknown	Volume Recovered None
Source of Release Drilling pit	Date and Hour of Occurrence Unknown	Date and Hour of Discovery May 21, 2008 (4:10 PM)
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? By phone to: Glenn von Gonten, NMOCD – Santa Fe Larry Johnson, NMOCD–District 1 (Hobbs)	
By Whom? Gilbert Van Deventer (agent for Pride Energy Co.)	Date and Hour May 22, 2008 (9:30 AM)	
Was a Watercourse Reached? ☒ Yes ☐ No	If YES, Volume Impacting the Watercourse Unknown	

If a Watercourse was Impacted, Describe Fully.

In late February 2008 Elke Environmental supervised the installation and sampling of a monitoring well (MW-1) located near the northwest corner of the former drilling pit. Chlorides (557 mg/l) and TDS (1770 mg/l.) slightly exceeded the WQCC standards. Since there was a possibility of an upgradient offsite source due to regional impacts in the Monument area, a second monitoring well (MW-2) located at the southeast corner of the drilling pit was installed under the oversight of Trident Environmental on 05/02/08, developed on 05/07/08, and sampled on 05/08/08 to determine if the drilling pit is the source for groundwater impact.

Describe Cause of Problem and Remedial Action Taken.

Review of laboratory analysis of groundwater samples collected from MW-2 (chloride - 1450 mg/l and TDS - 2730 mg/l) confirms downward migration of drilling fluids to water table. A plat map and field and laboratory analytical results are attached.

Describe Area Affected and Cleanup Action Taken.*

Pride Energy has retained Trident Environmental to develop a site investigation work plan and monitoring program to enable further characterization of the site and a design for an effective abatement option, if necessary. We plan to install one monitoring well ~100 feet southeast of MW-2 to delineate the downgradient extent of the impact (chloride of 250 mg/L or background) and a cross-gradient well about 80 ft east of the east edge of the former drilling pit (for background water quality and water table contouring purposes). We expect that these two additional wells would be the final monitoring wells necessary to fully characterize the site, particularly because of the relatively low level of groundwater impact so far characterized.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Matthew L. Pride By: Pride Production Co., Inc. Printed Name: Title: General Partner By: Matthew L. Pride Title: Title: President E-mail Address: mattp@pride-energy.com	OIL CONSERVATION DIVISION Approved by District Supervisor:
Date: May 21, 2008 Phone: (918) 524-9200	Approval Date: Expiration Date:
	Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary