1R - 501

INITIAL REPORT

04/16/2008

1R501

TRIDENT ENVIRONMENTAL

April 16, 2008

RECEIVED

APR 13 2008

Oil Conservation Division
Environmental Bureau

CERTIFIED MAIL
RETURN RECIEPT NO. 7099 3400 0017 1737 2039

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: Notice of Potential Groundwater Impact
Pride Energy Company – State 36 #2 Reserve Pit (API # 30-025-36909)
T19S-R37E, Section 36, Unit Letter O
Lea County, New Mexico

Dear Mr. von Gonten:

On behalf of Pride Energy Company, Trident Environmental submits to the NMOCD this notification of potential groundwater impact at the above-referenced site in accordance with NM Rule 116.

Preliminary assessment of the soil and groundwater conditions was conducted by Elke Environmental during closure activities associated with the former reserve pit in February and March 2008. After our review of the data collected by Elke Environmental (Attachment A), we re-sampled the on site monitoring well on March 27, 2008, to verify groundwater impact. Based on the results of the re-sampling activity (Attachment B) we have determined that the constituents of concern are chloride (557 mg/L) and total dissolved solids (1,770 mg/L). The laboratory did not detect benzene, toluene, ethylbenzene, or xylenes (BTEX) in the March sample. Analyses for regulated hydrocarbons did not occur during Elke's February sampling event.

Elke Environmental had the monitoring well installed upgradient (northwest) of the former reserve pit, however we suspect a more appropriate location would have been at the southeast edge based on the prevailing groundwater gradient in the Monument area.

The possibility remains that there is an upgradient offsite source due to regional impacts in the Monument area. Therefore, we plan to install at least one additional monitoring well at the southeast edge of the former reserve pit for a better assessment of the magnitude of impact to groundwater as soon as we can schedule a drilling contractor (within 30 days).

We understand that future corrective actions at this site may be subject to New Mexico Rule 19 (19.15.1.19 NMAC), however at this time it is not conclusive. After completing the above monitoring well and collecting the analytical data we will prepare a site investigation report. The report will include a work plan for further site characterization, a monitoring program, and a design for an effective abatement option within 60 days of commencing drilling operations.

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

Sincerely,

Gilbert J. Van Deventer, PG, REM
Project Manager

Attachments: soil and groundwater sampling data forms, laboratory analytical Reports, Form C-144, and Form C-141

Copy: Pride Energy Company (Matt Pride)
R. T. Hicks Consultants, Ltd, (Randy Hicks)
NMOCD District I (Hobbs NM)

ATTACHMENT A

FORM C-144

PRELIMINARY
SOIL & GROUNDWATER SAMPLING RESULTS
(ELKE ENVIRONMENTAL)

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
220 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**

DEC 2007 Received 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 Elke Environmental Solidification Product at a 20(mud) to 1(product) ratio to solidify the mud then placed in the burial pit. After all mud is removed the pit bottoms will be sampled Per NMOCD guidelines. The drilling pit will be backfilled with clean native soil and contoured to the surrounding area. A final report will be submitted after completion of The job.

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

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

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

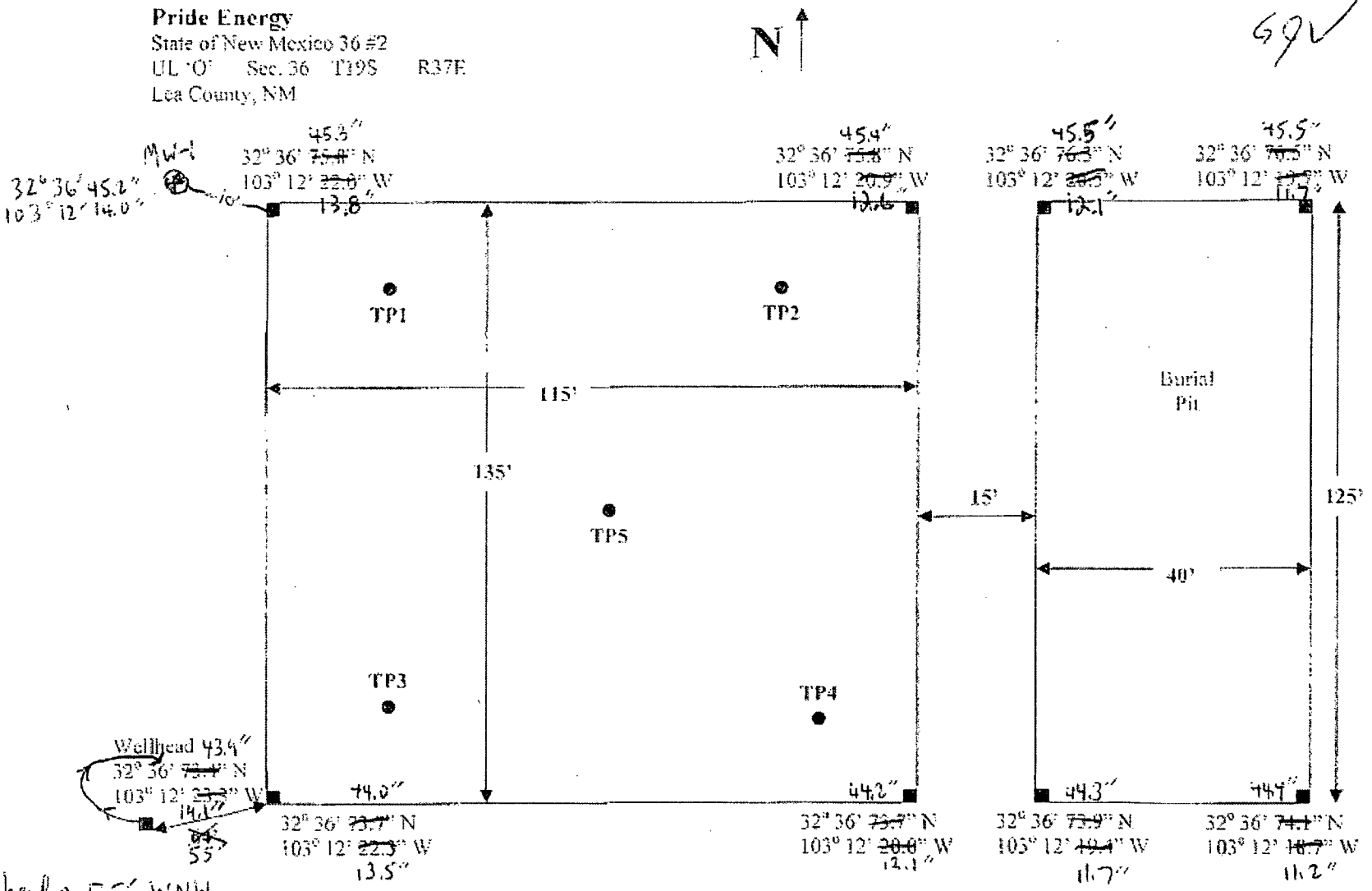
Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with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

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

Revised lat/long readings; added MW-1 location; MW-1 re-sampled on 03-22-05 analysis for major ions, TDS, & BTEX

GW

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



Wellhead ~ 55' WNW of Southwest corner of pit

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		

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 _____

Analytical Report 298237

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

27-FEB-08

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers:
Houston, TX T104704215

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

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

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

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

27-FEB-08

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

Reference: XENCO Report No: **298237**
Pride Energy
Project Address: State of New Mexico 36 # 2

Logan Anderson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 298237. 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. 298237 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 298237

Elke Environmental, Inc., Odessa, TX

Pride Energy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP1 @ 40'	S	Feb-22-08 10:10	40 ft	298237-001
TP2 @ 30'	S	Feb-22-08 09:35	30 ft	298237-002
TP3 @ 25'	S	Feb-22-08 08:45	25 ft	298237-003
TP4 @ 25'	S	Feb-22-08 09:00	25 ft	298237-004
TP5 @ 35'	S	Feb-22-08 10:50	35 ft	298237-005

Certificate of Anal 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 10:50	
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		354	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

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Pride Energy

Work Order #: 298237 **Project ID:**

Lab Batch #: 715577 **Sample:** 298237-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.1	100	86	70-135	
o-Terphenyl	46.3	50.0	93	70-135	

Lab Batch #: 715577 **Sample:** 298237-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.5	100	98	70-135	
o-Terphenyl	51.1	50.0	102	70-135	

Lab Batch #: 715577 **Sample:** 298237-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	51.0	50.0	102	70-135	

Lab Batch #: 715577 **Sample:** 298237-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.4	100	88	70-135	
o-Terphenyl	46.7	50.0	93	70-135	

Lab Batch #: 715577 **Sample:** 298237-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.6	100	93	70-135	
o-Terphenyl	49.6	50.0	99	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Form 2 - Surrogate Recoveries

Project Name: Pride Energy

Work Order #: 298237 **Project ID:**

Lab Batch #: 715577 **Sample:** 298237-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.2	100	90	70-135	
o-Terphenyl	48.2	50.0	96	70-135	

Lab Batch #: 715577 **Sample:** 298237-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	86.5	100	87	70-135	
o-Terphenyl	45.1	50.0	90	70-135	

Lab Batch #: 715577 **Sample:** 505090-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	54.3	50.0	109	70-135	

Lab Batch #: 715577 **Sample:** 505090-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.7	100	97	70-135	
o-Terphenyl	50.0	50.0	100	70-135	

Lab Batch #: 715577 **Sample:** 505090-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.9	100	99	70-135	
o-Terphenyl	52.0	50.0	104	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Blank Spike Recovery

Project Name: Pride Energy

Work Order #: 298237 **Project ID:**

Lab Batch #: 715635 **Sample:** 715635-1-BKS **Matrix:** Solid
Date Analyzed: 02/26/2008 **Date Prepared:** 02/26/2008 **Analyst:** IRO
Reporting Units: mg/kg **Batch #:** 1

Determination of Inorganic Anions per Ion Chro 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	9.64	96	75-125	

Lab Batch #: 715639 **Sample:** 715639-1-BKS **Matrix:** Solid
Date Analyzed: 02/26/2008 **Date Prepared:** 02/26/2008 **Analyst:** IRO
Reporting Units: mg/kg **Batch #:** 1

Determination of Inorganic Anions per Ion Chro 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	9.78	98	75-125	

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

BS / BSD Recoveries

Project Name: Pride Energy

Work Order #: 298237
Analyst: SHE
Lab Batch ID: 715577 **Sample:** 505090-1-BKS
Units: mg/kg

Date Prepared: 02/25/2008 **Batch #:** 1

Project ID:
Date Analyzed: 02/25/2008
Matrix: Solid

TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY											
C6-C12 Gasoline Range Hydrocarbons	ND	1000	923	92	1000	888	89	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	906	91	1000	879	88	3	70-135	35	

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

Form 3 - MS Recoveries

Project Name: Pride Energy

Work Order #: 298237
Lab Batch #: 715635
Project ID:
Date Analyzed: 02/26/2008 **Date Prepared:** 02/26/2008 **Analyst:** IRO
QC- Sample ID: 298154-009 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	5330	2000	7690	118	75-125	

Lab Batch #: 715639
Date Analyzed: 02/26/2008 **Date Prepared:** 02/26/2008 **Analyst:** IRO
QC- Sample ID: 298237-002 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	62.0	102	172	108	75-125	

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

ENVIRONMENTAL LAB OF

Form 3 - M_ / MSD Recoveries

Project Name: Pride Energy

Work Order # : 298237

Project ID:

Lab Batch ID: 715577 **QC- Sample ID:** 298237-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 02/26/2008 **Date Prepared:** 02/25/2008 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1000	905	91	1000	901	90	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	50.1	1000	911	86	1000	916	87	1	70-135	35	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

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

Relative Percent Difference RPD = 200*(D-G)/(D+G)

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

Sample Duplicate Recovery

Project Name: Pride Energy

Work Order #: 298237

Lab Batch #: 715635 **Project ID:**
Date Analyzed: 02/26/2008 **Date Prepared:** 02/26/2008 **Analyst:** IRO
QC- Sample ID: 298154-009 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Determination of Inorganic Anions per Ion Chromatography by Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	5330	5060	5	20	

Lab Batch #: 715639
Date Analyzed: 02/26/2008 **Date Prepared:** 02/26/2008 **Analyst:** IRO
QC- Sample ID: 298237-002 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: mg/kg

Determination of Inorganic Anions per Ion Chromatography by Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	62.0	61.0	2	20	

Lab Batch #: 715608
Date Analyzed: 02/25/2008 **Date Prepared:** 02/25/2008 **Analyst:** RBA
QC- Sample ID: 298208-001 D **Batch #:** 1 **Matrix:** Soil
Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	2.65	2.60	2	20	

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

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

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

Project Name: PRIDE ENERGY
Project #:
Project Loc: STATE OF NEW MEXICO 36 #2
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: E18237

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix	TPH: 418.1 8015M 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	TP1 @ 40'		40'	2-28-08	10:10		1	X								S	X			X									X
02	TP2 @ 35'		35'	2-28-08	9:35		1	X								S	X			X									X
03	TP3 @ 25'		25'	2-22-08	8:45		1	X								S	X			X									X
04	TP4 @ 25'		25'	2-22-08	9:00		1	X								S	X			X									X
05	TP5 @ 30'		30'	2-22-08	10:50		1	X								S	X			X									X

Special Instructions:

Relinquished by	Date	Time	Received by	Date	Time
[signature]	2-23-08	9:27			
			Received by ELOT: Julie Garcia	2-23-08	9:28

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep ? by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 4 °C

4 oz

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Env.

Date/ Time: 7.23.08 9:27

Lab ID #: 298237

Initials: CLC

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	4 °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: Kim Baker Contacted by: Andrea Date/ Time: 7.25.08/12:08

Regarding: #8. CoC states sample: 01C-02 sampled on 7.22.08 containers state 7.22.08 Sample -02 on CoC states TP2@35' container states TP5@35'.

Corrective Action Taken:

Per Kim all samples taken 7.22.08 Sample -02 name is TP2@30' and sample -05 ~~Test~~ should read TP5@35'.

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 298423

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

03-MAR-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-MAR-08

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

Reference: XENCO Report No: **298423**
Pride Energy
Project Address: State of New Mexico 36 # 2

Logan Anderson:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 298423. 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. 298423 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 298423

Elke Environmental, Inc., Odessa, TX

Pride Energy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Feb-25-08 10:45	43.8 - 52.4 ft	298423-001

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:	43.8-324 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		459	5.00					
TPH By SW8015 Mod	*Extracted:*	Feb-29-08 14:09						
	Analyzed:	Mar-01-08 00:28						
	Units/RL:	mg/L	RL					
C6-C12 Gasoline Range Hydrocarbons		ND	1.50					
C12-C28 Diesel Range Hydrocarbons		1.79	1.50					
C28-C35 Oil Range Hydrocarbons		ND	1.50					
Total TPH		1.79						

Brent Barron
Odessa Laboratory Director

XENCO Laboratories

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Pride Energy

Work Order #: 298423 **Project ID:**

Lab Batch #: 716047 **Sample:** 298423-001 / SMP **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	8.29	10.0	83	70-135	
o-Terphenyl	4.37	5.00	87	70-135	

Lab Batch #: 716047 **Sample:** 298542-001 S / MS **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	11.0	10.0	110	70-135	
o-Terphenyl	4.97	5.00	99	70-135	

Lab Batch #: 716047 **Sample:** 505337-1-BKS / BKS **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.5	10.0	105	70-135	
o-Terphenyl	4.68	5.00	94	70-135	

Lab Batch #: 716047 **Sample:** 505337-1-BLK / BLK **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	9.33	10.0	93	70-135	
o-Terphenyl	5.07	5.00	101	70-135	

Lab Batch #: 716047 **Sample:** 505337-1-BSD / BSD **Batch:** 1 **Matrix:** Water

Units: mg/L

TPH By SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	10.4	10.0	104	70-135	
o-Terphenyl	4.58	5.00	92	70-135	

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

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

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

Blank Spike Recovery

Project Name: Pride Energy

Work Order #: 298423 **Project ID:**

Lab Batch #: 716008 **Sample:** 716008-1-BKS **Matrix:** Water

Date Analyzed: 02/29/2008 **Date Prepared:** 02/29/2008 **Analyst:** LATCOR

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

	BLANK /BLANK SPIKE RECOVERY STUDY					
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**
Chloride	ND	10.0	9.31	93	85-115	

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

BS / BSD Recoveries

Project Name: Pride Energy

Work Order #: 298423
Analyst: SHE
Lab Batch ID: 716047 **Sample:** 505337-1-BKS
Units: mg/L

Date Prepared: 02/29/2008 **Batch #:** 1

Project ID:
Date Analyzed: 02/29/2008
Matrix: Water

	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
TPH By SW8015 Mod **Analytes**	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	100	90.0	90	100	88.3	88	2	70-135	25	
C12-C28 Diesel Range Hydrocarbons	ND	100	79.2	79	100	77.8	78	2	70-135	25	

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

Form 3 - MS Recoveries

Project Name: Pride Energy

Work Order #: 298423
Lab Batch #: 716047
Date Analyzed: 03/01/2008
QC- Sample ID: 298542-001 S
Reporting Units: mg/L

Project ID:
Date Prepared: 02/29/2008
Analyst: SHE
Batch #: 1
Matrix: Water

TPH by SW8015 Mod	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	100	87.4	87	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	100	77.2	77	70-135	

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

Work Order #: 298423

Lab Batch #: 716008 **Project ID:**

Date Analyzed: 02/29/2008 **Date Prepared:** 02/29/2008 **Analyst:** LATCOR

QC- Sample ID: 298555-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Anions by EPA 300/300.1	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	ND	ND	NC	20	

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

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

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

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

Project Name: PRIDE ENERGY
Project #:
Project Loc: STATE OF NEW MEXICO 36 #2
PO #:
Report Format: ☑ Standard ☐ TRRP ☐ NPDES

Lab use only
ORDER #: 298423

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix (DW=Drinking Water, GW=Groundwater, S=Soil/Solid, NP=Non-Potable, Specify Other)	TPH: 418.1 (8015M) 8015B	TPH: TX 1005 TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.			RUSH TAT (Pre-schedule) 24, 48, 72 hrs	Standard TAT
01	mw-1	43.8'	52.4'	2-25-08	10:45		1	X								GW				X											X
02	mw-1	43.8'	52.4'	2-25-08	10:45		2	X		X						GW	X														X

Special Instructions:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	2-26-08	10:50	[signature]	2-26-08	10:50
[signature]	2-27-08	10:41A	Received by:		
Relinquished by:			Received by ELOT: Andrea [signature]	2-27-08	10:41

Laboratory Comments:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
Labels on container(s) Y N
Custody seals on container(s) Y N
Custody seals on cooler(s) Y N
Sample Hand Delivered Y N
by Sampler/Client Rep. ? by Courier? UPS DHL FedEx Lone Star
1-250 + 1-ply 2-VOAs
Temperature Upon Receipt: 3.5 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Elke Env.

Date/ Time: 2.27.08 10:41

Lab ID #: 298423

Initials: aL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	3.5 °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

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**

DEC 2007 Received 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 Elke Environmental Solidification Product at a 20(mud) to 1(product) ratio to solidify the mud then placed in the burial pit. After all mud is removed the pit bottoms will be sampled Per NMOCD guidelines. The drilling pit will be backfilled with clean native soil and contoured to the surrounding area. A final report will be submitted after completion of The job.

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

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

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

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

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

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 _____ Grant.
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: _____

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	Tan 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.

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

==========

FOR STATE ENGINEER USE ONLY

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

File Number: _____ Trn Number: _____

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 _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 36 m 44.3 s Longitude: 103 d 12 m 13.5 s

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

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

F. Lot No. _____, Block No. _____ of Unit/Tract 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 TR-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: 30.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

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

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
30.0	10.0	6 1/8	5.0		Bentonite Pellets
10.0	0.0	6 1/8	3.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: White Drilling Company, Inc.

Address: P.O. Box 906, Clyde, TX 79510

Plugging Method: Hand Mix

Date Well Plugged: 2/22/08

Plugging approved by: _____

State Engineer Representative

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

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

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

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	6.0	6.0	Excavated area.
6.0	14.0	8.0	Caliche.
14.0	27.0	13.0	Chert.
27.0	30.0	3.0	Dry gravel.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

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

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

==========

FOR STATE ENGINEER USE ONLY

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

File Number: _____ Trn Number: _____

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 _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 36 m 44.7 s Longitude: 103 d 12 m 12.6 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 TP-2

Drilling began: 02/22/08 ; Completed: 02/22/08 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 30.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

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

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
30.0	10.0	6 1/8	5.0		Bentonite Pellets
10.0	0.0	6 1/8	3.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: White Drilling Company, Inc.

Address: P.O. Box 906, Clyde, TX 79510

Plugging Method: Hand Mix

Date Well Plugged: 2/22/08

Plugging approved by: _____

State Engineer Representative

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

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

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

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	6.0	6.0	Excavated area.
6.0	16.0	10.0	Caliche.
16.0	27.0	11.0	Chert.
27.0	30.0	3.0	Dry gravel.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

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

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: _____

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 _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 36 m 45.3 s Longitude: 103 d 12 m 13.4 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 TP-3

Drilling began: 02/22/08 ; Completed: 02/22/08 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 40.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 TP-3

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
40.0	10.0	6 1/8	8.0		Bentonite Pellets
10.0	0.0	6 1/8	3.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: White Drilling Company, Inc.

Address: P.O. Box 906, Clyde, TX 79510

Plugging Method: Hand Mix

Date Well Plugged: 2/22/08

Plugging approved by: _____

State Engineer Representative

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

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: State of New Mexico 36-#2 TP-3

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	6.0	6.0	Excavated area.
6.0	19.0	13.0	Caliche.
19.0	27.0	8.0	Chert.
27.0	34.0	7.0	Dry gravel.
34.0	40.0	6.0	Tan sand.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: State of New Mexico 36-#2 TP-3

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.

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

==========

FOR STATE ENGINEER USE ONLY

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

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 _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 36 m 45.1 s Longitude: 103 d 12 m 13.0 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 TP-4

Drilling began: 02/22/08 ; Completed: 02/22/08 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 30.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 TP-4

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
30.0	10.0	6 1/8	5.0		Bentonite Pellets
10.0	0.0	6 1/8	3.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: White Drilling Company, Inc.

Address: P.O. Box 906, Clyde, TX 79510

Plugging Method: Hand Mix

Date Well Plugged: 2/22/08

Plugging approved by: _____
State Engineer Representative

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

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: State of New Mexico 36-#2 TP-4

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	6.0	6.0	Excavated area.
6.0	24.0	18.0	Caliche.
24.0	29.0	5.0	Chert.
29.0	30.0	1.0	Dry gravel.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: State of New Mexico 36-#2 TP-4

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: _____

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 _____ Grant.
U.S.G.S. Quad Map _____

C. Latitude: 32 d 36 m 45.1 s Longitude: 103 d 12 m 13.0 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 TP-5

Drilling began: 02/22/08 ; Completed: 02/22/08 ; Type tools: Air Rotary ;
Size of hole: 6 1/8 in.; Total depth of well: 40.0 ft.;
Completed well is: shallow (shallow, artesian);
Depth to water upon completion of well: Dry ft.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

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

Depth in Feet From	To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)

6. RECORD OF CASING

Diameter (inches)	Pounds per ft.	Threads per in.	Depth in Feet Top	Bottom	Length (feet)	Type of Shoe	Perforations From	To

7. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	To	Hole Diameter	Sacks of mud	Cubic Feet of Cement	Method of Placement
40.0	10.0	6 1/8	8.0		Bentonite Pellets
10.0	0.0	6 1/8	3.0	1.997	Cement

8. PLUGGING RECORD

Plugging Contractor: White Drilling Company, Inc.

Address: P.O. Box 906, Clyde, TX 79510

Plugging Method: Hand Mix

Date Well Plugged: 2/22/08

Plugging approved by: _____

State Engineer Representative

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

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

9. LOG OF HOLE: State of New Mexico 36-#2 TP-5

Depth in feet From	To	Thickness in feet	Color and Type of Material Encountered
0.0	6.0	6.0	Excavated area.
6.0	23.0	17.0	Caliche.
23.0	26.0	3.0	Chert.
26.0	32.5	6.5	Dry gravel.
32.5	40.0	7.5	Tan sand.

File Number: _____

NEW MEXICO OFFICE OF THE STATE ENGINEER
WELL RECORD

10. ADDITIONAL STATEMENTS OR EXPLANATIONS: State of New Mexico 36-#2 TP-5

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.

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

==========

FOR STATE ENGINEER USE ONLY

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

File Number: _____ Trn Number: _____

ATTACHMENT B

SECOND GROUNDWATER SAMPLING RESULTS (TRIDENT ENVIRONMENTAL)

Pride Energy Co. - State 36 #2
T19S - R37E - Section 36 - Unit Letter O
View facing southeast showing monitoring well MW-1 (foreground) and former drilling pit (background).

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

32'-52' bgs Well Screen Interval (adjusted from driller's well record)
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.

Analytical Report 300607

for

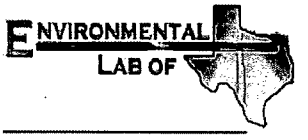
R.T. Hicks Consultants, LTD

Project Manager: Randy Hicks

Pride Energy Company

State 36 # 2

03-APR-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

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

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

Work 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

All 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.

XENCO Laboratories

BS / BSD Recoveries

Project Name: Pride Energy Company

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

Date Prepared: 04/01/2008

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 - MS 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

XENCO Laboratories

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	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	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	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	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	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	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	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Analyte	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 #: Slate 36 #2

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

COC #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No of Containers	Preservative: Ice	HNO$_3$	HCl BTEX only	NaOH	H$_2$SO$_4$	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify)	Analyze For: 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	SPLP 1312	Nitrate (N-NO$_3$)	Total Fe and Mn	RUSH TAT (Pre-Schedule)	Standard TAT
300607																															
01	MW-1	3-27-08	1050	[illegible]	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	2:30p			

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 # : 306607

Initials: JRE

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? (labels)	(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

ATTACHMENT C

FORM C-141

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

☒ Initial 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 33° 36' 45.2" **Longitude** 103° 12' 14.0"

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 April 16, 2008
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?	Date and Hour April 16, 2008 (8:35 AM)	
Was a Watercourse Reached? ☐ Yes ☐ No	If YES, Volume Impacting the Watercourse. Unknown	

If a Watercourse was Impacted, Describe Fully.

Drilling mud solidified onsite by Elke Environmental in accordance with NMOCD-approved C-144 (12-10-07). After mud was removed Elke Environmental conducted soil sampling with a trackhoe and air rotary drilling rig. The soils did not meet NMOCD-recommended guidelines and a monitoring well was installed at the northwest corner of the drilling pit. Groundwater water samples were collected and analyses indicated chloride and TDS concentrations exceeded WQCC standards.

Describe Cause of Problem and Remedial Action Taken.

Suspected downward migration of drilling fluids to water table. Pride Energy has retained an environmental consultant to develop a site investigation work plan and monitoring program to enable characterization of the site and a design for an effective abatement option, if necessary. An additional monitoring well located at the southeast corner of the drilling pit will be necessary to confirm if groundwater impact is a result of the drilling pit as a source. The possibility remains that there is an upgradient offsite source due to regional impacts in the Monument area.

Describe Area Affected and Cleanup Action Taken.*

A plat map and field and laboratory analytical results are attached.

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	OIL CONSERVATION DIVISION
Printed Name: By: Pride Production Co., Inc. Title: General Partner	Approved by District Supervisor:
Title: By: Matthew L. Pride Title: President	Approval Date: / Expiration Date:
E-mail Address: mattp@pride-energy.com	Conditions of Approval: / Attached ☐
Date: April 16, 2008 Phone: (432) 638-8740	

* Attach Additional Sheets If Necessary