

AP - 076

AGWMR

01/21/2011

AP-076

Certified Mail Return Receipt No. 7009 2250 0001 4928 0063

RECEIVED OCD

2011 JAN 24 P 12:37

January 21, 2011



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: 2010 Annual Groundwater Monitoring Report
South Four Lakes #13 Site (AP-76)
T12S-R34E-Section 1, Unit Letter L, Lea County, New Mexico

Dear Mr. von Gonten:

As agent for Pride Energy Company (Pride), Trident Environmental submits this *2010 Annual Groundwater Monitoring Report* for the above-referenced site.

Groundwater Monitoring Results

Groundwater monitoring activities have been performed at the site on a quarterly basis since January 2008 as summarized in the following tables. A site plan showing the most recent groundwater elevation and the chloride/TDS concentrations in monitoring wells MW-1 and MW-2 is shown in Figure 1. Figure 2 is a graph depicting chloride and TDS concentrations and groundwater elevation versus time at monitoring wells MW-1 and MW-2.

Summary of Groundwater Monitoring Results (MW-1)

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	BTEX (mg/L)
MW-1	01/23/08	27.5	4116.22	1,330	NA	<0.003
	03/13/08	27.63	4116.09	665	1,461	<0.003
	06/19/08	27.88	4115.84	736	1,560	<0.003
	09/09/08	28.05	4115.67	760	1,790	<0.003
	12/08/08	28.11	4115.61	710	1,720	<0.003
	03/18/09	28.28	4115.44	750	1,770	<0.003
	06/17/09	28.46	4115.26	760	1830	<0.003
	09/21/09	28.49	4115.23	1040	2220	<0.003
	12/11/09	28.55	4115.17	820	1930	<0.003
	03/24/10	28.65	4115.07	780	1820	---
	06/15/10	28.75	4114.97	940	2150	---
	09/13/10	28.82	4114.90	1080	2280	---
	12/13/10	28.88	4114.84	813	2170	---
MW-2	Continued on next page					

South Four Lakes #13 Site (AP-76)
2010 Annual Groundwater Monitoring Report

Summary of Groundwater Monitoring Results (MW-2)

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	BTEX (mg/L)
MW-2	06/19/08	27.54	4115.71	320	976	<0.003
	09/09/08	27.71	4115.54	172	848	<0.003
	12/08/08	27.80	4115.45	164	732	<0.003
	03/18/09	27.95	4115.30	168	720	<0.003
	06/17/09	28.19	4115.06	188	769	<0.003
	09/21/09	28.15	4115.10	240	747	<0.003
	12/11/09	28.21	4115.04	220	866	<0.003
	03/24/10	28.30	4114.95	232	842	---
	06/15/10	28.41	4114.84	220	870	---
	09/13/10	28.50	4114.75	260	935	---
	12/13/10	28.54	4114.71	173	876	---

Total Dissolved Solids (TDS), chloride, and BTEX concentrations listed in milligrams per liter (mg/L).

Values in boldface type indicate concentrations exceed WQCC standards.

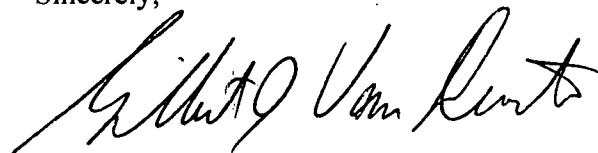
BTOC - Below Top of Casing; AMSL - Above Mean Sea Level

NA Indicates parameter was not analyzed for this constituent.

The constituents of concern in groundwater are chloride and TDS as they remain above the New Mexico's Water Quality Control Commission (WQCC) standards, of 250 mg/L and 1,000 mg/L, respectively; however, horizontal dispersion of the chloride and TDS in groundwater does not extend beyond approximately 75 to 100 feet downgradient (southeast) of the southeast corner of the pit as evidenced by the results of monitoring well MW-2 where background chloride and TDS levels are observed in groundwater. Benzene, toluene, ethylbenzene, and xylenes (BTEX) are not a constituent of concern as concentrations remained below laboratory detection limits and WQCC standards for two years; therefore, analysis for these constituents has been suspended. Quarterly ground water sampling and monitoring will continue.

We look forward to working with you on this project. If you have any questions please call me at 432-638-8740 or Matt Pride at 918-524-9200.

Sincerely,



Gilbert Van Deventer, REM, PG
Trident Environmental

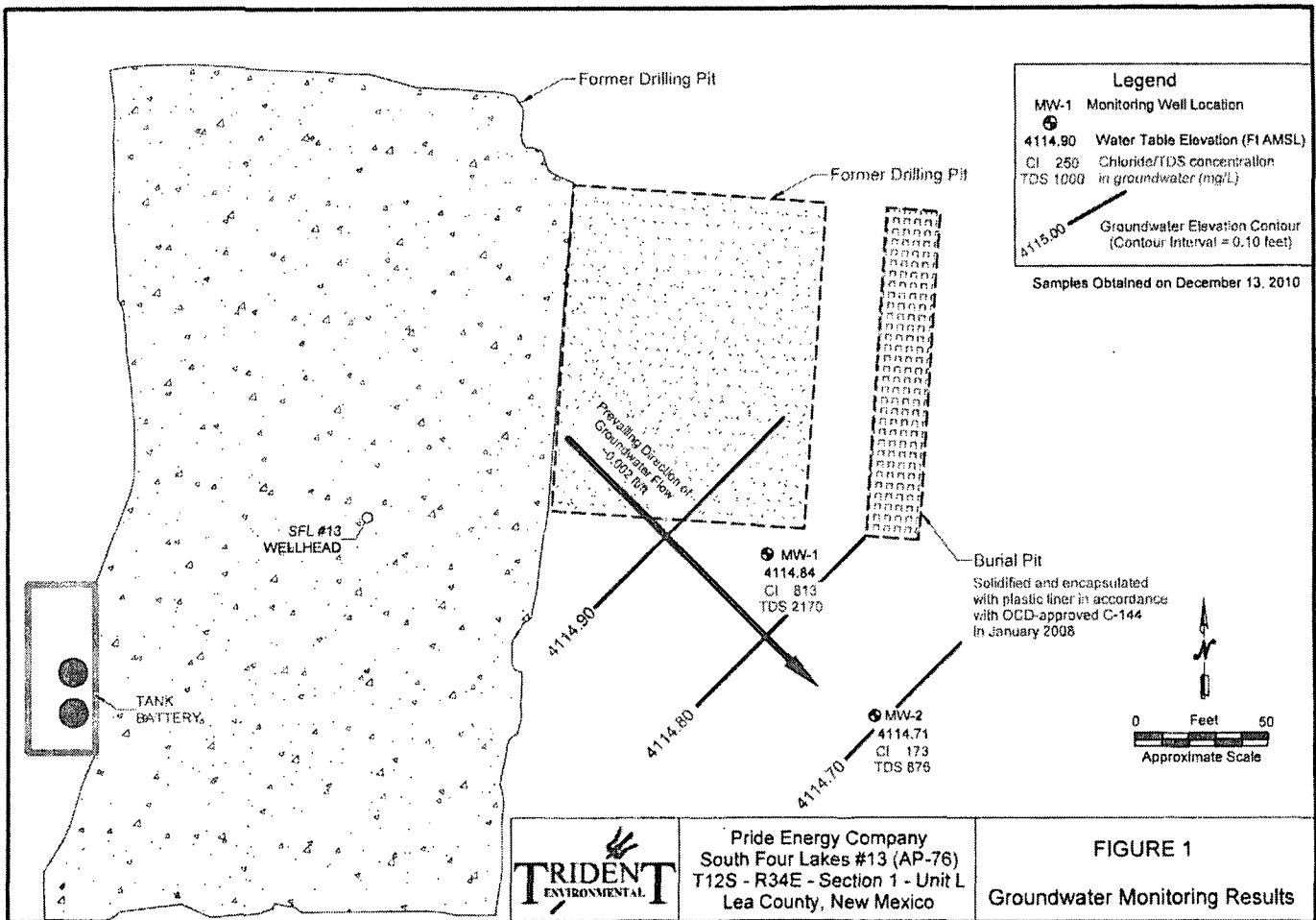
cc: Matt Pride (Pride Energy Co., Tulsa, OK)
Larry Hill (NMOCD -District 1, Hobbs, NM)

Attachments: Figures, well sampling data form, and laboratory analytical reports

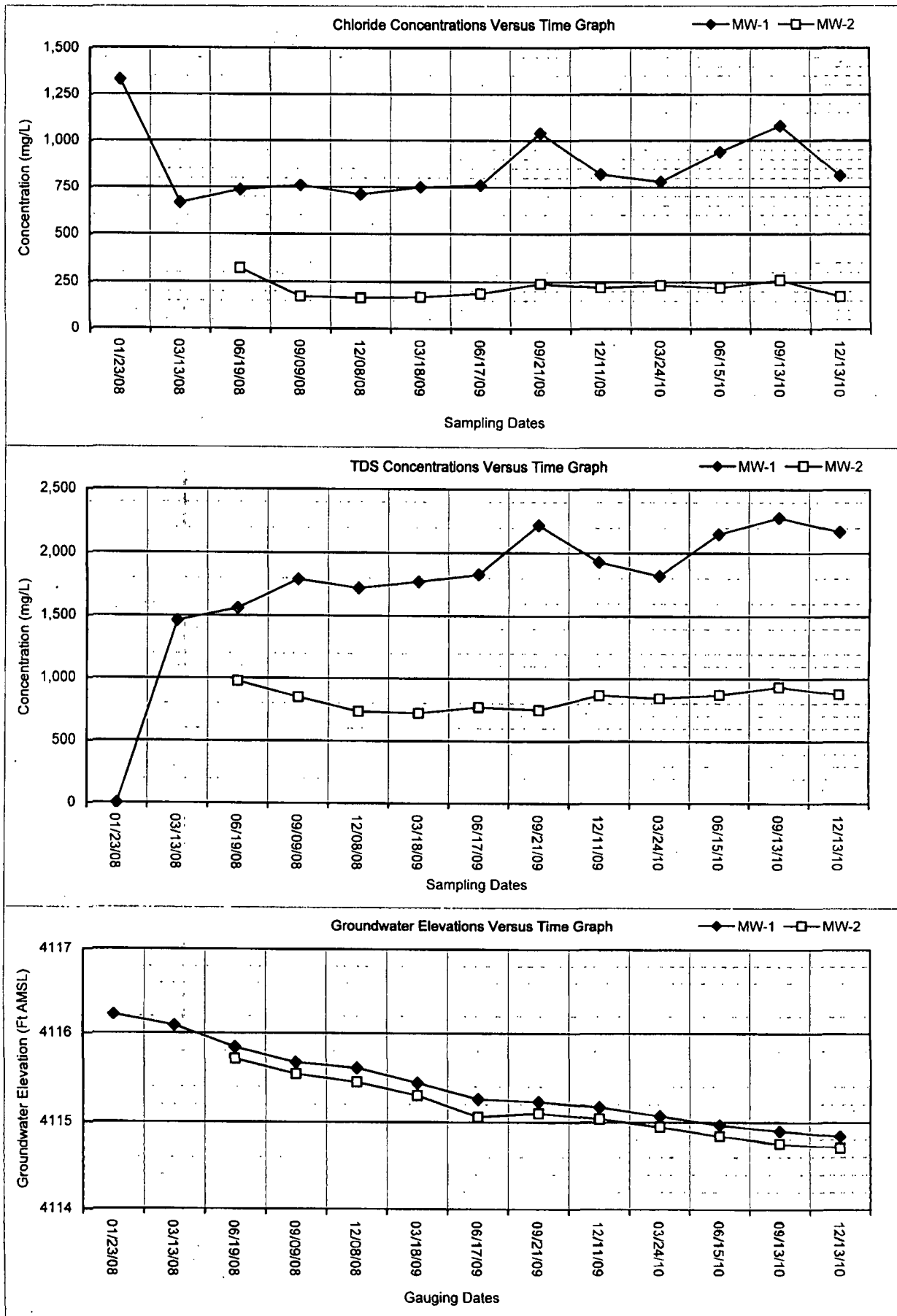
FIGURE 1

GRAPHS

WELL SAMPLING DATA FORM



South Four Lakes #13 Site (AP-76)
2010 Annual Groundwater Monitoring Report



WELL SAMPLING DATA FORM

CLIENT: Pride Energy Company
 SITE NAME: South Four Lakes #13
 SITE LOCATION: T12S-R34E-Sec1 Unit Letter L ~ Lea County, NM
 SAMPLER: Rozanne Johnson (1st, 2nd, & 3rd Qtrs) and Gil Van Deventer (4th Qtr)



PURGING METHOD: ☐ Hand Bailed ☒ Pump, Type: _____
 SAMPLING METHOD: ☒ Disposable Bailer ☐ Direct from Discharge Hose ☐ Other: _____
 DISPOSAL METHOD OF PURGE WATER: ☐ On-site Drum ☐ Drums ☒ WWD Disposal Facility

Quarter	Date	Time	Monitoring Well No.	Depth to Water (ft btoc)	Total Depth (ft)	Water Column Height (ft)	Well Factor 2"=.16 4"=.65	Calc. Well Vol. (gal)	Volume Purged (gal)	No. of Well Volumes Purged	Temp. °C	Cond. mS/cm	pH	PHYSICAL APPEARANCE AND REMARKS
First	03/24/10	13:45	MW-1	28.65	43.26	14.61	0.16	2.3	8	3.4	18.5	3.26	7.45	Silt and sand, then cleared during purge
	03/24/10	13:00	MW-2	28.30	42.10	13.80	0.16	2.2	8	3.6	18.5	1.32	7.34	Silt and sand, then cleared during purge
Second	06/15/10	8:25	MW-1	28.75	43.26	14.51	0.16	2.3	8	3.4	18.7	3.67	7.31	Silt and sand, then cleared during purge
	06/15/10	7:35	MW-2	28.41	42.10	13.69	0.16	2.2	8	3.7	18.6	1.29	7.34	Silt and sand, then cleared during purge
Third	09/13/10	13:10	MW-1	28.82	43.26	14.44	0.16	2.3	8	3.5	22.3	3.95	6.78	Silt and sand, then cleared during purge
	09/13/10	12:15	MW-2	28.50	42.10	13.60	0.16	2.2	8	3.7	21.4	1.38	7.35	Silt and sand, then cleared during purge
Fourth	12/13/10	13:47	MW-1	28.88	43.26	14.38	0.16	2.3	25	10.9	16.8	3.24	7.75	Silt and sand, then cleared during purge
	12/13/10	16:00	MW-2	28.54	42.10	13.56	0.16	2.2	22	10.1	17.2	0.64	7.85	Silt and sand, then cleared during purge

COMMENTS: Equipment decontamination consists of gloves, Alconox, and Distilled Water Rinse.

Myron Model 6P (1st, 2nd, & 3rd Qtrs) and Hanna Model 98130 instrument (4th Qtr) used to obtain pH, conductivity, and temperature measurements.

Delivered samples to Cardinal Laboratories in Hobbs NM (1st, 2nd, & 3rd Qtrs) and Xenco Laboratories in Odessa TX (4th Qtr) for chloride and TDS analysis.

LABORATORY ANALYTICAL REPORTS

Analytical Report 400566

for

Trident Environmental

Project Manager: Gil Van Deventer

Pride Energy Company

South Four Lakes # 13 (AP-76)

20-DEC-10



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-10-6-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL01273):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

Xenco Phoenix (EPA Lab Code: AZ00901):

Arizona(AZ0757), California(06244CA), Texas(104704435-10-2), Nevada(NAC-445A), DoD(65816)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)

Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)



20-DEC-10

Project Manager: **Gil Van Deventer**
Trident Environmental
P.O. Box 7624
Midland, TX 79708

Reference: XENCO Report No: **400566**
Pride Energy Company
Project Address: T12S-R34E-Sec 1 Unit Letter L - Lea County, NM

Gil Van Deventer:

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 400566. 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. 400566 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

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Sample Cross Reference 400566



Trident Environmental, Midland, TX

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Dec-13-10 13:47		400566-001
MW-2	W	Dec-13-10 14:07		400566-002



CASE NARRATIVE

Client Name: Trident Environmental

Project Name: Pride Energy Company



Project ID: South Four Lakes # 13 (A1)
Work Order Number: 400566

Report Date: 20-DEC-10
Date Received: 12/14/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-835912 Anions by E300
E300MI

Batch 835912, Chloride recovered above QC limits in the Matrix Spike.

Samples affected are: 400566-001, -002.

The Laboratory Control Sample for Chloride is within laboratory Control Limits

Batch: LBA-835988 TDS by SM2540C



Certificate of Analysis Summary 400566
Trident Environmental, Midland, TX
Project Name: Pride Energy Company



Project Id: South Four Lakes # 13 (AP-76)

Contact: Gil Van Deventer

Project Location: T12S-R34E-Sec 1 Unit Letter L - Lea Cou

Date Received in Lab: Tue Dec-14-10 12:30 pm

Report Date: 20-DEC-10

Project Manager: Brent Barron, II

Analysis Requested	Lab Id:	400566-001	400566-002				
	Field Id:	MW-1	MW-2				
	Depth:						
	Matrix:	WATER	WATER				
	Sampled:	Dec-13-10 13:47	Dec-13-10 14:07				
Anions by E300	Extracted:						
	Analyzed:	Dec-14-10 15:10	Dec-14-10 15:10				
	Units/RL:	mg/L RL	mg/L RL				
Chloride		813 25.0	173 5.00				
TDS by SM2540C	Extracted:						
	Analyzed:	Dec-14-10 16:00	Dec-14-10 16:00				
	Units/RL:	mg/L RL	mg/L RL				
Total dissolved solids		2170 5.00	876 5.00				

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
Odessa Laboratory Manager



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 and above the SQL.
- 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.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- * Outside XENCO's scope of NELAC Accreditation.

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	Phone	Fax
4143 Greenbriar Dr, Stafford, Tx 77477	(281) 240-4200	(281) 240-4280
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, San Antonio TX 78238	(210) 509-3334	(210) 509-3335
2505 North Falkenburg Rd, Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555
12600 West I-20 East, Odessa, TX 79765	(432) 563-1800	(432) 563-1713
842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116

**BS / BSL Recoveries****Project Name: Pride Energy Company****Work Order #: 400566****Analyst: LATCOR****Date Prepared: 12/14/2010****Project ID: South Four Lakes # 13 (AP-76)****Date Analyzed: 12/14/2010****Lab Batch ID: 835912****Sample: 835912-1-BKS****Batch #: 1****Matrix: Water****Units: mg/L****BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY**

Anions by E300	Blank	Spike	Blank	Blank	Spike	Blank	Blk. Spk	RPD	Control	Control	Flag
	Sample Result [A]	Added [B]	Spike Result [C]	Spike %R [D]	Added [E]	Spike Duplicate Result [F]	Dup. %R [G]	%	Limits %R	Limits %RPD	
Chloride	ND	10.0	9.33	93	10	9.44	94	1	80-120	20	

Analyst: WRU**Date Prepared: 12/14/2010****Date Analyzed: 12/14/2010****Lab Batch ID: 835988****Sample: 835988-1-BKS****Batch #: 1****Matrix: Water****Units: mg/L****BLANK / BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY**

TDS by SM2540C	Blank	Spike	Blank	Blank	Spike	Blank	Blk. Spk	RPD	Control	Control	Flag
	Sample Result [A]	Added [B]	Spike Result [C]	Spike %R [D]	Added [E]	Spike Duplicate Result [F]	Dup. %R [G]	%	Limits %R	Limits %RPD	
Total dissolved solids	<	1000	940	94	1000	954	95	1	80-120	30	

Relative Percent Difference RPD = $200 * |(C-F)/(C+F)|$ Blank Spike Recovery [D] = $100 * (C)/[B]$ Blank Spike Duplicate Recovery [G] = $100 * (F)/[E]$

All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries

Project Name: Pride Energy Company



Work Order #: 400566

Lab Batch #: 835912

Date Analyzed: 12/14/2010

Date Prepared: 12/14/2010

Project ID: South Four Lakes # 13 (AP-76)

Analyst: LATCOR

QC- Sample ID: 400475-001 S

Batch #: 1

Matrix: Water

Reporting Units: mg/L

MATRIX / MATRIX SPIKE RECOVERY STUDY

Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	129	100	262	133	80-120	X

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

Below Reporting Limit



Sample Duplicate Recovery



Project Name: Pride Energy Company

Work Order #: 400566

Lab Batch #: 835912

Project ID: South Four Lakes # 13 (AP-76)

Date Analyzed: 12/14/2010 15:10

Date Prepared: 12/14/2010

Analyst: LATCOR

QC- Sample ID: 400475-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Chloride	129	130	1	20	

Lab Batch #: 835988

Date Analyzed: 12/14/2010 16:00

Date Prepared: 12/14/2010

Analyst: WRU

QC- Sample ID: 400564-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY					
TDS by SM2540C	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Analyte					
Total dissolved solids	10600	11100	5	30	

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$

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

BRL - Below Reporting Limit

12600 West I-20 East - Odessa TX 79758 Tel: (432) 563-1800 Fax: (432) 563-1713 <h2 style="text-align: center; margin: 0;">Xenco Laboratories</h2>										CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																	
Company Name: Trident Environmental Project Manager: Gil Van Deventer / Trident Environmental Address: (Street, City, Zip) PO Box 12177, Odessa TX 79768 Phone #: (432) 638-8740 Project #: South Four Lakes #13 (AP-76)					BILL TO Company: Pride Energy Company / Matt Pride Address: (Street, City, Zip) PO Box 710950, Tulsa, OK 74170-1950 Phone#: (918) 524-9200 Fax#: (918) 524-9292 Project Name: Pride Energy Company Project Location: T12S-R34E-Sec1 Unit Letter L ~ Lea County, NM Sampler Signature: <i>[Signature]</i>					LAB Order ID # _____ ANALYSIS REQUEST (Circle or Specify Method No.)																	
LAB # (LAB USE ONLY) 4005406		FIELD CODE MW-1		(G)rab or (C)omp G		# CONTAINERS 1		MATRIX WATER SOIL AIR SLUDGE				PRESERVATIVE METHOD HCL (BTEX only) HNO ₃ NaHSO ₄ H ₂ SO ₄ ICE NONE				SAMPLING DATE TIME		MTBE 8021B/802 BTEX 8021 B TPH 418.1/TX1005 / TX1005 Extended (C35) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg 80108/200.7 TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides RCI GC/MS Vol. 8260B/624 GC/MS Semi. Vol. 8270C/625 Moisture Content Cations (Ca, Mg, Na, K) Anions (Cl, SO ₄ , CO ₃ , HCO ₃) Total Dissolved Solids (160.1 or SM2540C) Chloride / Cl ⁻ (SM4500 B or 300.1)									
-01		MW-1		G		1		X				X				12/13/10 1347		Turn Around Time - 24 Hours									
-02		MW-2		G		1		X				X				12/13/10 1407											
Relinquished by: <i>[Signature]</i> Date: 12/14/10 Time: 12:30		Received by: <i>[Signature]</i> Date: 12/14/10 Time: 12:30		Relinquished by: _____ Date: _____ Time: _____		Received by: (Laboratory Staff) <i>[Signature]</i> Date: 12/14/10 Time: 12:30		Delivered By: (Circle One) _____		Sample Condition: Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: <i>[Signature]</i> (Initials) NE		Phone Results: Yes <input type="checkbox"/> No <input type="checkbox"/>		Fax Results: Yes <input type="checkbox"/> No <input type="checkbox"/> Additional Fax Number: _____		REMARKS: 500ml poly Email Results to: gil@trident-environmental.com matt@pride-energy.com									

**XENCO Laboratories**

Atlanta, Boca Raton, Corpus Christi, Dallas

Houston, Miami, Odessa, Philadelphia

Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist

Document No.: SYS-SRC

Revision/Date: No. 01, 5/27/2010

Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Trident Env.
Date/Time: 12.14.10 17:30
Lab ID #: 400566
Initials: AE

Sample Receipt Checklist

1. Samples on ice?	Blue	<u>Water</u>	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container <u>(cooler)</u> and bottles?	<u>Yes</u>	No	N/A	
4. Chain of Custody present?	<u>Yes</u>	No		
5. Sample instructions complete on chain of custody?	<u>Yes</u>	No		
6. Any missing / extra samples?	Yes	<u>No</u>		
7. Chain of custody signed when relinquished / received?	<u>Yes</u>	No		
8. Chain of custody agrees with sample label(s)?	<u>Yes</u>	No		
9. Container labels legible and intact?	<u>Yes</u>	No		
10. Sample matrix / properties agree with chain of custody?	<u>Yes</u>	No		
11. Samples in proper container / bottle?	<u>Yes</u>	No		
12. Samples properly preserved?	<u>Yes</u>	No	N/A	
13. Sample container intact?	<u>Yes</u>	No		
14. Sufficient sample amount for indicated test(s)?	<u>Yes</u>	No		
15. All samples received within sufficient hold time?	<u>Yes</u>	No		
16. Subcontract of sample(s)?	Yes	No	<u>N/A</u>	
17. VOC sample have zero head space?	Yes	No	<u>N/A</u>	
18. Cooler 1 No.	Cooler 2 No.	Cooler 3 No.	Cooler 4 No.	Cooler 5 No.
lbs <u>2.6</u> °C	lbs °C	lbs °C	lbs °C	lbs °C

Nonconformance Documentation

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

Regarding: _____

Corrective Action Taken: _____

- Check all that apply: ☐ Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.6.8.3.1.a.1.
☐ Initial and Backup Temperature confirm out of temperature conditions
☐ Client understands and would like to proceed with analysis



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

September 21, 2010

GIL VAN DEVENTER

TRIDENT ENVIRONMENTAL

P. O. BOX 7624

MIDLAND, TX 79708

RE: SOUTH FOUR LAKES #13

Enclosed are the results of analyses for samples received by the laboratory on 09/17/10 10:36.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

TRIDENT ENVIRONMENTAL
GIL VAN DEVENTER
P. O. BOX 7624
MIDLAND TX, 79708
Fax To: (413) 403-9968

Received: 09/17/2010
Reported: 09/21/2010
Project Name: SOUTH FOUR LAKES #13
Project Number: NONE GIVEN
Project Location: T12S-R34E-SEC1 U LTR L ~ LEA CTY - N

Sampling Date: 09/13/2010
Sampling Type: Water
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: MW - 1 (H020876-01)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1080	4.00	09/20/2010	ND	112	112	100	3.64		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	2280	5.00	09/20/2010	ND				0.978		

Sample ID: MW - 2 (H020876-02)

Chloride, SM4500Cl-B		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	260	4.00	09/20/2010	ND	112	112	100	3.64		
TDS 160.1		mg/L		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
TDS	935	5.00	09/17/2010	ND				0.978		

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

101, East Merland Hobbs, New
Mexico 88240
Tel: (575) 393-2326
Fax: (575) 393-2478

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

Company Name: Trident Environmental	BILL TO Company: Pride Energy Company / Matt Pride
Project Manager: Gil Van Deventer / Trident Environmental	Address: (Street City, Zip) P.O. Box 710950 - Tulsa, OK 74170-1950
Address: (Street City, Zip) P.O. Box 7624 - Midland, Texas 79708-7624	Phone: (918) 524-9200
Phone #: (432) 638-8740	Fax: (918) 524-8292
	Fax #: (413) 403-9968

Project #: South Four Lakes #13 Project Name: Pride Energy Company
Project Location: T12S-R34E-Sec1 Unit Letter L - Lea County - New Mexico Sample Sign-off: Rozanne Johnson (575) 831-8310
rozanne@valdmet.com

ANALYSIS REQUEST

(Circle or Specify Method No.)

[illegible]

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ARDINAL LABORATORIES

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

June 24, 2010

Gil Van Deventer
Trident Environmental
P.O. Box 7624
Midland, TX 79708-7624

Re: South Four Lakes #13

Enclosed are the results of analyses for sample number H20152, received by the laboratory on 06/18/10 at 10:02 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,

Celey D. Keene
Laboratory Director



ARDINAL LABORATORIES

PHONE (575) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

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

Receiving Date: 06/18/10

Reporting Date: 06/22/10

Project Number: SOUTH FOUR LAKES #13

Project Name: PRIDE ENERGY COMPANY

Project Location: T12S-R34E-SEC1 UNIT LETTER L

LEA COUNTY, NEW MEXICO

Sampling Date: 06/15/10

Sample Type: WATER

Sample Condition: COOL & INTACT @ 15°C

Sample Received By: HM

Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/L)	TDS (mg/L)
Analysis Date		06/22/10	06/21/10
H20152-1	MW-1	940	2,150
H20152-2	MW-2	220	870
Quality Control		500	NR
True Value QC		500	NR
% Recovery		100	NR
Relative Percent Difference		< 0.1	2.9

METHOD: Standard Methods, EPA

4500-Cl⁻B

160.1

Not accredited for Chloride and TDS


Chemist


Date

H20152 Trident

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ARDINAL LABORATORIES

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

April 1, 2010

Gil Van Deventer
Trident Environmental
P.O. Box 7624
Midland, TX 79708-7624

Re: South Four Lakes #13

Enclosed are the results of analyses for sample number H19556, received by the laboratory on 03/29/10 at 10:20 am.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.2	Regulated VOCs (V2, V3)

Accreditation applies to public drinking water matrices.

Total Number of Pages of Report: 3 (includes Chain of Custody)

Sincerely,


Celey D. Keene
Laboratory Director

This report conforms with NELAP requirements.



CARDINAL LABORATORIES

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

ANALYTICAL RESULTS FOR
TRIDENT ENVIRONMENTAL
ATTN: GIL VAN DEVENTER
P.O. BOX 7624
MIDLAND, TX 79708-7624
FAX TO: (413) 403-9988

Receiving Date: 03/29/10

Reporting Date: 03/30/10

Project Number: SOUTH FOUR LAKES #13

Project Name: PRIDE ENERGY COMPANY

Project Location: T12S-R34E-SEC1 UNIT LETTER L

LEA COUNTY, NEW MEXICO

Sampling Date: 03/24/10

Sample Type: WATER

Sample Condition: COOL & INTACT @ -1.0°C

Sample Received By: JH

Analyzed By: HM/SJ


LAB NO.	SAMPLE ID	Cl ⁻ (mg/L)	TDS (mg/L)
Analysis Date		03/29/10	03/29/10
H19556-1	MW-1	780	1,820
H19556-2	MW-2	232	842
Quality Control		500	NR
True Value QC		500	NR
% Recovery		100	NR
Relative Percent Difference		≤ 0.1	6.2

METHOD: Standard Methods, EPA

4500-ClB

160.1

Not accredited for Chloride and TDS


Chemist


Date

H19556 Trident

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

