

1R - 501

AGWMR

01/21/2011



Certified Mail Return Receipt No. 7009 2250 0001 4928 0063

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
State 36 #2 Site (API# 30-025-36909)
T19S-R37E-Section 36, Unit Letter O, Lea County, New Mexico**

Dear Mr. von Gonten:

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

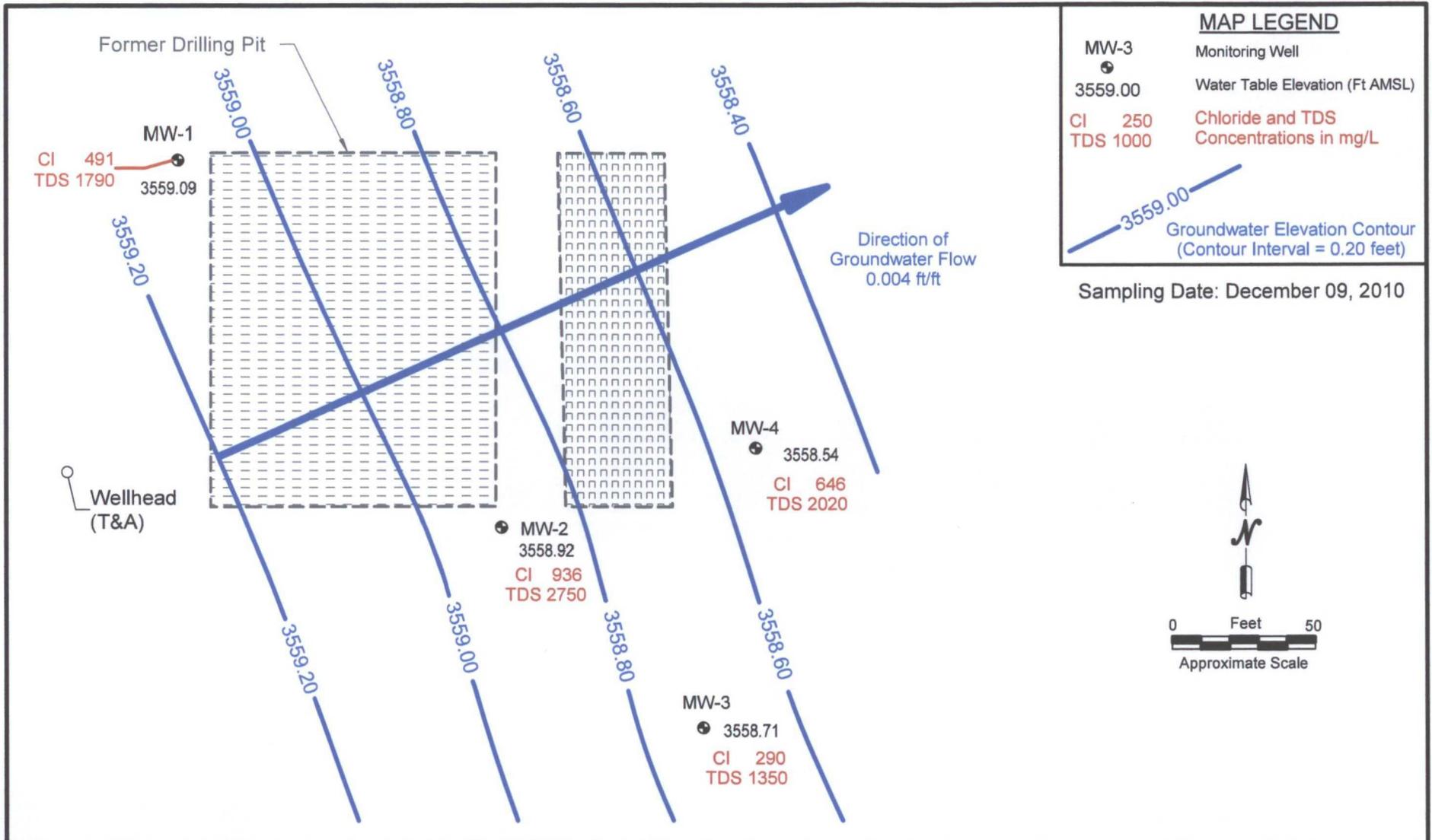
Groundwater Monitoring Results

Groundwater monitoring activities have been performed at the site on a quarterly basis since January 2008 as summarized in Table 1. A site plan showing the most recent groundwater elevation and the chloride/TDS concentrations in the four on site monitoring wells (MW-1, MW-2, MW-3, and MW-4) is shown in Figure 1. Figure 2 depicts graphs of chloride and TDS concentrations and groundwater elevation versus time for each monitoring well. A well sampling data form, laboratory analytical reports, and chains of custody documentation for each 2010 sampling event are included in Attachment A.

State 36 #2 Site (API-025-30-36909)
2010 Annual Groundwater Monitoring Report

Table 1: Summary of Groundwater Monitoring Results

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	BTEX (mg/L)
MW-1	02/25/08	43.80	3559.41	489	---	---
	03/27/08	43.88	3559.33	557	1,770	< 0.003
	06/17/08	43.89	3559.32	594	1,370	---
	09/10/08	43.97	3559.24	440	1,260	<0.003
	12/17/08	43.96	3559.25	440	1,290	<0.003
	03/19/09	44.02	3559.19	430	1,240	<0.003
	06/18/09	44.02	3559.19	428	1,330	<0.003
	09/17/09	44.08	3559.13	456	1,530	<0.003
	12/10/09	44.13	3559.08	450	1,360	<0.003
	03/31/10	44.14	3559.07	468	1,330	---
	06/16/10	44.20	3559.01	447	1,420	---
	09/22/10	44.09	3559.12	1,470	3,940	---
12/13/10	44.12	3559.09	491	1,790	---	
MW-2	05/08/08	43.25	3559.22	1,450	2,730	< 0.003
	06/17/08	43.31	3559.16	1,980	2,730	---
	09/10/08	43.37	3559.10	1,580	3,440	<0.003
	12/17/08	43.38	3559.09	1,300	2,900	<0.003
	03/19/09	43.41	3559.06	1,080	2,380	<0.003
	06/18/09	43.42	3559.05	920	2,300	<0.003
	09/17/09	43.47	3559.00	810	1,980	<0.003
	12/10/09	43.53	3558.94	860	1,870	<0.003
	03/31/10	43.55	3558.92	691	1,520	---
	06/16/10	43.66	3558.81	723	2,020	---
	09/22/10	43.54	3558.93	923	3,080	---
	12/13/10	43.55	3558.92	936	2,750	---
MW-3	06/17/08	43.83	3558.98	733	1,810	---
	09/10/08	43.85	3558.96	580	1,660	<0.003
	12/17/08	43.91	3558.90	570	1,580	<0.003
	03/19/09	43.91	3558.90	560	1,620	<0.003
	06/18/09	43.97	3558.84	520	1,530	<0.003
	09/17/09	44.03	3558.78	500	1,410	<0.003
	12/10/09	44.07	3558.74	500	1,360	<0.003
	03/31/10	44.07	3558.74	489	1,230	---
	06/16/10	44.14	3558.67	489	1,440	---
	09/22/10	44.07	3558.74	420	1,520	---
12/13/10	44.10	3558.71	290	1,350	---	
MW-4	06/17/08	43.54	3558.81	1,070	2,150	---
	09/10/08	43.61	3558.74	820	2,070	<0.003
	12/17/08	43.63	3558.72	830	1,970	<0.003
	03/19/09	43.67	3558.68	810	1,970	<0.003
	06/18/09	43.68	3558.67	740	1,860	<0.003
	09/17/09	43.78	3558.57	740	1,690	<0.003
	12/10/09	43.81	3558.54	660	1,570	<0.003
	03/31/10	43.83	3558.52	691	1,560	---
	06/16/10	43.88	3558.47	606	1,580	---
	09/22/10	43.78	3558.57	669	1,940	---
12/13/10	43.81	3558.54	646	2,020	---	



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

FIGURE 1
 CHLORIDE, TDS, & BTEX CONCENTRATIONS
 AND GROUNDWATER ELEVATION MAP

Figure 2a: Chloride Concentrations vs Time

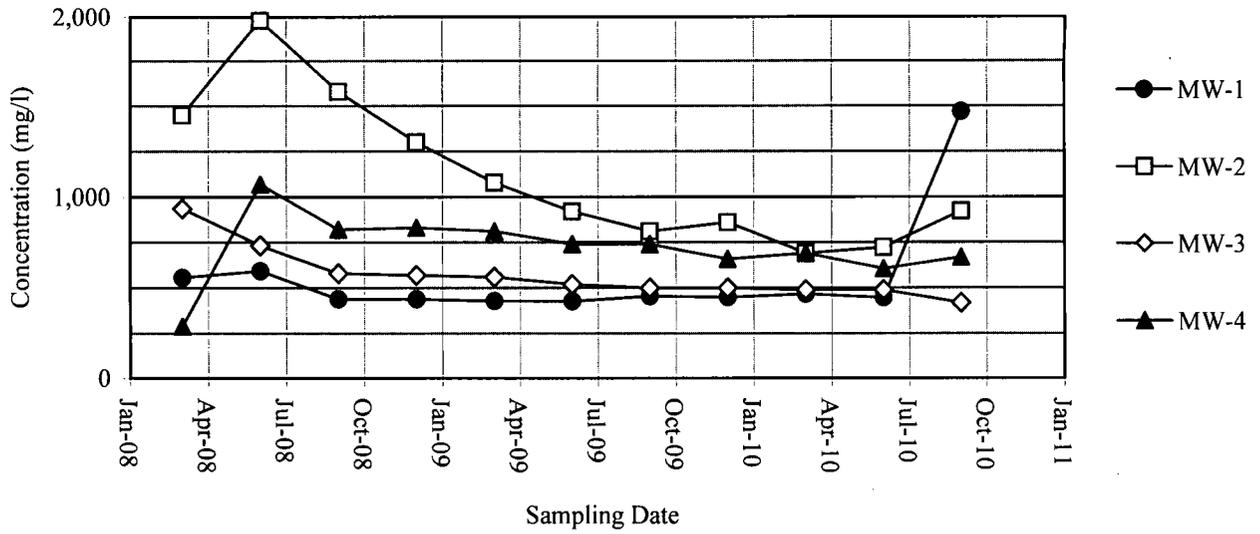


Figure 2b: TDS Concentrations vs Time

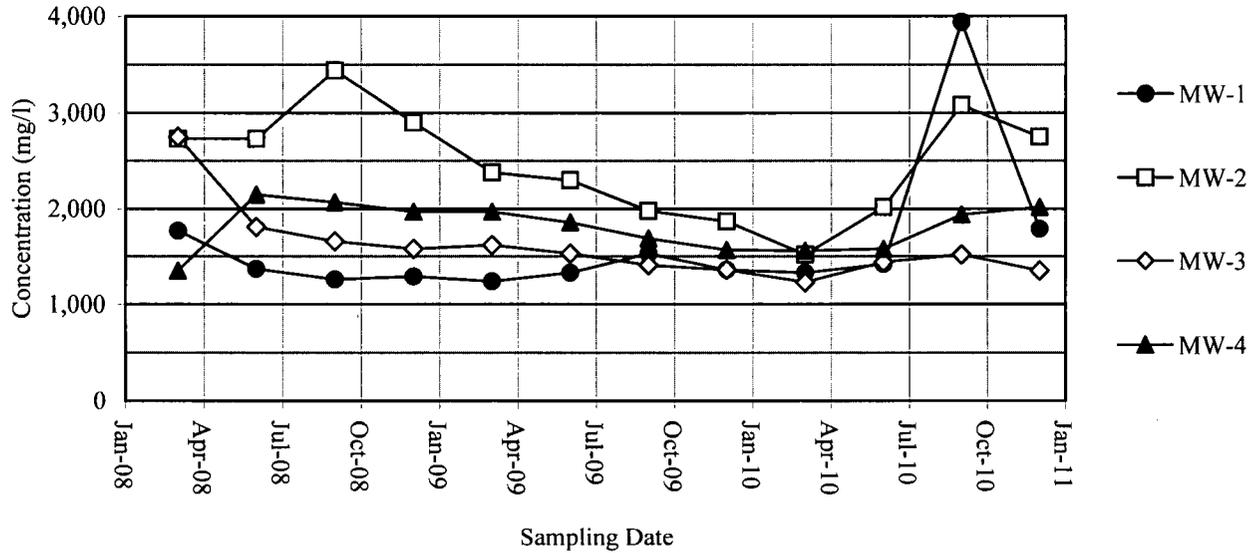
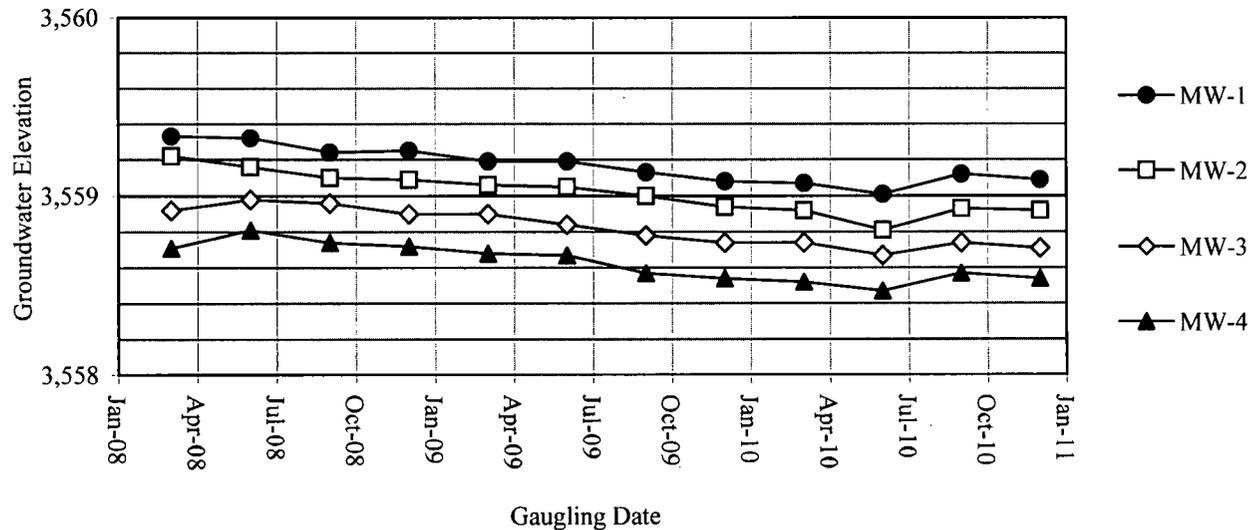


Figure 2c: Groundwater Elevations (Ft AMSL) vs Time



Below is a summary of conclusions regarding groundwater conditions:

- The local water table is at a depth of approximately 41 feet bgs and slopes towards the northeast at a magnitude of approximately 0.004 ft/ft, which is anomalous to the prevailing southeast trending regional gradient.
- The base of the aquifer is at approximately 50 ft bgs, where red clay was encountered during well installations, therefore the saturated thickness is estimated at only 9 feet.
- The potential well yield for possible beneficial use of groundwater at the site is very low due to the limited thickness of the aquifer (less than 10 feet), observations of low yields during monitoring well development activities, and water table elevation declines of approximately 0.1 feet per year. In the unlikely event a water well is completed in the area, the expected yield would be less than 150 gallons per day which is considered inadequate for any beneficial domestic, irrigation, or municipal use.
- Chloride and TDS concentrations from groundwater samples collected at monitoring well MW-1, MW-2, MW-3, and MW-4 exceed WQCC standards. The highest chloride and TDS levels during the most recent sampling event in December 2010 have been observed in monitoring well MW-2 with concentrations of 936 mg/L and 2,750 mg/L, respectively.
- 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*

ATTACHMENT A

WELL SAMPLING DATA FORM

and

LABORATORY ANALYTICAL REPORTS

WELL SAMPLING DATA FORM



CLIENT: Pride Energy Company

SITE NAME: State 36 #2 (API# 30-025-36909)

ITE LOCATION: T19S R37E Sec36 Unit O, Lea County, NM

SAMPLER: Gil Van Deventer

PURGING METHOD: Hand Bailed Pump, Type: Proactive SuperTwister Purge Pump

SAMPLING METHOD: Disposable Bailor Direct from Discharge Hose Other: _____

SPOSAL METHOD OF PURGE WATER: On-site Drum Drums SWD 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	Purge Method	PHYSICAL APPEARANCE AND REMARKS
First	03/31/10	16:32	MW-1	44.14	52.37	8.23	0.16	1.3	5	3.8	19.5	1.99	7.82	Hand Bail	Some silt/sand but cleared during purge
		17:40	MW-2	43.55	57.61	14.06	0.16	2.2	7	3.1	19.1	2.59	7.58		Some silt/sand but cleared during purge
		16:55	MW-3	44.07	53.83	9.76	0.16	1.6	5	3.2	19.4	2.17	7.98		Some silt/sand but cleared during purge
		17:15	MW-4	43.83	50.30	6.47	0.16	1.0	5	4.8	19.3	2.57	7.70		Some silt/sand but cleared during purge
Second	06/15/10	10:20	MW-1	44.20	52.37	8.17	0.16	1.3	5	3.8	21.0	2.30	7.71	Hand Bail	Some silt/sand but cleared during purge
		11:40	MW-2	43.66	57.61	13.95	0.16	2.2	8	3.6	20.1	2.86	7.78		Some silt/sand but cleared during purge
		10:50	MW-3	44.14	53.83	9.69	0.16	1.6	5	3.2	20.2	2.25	7.74		Some silt/sand but cleared during purge
		11:10	MW-4	43.88	50.30	6.42	0.16	1.0	4	3.9	19.8	2.66	7.87		Some silt/sand but cleared during purge
Third	09/22/10	10:55	MW-1	44.09	52.37	8.28	0.16	1.3	16	12.1	19.7	4.82	7.19	Purge Pump	Some silt/sand but cleared during purge
		13:30	MW-2	43.54	57.61	14.07	0.16	2.3	22	9.8	19.3	3.74	7.79		Some silt/sand but cleared during purge
		11:30	MW-3	44.07	53.83	9.76	0.16	1.6	10	6.4	19.7	2.10	7.91		Some silt/sand but cleared during purge
		12:00	MW-4	43.78	50.30	6.52	0.16	1.0	16	15.3	19.2	2.87	7.87		Some silt/sand but cleared during purge
Fourth	12/13/10	14:53	MW-1	44.12	52.37	8.25	0.16	1.3	8	6.1	18.5	2.87	7.48	Purge Pump	Some silt/sand but cleared during purge
		16:00	MW-2	43.55	57.61	14.06	0.16	2.2	14	6.2	18.1	3.79	7.48		Some silt/sand but cleared during purge
		15:18	MW-3	44.10	53.83	9.73	0.16	1.6	8	5.1	18.7	1.50	7.34		Some silt/sand but cleared during purge
		15:37	MW-4	43.81	50.30	6.49	0.16	1.0	8	7.7	18.5	2.67	7.44		Some silt/sand but cleared during purge

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

Note: Gate may be locked for access.

Hanna Model 98130 instrument used to obtain pH, conductivity, and temperature measurements.

One of the locks combo is 5010

Delivered samples to Xenco Laboratories for chloride (300.1) and TDS (160.1) analysis.

Analytical Report 400565

for
Trident Environmental

Project Manager: Gil Van Deventer

Pride Energy Company

State 36 # 2

20-DEC-10



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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 (AAL11), 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)

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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: **400565**
Pride Energy Company
Project Address: T19S-R37E, Sec 36, Unit Letter O - 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 400565. 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. 400565 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 400565



Trident Environmental, Midland, TX

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Dec-13-10 14:53		400565-001
MW-2	W	Dec-13-10 16:00		400565-002
MW-3	W	Dec-13-10 15:18		400565-003
MW-4	W	Dec-13-10 15:37		400565-004



CASE NARRATIVE

Client Name: Trident Environmental
Project Name: Pride Energy Company



Project ID: State 36 # 2
Work Order Number: 400565

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: 400565-001, -002, -003, -004.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Batch: LBA-835988 TDS by SM2540C



Certificate of Analysis Summary 400565

Trident Environmental, Midland, TX

Project Name: Pride Energy Company



Project Id: State 36 # 2

Contact: Gil Van Deventer

Project Location: T19S-R37E, Sec 36, Unit Letter O - Lea C

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

Report Date: 20-DEC-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	400565-001	400565-002	400565-003	400565-004		
	<i>Field Id:</i>	MW-1	MW-2	MW-3	MW-4		
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER	WATER	WATER	WATER		
	<i>Sampled:</i>	Dec-13-10 14:53	Dec-13-10 16:00	Dec-13-10 15:18	Dec-13-10 15:37		
	<i>Extracted:</i>						
Anions by E300	<i>Analyzed:</i>	Dec-14-10 15:10	Dec-14-10 15:10	Dec-14-10 15:10	Dec-14-10 15:10		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Chloride		491 12.5	936 25.0	290 10.0	646 12.5		
TDS by SM2540C	<i>Extracted:</i>						
	<i>Analyzed:</i>	Dec-14-10 16:00	Dec-14-10 16:00	Dec-14-10 16:00	Dec-14-10 16:00		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Total dissolved solids		1790 5.00	2750 5.00	1350 5.00	2020 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.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi


 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 / BSD Recoveries



Project Name: Pride Energy Company

Work Order #: 400565

Analyst: LATCOR

Date Prepared: 12/14/2010

Project ID: State 36 # 2

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 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
Analytes											
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 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
Analytes											
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 #: 400565

Lab Batch #: 835912

Date Analyzed: 12/14/2010

Date Prepared: 12/14/2010

Project ID: State 36 # 2

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

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

BRL - Below Reporting Limit



Sample Duplicate Recovery



Project Name: Pride Energy Company

Work Order #: 400565

Lab Batch #: 835912

Project ID: State 36 # 2

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.

3RL - Below Reporting Limit



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 LNW
 Date/Time: 12.14.10 12:30
 Lab ID #: 400565
 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 (cooler) and bottles?	<u>Yes</u>	No	<u>N/A</u> ¹²	
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 2.6 °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 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

Analytical Report 391076

for

Trident Environmental

Project Manager: Gil Van Deventer

Pride Energy Company

State 36 #2 (API #30-025-36909)

28-SEP-10



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



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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)

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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)



28-SEP-10

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

Reference: XENCO Report No: **391076**
Pride Energy Company
Project Address: T19S-R37E, Sec 36, Unit Letter O ~ 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 391076. 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. 391076 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 391076



Trident Environmental, Midland, TX
Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Sep-22-10 10:55		391076-001
MW-2	W	Sep-22-10 13:30		391076-002
MW-3	W	Sep-22-10 11:30		391076-003
MW-4	W	Sep-22-10 12:00		391076-004



CASE NARRATIVE

Client Name: Trident Environmental
Project Name: Pride Energy Company



Project ID: State 36 #2 (API #30-025-
Work Order Number: 391076

Report Date: 28-SEP-10
Date Received: 09/23/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-824916 Anions by E300
E300MI

Batch 824916, Chloride recovered below QC limits in the Blank Spike Duplicate.
Samples affected are: 391076-002, -001, -004, -003.

Batch: LBA-825062 TDS by SM2540C
None



Certificate of Analysis Summary 391076

Trident Environmental, Midland, TX

Project Name: Pride Energy Company



Project Id: State 36 #2 (API #30-025-36909)

Contact: Gil Van Deventer

Project Location: T19S-R37E, Sec 36, Unit Letter O ~ Lea C

Date Received in Lab: Thu Sep-23-10 04:06 pm

Report Date: 28-SEP-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	391076-001	391076-002	391076-003	391076-004		
	<i>Field Id:</i>	MW-1	MW-2	MW-3	MW-4		
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER.	WATER	WATER	WATER		
	<i>Sampled:</i>	Sep-22-10 10:55	Sep-22-10 13:30	Sep-22-10 11:30	Sep-22-10 12:00		
Anions by E300	<i>Extracted:</i>						
	<i>Analyzed:</i>	Sep-24-10 17:08	Sep-24-10 17:29	Sep-24-10 17:50	Sep-24-10 18:11		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Chloride		1470 25.0	923 12.5	420 10.0	669 12.5		
TDS by SM2540C	<i>Extracted:</i>						
	<i>Analyzed:</i>	Sep-27-10 16:00	Sep-27-10 16:00	Sep-27-10 16:00	Sep-27-10 16:00		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Total dissolved solids		3940 5.00	3080 5.00	1520 5.00	1940 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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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 / BSD Recoveries



Project Name: **Pride Energy Company**

Work Order #: 391076

Analyst: LATCOR

Date Prepared: 09/24/2010

Project ID: State 36 #2 (API #30-025-36909)

Date Analyzed: 09/24/2010

Lab Batch ID: 824916

Sample: 824916-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

Anions by E300	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
Chloride	ND	100	93.8	94	100	89.3	89	5	90-110	20	L

Analyst: WRU

Date Prepared: 09/27/2010

Date Analyzed: 09/27/2010

Lab Batch ID: 825062

Sample: 825062-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C	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
Total dissolved solids	ND	1000	922	92	1000	962	96	4	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

Order #: 391076

Lab Batch #: 824916

Project ID: State 36 #2 (API #30-025-36909)

Date Analyzed: 09/24/2010

Date Prepared: 09/24/2010

Analyst: LATCOR

QC- Sample ID: 390982-001 S

Batch #: 1

Matrix: Water

Reporting Units: mg/L

Inorganic Anions by EPA 300 Analytes	MATRIX / MATRIX SPIKE RECOVERY STUDY					
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	24.8	50.0	78.2	107	90-110	

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

Below Reporting Limit



Sample Duplicate Recovery



Project Name: Pride Energy Company

Work Order #: 391076

Lab Batch #: 824916

Project ID: State 36 #2 (API #30-025-36909)

Date Analyzed: 09/24/2010

Date Prepared: 09/24/2010

Analyst: LATCOR

QC- Sample ID: 390982-001 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	24.8	24.5	1	20	

Lab Batch #: 825062

Analyst: WRU

Date Analyzed: 09/27/2010

Date Prepared: 09/27/2010

QC- Sample ID: 390982-001 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	212	220	4	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 797658 (432) 563-1800 Tel Fax (432) 563-1713		Xenco Laboratories		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																																																						
Company Name: Trident Environmental		BILL TO Company: PC# Pride Energy Company / Matt Pride		LAB Order ID # <u>3910710</u> ANALYSIS REQUEST (Circle or Specify Method No.) <table border="1" style="width:100%; border-collapse: collapse; font-size: 8pt;"> <tr> <td><input type="checkbox"/></td><td>MTBE</td><td>8021B/802</td></tr> <tr> <td><input type="checkbox"/></td><td>BTEX</td><td>8021 B</td></tr> <tr> <td><input type="checkbox"/></td><td>TPH</td><td>418.1/TX-1005 / TX1005 Extended (C35)</td></tr> <tr> <td><input type="checkbox"/></td><td>PAH</td><td>8270C</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">Total Metals: Ag As Ba Cd Cr Pb Se Hg 8010B/200.7</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">TCLP Metals: Ag As Ba Cd Cr Pb Se Hg</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">TCLP Volatiles</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">TCLP Semi Volatiles</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">TCLP Pesticides</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">RCI</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">GC/MS Vol. 8260B/824</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">GC/MS Semi. Vol. 8270C/825</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">Moisture Content</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">Cations (Ca, Mg, Na, K)</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">Anions (Cl, SO₄, CO₃, HCO₃)</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">Total Dissolved Solids (180.1 / SM2540C)</td></tr> <tr> <td><input type="checkbox"/></td><td colspan="2">Chlorides (325.3 / SM4500 B)</td></tr> </table> Turn Around Time - 24 Hours				<input type="checkbox"/>	MTBE	8021B/802	<input type="checkbox"/>	BTEX	8021 B	<input type="checkbox"/>	TPH	418.1/TX-1005 / TX1005 Extended (C35)	<input type="checkbox"/>	PAH	8270C	<input type="checkbox"/>	Total Metals: Ag As Ba Cd Cr Pb Se Hg 8010B/200.7		<input type="checkbox"/>	TCLP Metals: Ag As Ba Cd Cr Pb Se Hg		<input type="checkbox"/>	TCLP Volatiles		<input type="checkbox"/>	TCLP Semi Volatiles		<input type="checkbox"/>	TCLP Pesticides		<input type="checkbox"/>	RCI		<input type="checkbox"/>	GC/MS Vol. 8260B/824		<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/825		<input type="checkbox"/>	Moisture Content		<input type="checkbox"/>	Cations (Ca, Mg, Na, K)		<input type="checkbox"/>	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)		<input type="checkbox"/>	Total Dissolved Solids (180.1 / SM2540C)		<input type="checkbox"/>	Chlorides (325.3 / SM4500 B)	
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Project Manager: Gil Van Deventer / Trident Environmental		Address: (Street, City, Zip) PO Box 710950, Tulsa, OK 74170-1950																																																								
Address: (Street, City, Zip) PO Box 12177, Odessa TX 79768		Phone#: (918) 524-9200		Fax#: (918) 524-9292																																																						
Phone #: (432) 638-8740		Fax #: (413) 403-9968																																																								
Project #: State 36 #2 (API # 30-025-36909)		Project Name: Pride Energy Company																																																								
Project Location: T19S-R37E, Sec 36, Unit Letter O ~ Lea County, NM				Sampler Signature:																																																						
LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX			PRESERVATIVE METHOD				SAMPLING																																															
				WATER	SOIL	AIR	SLUDGE	HCL (BTEX only)	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE	NONE	DATE	TIME																																											
	MW-1	G	1	X						X		9/22/10	1055																																													
	MW-2	G	1	X						X		9/22/10	1130																																													
	MW-3	G	1	X						X		9/22/10	1130																																													
	MW-4	G	1	X						X		9/22/10	1200																																													
Relinquished by: <i>[Signature]</i> Date: <i>9/24/10</i> Time: <i>4:00pm</i>		Received by: _____ Date: _____ Time: _____		Phone Results: Yes <input type="checkbox"/> No <input type="checkbox"/>		Fax Results: Yes <input type="checkbox"/> No <input type="checkbox"/> Additional Fax Number: _____																																																				
Relinquished by: _____ Date: _____ Time: _____		Received By: (Laboratory Staff) <i>[Signature]</i> Date: <i>9/23/10</i> Time: <i>4:06pm</i>		REMARKS:				Email Results to: gil@trident-environmental.com matt@pride-energy.com																																																		
Delivered By: (Circle One)		Sample Condition: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cool Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						CHECKED BY: _____ (Initials)																																																		
Sampler - UPS - Bus - Other: <i>5.1</i>																																																										



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 Environmental / Gil Van Derenter
 Date/Time: 9/23/10 4:00 pm
 Lab ID #: 311070
 Initials: ME

Sample Receipt Checklist

1. Samples on ice?	<u>Blue</u>	Water	No	
2. Shipping container in good condition?	<u>Yes</u>	No	None	
3. Custody seals intact on shipping container (cooler) 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	<u>No</u>	N/A	
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>5.1</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 5.5.8.3.1.a.1.
 Initial and Backup Temperature confirm out of temperature conditions
 Client understands and would like to proceed with analysis

Analytical Report 377874

for

Pride Energy Company

Project Manager: Matt Pride

Pride Energy Company

State 36 # 2

22-JUN-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-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):

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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: FL00449):

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



22-JUN-10

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

Tulsa, OK 74170

Reference: XENCO Report No: **377874**
Pride Energy Company
Project Address: T19S-R37E, Sec 36, Unit Letter O ~ Lea County, NM

Matt Pride:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 377874. 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. 377874 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 377874



Pride Energy Company, Tulsa, OK
Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Jun-16-10 10:20		377874-001
MW-2	W	Jun-16-10 11:40		377874-002
MW-3	W	Jun-16-10 10:50		377874-003
MW-4	W	Jun-16-10 11:10		377874-004



CASE NARRATIVE

Client Name: Pride Energy Company

Project Name: Pride Energy Company



Project ID: State 36 # 2

Work Order Number: 377874

Report Date: 22-JUN-10

Date Received: 06/18/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-811423 Chloride by SM4500-CI- B

None

Batch: LBA-811630 TDS by SM2540C

None



Certificate of Analysis Summary 377874

Pride Energy Company, Tulsa, OK

Project Name: Pride Energy Company



Project Id: State 36 # 2

Contact: Matt Pride

Project Location: T19S-R37E, Sec 36, Unit Letter O ~ Lea C

Date Received in Lab: Fri Jun-18-10 02:30 pm

Report Date: 22-JUN-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	377874-001	377874-002	377874-003	377874-004		
	<i>Field Id:</i>	MW-1	MW-2	MW-3	MW-4		
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER	WATER	WATER	WATER		
	<i>Sampled:</i>	Jun-16-10 10:20	Jun-16-10 11:40	Jun-16-10 10:50	Jun-16-10 11:10		
Chloride by SM4500-CI- B	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-21-10 11:55	Jun-21-10 11:55	Jun-21-10 11:55	Jun-21-10 11:55		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Chloride		446.7 5.000	723.2 5.000	489.2 5.000	606.2 5.000		
TDS by SM2540C	<i>Extracted:</i>						
	<i>Analyzed:</i>	Jun-21-10 13:00	Jun-21-10 13:00	Jun-21-10 13:00	Jun-21-10 13:00		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Total dissolved solids		1420 15.0	2020 15.0	1440 15.0	1580 15.0		

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.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi


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



Blank Spike Recovery



Project Name: Pride Energy Company

Work Order #: 377874

Project ID:

State 36 # 2

Lab Batch #: 811423

Sample: 811423-1-BKS

Matrix: Water

Date Analyzed: 06/21/2010

Date Prepared: 06/21/2010

Analyst: LATCOR

Reporting Units: mg/L

Batch #: 1

BLANK/BLANK SPIKE RECOVERY STUDY

Chloride by SM4500-CI- B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100.0	92.50	93	70-125	

Blank Spike Recovery [D] = 100*[C]/[B]

Results are based on MDL and validated for QC purposes.

Below Reporting Limit



BS / BSD Recoveries



Project Name: Pride Energy Company

Work Order #: 377874

Analyst: WRU

Date Prepared: 06/21/2010

Project ID: State 36 # 2

Date Analyzed: 06/21/2010

Lab Batch ID: 811630

Sample: 811630-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C	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
Analytes											
Total dissolved solids	12.0	1000	900	90	1000	896	90	0	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/MSD Recoveries



Project Name: Pride Energy Company

Work Order #: 377874

Project ID: State 36 # 2

Lab Batch ID: 811423

QC- Sample ID: 377874-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 06/21/2010

Date Prepared: 06/21/2010

Analyst: LATCOR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by SM4500-CI- B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
	Chloride	446.7	1000	1340	89	1000	1319	87	2	70-125	25

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

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 Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Pride Energy Company

Work Order #: 377874

Lab Batch #: 811630

Project ID: State 36 # 2

Date Analyzed: 06/21/2010

Date Prepared: 06/21/2010

Analyst: WRU

QC- Sample ID: 377874-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	1420	1480	4	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 797658 Tel (432) 563-1800 Fax (432) 563-1713

Xenco Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: Trident Environmental	BILL TO Company: Pride Energy Company / Matt Pride	PO#
Project Manager: Gil Van Deventer / Trident Environmental	Address: (Street, City, Zip) PO Box 710950, Tulsa, OK 74170-1950	
Address: (Street, City, Zip) PO Box 12177, Odessa TX 79768	Phone#: (918) 524-9200	Fax#: (918) 524-9292
Phone #: (432) 638-8740	Fax #: (413) 403-9968	
Project #: State 36 #2	Project Name: Pride Energy Company	
Project Location: T19S-R37E, Sec 36, Unit Letter O ~ Lea County, NM	Sampler Signature: <i>[Signature]</i>	

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(Grab or C)omp	# CONTAINERS	MATRIX				PRESERVATIVE METHOD				SAMPLING		Turn Around Time ~ 24 Hours	
				WATER	SOIL	AIR	SLUDGE	HCL (BTEX only)	HNO ₃	NaHSO ₄	H ₂ SO ₄	ICE	NONE		DATE
377874 01	MW-1	G	1	X							X	6-16-10	1020		✓
02	MW-2	G	1	X							X	6-16-10	1140		✓
03	MW-3	G	1	X							X	6-16-10	1050		✓
04	MW-4	G	1	X							X	6-16-10	1110		✓

MTBE 8021B/602	BTEX 8021 B	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO ₄ , CO ₃ , HCO ₃)	Total Dissolved Solids (180.1 / SM2540C)	Chlorides (325.3 / SM4500 B)
----------------	-------------	--	-----------	--	-------------------------------------	----------------	---------------------	-----------------	-----	----------------------	----------------------------	------------------	-------------------------	--	--	------------------------------

Relinquished by: <i>[Signature]</i> Date: 6/16/10 Time: 2:30 pm	Received by: <i>[Signature]</i> Date: 6-18-10 Time: 14:30
Relinquished by: _____ Date: _____ Time: _____	Received by: (Laboratory Staff) Date: _____ Time: _____
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition 3.0 Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	CHECKED BY: <i>[Signature]</i> (Initials) ZSM/pon

Phone Results	Yes	No
Fax Results	Yes	No
Additional Fax Number: _____		
REMARKS:		
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: Pride Energy
 Date/Time: 6.18.10 14.30
 Lab ID #: 377874
 Initials: AL

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	<u>N/A</u> AL	
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)?	<u>Yes</u>	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 3.6 °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 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis



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: Pride Energy
 Date/Time: 6-18-10 14:30
 Lab ID #: 377874
 Initials: AL

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	<u>N/A</u> AL	
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)?	<u>Yes</u>	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>3.6</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 6.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis

Analytical Report 368017

for

Pride Energy Company

Project Manager: Matt Pride

Pride Energy Company

State 36 # 2

08-APR-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-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: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295)



08-APR-10

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

Tulsa, OK 74170

Reference: XENCO Report No: **368017**
Pride Energy Company
Project Address: T19S-R37E, Sec 36 Unit Letter O ~ Lea County, NM

Matt Pride:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 368017. 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. 368017 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 368017



Pride Energy Company, Tulsa, OK

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Mar-31-10 16:32		368017-001
MW-2	W	Mar-31-10 17:40		368017-002
MW-3	W	Mar-31-10 16:55		368017-003
MW-4	W	Mar-31-10 17:15		368017-004



CASE NARRATIVE

Client Name: Pride Energy Company

Project Name: Pride Energy Company



Project ID: State 36 # 2
Work Order Number: 368017

Report Date: 08-APR-10
Date Received: 04/05/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-801335 Chloride by SM4500-CI- B

None

Batch: LBA-801579 TDS by SM2540C

None



Certificate of Analysis Summary 368017

Pride Energy Company, Tulsa, OK

Project Name: Pride Energy Company



Project Id: State 36 # 2

Contact: Matt Pride

Project Location: T19S-R37E, Sec 36 Unit Letter O ~ Lea C

Date Received in Lab: Mon Apr-05-10 04:30 pm

Report Date: 08-APR-10

Project Manager: Brent Barron, II

<i>Analysis Requested</i>	<i>Lab Id:</i>	368017-001	368017-002	368017-003	368017-004		
	<i>Field Id:</i>	MW-1	MW-2	MW-3	MW-4		
	<i>Depth:</i>						
	<i>Matrix:</i>	WATER	WATER	WATER	WATER		
	<i>Sampled:</i>	Mar-31-10 16:32	Mar-31-10 17:40	Mar-31-10 16:55	Mar-31-10 17:15		
Chloride by SM4500-CI- B	<i>Extracted:</i>						
	<i>Analyzed:</i>	Apr-07-10 10:45	Apr-07-10 10:45	Apr-07-10 10:45	Apr-07-10 10:45		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Chloride		467.9 5.000	691.3 5.000	489.2 5.000	691.3 5.000		
TDS by SM2540C	<i>Extracted:</i>						
	<i>Analyzed:</i>	Apr-06-10 16:15	Apr-06-10 16:15	Apr-06-10 16:15	Apr-06-10 16:15		
	<i>Units/RL:</i>	mg/L RL	mg/L RL	mg/L RL	mg/L RL		
Total dissolved solids		1330 5.00	1520 5.00	1230 5.00	1560 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

* Outside XENCO's scope of NELAC Accreditation.

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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
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842 Cantwell Lane, Corpus Christi, TX 78408	(361) 884-0371	(361) 884-9116



Blank Spike Recovery



Project Name: Pride Energy Company

Work Order #: 368017

Project ID:

State 36 # 2

Lab Batch #: 801335

Sample: 801335-1-BKS

Matrix: Water

Date Analyzed: 04/07/2010

Date Prepared: 04/07/2010

Analyst: LATCOR

Reporting Units: mg/L

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

Chloride by SM4500-CI- B Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100.0	92.52	93	70-125	

Blank Spike Recovery [D] = 100*[C]/[B]

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

Below Reporting Limit



BS / BSD Recoveries



Project Name: Pride Energy Company

Work Order #: 368017

Analyst: WRU

Date Prepared: 04/06/2010

Project ID: State 36 # 2

Date Analyzed: 04/06/2010

Lab Batch ID: 801579

Sample: 801579-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TDS by SM2540C	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
Analytes											
Total dissolved solids	ND	1000	964	96	1000	950	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 - M MSD Recoveries



Project Name: Pride Energy Company

Work Order #: 368017

Project ID: State 36 # 2

Lab Batch ID: 801335

QC- Sample ID: 368017-001 S

Batch #: 1 Matrix: Water

Date Analyzed: 04/07/2010

Date Prepared: 04/07/2010

Analyst: LATCOR

Reporting Units: mg/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

Chloride by SM4500-CI- B Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	467.9	1000	1489	102	1000	1500	103	1	70-125	25	

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

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 Applicable
N = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery



Project Name: Pride Energy Company

Work Order #: 368017

Lab Batch #: 801579

Project ID: State 36 # 2

Date Analyzed: 04/06/2010

Date Prepared: 04/06/2010

Analyst: WRU

QC- Sample ID: 367620-001 D

Batch #: 1

Matrix: Water

Reporting Units: mg/L

SAMPLE / SAMPLE DUPLICATE RECOVERY

TDS by SM2540C Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	51400	56000	9	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

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Pride Energy
 Date/ Time: 4.5.10 16:30
 Lab ID #: 368017
 Initials: AL

Sample Receipt Checklist

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