Delivery Confirmation No.
420 87505 9101 9690 0094 0865 9218 78

TRIDENT ENVIRONMENTAL

February 21, 2012

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: 2011 Annual Groundwater Monitoring Report
State 36 #2 Site (NMOCD Case # 1R-501)
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 *2011 Annual Groundwater Monitoring Report* for the above-referenced site.

Groundwater Monitoring Results

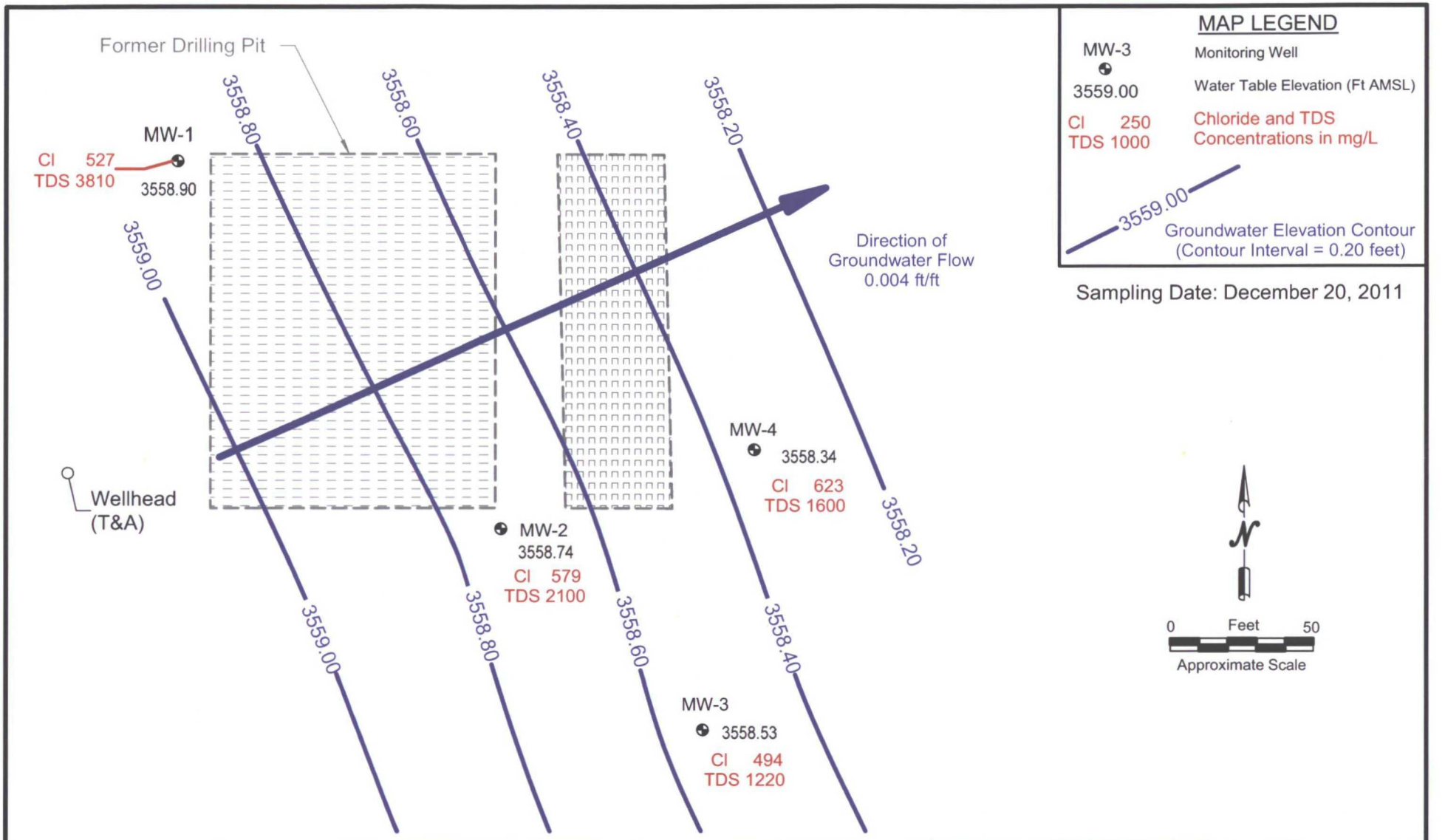
Groundwater monitoring activities have been performed at the site on a quarterly basis since January 2008 as summarized in Table 1. A site plan showing the most recent groundwater elevation and the chloride/TDS concentrations in the four on site monitoring wells (MW-1, MW-2, MW-3, and MW-4) is shown 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 2011 sampling event are included in Attachment A.

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	
	03/17/11	44.14	3559.07	512	1,840	---
	06/30/11	44.24	3558.97	447	1,410	---
	09/29/11	44.23	3558.98	453	770	---
	12/20/11	44.31	3558.90	527	3,810*	---

Table 1: Summary of Groundwater Monitoring Results (continued)

Monitoring Well	Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	BTEX (mg/L)
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	---
	03/17/11	43.55	3558.92	765	2,560	---
	06/30/11	43.67	3558.80	788	1,180	---
	09/29/11	43.65	3558.82	616	1,380	---
	12/20/11	43.73	3558.74	579	2,100	---
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	---
	03/17/11	44.07	3558.74	434	1,420	---
	06/30/11	44.19	3558.62	426	1,310	---
	09/29/11	44.18	3558.63	439	890	---
	12/20/11	44.28	3558.53	494	1,220	---
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	---
	03/17/11	43.83	3558.52	778	2,530	---
	06/30/11	43.94	3558.41	758	1,910	---
	09/29/11	43.93	3558.42	662	1,180	---
	12/20/11	44.01	3558.34	623	1,600	---



TRIDENT ENVIRONMENTAL

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

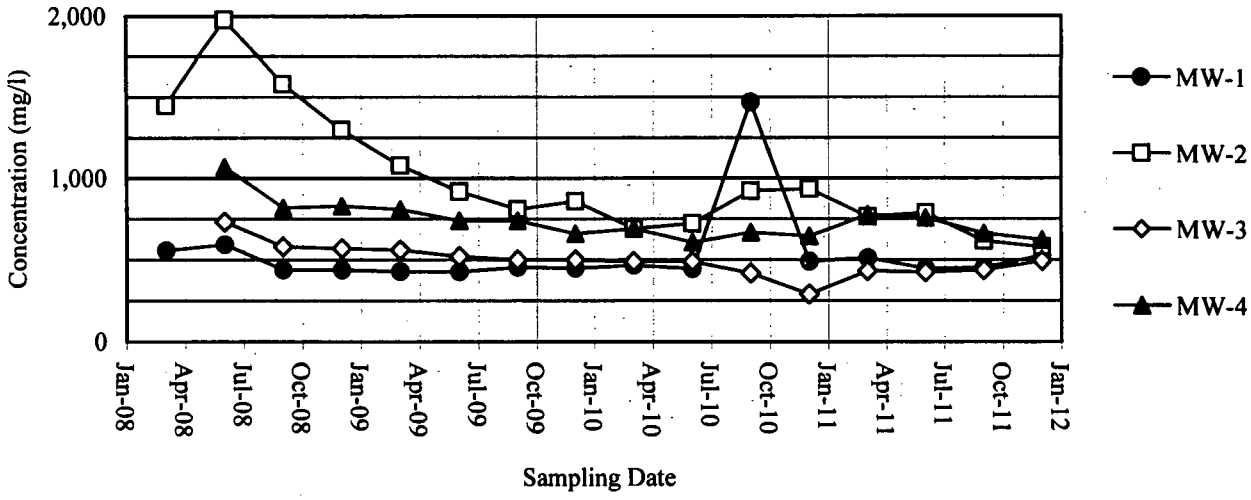


Figure 2b: TDS Concentrations vs Time

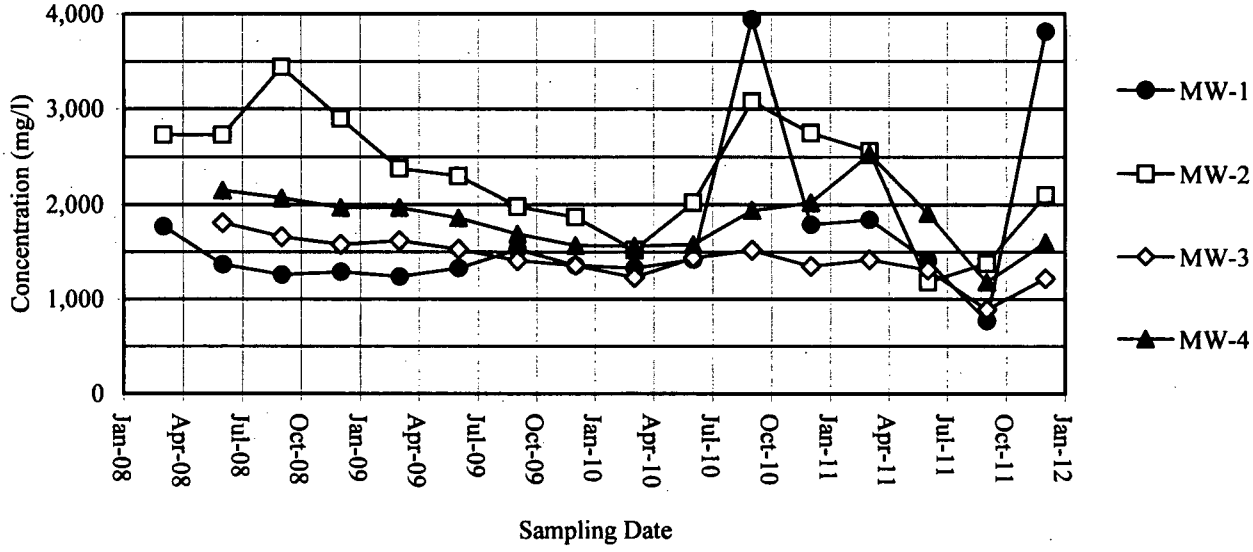
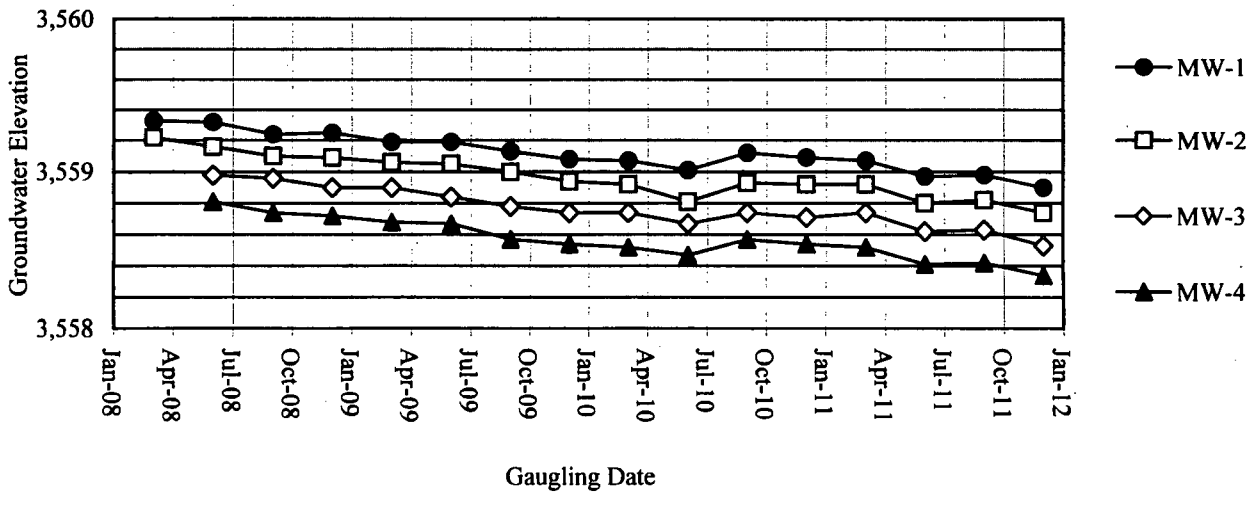


Figure 2c: Groundwater Elevations (Ft AMSL) vs Time



Conclusions regarding groundwater conditions are summarized as follows:

- 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. Due to its location immediately downgradient of the former drilling pit, monitoring well MW-2 usually exhibits the highest chloride and TDS values. However, during the most recent sampling event, the TDS concentration in monitoring well MW-1 (3,810 mg/L) exceeded that of MW-2 (2,100 mg/L) which is not consistent with previous sampling events nor does it correlate with the reported chloride values or gradient direction. Therefore, a lab error is suspected for the TDS concentration in MW-1 as reported in the December 20, 2011 sampling event. Possibly the sample was not filtered sufficiently allowing for suspended solids to be included in the result. The seven day holding time was exceeded prior to receiving the lab results so the lab could not re-analyze the TDS. Results from subsequent sampling events should confirm the suspicion of lab error.
- 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, Odessa TX)

cc: Matt Pride (Pride Energy Co., Tulsa OK)
Geoffrey Leking (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 (OCD Case # 1R501)
ITE LOCATION: T19S R37E Sec36 Unit O, Lea County, NM
SAMPLER: Gil Van Deventer

PURGING METHOD: ☑ Hand Bailed ☑ Pump, Type: Proactive SuperTwister (3-stage Submersible Pump)
SAMPLING METHOD: ☑ Disposable Bailer ☐ 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	03/17/11	10:30	MW-1	44.14	52.37	8.23	0.16	1.3	8	6.1	20.9	2.41	6.83	Pump	Tan; cleared during purge
		11:40	MW-2	43.55	57.61	14.06	0.16	2.2	12	5.3	19.9	3.42	6.92		Clear
		11:00	MW-3	44.07	53.83	9.76	0.16	1.6	8	5.1	20.6	2.17	6.87		Pinkish/tan; cleared during purge
		11:20	MW-4	43.83	50.30	6.47	0.16	1.0	8	7.7	20.4	3.27	6.80		Clear
Second	06/30/11	14:40	MW-1	44.24	52.37	8.13	0.16	1.3	12	9.2	21.8	2.47	6.89	Pump	Whitish/tan; cleared during purge
		15:20	MW-2	43.67	57.61	13.94	0.16	2.2	12	5.4	21.1	3.15	6.84		Clear
		10:30	MW-3	44.19	53.83	9.64	0.16	1.5	12	7.8	20.9	2.38	6.78		Whitish/tan; cleared during purge
		14:00	MW-4	43.94	50.30	6.36	0.16	1.0	12	11.8	22.0	3.34	6.89		Whitish/tan; cleared during purge
Third	09/29/11	14:00	MW-1	44.23	52.37	8.14	0.16	1.3	10	7.7	20.6	2.31	6.90	Pump	Clear
		14:30	MW-2	43.65	57.61	13.96	0.16	2.2	15	6.7	20.3	2.82	7.06		Clear
		15:20	MW-3	44.18	53.83	9.65	0.16	1.5	10	6.5	20.9	2.27	7.06		Pinkish/tan; cleared during purge
		16:00	MW-4	43.93	50.30	6.37	0.16	1.0	10	9.8	20.9	2.96	7.00		Whitish/tan; cleared during purge
Fourth	12/20/11	12:30	MW-1	44.31	52.37	8.06	0.16	1.3	8	6.3	16.9	2.31	6.90	Pump	Whitish/tan; cleared during purge
		15:30	MW-2	43.73	57.61	13.88	0.16	2.2	12	5.4	17.9	2.82	7.06		Clear
		13:30	MW-3	44.28	53.83	9.55	0.16	1.5	8	5.2	16.6	2.27	7.06		Pinkish/tan; cleared during purge
		14:30	MW-4	44.01	50.30	6.29	0.16	1.0	8	7.9	16.7	2.96	7.00		Whitish/tan; cleared during purge

COMMENTS: Equipment decontamination consists of gloves, Alconox, and Distilled Water Rinse.
Hanna Model 98130 instrument used to obtain pH, conductivity, and temperature measurements.
Delivered samples to Xenco Laboratories for chloride (300.1) and TDS (160.1) analysis.

Note: Gate may be locked for access.
One of the locks combo is 5010

Analytical Report 410342

for

Trident Environmental

Project Manager: Gil Van Deventer

Pride Energy Company

State 36 #2

22-MAR-11

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), 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)

22-MAR-11

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

Reference: XENCO Report No: **410342**
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 410342. 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. 410342 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

XENCO Laboratories

Sample Cross Reference 410342

Trident Environmental, Midland, TX

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Mar-17-11 09:30		410342-001
MW-2	W	Mar-17-11 10:40		410342-002
MW-3	W	Mar-17-11 10:00		410342-003
MW-4	W	Mar-17-11 10:20		410342-004

CASE NARRATIVE

Client Name: Trident Environmental
Project Name: Pride Energy Company

Project ID:	*State 36 #2*	*Report Date:*	*22-MAR-11*
Work Order Number:	*410342*	*Date Received:*	*03/18/2011*

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Certificate of Analysis Summary 410342

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: Fri Mar-18-11 01:17 pm
Report Date: 22-MAR-11
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	410342-001		410342-002		410342-003		410342-004	
	Field Id:	MW-1		MW-2		MW-3		MW-4	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Mar-17-11 09:30		Mar-17-11 10:40		Mar-17-11 10:00		Mar-17-11 10:20	
Anions by E300	***Extracted:***								
	Analyzed:	Mar-21-11 10:52		Mar-21-11 10:52		Mar-21-11 10:52		Mar-21-11 10:52	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		512	10.0	765	12.5	434	10.0	778	12.5
TDS by SM2540C	***Extracted:***								
	Analyzed:	Mar-21-11 15:00		Mar-21-11 15:00		Mar-21-11 15:00		Mar-21-11 15:00	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Total dissolved solids		1840	5.00	2560	5.00	1420	5.00	2530	5.00

Brent Barron, II
Odessa Laboratory Manager

XENCO Laboratories

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL 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.

BS / BSD Recoveries

Project Name: Pride Energy Company

Work Order #: 410342 **Project ID:** State 36 #2

Analyst: LATCOR **Date Prepared:** 03/21/2011 **Date Analyzed:** 03/21/2011

Lab Batch ID: 848684 **Sample:** 848684-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

Anions by E300	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.500	10.0	9.91	99	10.0	9.94	99	0	80-120	20	

Analyst: WRU **Date Prepared:** 03/21/2011 **Date Analyzed:** 03/21/2011

Lab Batch ID: 848683 **Sample:** 848683-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

TDS by SM2540C	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total dissolved solids	<5.00	1000	958	96	1000	914	91	5	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 #: 410342
Lab Batch #: 848684
Project ID: State 36 #2
Date Analyzed: 03/21/2011
Date Prepared: 03/21/2011
Analyst: LATCOR
QC- Sample ID: 410286-001 S
Batch #: 1
Matrix: Water
Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	531	200	749	109	80-120	

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

BRL - Below Reporting Limit

XENCO Laboratories

Sample Duplicate Recovery

ACCREDITED IN ACCORDANCE WITH

Project Name: Pride Energy Company

Work Order #: 410342

Lab Batch #: 848684 **Project ID:** State 36 #2

Date Analyzed: 03/21/2011 10:52 **Date Prepared:** 03/21/2011 **Analyst:** LATCOR

QC- Sample ID: 410286-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Anions by E300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	531	517	3	20	

Lab Batch #: 848683

Date Analyzed: 03/21/2011 15:00 **Date Prepared:** 03/21/2011 **Analyst:** WRU

QC- Sample ID: 410286-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	1490	1520	2	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 # 410342

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:	

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_2SO_4	ICE	NONE	DATE	TIME
	MW-1	G	1	X									X		3/17/11	0930
	MW-2	G	1	X									X		3/17/11	1040
	MW-3	G	1	X									X		3/17/11	1000
	MW-4	G	1	X									X		3/17/11	1020

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021B/602	BTEX 8021 B	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids (160.1 or SM2540C)	Chloride / Cl (SM4500 B or 300.1)		Turn Around Time ~ 24 Hours
															X	X		
															X	X		
															X	X		
															X	X		

Relinquished by: Gil Van Deventer	Date: 3/18/11	Time: 1:17	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff) Lisa Murdock	Date: 3-18-11	Time: 1:17

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

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

Sample Condition 3.6°C
Cool: Yes [X] No [ ]
Intact: Yes [X] No [ ]

CHECKED BY: Lisa Murdock
(Initials) LM

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

XENCO Laboratories

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: 8/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Trident Environmental
Date/Time: 3-18-11 1:17
Lab ID #: 410342
Initials: JM

Sample Receipt Checklist

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

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

Analytical Report 421885

for

Trident Environmental

Project Manager: Gil Van Deventer

Pride Energy Company

State 36 # 2

06-JUL-11

Collected By: Client

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 (AZ0765), 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)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories

06-JUL-11

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

Reference: XENCO Report No: **421885**
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 421885. 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. 421885 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

XENCO Laboratories

Sample Cross Reference 421885

Trident Environmental, Midland, TX

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Jun-30-11 14:40		421885-001
MW-2	W	Jun-30-11 15:20		421885-002
MW-3	W	Jun-30-11 10:30		421885-003
MW-4	W	Jun-30-11 14:00		421885-004

CASE NARRATIVE

Client Name: Trident Environmental
Project Name: Pride Energy Company

Project ID:	*State 36 # 2*	*Report Date:*	*06-JUL-11*
Work Order Number:	*421885*	*Date Received:*	*07/01/2011*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Certificate of Analys ummary 421885

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 Co

Date Received in Lab: Fri Jul-01-11 05:05 pm
Report Date: 06-JUL-11
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	421885-001		421885-002		421885-003		421885-004	
	Field Id:	MW-1		MW-2		MW-3		MW-4	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Jun-30-11 14:40		Jun-30-11 15:20		Jun-30-11 10:30		Jun-30-11 14:00	
Anions by E300	***Extracted:***								
	Analyzed:	Jul-05-11 19:10		Jul-05-11 19:10		Jul-05-11 19:10		Jul-05-11 19:10	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		447	100	788	250	426	100	758	250
TDS by SM2540C	***Extracted:***								
	Analyzed:	Jul-05-11 15:30		Jul-05-11 15:30		Jul-05-11 15:30		Jul-05-11 15:30	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Total dissolved solids		1410	5.00	1180	5.00	1310	5.00	1910	5.00

Brent Barron, II
Odessa Laboratory Manager

Final 1.000

XENCO Laboratories

Flagging Criteria

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

LOD Limit of Detection

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

BS / BSD Recoveries

Project Name: Pride Energy Company

Work Order #: 421885 **Project ID:** State 36 # 2

Analyst: BRB **Date Prepared:** 07/05/2011 **Date Analyzed:** 07/05/2011

Lab Batch ID: 862643 **Sample:** 862643-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

Anions by E300	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Chloride	<0.500	10.0	9.33	93	10.0	9.09	91	3	80-120	20	

Analyst: WRU **Date Prepared:** 07/05/2011 **Date Analyzed:** 07/05/2011

Lab Batch ID: 862675 **Sample:** 862675-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

TDS by SM2540C	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	**Blank Sample Result [A]**	**Spike Added [B]**	**Blank Spike Result [C]**	**Blank Spike %R [D]**	**Spike Added [E]**	**Blank Spike Duplicate Result [F]**	**Blk. Spk Dup. %R [G]**	**RPD %**	**Control Limits %R**	**Control Limits %RPD**	**Flag**
Total dissolved solids	<5.00	1000	930	93	1000	944	94	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

Final 1.000

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Pride Energy Company

Work Order #: 421885
Lab Batch #: 862643
Project ID: State 36 # 2
Date Analyzed: 07/05/2011
Date Prepared: 07/05/2011
Analyst: BRB
QC- Sample ID: 421830-001 S
Batch #: 1
Matrix: Water
Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	46.9	500	507	92	80-120	

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

BRL - Below Reporting Limit

XENCO Laboratories

Sample Duplicate Recovery

Project Name: Pride Energy Company

Work Order #: 421885

Lab Batch #: 862643 **Project ID:** State 36 # 2

Date Analyzed: 07/05/2011 19:10 **Date Prepared:** 07/05/2011 **Analyst:** BRB

QC- Sample ID: 421830-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Anions by E300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	46.9	42.1	11	20	

Lab Batch #: 862675

Date Analyzed: 07/05/2011 15:30 **Date Prepared:** 07/05/2011 **Analyst:** WRU

QC- Sample ID: 421830-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	2260	2200	3	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
79765 Tel
(432) 563-1800
Fax (432) 563-1713

Xenco Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 421885

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

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX					PRESERVATIVE METHOD						SAMPLING		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, SO4, CO3, HCO3)	Total Dissolved Solids (160.1 or SM2540C)	Chloride / Cl (SM4500 B or 300.1)		Turn Around Time ~ 24 Hours
				WATER	SOIL	AIR	SLUDGE		HCL (BTEX only)	HNO_3	$NaHSO_4$	H_2SO_4	ICE	NONE	DATE	TIME																			
001	MW-1	G	1	X									X		6/30/11	1440															X	X		
002	MW-2	G	1	X									X		6/30/11	1520															X	X		
003	MW-3	G	1	X									X		6/30/11	1030															X	X		
004	MW-4	G	1	X									X		6/30/11	1400															X	X		

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Gil Van Deventer	7/1/11	5:05 pm			
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff)	Date:	Time:
			Lisa Murdock	7-1-11	5:05

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

REMARKS:

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

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

Sample Condition: 0.4°C — Cool: Yes ☑ / No ☐ — Intact: Yes ☑ / No ☐

CHECKED BY: (Initials) LM

XENCO Laboratories

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: 7-1-11 5:05
Lab ID #: 421885
Initials: AM

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	.4 °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

Final 1.000

Analytical Report 428777

for

Trident Environmental

Project Manager: Gil Van Deventer

Pride Energy Company

State 36 # 2

10-OCT-11

Collected By: Client

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 (AZ0765), 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 Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories

10-OCT-11

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

Reference: XENCO Report No: **428777**
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 428777. 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. 428777 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

XENCO Laboratories

Sample Cross Reference 428777

Trident Environmental, Midland, TX

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	09-29-11 14:00		428777-001
MW-2	W	09-29-11 14:30		428777-002
MW-3	W	09-29-11 15:20		428777-003
MW-4	W	09-29-11 16:00		428777-004

CASE NARRATIVE

Client Name: Trident Environmental
Project Name: Pride Energy Company

Project ID:	*State 36 # 2*	*Report Date:*	*10-OCT-11*
Work Order Number:	*428777*	*Date Received:*	*09/30/2011*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-871721 Anions by E300
E300MI

Batch 871721, Chloride recovered below QC limits in the Matrix Spike.
Samples affected are: 428777-003, -004, -001, -002.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Batch: LBA-871899 TDS by SM2540C
The RPD between the Sample and Sample Duplicate for this batch was above the QC limits.
This is most likely due to sample non-homogeneity (excess particles.)

Certificate of Analysis Summary 428777

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 (

Date Received in Lab: Fri Sep-30-11 03:01 pm
Report Date: 10-OCT-11
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	428777-001		428777-002		428777-003		428777-004	
	Field Id:	MW-1		MW-2		MW-3		MW-4	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Sep-29-11 14:00		Sep-29-11 14:30		Sep-29-11 15:20		Sep-29-11 16:00	
Anions by E300	***Extracted:***								
	Analyzed:	Oct-05-11 23:20		Oct-05-11 23:20		Oct-05-11 23:20		Oct-05-11 23:20	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		453	25.0	616	25.0	439	25.0	662	25.0
TDS by SM2540C	***Extracted:***								
	Analyzed:	Oct-05-11 13:30		Oct-05-11 13:30		Oct-05-11 13:30		Oct-05-11 13:30	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Total dissolved solids		770	5.00	1380	5.00	890	5.00	1180	5.00

Brent Barron II
Odessa Laboratory Manager

Final 1.000

XENCO Laboratories

Flagging Criteria

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

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 **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation.

BS / BSD Recoveries

Project Name: Pride Energy Company

Work Order #: 428777 **Project ID:** State 36 # 2

Analyst: BRB **Date Prepared:** 10/05/2011 **Date Analyzed:** 10/05/2011

Lab Batch ID: 871721 **Sample:** 871721-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

Anions by E300	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.500	10.0	10.3	103	10.0	10.4	104	1	80-120	20	

Analyst: BRB **Date Prepared:** 10/05/2011 **Date Analyzed:** 10/05/2011

Lab Batch ID: 871899 **Sample:** 871899-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

TDS by SM2540C	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total dissolved solids	<5.00	1000	886	89	1000	854	85	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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Pride Energy Company

Work Order #: 428777

Lab Batch #: 871721 **Project ID:** State 36 # 2

Date Analyzed: 10/05/2011 **Date Prepared:** 10/05/2011 **Analyst:** BRB

QC- Sample ID: 428960-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	40.8	100	120	79	80-120	X

Lab Batch #: 871721

Date Analyzed: 10/05/2011 **Date Prepared:** 10/05/2011 **Analyst:** BRB

QC- Sample ID: 428986-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	206	100	407	201	80-120	X

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

BRL - Below Reporting Limit

XENCO Laboratories

Sample Duplicate Recovery

Project Name: Pride Energy Company

Work Order #: 428777

Lab Batch #: 871721 **Project ID:** State 36 # 2

Date Analyzed: 10/05/2011 23:20 **Date Prepared:** 10/05/2011 **Analyst:** BRB

QC- Sample ID: 428986-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

	SAMPLE / SAMPLE DUPLICATE RECOVERY				
Anions by E300 **Analyte**	**Parent Sample Result [A]**	**Sample Duplicate Result [B]**	**RPD**	**Control Limits %RPD**	**Flag**
Chloride	206	206	0	20	

Lab Batch #: 871899

Date Analyzed: 10/05/2011 13:30 **Date Prepared:** 10/05/2011 **Analyst:** BRB

QC- Sample ID: 428777-001 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	770	1240	47	30	F

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 # 428777

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:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE		PRESERVATIVE METHOD: HCL (BTEX only)	HNO_3	$NaHSO_4$	H_2SO_4	ICE	NONE	SAMPLING: DATE	TIME	MTBE 8021B/602	BTEX 8021 B	TPH 418.1/TX1005 / TX1005 Extended (C35)	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	Moisture Content	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	Total Dissolved Solids (160.1 or SM2540C)	Chloride / Cl (SM4500 B or 300.1)		Turn Around Time ~ 24 Hours
01	MW-1	G	1	X									X		9/29/11	1400															X	X		
02	MW-2	G	1	X									X		9/29/11	1430															X	X		
03	MW-3	G	1	X									X		9/29/11	1520															X	X		
04	MW-4	G	1	X									X		9/29/11	1600															X	X		

Relinquished by: Gil Van Deventer	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date: 9/30/11	Time: 3:40 PM	Received By: (Laboratory Staff) Andrea Elam	Date: 9/30/11	Time: 15:01

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

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition 7.0 — Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)

REMARKS:

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

500ml poly

Prelogin / Nonconformance Report - Sample Log-In

Client: Trident Env.
Date/Time: 9.30.11 15:01
Lab ID # : 428777
Initials: AE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	7.0 °C	lbs	°C	lbs	°C	lbs	°C	lbs	°C

Nonconformance Documentation

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

Regarding: _____

_____

Corrective Action Taken:_____

_____

_____

_____

Check all that apply:
- [X] 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
- [X] Client understands and would like to proceed with analysis

Analytical Report 433881

for

Trident Environmental

Project Manager: Gil Van Deventer

Pride Energy Company

State 36 # 2

29-DEC-11

Collected By: Client

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 (AZ0765), 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 Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories

29-DEC-11

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

Reference: XENCO Report No: **433881**
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 433881. 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. 433881 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

XENCO Laboratories

Sample Cross Reference 433881

Trident Environmental, Midland, TX

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	12-20-11 12:30		433881-001
MW-2	W	12-20-11 15:30		433881-002
MW-3	W	12-20-11 13:30		433881-003
MW-4	W	12-20-11 14:30		433881-004

CASE NARRATIVE

XENCO Laboratories

Client Name: Trident Environmental
Project Name: Pride Energy Company

Project ID:	*State 36 # 2*	*Report Date:*	*29-DEC-11*
Work Order Number:	*433881*	*Date Received:*	*12/21/2011*

Sample receipt non conformances and comments:
None

Sample receipt non conformances and comments per sample:

None

Analytical non nonformances and comments:

Batch: LBA-877749 Anions by E300
E300MI

Batch 877749, Chloride recovered above QC limits in the Matrix Spike.
Samples affected are: 433881-002, -001, -003, -004.
The Laboratory Control Sample for Chloride is within laboratory Control Limits

Certificate of Analy ummary 433881

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: Wed Dec-21-11 04:20 pm
Report Date: 29-DEC-11
Project Manager: Brent Barron II

Analysis Requested									
	Lab Id:	433881-001		433881-002		433881-003		433881-004	
	Field Id:	MW-1		MW-2		MW-3		MW-4	
	Depth:								
	Matrix:	WATER		WATER		WATER		WATER	
	Sampled:	Dec-20-11 12:30		Dec-20-11 15:30		Dec-20-11 13:30		Dec-20-11 14:30	
Anions by E300	***Extracted:***								
	Analyzed:	Dec-22-11 14:29		Dec-22-11 14:29		Dec-22-11 14:29		Dec-22-11 14:29	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		527	25.0	579	25.0	494	25.0	623	25.0
TDS by SM2540C SUB: E871002	***Extracted:***								
	Analyzed:	Dec-27-11 07:45		Dec-27-11 07:45		Dec-27-11 07:45		Dec-27-11 07:45	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Total dissolved solids		3810	5.00	2100	5.00	1220	5.00	1600	5.00

Brent Barron II
Odessa Laboratory Manager

XENCO Laboratories

Flagging Criteria

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

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..

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ Outside XENCO's scope of NELAC Accreditation. ^ NELAC or State program does not offer Accreditation at this time.

BS / BSD Recoveries

Project Name: Pride Energy Company

Work Order #: 433881 **Project ID:** State 36 # 2

Analyst: BRB **Date Prepared:** 12/22/2011 **Date Analyzed:** 12/22/2011

Lab Batch ID: 877749 **Sample:** 877749-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

Anions by E300	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	<0.500	10.0	10.8	108	10.0	10.8	108	0	80-120	20	

Analyst: JSO **Date Prepared:** 12/27/2011 **Date Analyzed:** 12/27/2011

Lab Batch ID: 877942 **Sample:** 877942-1-BKS **Batch #:** 1 **Matrix:** Water

Units: mg/L

TDS by SM2540C	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Total dissolved solids	<5.00	1000	958	96	1000	995	100	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

XENCO Laboratories

Form 3 - MS Recoveries

Project Name: Pride Energy Company

Work Order #: 433881

Lab Batch #: 877749 **Project ID:** State 36 # 2

Date Analyzed: 12/22/2011 **Date Prepared:** 12/22/2011 **Analyst:** BRB

QC- Sample ID: 433820-001 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	217	100	343	126	80-120	X

Lab Batch #: 877749

Date Analyzed: 12/22/2011 **Date Prepared:** 12/22/2011 **Analyst:** BRB

QC- Sample ID: 433881-002 S **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Inorganic Anions by EPA 300	MATRIX / MATRIX SPIKE RECOVERY STUDY					
Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Chloride	579	500	1100	104	80-120	

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

BRL - Below Reporting Limit

XENCO Laboratories

Sample Duplicate Recovery

Project Name: Pride Energy Company

Work Order #: 433881

Lab Batch #: 877749 **Project ID:** State 36 # 2

Date Analyzed: 12/22/2011 14:29 **Date Prepared:** 12/22/2011 **Analyst:** BRB

QC- Sample ID: 433820-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

Anions by E300 Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	217	217	0	20	

Lab Batch #: 877942

Date Analyzed: 12/27/2011 07:45 **Date Prepared:** 12/27/2011 **Analyst:** JSO

QC- Sample ID: 433710-033 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	117000	111000	5	30	

Lab Batch #: 877942

Date Analyzed: 12/27/2011 07:45 **Date Prepared:** 12/27/2011 **Analyst:** JSO

QC- Sample ID: 433923-001 D **Batch #:** 1 **Matrix:** Water

Reporting Units: mg/L

TDS by SM2540C Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	3520	4750	30	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 # 433381

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:

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	(G)rab or (C)omp	# CONTAINERS	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL (BTEX only)	HNO_3	$NaHSO_4$	H_2SO_4	ICE	NONE	SAMPLING: DATE	TIME
01	MW-1	G	1	X								X		12/20/11	1230
02	MW-2	G	1	X								X		12/20/11	1530
03	MW-3	G	1	X								X		12/20/11	1330
04	MW-4	G	1	X								X		12/20/11	1430

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, SO4, CO3, HCO3)	Total Dissolved Solids (160.1 or SM2540C)	Chloride / Cl (SM4500 B or 300.1)		Turn Around Time ~ 24 Hours
															X	X		
															X	X		
															X	X		
															X	X		

Relinquished by: [signature]	Date: 12/21/11	Time: 4:30p	Received by:	Date: Time:
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff) Andrea Elam	Date: 12.21.11 Time: 16:21

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

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

Sample Condition: O — Yes / No; Cool: X Yes / No; Intact: X Yes / No

CHECKED BY: (Initials)

REMARKS:

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

XENCO Laboratories	Document Title: Sample Receipt Checklist
XENCO Laboratories Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Miami, Odessa, Philadelphia Phoenix, San Antonio, Tampa	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: 12.21.11 16:20

Lab ID # : 433881

Initials: AE

Sample Receipt Checklist

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

18. Cooler 1 No.		Cooler 2 No.		Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
lbs	(0) °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