AP - 078

2010 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 South Four Lakes #15 Site (AP-78) T12S-R34E-Section 2, Unit Letter G, Lea County, New Mexico

Dear Mr. von Gonten:

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

Groundwater Monitoring Results

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

Summary of Groundwater Monitoring Results (MW-1)

Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl- benzene (mg/L)	Xylene (mg/L)
01/23/08	29.10	4122.05	3,930					
03/13/08	26.25	4124.90	4,150	9,820	< 0.001	< 0.001	< 0.001	<0.003
06/20/08	26.46	4124.69	6,180	12,500				
09/09/08	26.55	4124.60	4,850	9,700	< 0.001	< 0.001	< 0.001	<0.003
12/08/08	26.63	4124.52	5,300	10,400	< 0.001	<0.001	< 0.001	<0.003
03/18/09	26.81	4124.34	5,400	11,000	< 0.001	< 0.001	< 0.001	<0.003
06/17/09	27.01	4124.14	5,700	10,500	< 0.001	< 0.001	< 0.001	<0.003
09/21/09	27.00	4124.15	5,700	10,000	< 0.001	< 0.001	< 0.001	<0.003
12/11/09	26.63	4124.52	5,400	11,000	< 0.001	< 0.001	< 0.001	<0.003
03/24/10	27.18	4123.97	5,300	10,200				
06/15/10	27.26	4123.89	5,300	11,500				
09/13/10	27.33	4123.82	5,400	9,750				
12/13/10	27.44	4123.71	4,340	10,600				
	WQ	QCC Standards:	250	1000	0.10	0.75	0.75	0.62

The constituents of concern in groundwater are chloride and TDS as they remain above the New Mexico's Water Quality Control Commission (WQCC) standards, of 250 mg/L and 1,000 mg/L, respectively. 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

FIGURES

and

WELL SAMPLING DATA FORM

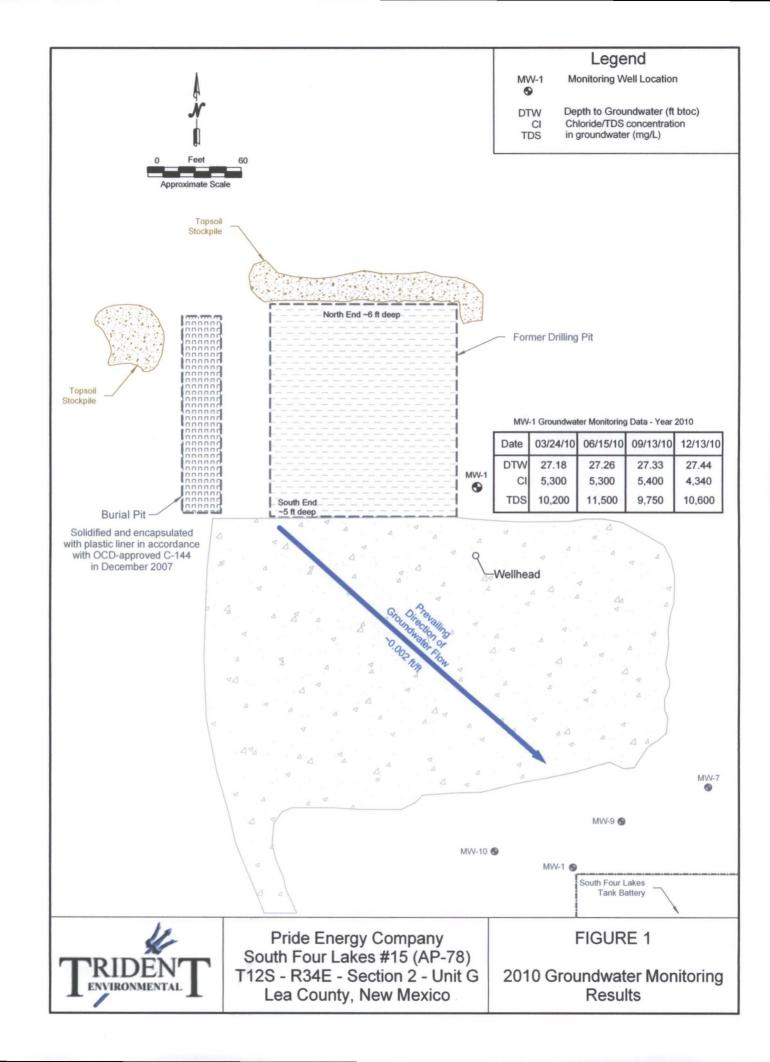
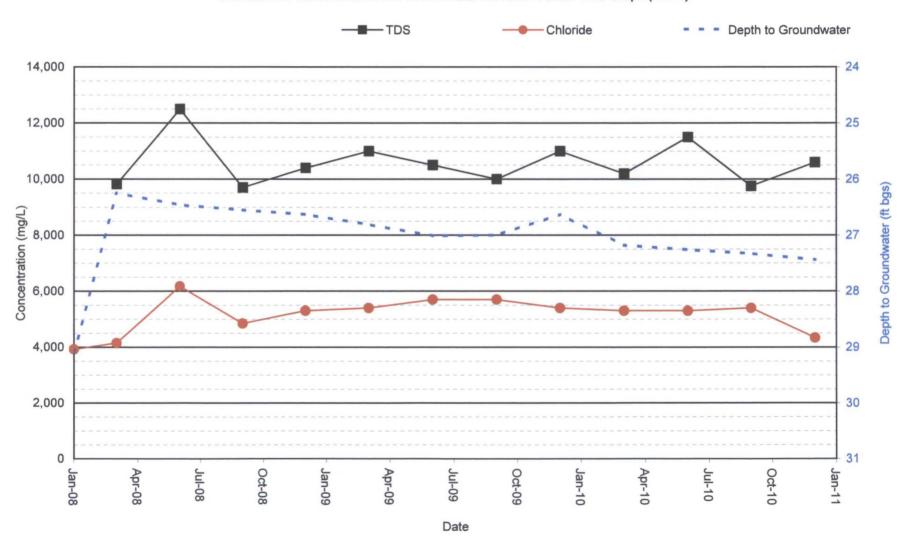


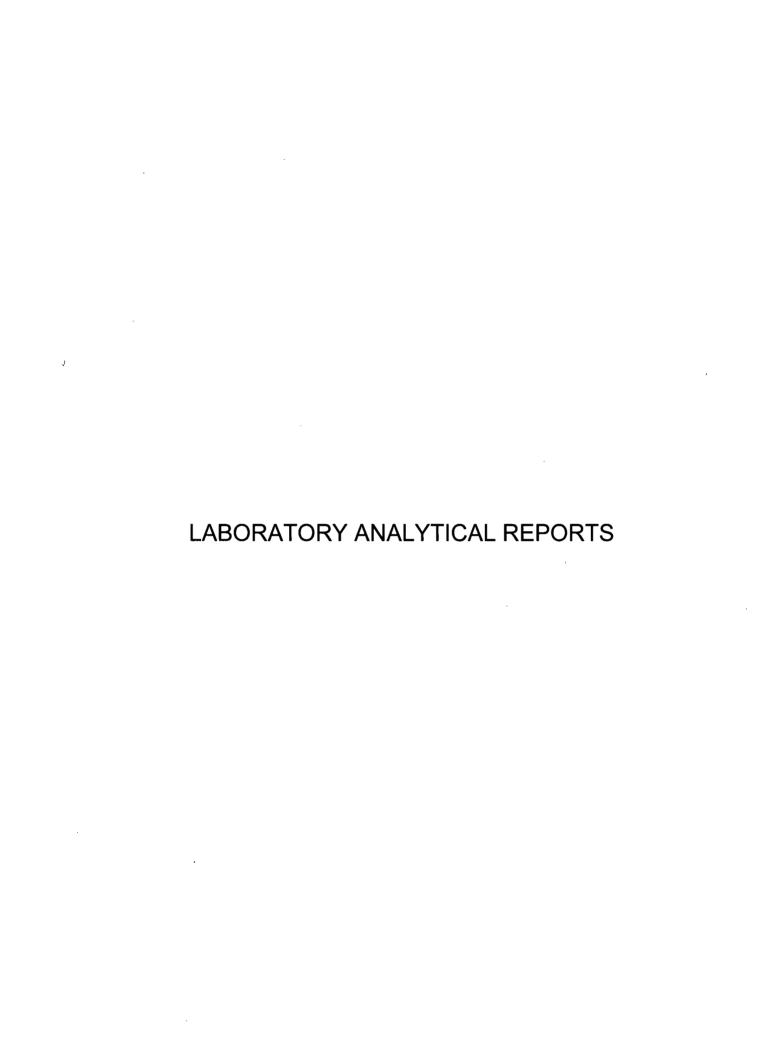
FIGURE 2

Chloride/TDS Concentrations and Groundwater Elevation Versus Time Graph (MW-1)



WELL SAMPLING DATA FORM (MW-1)

CLIEN	: Pride En	ergy Con	npany					1				
SITE NAME	: South Fo	ur Lakes	#15 (A	P-78)								PRIDENT
SITE LOCATION	I: <u>T12S-R3</u>	4E-Sec 2	2 Unit L	etter G	<u>~ Lea C</u>	County	, NM					ENVIRONMENTAL
SAMPLERS	S: <u>Rozanne</u>	Johnson	n (1st, 2	2nd, & 3r	d Qtrs)	and (3il Van D	Deventer	(4th Qt	r)		ENVIRONMENTAL
	PURGING I	METHOD:		Hand Ba	iled	☑ Pu	mp, Type:					
	SAMPLING N	METHOD:	1	Disposal	ole Baile	r 🗀	Direct fro	om Dischar	ge Hose		Other:	
DISPOSAL METHO	D OF PURGE	WATER:		On-site [Orum [Drur	ns	☑ SW D D	isposal F	acility		
Quarter Date	Time	Depth to Water (ft btoc)		Water Column Height (ft)	Well Factor 2"=.16 4"=.65	Calc. Well Vol. (gal)	Volume Purged (gal)	No. of Well Volumes Purged	Temp.	Cond. mS/cm	рН	PHYSICAL APPEARANCE AND REMARKS
First 03/24/1	0 14:55	27.18	49.80	22.62	0.16	3.6	12	3.3	19.5	16.40	6.87	
	<u> </u>											
Second 06/15/1	0 9:55	27.26	49.80	22.54	0.16	3.6	12	3.3	20.0	16.00	6.93	
					•							
Third 09/13/1	0 15:35	27.33	49.80	22.47	0.16	3.6	12	3.3	21.7	15.40	7.11	
	· · · · · · · · · · · · · · · · · · ·			1		·			<u> </u>			
Fourth 12/13/1	0 13:00	27.44	49.80	22.36	0.16	3.6	36	10.1	18.3	16.22	7.00	Silt and sand, then cleared during purge
				-	<u> </u>					<u> </u>		
COMMENTS:	Equipment	decontam	ination c	onsists of	gloves.	Alcono	c. and Dist	tilled Water	Rinse.			
Myron Model 6P (1										nductivity	/. and te	mperature measurements.
Third 09/13/1 Fourth 12/13/1 COMMENTS: Myron Model 6P (1	0 15:35 0 13:00 Equipment st, 2nd, & 3rd	27.33 27.44 decontam	49.80 49.80 ination c	22.47 22.36 onsists of flodel 981	0.16 0.16 gloves, 7	3.6 3.6 Alconomic (4)	36 K, and Dist	3.3 10.1 tilled Water	21.7 18.3 Rinse.	15.40 16.22 nductivity	7.11 7.00 /, and te	Silt and sand, then cleared during purge mperature measurements. Qtr) for chloride, sulfate, and TDS analysis.



Analytical Report 400564

for **Trident Environmental**

Project Manager: Gil Van Deventer

Pride Energy Company

South Four Lakes # 15 (AP-78)

20-DEC-10



Celebrating 20 Years of commitment to excellence in Environmental Testing Services



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

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

Xenco-Atlanta (EPA Lab Code: GA00046):

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

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

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

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

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

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

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

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

Xenco Phoenix (EPA Lab Code: AZ00901):

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

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

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





20-DEC-10

Project Manager: Gil Van Deventer

Trident Environmental

P.O. Box 7624 Midland, TX 79708

Reference: XENCO Report No: 400564

Pride Energy Company

Project Address: T12S-R34E-Sec 2 Unit Letter G - 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 400564. 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. 400564 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 400564



Trident Environmental, Midland, TX

Pride Energy Company

Sample IdMatrixDate CollectedSample DepthLab Sample IdMW-1WDec-13-10 13:00400564-001



CASE NARRATIVE

Client Name: Trident Environmental Project Name: Pride Energy Company



Project ID:

South Four Lakes # 15 (Al

Work Order Number: 400564

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: 400564-001.

The Laboratory Control Sample for Chloride is within laboratory Control Limits

Batch: LBA-835988 TDS by SM2540C



Certificate of Analys Summary 400564

Trident Environmental, Midland, TX

Project Name: Pride Energy Company

Contact: Gil Van Deventer

Project Id: South Four Lakes # 15 (AP-78)

Project Location: T12S-R34E-Sec 2 Unit Letter G - Lea Cou

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

Report Date: 20-DEC-10

Project	Manager:	Brent Barron, II

	Lab Id:	400564-001	
Analysis Danuastad	Field Id:	MW-1	
Analysis Requested	Depth:	`	
	Matrix:	WATER	
	Sampled:	Dec-13-10 13:00	
Anions by E300	Extracted:		
	Analyzed:	Dec-14-10 15:10	
	Units/RL:	mg/L RL	
Chloride		4340 100	
Sulfate		536 100	
TDS by SM2540C	Extracted:		
·	Analyzed:	Dec-14-10 16:00	
	Units/RL:	mg/L RL	
Total dissolved solids		10600 5.00	



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 #: 400564 Analyst: LATCOR

Project ID: South Four Lakes # 15 (AP-78)

Date Prepared: 12/14/2010

Date Analyzed: 12/14/2010

Lab Batch ID: 835912

Sample: 835912-1-BKS

Batch #: 1

Matrix: Water

Units: mg/L		BLAN	K/BLANK	SPIKE / I	BLANK S	PIKE DUPI	LICATE	RECOVE	ERY STUD	Y	
Anions by E300 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
Analytes				1 ' '	()						
Chloride	ND	10.0	9.33	93	10	9.44	94	1	80-120	20	
Sulfate	ND	9.00	8.91	99	9	9.04	100	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		BLAN	K/BLANK	SPIKE / F	BLANK S	PIKE DUPI	LICATE I	RECOVI	ERY STUD	Y	
TDS by SM2540C	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		[B]	[C]	[D]	[E]	Result [F]	[G]				
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 #: 400564

Lab Batch #: 835912

Project ID: South Four Lakes # 15 (AP-78)

Date Analyzed: 12/14/2010

Date Prepared: 12/14/2010

Analyst: LATCOR

QC- Sample ID: 400475-001 S

Batch #: 1

Matrix: Water

•														
Reporting Units: mg/L	MATRIX / MATRIX SPIKE RECOVERY STUDY													
Inorganic Anions by EPA 300 Analytes	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag								
Chloride	129	100	262	133	80-120	Х								
Sulfate	194	90.0	288	104	80-120									

Matrix Spike Percent Recovery [D] = 100*(C-A)/BRelative 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 #: 400564

Lab Batch #: 835912

Project ID: South Four Lakes # 15 (AP-78)

Date Analyzed: 12/14/2010 15:10

Date Prepared: 12/14/2010

Analyst: LATCOR

OC- Sample ID: 400475-001 D

Batch #: 1 Matrix: Water

Reporting Units: mg/L.

SAMPLE / SAMPLE DUPLICATE RECOVERY

Reporting Units: mg/L	SAMPLE / SAMPLE DUFLICATE RECOVERT												
Anions by E300	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag								
Analyte		[B]											
Chloride	129	130	1	20									
Sulfate	194	190	2	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 Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag							
Total dissolved solids	10600	11100	5	30								

Page	1	1
uyc_		

12800 West I-20 East - Odessa TX 797658 Tel Xenco Laboratories								CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																								
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					_ M	ATR	IX		P 		ER ETH		TIVE	SAMP	LING			TPH 418.1/TX1005 / TX1005 Extended (C35)		TO B Material And As Ba Cd Cr Pb Se Hg 6010B/200	TCLP Volatiles	s		GC/MS Vol 8260B/624	GC/MS Semi: Vol. 8270C/625		Cations (Ca, Mg, Na, K)	Anions (CI, SO4, CO3, HCO3)	Total Dissolved Solids (160.1 or SM2540C)	Chloride / Cf (SM4500 B or 300.1) Sulfate / SO4 (375.4)		Turn Around Time ~ 24 Hours
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	LIDO Due Other		Yes Yes (Initials)																													
Sampler -	UPS - Bus - Other:	<u> </u>	No No 7.6°C										500mlpoly																			



XENCO Laboratories

Atlanta, Boca Raton, Corpus Christi, Dallas Houston, Mlami, 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: Itident Linu		•		•		
Date/Time: 12 14 10 12 30						
Lab ID#: 400564						
Initials:						
	mple Receipt C	necki	ist			
1. Samples on ice?			Blue	⊘Watër >	No	
2. Shipping container in good condition?			(Yes)	No	None	
3. Custody seals intact on shipping container (co	oler and bottles?		Yes	No	(N/A)TE	
4. Chain of Custody present?			Yes	No		
5. Sample instructions complete on chain of custo	ody?		Yes	No		
6. Any missing / extra samples?			Yes	(No)		
7. Chain of custody signed when relinquished / re	ceived?		(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	e?		Yes	No		
16. Subcontract of sample(s)?			Yes	No	N/A	
17. VOC sample have zero head space?			Yes	No	(NA)	
18. Cooler 1 No. Cooler 2 No.	Cooler 3 No.		Cooler 4 No.		Cooler 5 No.	
ibs 7.6 °C ibs °C	ibs	ႚင	ibs	°c	lbs	°C
Nonce	onformance Doc	ume	ntation			
Contacted by	·		[Date/Time:_		
Regarding:						
Corrective Action Taken:						
Check all that apply: Cooling process has be condition accepta Initial and Backup Temp Client understands and	ble by NELAC 5.5.8.: erature confirm out	3,1.a.1. of tem	perature con		rature	



September 21, 2010

GIL VAN DEVENTER
TRIDENT ENVIRONMENTAL
P. O. BOX 7624
MIDLAND, TX 79708

RE: SOUTH FOUR LAKES #15

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

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydorcarbons

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

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

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

Negulated \$005 (\$2, \$5)

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received:

09/17/2010

Reported:

Project Name:

SOUTH FOUR LAKES #15

Project Number:

NONE GIVEN

Project Location: T12S-R34E-SEC2 U. LTR. G ~ LEA CTY -

09/21/2010

Sampling Date:

09/13/2010

Sampling Type:

Water

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: MW - 1 (H020875-01)

Chloride, SM4500Cl-B	mg	/L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5400	4.00	09/20/2010	ND	112	112	100	3.64	
Sulfate 375.4	mg	/L	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Sulfate	528	10.0	09/20/2010	ND	39.8	99.5	40.0	5.86	
TDS 160.1	mg	/L	Analyze	d By: HM			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
.us	9750	5.00	09/20/2010	ND				0.978	

Cardinal Laboratories *=Accredited Analyte

unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages





Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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

Clay D. Keine

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Page 4 of 4



ANALYTICAL RESULTS FOR TRIDENT ENVIRONMENTAL ATTN: GIL VAN DEVENTER P.O. BOX 7624

MIDLAND, TX 79708-7624 ... FAX TO: (413) 403-9968

Receiving Date: 06/18/10
Reporting Date: 06/22/10
Sample Type: WATER

Project Number: SOUTH FOUR LAKES #15 Sample Condition: COOL & INTACT @ 1.50C

Project Name: PRIDE ENERGY COMPANY Sample Received By: HM

Project Location: T12S-R34E-SEC2 UNIT LETTER G ~ Analyzed By: HM

LEA CO. NM

LABINO SAMPLETID (mg/L) (mg/L) (mg/L)

Analysis Date:	06/22/10	06/22/10	06/21/10
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Relative Percent Difference	₹0.1		9.3

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Not accredited for chloride, sulfate and TDS

Chemist

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ANALYTICAL RESULTS FOR TRIDENT ENVIRONMENTAL ATTN: GIL VAN DEVENTER

P.O. BOX 7624

MIDLAND, TX 79708-7624 FAX TO: (413) 403-9968

Receiving Date: 03/29/10 Reporting Date: 03/30/10

Sampling Date: 03/24/10 Sample Type: WATER

Project Number: SOUTH FOUR LAKES #15

Sample Condition: COOL & INTACT @ -1°C

Project Name: PRIDE ENERGY COMPANY

Sample Condition: COOL & INTACT @ -1 C

Project Location: T12S-R34E-SEC2 UNIT LETTER G ~

Sample Received By: JH Analyzed By: SJ/HM

LEA CO., NM

CI  $SO_4$  TDS LAB NO. SAMPLE ID (mg/L) (mg/L) (mg/L)

Analysis Date:	03/29/10	03/29/10	03/29/10
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Quality Control	500	38.7	NR
True Value QC	500	40.0	NR
% Recovery	100	96.7	NR
Relative Percent Difference	< 0.1	17.0	6.2

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METHOD: Standard Methods, EPA	4500-Cl ⁻ B	275 1	160 1
INETITOD. Standard Methods, EPA	4300-0161	3/3.4	100.1
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Date

H19557 TRIDENT

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	Sec2 Unit Letter C - Lee Cour	nhi N	Sampler Signature: Rozanne Johnson (575)631-931 y - New Mexico //rozanne@valornet.com														TPH 418.1/TX1005 / TX1005 Extended (C35)		8	8			[		δί			BOD, TSS, pH		হ	1	Total Dissolved Solids (160.1 / SM2540C)	8	ह	
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