

AP-078

Annual Report

DATE:
2010

January 13, 2010



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: Annual Report for the South Four Lakes #15 Site (AP-78)
T12S-R34E-Section 2, Unit Letter G, Lea County, New Mexico**

Dear Glenn:

As agent for Pride Energy Company (Pride), Trident Environmental submits this Annual Report to update the New Mexico Oil Conservation Division (NMOCD) of activities and ongoing investigations at the above referenced site. Below is a chronological list of site activity.

December 10, 2007	Revised C-144 pit closure form approved by NMOCD (Elke Environmental)
January 8, 2008	Pit closure completed in accordance with NMOCD-approved C-144 (drilling pit contents solidified, encapsulated with plastic liner, and buried by Elke Env.)
January 8-21, 2008	Initial soil and groundwater sampling activities (Elke Environmental)
January 30, 2008	C-141 release notification form submitted (Elke Environmental)
February 12, 2008	NMOCD requires submission of Abatement Plan (AP-78)
April 7, 2008	Investigation and Remediation Plan (IRP) submitted to NMOCD
April 16, 2008	NMOCD verbally acknowledges IRP satisfies Abatement Plan requirements
May 29, 2008	Soil boring program initiated to define vertical and horizontal extent of impairment to groundwater (B-1, B-2, B-3, B-4, and MW-1)
October 1, 2008	Stage 2 Abatement Plan submitted to NMOCD
March 6, 2009	Stage 1 Abatement Plan administratively approved by NMOCD
March 20, 2009	Written notice for Stage 1 Abatement Plan sent to interested parties
March 24, 2009	Public notice for Stage 1 Abatement Plan published.
April 23, 2009	End of public notice period for Stage 1 Abatement Plan

The Stage 1 Abatement Plan is pending NMOCD approval (public notice period ended). Based on the findings of soil and groundwater investigations proposed in the Stage 1 Abatement Plan, the following work elements were proposed in the Stage 2 Abatement Plan:

- Installation of a recovery well (RW-1)
- Evaluation of aquifer test data to determine groundwater velocity, hydraulic conductivity, and potential well yields
- Implementation of an on-demand, pump-and-use groundwater restoration program
- Submission of an annual report with a recommendation for a natural restoration/monitoring groundwater remedy, or continuation of a pump-and-use groundwater restoration strategy
- Construction of an infiltration barrier (drilling pit closure plan)

The Stage 2 Abatement Plan is pending NMOCD administrative approval and public notice requirements.

Groundwater Monitoring Results

Groundwater monitoring activities have been performed at the site on a quarterly basis since January 2008 as summarized in Table 1 below. A site plan showing the recent ground water 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.

Table 1: Summary of Groundwater Monitoring Results (MW-1)

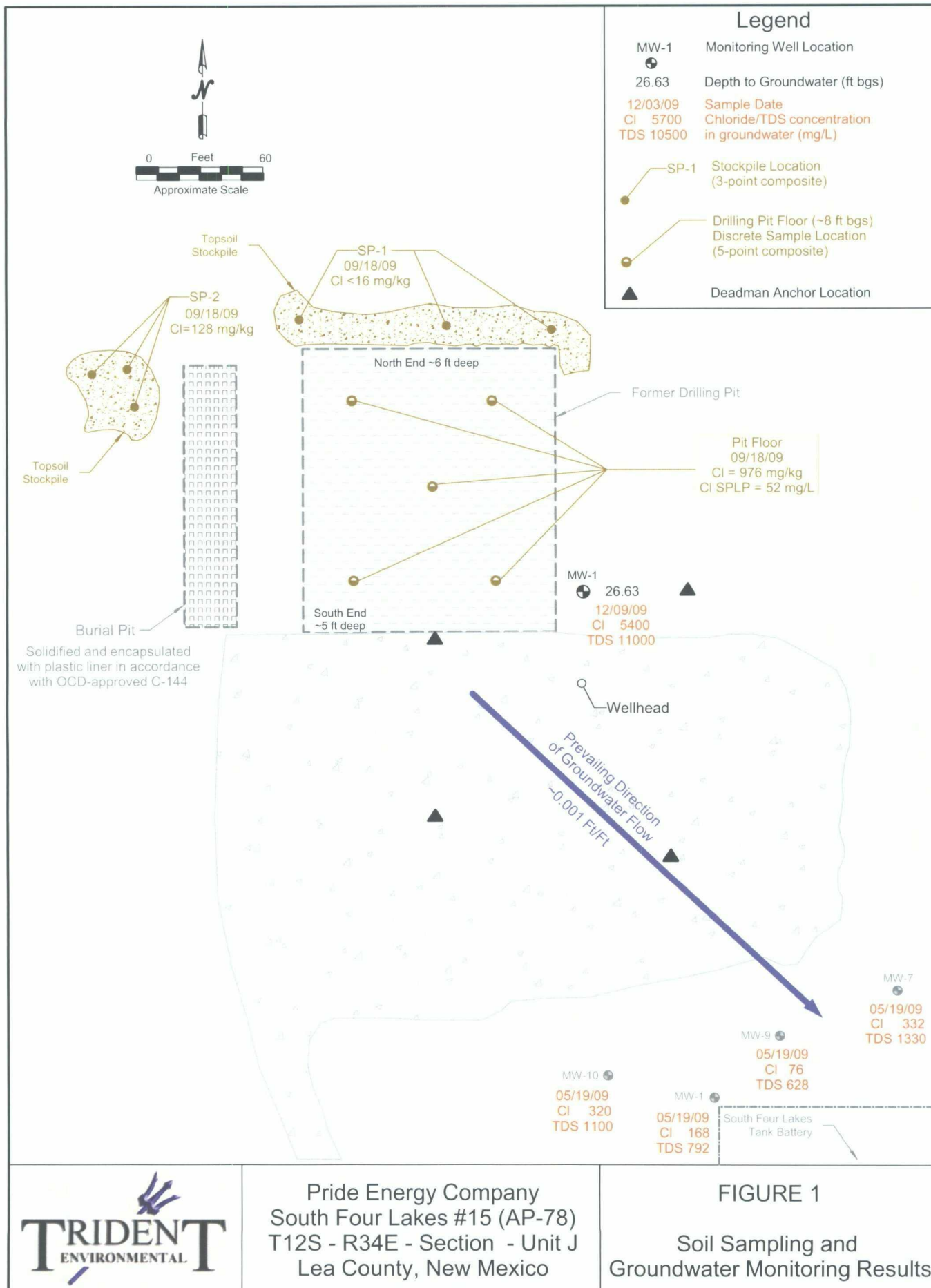
Sample Date	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)	Chloride (mg/L)	TDS (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
01/23/08	29.10	4122.05	3,930	---	---	---	---	---
03/13/08	26.25	4124.90	4,150	9,820	<0.001	<0.001	<0.001	<0.003
06/20/08	26.46	4124.69	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
12/09/09	26.63	4124.52	5,400	11,000	<0.001	<0.001	<0.001	<0.003
<i>WQCC Standards:</i>			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) concentrations have been below laboratory detection limits and WQCC standards during the past two years; therefore, analysis for these constituents will be suspended, unless directed otherwise by the NMOCD. Quarterly ground water sampling and monitoring will continue.

Drilling Pit Excavation Closure Plan

To further prepare for implementation of the vadose zone remedy, as proposed in the Stage 2 Abatement Plan, a 5-point composite soil sample was collected on September 18, 2009 from the floor of the drilling pit (8 feet below ground surface) for analysis of chloride concentrations. Chloride concentration at the drilling pit floor is 976 mg/kg (method 4500-Cl-B) and 52 mg/L (method SPLP 1312/4500-Cl-B).

To confirm the suitability of stockpiled soil to be used as backfill material for the proposed vadose zone remedy, 3-point composite soil samples of the two existing stockpiles were also collected and analyzed for chloride content. The chloride concentrations in soil pile SP-1 (<16 mg/kg) and SP-2 (128 mg/kg) are at background concentrations and will support revegetation efforts. Soil from the drilling pit floor, mixed with stockpiled soil to reduce the chloride concentration, then capped with an infiltration barrier, will effectively abate any threat to ground water.

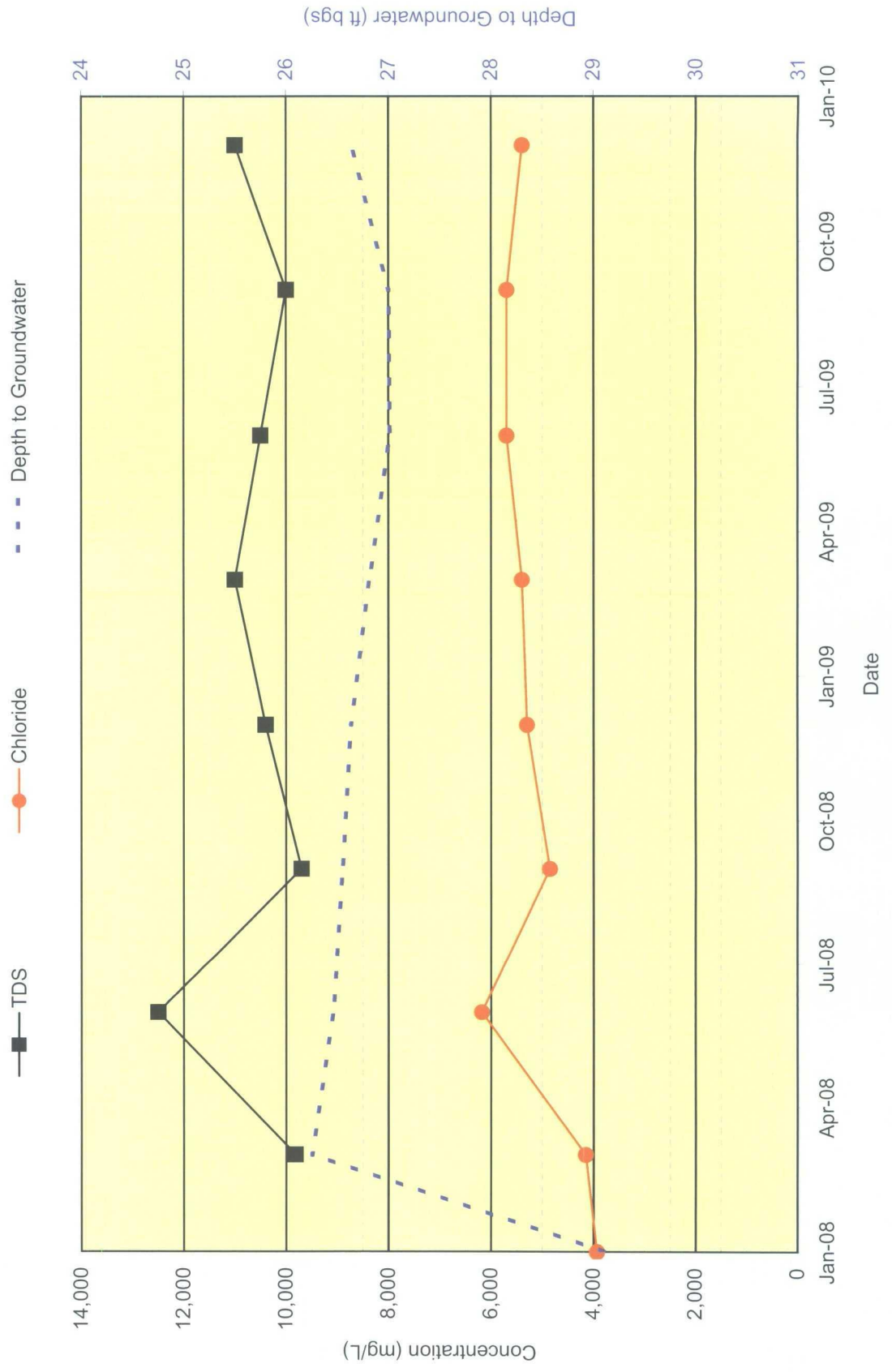


Pride Energy Company
South Four Lakes #15 (AP-78)
T12S - R34E - Section - Unit J
Lea County, New Mexico

FIGURE 1
Soil Sampling and
Groundwater Monitoring Results

FIGURE 2

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



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,

A handwritten signature in black ink, appearing to read 'Gilbert Van Deventer', with a stylized flourish at the end.

Gilbert Van Deventer, REM, PG
Trident Environmental

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

Attachments: *Laboratory analytical reports and chain of custody documentation*

ATTACHMENT A

Laboratory Analytical Reports

And

Chain of Custody Documentation



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

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

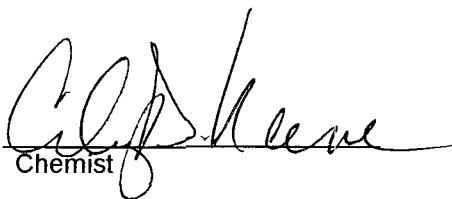
Receiving Date: 12/16/09
Reporting Date: 12/17/09
Project Number: SOUTH FOUR LAKES #15
Project Name: PRIDE ENERGY COMPANY
Project Location: T12S-R34E-SEC2 UNIT LETTER G ~
LEA COUNTY - NEW MEXICO

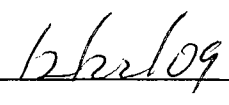
Sampling Date: 12/11/09
Sample Type: WATER
Sample Condition: COOL & INTACT @ 1.5°C
Sample Received By: CK
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/L)	SO ₄ (mg/L)	TDS (mg/L)
Analysis Date:		12/16/09	12/16/09	12/16/09
H18890-1	MW-1	5,400	499	11,000
Quality Control		500	38.2	NR
True Value QC		500	40.0	NR
% Recovery		100	95.4	NR
Relative Percent Difference		< 0.1	1.6	5.6

METHOD: Standard Methods, EPA	4500-Cl ⁻ B	375.4	160.1
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Not accredited for Chloride, Sulfate and TDS.


Chemist


Date

H18890 Trident

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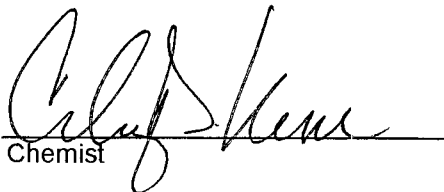
ANALYTICAL RESULTS FOR
TRIDENT ENVIRONMENTAL
ATTN: GIL VAN DEVENTER
P.O. BOX 7624
MIDLAND, TX 79708-7624
FAX TO: (413) 403-9968

Receiving Date: 12/16/09 Sampling Date: 12/11/09
Reporting Date: 12/18/09 Sample Type: WATER
Project Number: SOUTH FOUR LAKE #15 Sample Condition: COOL & INTACT @ 1.5°C
Project Name: PRIDE ENERY COMPANY Sample Received By: CK
Project Location: T12S-R34E-SEC2 UNIT LETTER G ~ Analyzed By: ZL
LEA COUNTY - NM

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		12/17/09	12/17/09	12/17/09	12/17/09
H18890-1	MW-1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.050	0.047	0.047	0.144
True Value QC		0.050	0.050	0.050	0.150
% Recovery		100	94.0	94.0	96.0
Relative Percent Difference		6.9	8.3	7.5	8.2

METHOD: EPA SW-846 8021 B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist

12/22/09
Date

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101 East Marland - Hobbs, New Mexico 88240
Tel (575) 393-2326
Fax (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST LAB Order ID # _____		ANALYSIS REQUEST (Circle or Specify Method No.)	
Company Name: Trident Environmental Project Manager: Gil Van Deventer / Trident Environmental Address: (Street, City, Zip) P. O. Box 7624 ~ Midland, Texas 79708-7624 Phone #: (432) 638-8740 Fax #: (413) 403-9968		BILL TO Company: Pride Energy Company / Matt Pride Address: (Street, City, Zip) P. O. Box 710950 ~ Tulsa, OK 74170-1950 Phone #: (918) 524-9200 Fax #: (918) 524-9292	
Project Location: T12S-R34E-Sec2 Unit Letter G ~ Lea County - New Mexico Sampler Signature: <i>Rozanne Johnson</i> (575) 631-9310 Sampler Email: rozanne@valornet.com		Project Name: Pride Energy Company South Four Lakes #15	
LAB # (LAB USE ONLY) 412890-1 abc	FIELD CODE MW-1	MATRIX WATER SOIL AIR SLUDGE	PRESERVATIVE METHOD HCL (2.40ml VOA) HNO ₃ NaHSO ₄ H ₂ SO ₄ ICE (1-Liter HDPE) NONE
# CONTAINERS 3	DATE (2009) 12-11 11:20	TIME 12-11 11:20	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 PCB's 8082/608 Pesticides 8081A/608 BOD, TSS, pH Moisture Content Anions (Cl, SO ₄ , CO ₃ , HCO ₃) Cations (Ca, Mg, Na, K) Sulfates Total Dissolved Solids (160.1 / SM2540C) Chlorides (325.3 / SM4500 B) Turn Around Time ~ 24 Hours
Relinquished by: <i>Rozanne Johnson</i> Date: 12-16-2009 Time: 7:00 Relinquished by: <i>Rozanne Johnson</i> Date: 12-16-2009 Time: 7:00 Delivered by: <i>Rozanne Johnson</i> Date: 12-16-09 Time: 9:00 Delivered by: <i>Rozanne Johnson</i> Date: 12-16-09 Time: 9:00		Received by: <i>Rozanne Johnson</i> Date: 12-16-2009 Time: 7:00 Received by: <i>Rozanne Johnson</i> Date: 12-16-2009 Time: 7:00 Received by: <i>Rozanne Johnson</i> Date: 12-16-09 Time: 9:00 Received by: <i>Rozanne Johnson</i> Date: 12-16-09 Time: 9:00	
Sample Condition Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: <i>Capk</i> (Initials)	
Sampler - UPS - Bus - Other: <i>150</i>		REMARKS: Email Results to: gil@trident-environmental.com matt@pride-energy.com rozanne@valornet.com	

476



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

Receiving Date: 09/24/09

Reporting Date: 09/29/09

Project Number: SOUTH FOUR LAKES #15

Project Name: PRIDE ENERGY COMPANY

Project Location: T12S-R34E-SEC2 UNIT LETTER G ~
LEA COUNTY - NEW MEXICO

Sampling Date: 09/21/09

Sample Type: WATER

Sample Condition: COOL & INTACT @ 1.5°C

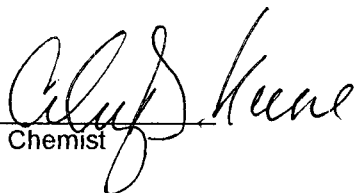
Sample Received By: ML

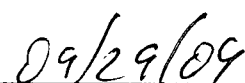
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/L)	SO ₄ (mg/L)	TDS (mg/L)
Analysis Date:		09/26/09	09/29/09	09/25/09
H18309-1	MW-1	5,700	568	10,000
Quality Control		500	36.9	NR
True Value QC		500	40.0	NR
% Recovery		100	92.4	NR
Relative Percent Difference		< 0.1	0.3	< 0.1

METHOD: Standard Methods, EPA	4500-ClB	375.4	160.1
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Not accredited for Chloride, Sulfate and TDS.


Chemist


Date

H18309 Trident

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

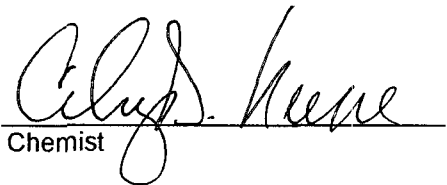
Receiving Date: 09/24/09
Reporting Date: 09/28/09
Project Number: SOUTH FOUR LAKES #15
Project Name: PRIDE ENERY COMPANY
Project Location: T12S-R34E-SEC2 UNIT LETTER G ~
LEA COUNTY - NM

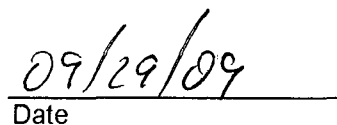
Sampling Date: 09/21/09
Sample Type: WATER
Sample Condition: COOL & INTACT @ 1.5°C
Sample Received By: ML
Analyzed By: ZL/CK

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		09/24/09	09/24/09	09/24/09	09/24/09
H18309-1	MW-1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.049	0.046	0.049	0.161
True Value QC		0.050	0.050	0.050	0.150
% Recovery		98.0	92.0	98.0	107
Relative Percent Difference		1.2	0.9	1.4	1.2

METHOD: EPA SW-846 8021 B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST		LAB Order ID # _____	
Company Name: Trident Environmental Project Manager: Gil Van Deventer / Trident Environmental Address: (Street, City, Zip) P. O. Box 7624 ~ Midland, Texas 79708-7624 Phone #: (918) 524-9200 Fax #: (918) 524-9292		PO# Pride Energy Company / Matt Pride Address: (Street, City, Zip) P. O. Box 710950 ~ Tulsa, OK 74170-1950 Phone#: (918) 524-9200 Fax#: (918) 524-9292	
Project #: (432) 638-8740 Project Name: South Four Lakes #15		Project Name: Pride Energy Company Sampler Signature: <i>Rozanne Johnson</i> (575) 631-9310 Address: <i>rozanne@valornet.com</i>	
Project Location: T12S-R34E-Sec2 Unit Letter G ~ Lea County - New Mexico		Matrix: WATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> AIR <input type="checkbox"/> SLUDGE <input type="checkbox"/>	
FIELD CODE MW-1		PRESERVATIVE METHOD HCL (2 40ml VOA) <input checked="" type="checkbox"/> HNO ₃ <input type="checkbox"/> NaHSO ₄ <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> ICE (1-1LITER HDPE) <input type="checkbox"/> NONE <input type="checkbox"/>	
LAB # (LAB USE ONLY) H18309-1		DATE (2009) 9-21 11:35	
CONTAINERS (G)rab or (C)omp <input checked="" type="checkbox"/>		TIME 11:35	
ANALYSIS REQUEST (Circle or Specify Method No.)		REMARKS:	
TPH 418.1/TX1005 / TX1005 Extended (C35) <input type="checkbox"/> PAH 8270C <input type="checkbox"/> Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7 <input type="checkbox"/> TCLP Metals Ag As Ba Cd Cr Pb Se Hg <input type="checkbox"/> TCLP Volatiles <input type="checkbox"/> TCLP Semi Volatiles <input type="checkbox"/> TCLP Pesticides <input type="checkbox"/> RCI <input type="checkbox"/> GC/MS Vol. 8260B/624 <input type="checkbox"/> GC/MS Semi. Vol. 8270C/625 <input type="checkbox"/> PCB's 8082/608 <input type="checkbox"/> Pesticides 8081A/608 <input type="checkbox"/> BOD, TSS, pH <input type="checkbox"/> Moisture Content <input type="checkbox"/> Anions (Cl, SO ₄ , CO ₃ , HCO ₃) <input type="checkbox"/> Cations (Ca, Mg, Na, K) <input type="checkbox"/> Sulfates <input type="checkbox"/> Total Dissolved Solids (160.1 / SM2540C) <input type="checkbox"/> Chlorides (325.3 / SM4500 B) <input type="checkbox"/> Turn Around Time ~ 24 Hours <input type="checkbox"/>		Phone Results <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Fax Results <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Additional Fax Number: _____	
Relinquished by: <i>Rozanne Johnson</i> Date: 9-24-2009 Time: _____ Received by: <i>Matt Pride</i> Date: 9/24/09 Time: 11:20 Relinquished by: _____ Date: _____ Time: _____ Received by: (Laboratory Staff) Date: _____ Time: _____		Delivered By: (Circle One) (Sampler) - UPS - Bus - Other: 150 Sample Condition: Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
Checked By: <i>MCB</i> (Initials)		Email Results to: gil@trident-environmental.com matt@pride-energy.com rozanne@valornet.com	



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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: 06/18/09

Reporting Date: 06/22/09

Project Number: SOUTH FOUR LAKES #15

Project Name: PRIDE ENERGY COMPANY

Project Location: T12S-R34E-SEC2 UNIT LETTER G~
LEA CO., NM

Sampling Date: 06/17/09

Sample Type: WATER

Sample Condition: COOL & INTACT @ 5°C

Sample Received By: AB

Analyzed By: AB/HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/L)	SO ₄ (mg/L)	TDS (mg/L)
---------	-----------	---------------------------	---------------------------	---------------

Analysis Date:	06/19/09	06/19/09	06/19/09
H17658-1 MW-1	5,700	568	10,500
Quality Control	500	40.4	NR
True Value QC	500	40.0	NR
% Recovery	100	101	NR
Relative Percent Difference	<0.1	1.7	3.2

METHOD: Standard Methods, EPA	4500-Cl ⁻ B	375.4	160.1
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Not accredited for chloride, sulfate and TDS.

Chemist

Date

H17658 TRIDENT

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

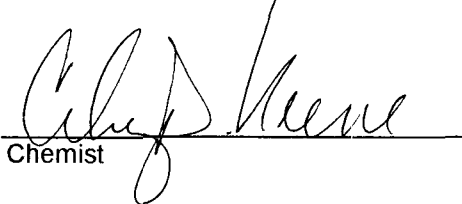
Receiving Date: 06/18/09
Reporting Date: 06/23/09
Project Number: SOUTH FOUR LAKES #15
Project Name: PRIDE ENERY COMPANY
Project Location: T12S-R34E-SEC2, UNIT LETTER G
LEA COUNTY, NM

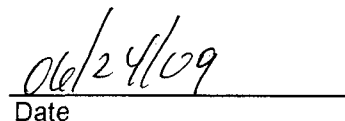
Sampling Date: 06/17/09
Sample Type: WATER
Sample Condition: COOL & INTACT
@ 5°C
Sample Received By: AB
Analyzed By: ZL

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		06/22/09	06/22/09	06/22/09	06/22/09
H17658-1	MW-1	<0.001	<0.001	<0.001	<0.003
Quality Control		0.047	0.046	0.046	0.137
True Value QC		0.050	0.050	0.050	0.150
% Recovery		94.0	92.0	92.0	91.3
Relative Percent Difference		<1.0	<1.0	<1.0	<1.0

METHOD: EPA SW-846 8021 B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date

Cardinal Laboratories, Inc.

101 East Marland - Hobbs, New
Mexico 88240
Tel (575) 393-2326
Fax (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #


Company Name: Trident Environmental	BILL TO Company:	PO#
Project Manager: Gil Van Deventer / Trident Environmental	Pride Energy Company / Matt Pride	
Address: (Street, City, Zip) P. O. Box 7624 ~ Midland, Texas 79708-7624	Address: (Street, City, Zip) P. O. Box 710950 ~ Tulsa, OK 74170-1950	
Phone #: (432) 638-8740	Phone #: (918) 524-9200	Fax #: (918) 524-9292
	(413) 403-9968	
Project #: South Four Lakes #15	Project Name: Pride Energy Company	

Sampler Signature: // Rozanne Johnson (575) 631-9310

T12S-R34E-Sec2 Unit Letter G ~ Lea County - New Mexico

[illegible]

Relinquished by: <i>Attorney</i>	Date: <i>6-18</i>	Time: <i>09 13:51</i>	Received by: <i>ETB</i>	Date: <i>6/18/09</i>	Time: <i>13:55</i>
Relinquished by: <i>Attorney</i>	Date: <i>6-18</i>	Time: <i>09 13:51</i>	Received By: (Laboratory Staff)	Date: <i>6/18/09</i>	Time: <i>13:55</i>

Delivered By: (Circle One) UPS - Bus - Other: #76	Sample Condition Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CHECKED BY: 
--	--	--

ANALYSIS REQUEST

(Circle or Specify Method No.)

[illegible]

Phone Results	Yes	No
Fax Results	Yes	No
REMARKS:		

Email Results to:

gill@trident-environmental.com
mattp@pride-energy.com
rozanne@valornet.com



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

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

Receiving Date: 03/19/09
Reporting Date: 03/23/09
Project Number: SOUTH FOUR LAKES #15
Project Name: PRIDE ENERGY COMPANY
Project Location: T12S-R34E-SEC2 UNIT LETTER G ~
LEA CO., NM

Sampling Date: 03/18/09
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM/TR

LAB NUMBE SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:	03/23/09	03/20/09	03/23/09	03/20/09	03/26/09	03/20/09
H17093-1 MW-1	2,470	962	158	7.7	14,200	192
Quality Control	NR	48.1	51.0	2.76	1,441	NR
True Value QC	NR	50.0	50.0	3.00	1,413	NR
% Recovery	NR	96.2	102	91.9	102	NR
Relative Percent Difference	NR	<0.1	<0.1	2.9	1.0	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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	Cl (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	03/20/09	03/20/09	03/20/09	03/20/09	03/20/09	03/20/09
H17093-1 MW-1	5,400	611	0	234	7.37	11,000
Quality Control	500	41.8	NR	976	7.03	NR
True Value QC	500	40.0	NR	1000	7.00	NR
% Recovery	100	105	NR	97.6	100	NR
Relative Percent Difference	< 0.1	4.7	NR	2.4	2.3	0.6

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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Chemist

Date

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

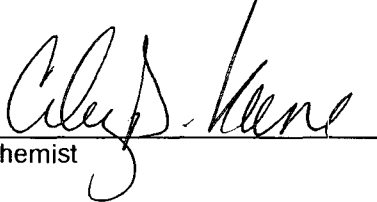
Receiving Date: 03/19/09
Reporting Date: 03/23/09
Project Number: SOUTH FOUR LAKES #15
Project Name: PRIDE ENERGY COMPANY
Project Location: T12S-R34E-SEC2 UNIT LETTER G
~ LEA CO., NM

Sampling Date: 03/18/09
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL

LAB NUMBER SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE	03/20/09	03/20/09	03/20/09	03/20/09
H17093-1 MW-1	<0.001	<0.001	<0.001	<0.003
Quality Control	0.049	0.050	0.049	0.149
True Value QC	0.050	0.050	0.050	0.150
% Recovery	98.0	100	98.0	99.3
Relative Percent Difference	3.6	3.3	3.0	3.3

METHOD: EPA SW-846 8021 B

TEXAS NELAP ACCREDITATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.


Chemist


Date

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Cardinal Laboratories, Inc.

101 East Marland - Hobbs, New
Mexico 88240
Tel (575) 393-2326
Fax (575) 393-2476

Company Name:		BILL TO	Company:	PO#
Trident Environmental		Pride Energy Company / Matt Pride		
Project Manager:		(Street, City, Zip)		
Gil Van Deventer / Trident Environmental		P. O. Box 710950 ~ Tulsa, OK 74170-1950		
Address:		Phone#:		
(Street, City, Zip)		(918) 524-9200		
P. O. Box 7624 ~ Midland, Texas 79708-7624		Fax#:		
Phone #:		(918) 524-9292		
(432) 638-8740		(413) 403-9968		
Project #:		Project Name:		
South Four Lakes #15		Pride Energy Company		

Sampler Signature: Rozanne Johnson (575)631-9310

rozanne@valornet.com

T12S-R34E-Sec2 Unit Letter G ~ Lea County - New Mexico

[illegible]

Relinquished by: <u>Rozanne Appison</u>	Date: <u>3/19/09</u>	Time: <u>7:00</u>												
Relinquished by: <u>Patricia Watkins</u>	Date: <u>3/19/09</u>	Time: <u>14:35</u>												
Delivered By: (Circle One)														
Received by: <u>Patricia Watkins</u>	Date: <u>3/19/09</u>	Time: <u>7:01</u>												
Received By: (Laboratory Staff) <u>Patricia Watkins</u>	Date: <u>3/19/09</u>	Time: <u>2:30</u>												
Sample Condition	CHECKED BY:													
<table border="1"> <tr> <td>Yes</td> <td><input checked="" type="checkbox"/></td> <td>Cool</td> <td><input checked="" type="checkbox"/></td> <td>Intact</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>No</td> <td><input type="checkbox"/></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Yes	<input checked="" type="checkbox"/>	Cool	<input checked="" type="checkbox"/>	Intact	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>					(Initials) <u>UPSB</u>	
Yes	<input checked="" type="checkbox"/>	Cool	<input checked="" type="checkbox"/>	Intact	<input checked="" type="checkbox"/>									
No	<input type="checkbox"/>													
Sampler - UPS - Bus - Other:														

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

ANALYSIS REQUEST
(Circle or Specify Method No.)[illegible]

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

REMARKS:

Email Results to:

gil@trident-environmental.com
matt@pride-energy.com
rozanne@valornet.com



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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: 09/24/09
Reporting Date: 09/25/09
Project Number: SOUTH FOUR LAKES #15
Project Name: PRIDE ENERGY COMPANY
Project Location: T12S, R34E, SEC 2, UNIT G,
LEA COUNTY, NM

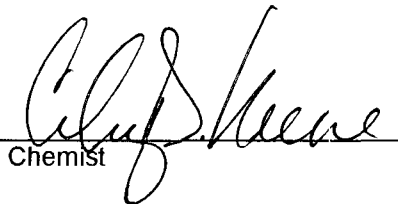
Analysis Date: 09/25/09
Sampling Date: 09/18/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 1.5°C
Sample Received By: ML
Analyzed By: HM

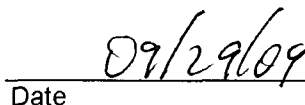
LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H18324-1	SP-1	< 16
H18324-2	SP-2	128
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		2.0

METHOD: Standard Methods

4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

H18324 Trident Environmental

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ATTN: GIL VAN DEVENTER
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MIDLAND, TX 79708-7624
FAX TO: (413) 403-9968


Receiving Date: 09/24/09
Reporting Date: 10/01/09
Project Number: SOUTH FOUR LAKES #15
Project Name: PRIDE ENERGY COMPANY
Project Location: T12S, R34E, SEC 2, UNIT G,
LEA COUNTY, NM

Analysis Date: 10/01/09
Sampling Date: 09/18/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 1.5°C
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H18324-3	PIT FLOOR (8' BGS)	976
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-Cl ⁻ B
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Note: Analysis performed on a 1:4 w:v aqueous extract.


Cheryl Keene
Chemist


Date

H18324Cl Trident Environmental

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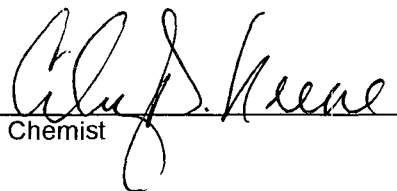
ANALYTICAL RESULTS FOR
TRIDENT ENVIRONMENTAL
ATTN: GIL VAN DEVENTER
P.O. BOX 7624
MIDLAND, TX 79708-7624
FAX TO: (413) 403-9968

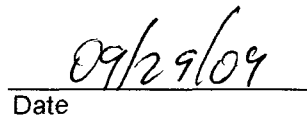
Receiving Date: 09/24/09
Reporting Date: 09/29/09
Project Number: SOUTH FOUR LAKES #15
Project Name: PRIDE ENERGY COMPANY
Project Location: T12S, R34E, SEC 2, UNIT G,
LEA COUNTY, NM

Analysis Date: 09/29/09
Sampling Date: 09/18/09
Sample Type: SOIL
Sample Condition: COOL & INTACT @ 1.5°C
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	SPLP Cl ⁻ (mg/L)
H18324-3	PIT FLOOR (8' BGS)	52
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	1312 / 4500-Cl ⁻ B
--------------------------	-------------------------------


Chemist


Date

H18324SPLP Trident Environmental

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#26