1R-501

Pride Energy
State 36 #2

Annual Report
2013

Delivery Confirmation No.

9405 5118 9956 0661 3474 07

TRIDENT ENVIRONMENTAL

March 24, 2014

Mr. Jim Griswold
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: 2013 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 *2013 Annual Groundwater Monitoring Report* for the above-referenced site.

Groundwater Sampling Procedures

During each quarterly sampling event the four monitoring wells (MW-1, MW-2, MW-3, and MW-4) were gauged for depth to groundwater using an electronic water level indicator immediately prior to purging operations. A minimum of three well volumes of groundwater was purged from each monitoring well using a 3-stage submersible pump which was decontaminated using an Alconox solution and a distilled water rinse between sampling points. Groundwater parameters (pH, temperature, and conductivity) were measured using a Hanna Model 98130 multimeter and recorded on a well sample data form. At the end of purging, water samples for each monitoring well were transferred into 500 milliliter (ml) plastic containers for laboratory analysis of chloride using EPA Method E300.1 and TDS using EPA Method 160.1. For each set of samples, chain of custody forms documenting sample identification numbers, collection times, and delivery times to the laboratory were completed. All water samples were placed in an ice-filled cooler immediately after collection and transported to Permian Basin Environmental Lab (Midland, Texas) for analysis.

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 map 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 is a graph depicting groundwater elevation versus time for each monitoring well. Figures 3 and 4 depict chloride and TDS concentrations, respectively. A well sampling data form, laboratory analytical reports, and chains of custody documentation for each 2013 sampling event are included in Attachment A.

Table 1
Summary of Groundwater Monitoring Results
State 36 #2 (1R-501)

Monitoring Well	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)
MW-1	02/25/08	43.80	3559.41	**489**	---	---	---	---	---
	03/27/08	43.88	3559.33	**557**	**1,770**	< 0.001	< 0.002	< 0.001	< 0.003
	06/17/08	43.89	3559.32	**594**	**1,370**	---	---	---	---
	09/10/08	43.97	3559.24	**440**	**1,260**	<0.001	<0.001	<0.001	<0.003
	12/17/08	43.96	3559.25	**440**	**1,290**	<0.001	<0.001	<0.001	<0.003
	03/19/09	44.02	3559.19	**430**	**1,240**	<0.001	<0.001	<0.001	<0.003
	06/18/09	44.02	3559.19	**428**	**1,330**	<0.001	<0.001	<0.001	<0.003
	09/17/09	44.08	3559.13	**456**	**1,530**	<0.001	<0.001	<0.001	<0.003
	12/10/09	44.13	3559.08	**450**	**1,360**	<0.001	<0.001	<0.001	<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**	---	---	---	---
	03/29/12	44.34	3558.87	**504**	**1,380**	---	---	---	---
	06/20/12	44.37	3558.84	**551**	**1,420**	---	---	---	---
	09/26/12	44.44	3558.77	**532**	**1,900**	---	---	---	---
	12/27/12	44.46	3558.75	**463**	**1,740**	---	---	---	---
	03/18/13	44.59	3558.62	**614**	**1,760**	---	---	---	---
	06/11/13	44.63	3558.58	**574**	**1,820**	---	---	---	---
	09/23/13	44.58	3558.63	**538**	**1,860**	---	---	---	---
	12/30/13	44.63	3558.58	**636**	**1,430**	---	---	---	---
MW-2	05/08/08	43.25	3559.22	**1,450**	**2,730**	< 0.001	< 0.002	< 0.001	< 0.003
	06/17/08	43.31	3559.16	**1,980**	**2,730**	---	---	---	---
	09/10/08	43.37	3559.10	**1,580**	**3,440**	<0.001	<0.001	<0.001	<0.003
	12/17/08	43.38	3559.09	**1,300**	**2,900**	<0.001	<0.001	<0.001	<0.003
	03/19/09	43.41	3559.06	**1,080**	**2,380**	<0.001	<0.001	<0.001	<0.003
	06/18/09	43.42	3559.05	**920**	**2,300**	<0.001	<0.001	<0.001	<0.003
	09/17/09	43.47	3559.00	**810**	**1,980**	<0.001	<0.001	<0.001	<0.003
	12/10/09	43.53	3558.94	**860**	**1,870**	<0.001	<0.001	<0.001	<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**	---	---	---	---
	03/29/12	43.76	3558.71	**572**	**1,660**	---	---	---	---
	06/20/12	43.79	3558.68	**721**	**1,800**	---	---	---	---
	09/26/12	43.86	3558.61	**556**	**1,810**	---	---	---	---
	12/27/12	43.88	3558.59	**466**	**1,690**	---	---	---	---
	03/18/13	43.91	3558.56	**604**	**1,630**	---	---	---	---
	06/11/13	43.95	3558.52	**702**	**1,880**	---	---	---	---
	09/23/13	44.01	3558.46	**586**	**1,790**	---	---	---	---
	12/30/13	44.06	3558.41	**564**	**1,500**	---	---	---	---

Continued on next page

Table 1
Summary of Groundwater Monitoring Results
State 36 #2 (1R-501)

Monitoring Well	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)
MW-3	06/17/08	43.83	3558.98	**733**	**1,810**	---	---	---	---
	09/10/08	43.85	3558.96	**580**	**1,660**	<0.001	<0.001	<0.001	<0.003
	12/17/08	43.91	3558.90	**570**	**1,580**	<0.001	<0.001	<0.001	<0.003
	03/19/09	43.91	3558.90	**560**	**1,620**	<0.001	<0.001	<0.001	<0.003
	06/18/09	43.97	3558.84	**520**	**1,530**	<0.001	<0.001	<0.001	<0.003
	09/17/09	44.03	3558.78	**500**	**1,410**	<0.001	<0.001	<0.001	<0.003
	12/10/09	44.07	3558.74	**500**	**1,360**	<0.001	<0.001	<0.001	<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**	---	---	---	---
	03/29/12	44.29	3558.52	**642**	**1,830**	---	---	---	---
	06/20/12	44.31	3558.50	**1,040**	**2,500**	---	---	---	---
	09/26/12	44.37	3558.44	**1,160**	**3,460**	---	---	---	---
	12/27/12	44.40	3558.41	**1,030**	**3,500**	---	---	---	---
	03/18/13	44.43	3558.38	**1,380**	**3,500**	---	---	---	---
	06/11/13	44.47	3558.34	**1,770**	**4,510**	---	---	---	---
	09/23/13	44.52	3558.29	**995**	**4,180**	---	---	---	---
	12/30/13	44.58	3558.23	**1,830**	**3,600**	---	---	---	---
MW-4	06/17/08	43.54	3558.81	1,070	2,150	---	---	---	---
	09/10/08	43.61	3558.74	**820**	**2,070**	<0.001	<0.001	<0.001	<0.003
	12/17/08	43.63	3558.72	**830**	**1,970**	<0.001	<0.001	<0.001	<0.003
	03/19/09	43.67	3558.68	**810**	**1,970**	<0.001	<0.001	<0.001	<0.003
	06/18/09	43.68	3558.67	**740**	**1,860**	<0.001	<0.001	<0.001	<0.003
	09/17/09	43.78	3558.57	**740**	**1,690**	<0.001	<0.001	<0.001	<0.003
	12/10/09	43.81	3558.54	**660**	**1,570**	<0.001	<0.001	<0.001	<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**	---	---	---	---
	03/29/12	44.05	3558.30	**606**	**1,860**	---	---	---	---
	06/20/12	44.09	3558.26	**797**	**1,790**	---	---	---	---
	09/26/12	44.15	3558.20	**579**	**1,620**	---	---	---	---
	12/27/12	44.19	3558.16	**493**	**1,690**	---	---	---	---
	03/18/13	44.20	3558.15	**608**	**1,590**	---	---	---	---
	06/11/13	44.24	3558.11	**505**	**1,790**	---	---	---	---
	09/23/13	44.31	3558.04	**532**	**1,840**	---	---	---	---
	12/30/13	44.36	3557.99	**632**	**1,440**	---	---	---	---
			WQCC Standards	250	1000	0.01	0.75	0.75	0.62

* TDS in MW-1 on 09/22/10 is not consistent with previous sampling events nor with chloride value. Likely due to lab error (n
Total Dissolved Soilds (TDS), chloride, and BTEX concentrations listed in milligrams per liter (mg/L)
Values in boldface type indicate concentrations exceed New Mexico Water Quality Commission (WQCC) standards.
AMSL - Above Mean Sea Level; BTOC - Below Top of Casing
--- Indicates not sampled, analyzed, or measured for this parameter.

Figure 2: Groundwater Elevations (Ft AMSL) vs Time

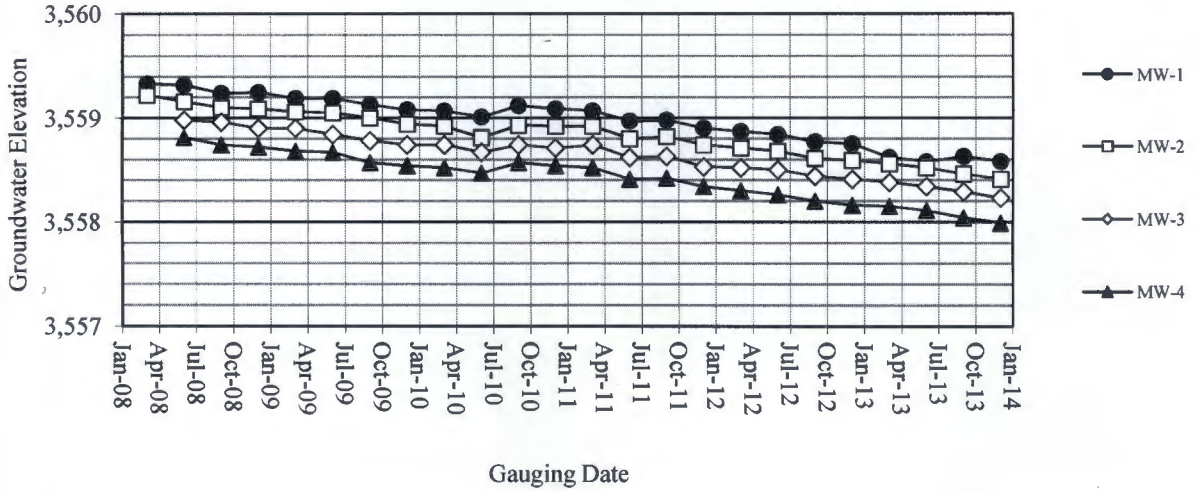


Figure 3: Chloride Concentrations vs Time

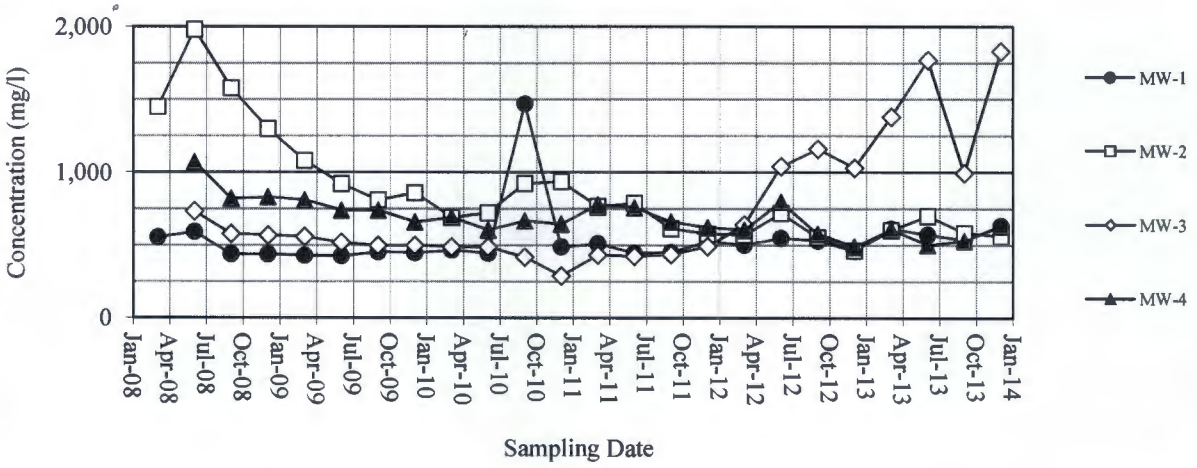
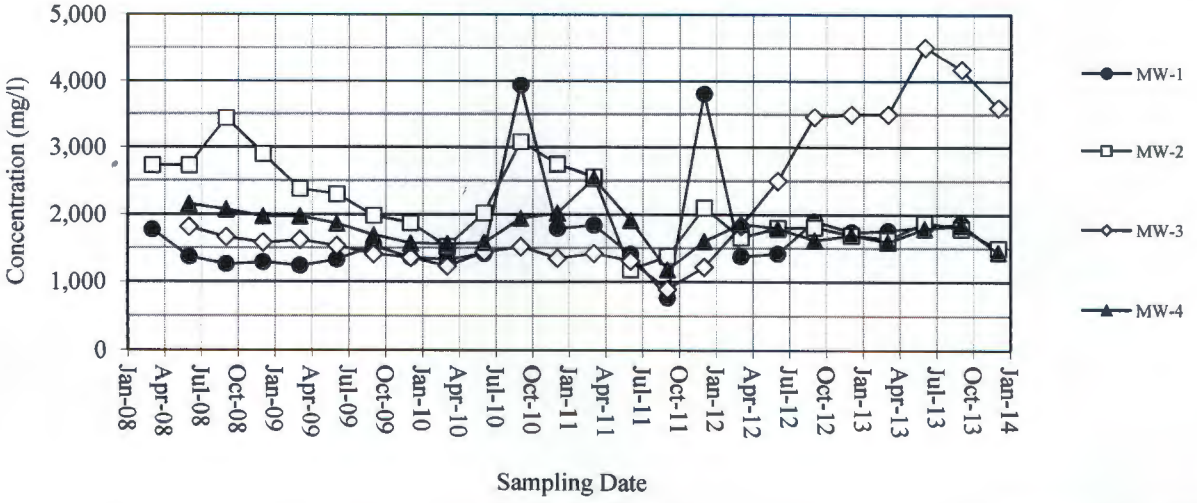
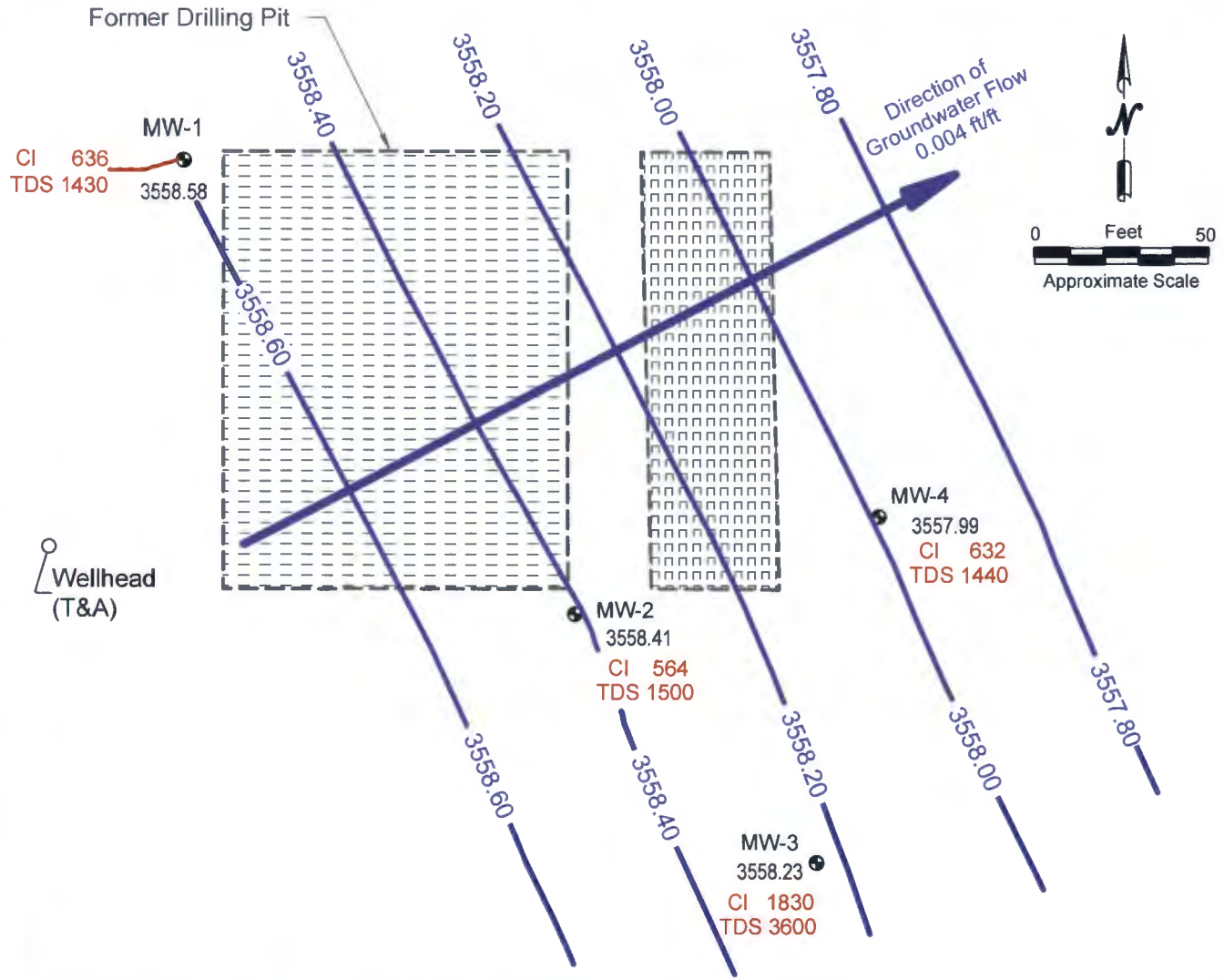


Figure 4: TDS Concentrations vs Time





MAP LEGEND

MW-3 — Monitoring Well

3558.23 — Water Table Elevation (Ft AMSL)

Cl 250
TDS 1000 — Chloride and TDS Concentrations in mg/L

3558.20 — Groundwater Elevation Contour (Contour Interval = 0.20 feet)

Most Recent Sampling Date:

December 30, 2013

Well ID	Date	DTW	GW Elev	Chloride	TDS
MW-1	03/18/13	44.59	3558.62	614	1,760
	06/11/13	44.63	3558.58	574	1,820
	09/23/13	44.58	3558.63	538	1,860
	12/30/13	44.63	3558.58	636	1,430
MW-2	03/18/13	43.91	3558.56	604	1,630
	06/11/13	43.95	3558.52	702	1,880
	09/23/13	44.01	3558.46	586	1,790
	12/30/13	44.06	3558.41	564	1,500
MW-3	03/18/13	44.43	3558.38	1,380	3,500
	06/11/13	44.47	3558.34	1,770	4,510
	09/23/13	44.52	3558.29	995	4,180
	12/30/13	44.58	3558.23	1,830	3,600
MW-4	03/18/13	44.20	3558.15	608	1,590
	06/11/13	44.24	3558.11	505	1,790
	09/23/13	44.31	3558.04	532	1,840
	12/30/13	44.36	3557.99	632	1,440

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

- The local water table is at a depth of approximately 42 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 wells MW-1, MW-2, MW-3, and MW-4 exceed WQCC standards. The highest chloride and TDS levels during the most recent sampling event in December 2013 have been observed in monitoring well MW-3 with concentrations of 1,830 mg/L and 3,600 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 discontinued.

Pride Energy Company plans to continue quarterly ground water monitoring activities and submit an annual groundwater monitoring report next year.

We look forward to working with you on this project. If you have any questions or comments you may contact me at 432.638.8740 (gil@trident-environmental.com) or Matt Pride at 918.524.9200 (mattp@pride-energy.com).

Sincerely,

Gilbert Van Deventer, REM, PG
Trident Environmental
P. O. Box 12177
Odessa TX 79768

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)
TE LOCATION: T19S R37E Sec36 Unit O, Lea County, NM
SAMPLER: Gil Van Deventer

PURGING METHOD: ☐ Hand Bailed ☑ Pump, Type: Whaler Model WP-9012 Mega Purger (12-volt 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. °F	Cond. mS/cm	pH	Purge Method	PHYSICAL APPEARANCE AND REMARKS
First	3/18/13	17:00	MW-1	44.59	52.37	7.78	0.16	1.2	10	8.0	67.9	2.27	6.45	Pump	Clear
		19:00	MW-2	43.91	57.61	13.70	0.16	2.2	15	6.8	65.4	2.31	7.09		Clear
		17:40	MW-3	44.43	53.83	9.40	0.16	1.5	10	6.6	66.5	4.15	6.81		Clear
		18:20	MW-4	44.20	50.30	6.10	0.16	1.0	10	10.2	67.0	2.35	7.02		Clear
Second	6/11/13	18:00	MW-1	44.63	52.37	7.74	0.16	1.2	10	8.1	69.1	2.2	6.47	Pump	Clear
		20:00	MW-2	43.95	57.61	13.66	0.16	2.2	15	6.9	70.5	2.24	7.19		Clear
		19:20	MW-3	44.47	53.83	9.36	0.16	1.5	10	6.7	71.0	4.27	6.99		Clear
		18:40	MW-4	44.24	50.30	6.06	0.16	1.0	10	10.3	70.8	2.31	7.21		Clear
Third	9/1/13	18:00	MW-1	44.58	52.37	7.79	0.16	1.2	10	8.0	66.5	2.20	7.00	Hand Bail	Lt reddish and silty clearing during purge
		18:40	MW-2	44.01	57.61	13.60	0.16	2.2	15	6.9	65.7	2.37	7.65		Lt reddish and silty clearing during purge
		18:30	MW-3	44.52	53.83	9.31	0.16	1.5	10	6.7	65.7	4.35	7.06		Lt reddish and silty clearing during purge
		19:00	MW-4	44.31	50.30	5.99	0.16	1.0	10	10.4	66.7	2.18	7.18		Lt reddish and silty clearing during purge
Fourth	12/30/13	19:30	MW-1	44.63	52.37	7.74	0.16	1.2	10	8.1	61.8	1.54	6.73	Pump	Clear
		19:00	MW-2	44.06	57.61	13.55	0.16	2.2	15	6.9	63.6	2.30	6.90		Clear
		18:00	MW-3	44.58	53.83	9.25	0.16	1.5	10	6.8	64.5	4.07	6.68		Clear
		18:30	MW-4	44.36	50.30	5.94	0.16	1.0	8	8.4	64.5	1.53	6.90		Clear

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 analyical laboratory for chloride (300.1) and TDS (160.1) analysis.

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

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706

PBELAB

Analytical Report

Prepared for:

Matt Pride

Pride Energy Company

P.O. BOX 701950

Tulsa, OK 74170-1950

Project: Pride Energy Company

Project Number: State 36 #2

Location: T19S-R37E, Sec 36, Unit Letter O~ Lea County, NM

Lab Order Number: 3L31004

NELAP/TCEQ # T104704156-13-3

Report Date: 01/07/14

Pride Energy Company P.O. BOX 701950 Tulsa OK, 74170-1950	Project: Pride Energy Company Project Number: State 36 #2 Project Manager: Matt Pride	Fax: (918) 524-9292

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	3L31004-01	Water	12/30/13 16:00	12-31-2013 13:30
MW-2	3L31004-02	Water	12/30/13 17:30	12-31-2013 13:30
MW-3	3L31004-03	Water	12/30/13 16:30	12-31-2013 13:30
MW-4	3L31004-04	Water	12/30/13 17:00	12-31-2013 13:30

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-1

3L31004-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**636**	12.5	mg/L	25	P4A0604	01/06/14	01/06/14	EPA 300.0	
Total Dissolved Solids	**1430**	20.0	mg/L	1	P4A0701	01/03/14	01/07/14	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-2

3L31004-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**564**	12.5	mg/L	25	P4A0604	01/06/14	01/06/14	EPA 300.0	
Total Dissolved Solids	**1500**	20.0	mg/L	1	P4A0701	01/03/14	01/07/14	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-3

3L31004-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1830**	25.0	mg/L	50	P4A0604	01/06/14	01/06/14	EPA 300.0	
Total Dissolved Solids	**3600**	20.0	mg/L	1	P4A0701	01/03/14	01/07/14	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-4

3L31004-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**632**	12.5	mg/L	25	P4A0604	01/06/14	01/06/14	EPA 300.0	
Total Dissolved Solids	**1440**	20.0	mg/L	1	P4A0701	01/03/14	01/07/14	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P4A0604 - * DEFAULT PREP *** **										
Blank (P4A0604-BLK1)				Prepared & Analyzed: 01/06/14						
Chloride	ND	0.500	mg/L							
LCS (P4A0604-BS1)				Prepared & Analyzed: 01/06/14						
Chloride	10.4		mg/L	10.0		104	80-120			
LCS Dup (P4A0604-BSD1)				Prepared & Analyzed: 01/06/14						
Chloride	9.86		mg/L	10.0		98.6	80-120	5.47	20	
Duplicate (P4A0604-DUP1)		Source: 3L31002-01		Prepared & Analyzed: 01/06/14						
Chloride	753	12.5	mg/L		753			0.0797	20	
Matrix Spike (P4A0604-MS1)		Source: 3L31002-01		Prepared & Analyzed: 01/06/14						
Chloride	899	12.5	mg/L	150	753	97.0	80-120			
Batch P4A0701 - * DEFAULT PREP *** **										
Blank (P4A0701-BLK1)				Prepared: 01/03/14 Analyzed: 01/07/14						
Total Dissolved Solids	ND	20.0	mg/L							
Duplicate (P4A0701-DUP1)		Source: 3L31002-01		Prepared: 01/03/14 Analyzed: 01/07/14						
Total Dissolved Solids	1340	20.0	mg/L		1290			3.80	20	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 1/7/2014

Brent Barron, Laboratory Director/Technical Director

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Page 1 of 1

COC No.: 1R-501-123013

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 3L31004

Company Name: Trident Environmental	BILL TO Company: Pride Energy Company / Attention: 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: 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		12/30/13	1600
-02	MW-2	G	1	X									X		12/30/13	1730
-03	MW-3	G	1	X									X		12/30/13	1630
-04	MW-4	G	1	X									X		12/30/13	1700

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, SO_4, CO_3, HCO_3)	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: Date: 12/31/13 Time: 1:30pm
Received by: Date: Time:

Relinquished by: Date: Time:
Received By: (Laboratory Staff) Date: 12/31/13 Time: 13:30

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

Sample Condition 3.5 NCF — Cool: Yes ✓ / No — Intact: Yes ✓ / No

CHECKED BY: (Initials)

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

REMARKS: Samples not field filtered

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

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706

PBELAB

Analytical Report

Prepared for:

Matt Pride
Pride Energy Company
P.O. BOX 701950
Tulsa, OK 74170-1950

Project: Pride Energy Company
Project Number: State 36 #2
Location: T19S-R37E, Sec 36, Unit Letter O~ Lea County, NM

Lab Order Number: 3I24006

NELAP/TCEQ # T104704156-13-3

Report Date: 10/02/13

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	3I24006-01	Water	09/23/13 18:00	09-24-2013 13:25
MW-2	3I24006-02	Water	09/23/13 18:30	09-24-2013 13:25
MW-3	3I24006-03	Water	09/23/13 19:00	09-24-2013 13:25
MW-4	3I24006-04	Water	09/23/13 19:30	09-24-2013 13:25

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-1

3I24006-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**538**	12.5	mg/L	25	P3I2603	09/26/13	09/26/13	EPA 300.0	
Total Dissolved Solids	**1860**	20.0	mg/L	1	P3J0104	09/25/13	10/01/13	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-2

3I24006-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**586**	12.5	mg/L	25	P3I2603	09/26/13	09/26/13	EPA 300.0	
Total Dissolved Solids	**1790**	20.0	mg/L	1	P3J0104	09/25/13	10/01/13	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-3

3I24006-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**995**	25.0	mg/L	50	P3I2603	09/26/13	09/26/13	EPA 300.0	
Total Dissolved Solids	**4180**	20.0	mg/L	1	P3J0104	09/25/13	10/01/13	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-4

3I24006-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**532**	12.5	mg/L	25	P3I2603	09/26/13	09/26/13	EPA 300.0	
Total Dissolved Solids	**1840**	20.0	mg/L	1	P3J0104	09/25/13	10/01/13	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3I2603 - * DEFAULT PREP *****										
Blank (P3I2603-BLK1)				Prepared & Analyzed: 09/26/13						
Chloride	ND	0.500	mg/L							
LCS (P3I2603-BS1)				Prepared & Analyzed: 09/26/13						
Chloride	10.5		mg/L	10.0		105	80-120			
LCS Dup (P3I2603-BSD1)				Prepared & Analyzed: 09/26/13						
Chloride	10.6		mg/L	10.0		106	80-120	0.837	20	
Duplicate (P3I2603-DUP1)		**Source: 3I24004-01**		Prepared & Analyzed: 09/26/13						
Chloride	697	12.5	mg/L		696			0.147	20	
Batch P3J0104 - * DEFAULT PREP *****										
Blank (P3J0104-BLK1)				Prepared: 09/25/13 Analyzed: 10/01/13						
Total Dissolved Solids	10.0	10.0	mg/L							

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 10/2/2013

Brent Barron, Laboratory Director/Technical Director

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Phone: 432-661-4184

Page 1 of 1

COC No.: 1R-501-0613

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: Trident Environmental	BILL TO Company: Pride Energy Company / Attention: 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:

3I24006

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		9/23/13	1800
-02	MW-2	G	1	X									X		9/23/13	18/30
-03	MW-3	G	1	X									X		9/23/13	1900
-04	MW-4	G	1	X									X		9/23/13	1930

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:	Date:	Time:	Received by:	Date:	Time:
[signature]	9/24/13	1:25			
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff)	Date:	Time:
			[signature]	9/24/13	13:25

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

REMARKS: Samples not field filtered

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

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

Sample Condition 4.5 — Cool: Yes [✓] No [ ] — Intact: Yes [✓] No [ ]

CHECKED BY: (Initials) [initials]

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706

PBELAB

Analytical Report

Prepared for:

Matt Pride

Pride Energy Company

P.O. BOX 701950

Tulsa, OK 74170-1950

Project: Pride Energy Company

Project Number: State 36 #2

Location: T19S-R37E, Sec 36, Unit Letter O~ Lea County, NM

Lab Order Number: 3F14003

NELAP/TCEQ # T104704156-12-1

Report Date: 06/24/13

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	3F14003-01	Water	06/11/13 18:00	06-14-2013 14:18
MW-2	3F14003-02	Water	06/11/13 20:00	06-14-2013 14:18
MW-3	3F14003-03	Water	06/11/13 18:40	06-14-2013 14:18
MW-4	3F14003-04	Water	06/11/13 19:20	06-14-2013 14:18

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-1

3F14003-01 (Water)

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by EPA / Standard Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	**574**	12.5	mg/L	25	P3F1901	06/17/13	06/19/13	EPA 300.0	
Total Dissolved Solids	**1820**	10.0	mg/L	1	P3F2107	06/18/13	06/21/13	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-2

3F14003-02 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**702**	12.5	mg/L	25	P3F1901	06/17/13	06/19/13	EPA 300.0	
Total Dissolved Solids	**1880**	10.0	mg/L	1	P3F2107	06/18/13	06/21/13	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-3

3F14003-03 (Water)

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**1770**	25.0	mg/L	50	P3F1901	06/17/13	06/19/13	EPA 300.0	
Total Dissolved Solids	**4510**	10.0	mg/L	1	P3F2107	06/18/13	06/21/13	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

MW-4

3F14003-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Permian Basin Environmental Lab, L.P.									
General Chemistry Parameters by EPA / Standard Methods									
Chloride	**505**	12.5	mg/L	25	P3F1901	06/17/13	06/19/13	EPA 300.0	
Total Dissolved Solids	**1790**	10.0	mg/L	1	P3F2107	06/18/13	06/21/13	EPA 160.1	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P3F1901 - * DEFAULT PREP *** **										
Blank (P3F1901-BLK1)				Prepared: 06/17/13 Analyzed: 06/19/13						
Chloride	ND	0.500	mg/L							
LCS (P3F1901-BS1)				Prepared: 06/17/13 Analyzed: 06/19/13						
Chloride	9.84		mg/L	10.0		98.4	80-120			
LCS Dup (P3F1901-BSD1)				Prepared: 06/17/13 Analyzed: 06/19/13						
Chloride	9.75		mg/L	10.0		97.5	80-120	0.970	20	
Duplicate (P3F1901-DUP1)		Source: 3F14001-01		Prepared: 06/17/13 Analyzed: 06/19/13						
Chloride	250	2.50	mg/L		255			2.10	20	
Matrix Spike (P3F1901-MS1)		Source: 3F14001-01		Prepared: 06/17/13 Analyzed: 06/19/13						
Chloride	300	2.50	mg/L	42.5	255	106	80-120			
Matrix Spike (P3F1901-MS2)		Source: 3F14001-11		Prepared: 06/17/13 Analyzed: 06/19/13						
Chloride	539	12.5	mg/L	250	323	86.3	80-120			
Batch P3F2107 - * DEFAULT PREP *** **										
Blank (P3F2107-BLK1)				Prepared: 06/18/13 Analyzed: 06/21/13						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (P3F2107-DUP1)		Source: 3F14001-01		Prepared: 06/18/13 Analyzed: 06/21/13						
Total Dissolved Solids	770	10.0	mg/L		815			5.68	20	

Pride Energy Company	Project: Pride Energy Company	Fax: (918) 524-9292
P.O. BOX 701950	Project Number: State 36 #2	
Tulsa OK, 74170-1950	Project Manager: Matt Pride	

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 6/24/2013

Brent Barron, Laboratory Director/Technical Director

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Phone: 432-661-4184

Page 1 of 1

COC No.: 1R-501-0613

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: Trident Environmental	BILL TO Company: Pride Energy Company / Attention: Matt Pride
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		6-11-13	1800																X	X		
-02	MW-2	G	1	X								X		6-11-13	1800																X	X		
-03	MW-3	G	1	X								X		6-11-13	1840																X	X		
-04	MW-4	G	1	X								X		6-11-13	1920																X	X		

Relinquished by:	Date: 6/14/13	Time: 14:18	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received By: (Laboratory Staff) Date: 6/14/13 Time: 14:18

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

REMARKS: Samples not field filtered

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

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

Sample Condition: Cool: Yes ☑ No ☐ Intact: Yes ☑ No ☐

CHECKED BY: (Initials) BS

3.5 NCF

PERMIAN BASIN
ENVIRONMENTAL LAB, LP
10014 SCR 1213
Midland, TX 79706

PBELAB

Analytical Report

Prepared for:

Gilbert Vandeventer
Trident Environmental
P.O. Box 12177
Odessa, TX 79768

Project: Pride Energy Company
Project Number: State #2
Location: T19S-R37E, Sec 36, Unit Letter O ~ Lea County, NM

Lab Order Number: 3C20003

NELAP/TCEQ # T104704156-12-1

Report Date: 03/29/13

Trident Environmental	Project: Pride Energy Company	Fax: (432) 413-9968
P.O. Box 12177	Project Number: State #2	
Odessa TX, 79768	Project Manager: Gilbert Vandeventer	

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	3C20003-01	Water	03/18/13 16:50	03-20-2013 12:30
MW-2	3C20003-02	Water	03/18/13 18:30	03-20-2013 12:30
MW-3	3C20003-03	Water	03/18/13 17:20	03-20-2013 12:30
MW-4	3C20003-04	Water	03/18/13 18:00	03-20-2013 12:30

General Chemistry Parameters by EPA / Standard Methods
Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (3C20003-01) Water									
Chloride	**614**	12.5	mg/L	25	EC32601	03/26/13	03/26/13	EPA 300.0	
Total Dissolved Solids	**1760**	10.0	"	1	EC32703	03/25/13	03/25/13	EPA 160.1	
MW-2 (3C20003-02) Water									
Chloride	**604**	12.5	mg/L	25	EC32601	03/26/13	03/26/13	EPA 300.0	
Total Dissolved Solids	**1630**	10.0	"	1	EC32703	03/25/13	03/25/13	EPA 160.1	
MW-3 (3C20003-03) Water									
Chloride	**1380**	25.0	mg/L	50	EC32601	03/26/13	03/26/13	EPA 300.0	
Total Dissolved Solids	**3500**	10.0	"	1	EC32703	03/25/13	03/25/13	EPA 160.1	
MW-4 (3C20003-04) Water									
Chloride	**608**	12.5	mg/L	25	EC32601	03/26/13	03/26/13	EPA 300.0	
Total Dissolved Solids	**1590**	10.0	"	1	EC32703	03/25/13	03/25/13	EPA 160.1	

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Pride Energy Company
Project Number: State #2
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Permian Basin Environmental Lab

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC32601 - * DEFAULT PREP *****										
Blank (EC32601-BLK1)				Prepared & Analyzed: 03/26/13						
Chloride	ND	0.500	mg/L							
LCS (EC32601-BS1)				Prepared & Analyzed: 03/26/13						
Chloride	10.9		mg/L	10.0		109	80-120			
LCS Dup (EC32601-BSD1)				Prepared & Analyzed: 03/26/13						
Chloride	11.0		mg/L	10.0		110	80-120	0.621	20	
Duplicate (EC32601-DUP1)		Source: 3C20001-01		Prepared & Analyzed: 03/26/13						
Chloride	801	12.5	mg/L		800			0.137	20	
Matrix Spike (EC32601-MS1)		Source: 3C20001-01		Prepared & Analyzed: 03/26/13						
Chloride	1100	12.5	mg/L	300	800	102	80-120			
Batch EC32703 - * DEFAULT PREP *****										
Blank (EC32703-BLK1)				Prepared & Analyzed: 03/25/13						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (EC32703-DUP1)		Source: 3C20001-01		Prepared & Analyzed: 03/25/13						
Total Dissolved Solids	1580	10.0	mg/L		1590			1.01	20	

Trident Environmental
P.O. Box 12177
Odessa TX, 79768

Project: Pride Energy Company
Project Number: State #2
Project Manager: Gilbert Vandeventer

Fax: (432) 413-9968

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Brent Barron Date: 3/29/2013

Brent Barron, Laboratory Director/Technical Director

PBELAB

Permian Basin Environmental Lab, LP
10014 S. County Road 1213
Midland, Texas 79706
Phone: 432-661-4184

Page 1 of 1

COC No.: 1R-501-0313

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Company Name: Trident Environmental	BILL TO Company: Pride Energy Company / Attention: 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:	

3C2003

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		3/18/13	1650
-02	MW-2	G	1	X								X		3/18/13	1830
-03	MW-3	G	1	X								X		3/18/13	1720
-04	MW-4	G	1	X								X		3/18/13	1800

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: Date: 3/20/13 Time: 12:30pm
Received by: Date: Time:

Relinquished by: Date: Time:
Received By: (Laboratory Staff) Date: 3/20/13 Time: 12:30pm

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

Sample Condition: Cool: Yes ✓ / No; Intact: Yes ✓ / No — H.4°C NC
CHECKED BY: (Initials)

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

REMARKS: Samples not field filtered

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