1**R** - 501

INITIAL REPORT

04/16/2008



April 16, 2008

RECEIVED

CERTIFIED MAIL RETURN RECIEPT NO. 7099 3400 0017 1737 2039

APR 13 2008

Mr. Glenn von Gonten

Oil Conservation Division New Mexico Energy, Minerals, & Natural Resources Environmental Bureau

Oil Conservation Division, Environmental Bureau

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

RE: Notice of Potential Groundwater Impact Pride Energy Company – State 36 #2 Reserve Pit (API # 30-025-36909) T19S-R37E, Section 36, Unit Letter O Lea County, New Mexico

Dear Mr. von Gonten:

6 L I

On behalf of Pride Energy Company, Trident Environmental submits to the NMOCD this notification of potential groundwater impact at the above-referenced site in accordance with NM Rule 116.

Preliminary assessment of the soil and groundwater conditions was conducted by Elke Environmental during closure activities associated with the former reserve pit in February and March 2008. After our review of the data collected by Elke Environmental (Attachment A), we re-sampled the on site monitoring well on March 27, 2008, to verify groundwater impact. Based on the results of the re-sampling activity (Attachment B) we have determined that the constituents of concern are chloride (557 mg/L) and total dissolved solids (1,770 mg/L). The laboratory did not detect benzene, toluene, ethylbenzene, or xylenes (BTEX) in the March sample. Analyses for regulated hydrocarbons did not occur during Elke's February sampling event.

Elke Environmental had the monitoring well installed upgradient (northwest) of the former reserve pit, however we suspect a more appropriate location would have been at the southeast edge based on the prevailing groundwater gradient in the Monument area. April 16, 2008 Page 2

The possibility remains that there is an upgradient offsite source due to regional impacts in the Monument area. Therefore, we plan to install at least one additional monitoring well at the southeast edge of the former reserve pit for a better assessment of the magnitude of impact to groundwater as soon as we can schedule a drilling contractor (within 30 days).

We understand that future corrective actions at this site may be subject to New Mexico Rule 19 (19.15.1.19 NMAC), however at this time it is not conclusive. After completing the above monitoring well and collecting the analytical data we will prepare a site investigation report. The report will include a work plan for further site characterization, a monitoring program, and a design for an effective abatement option within 60 days of commencing drilling operations.

Please feel free to contact me at (432) 638-8740 or Mr. Matt Pride at (918) 524-9200.

Sincerely,

lot Van livet

Gilbert J. Van Deventer, PG, REM Project Manager

Attachments: soil and groundwater sampling data forms, laboratory analytical Reports, Form C-144, and Form C-141

Copy: Pride Energy Company (Matt Pride) R. T. Hicks Consultants, Ltd, (Randy Hicks) NMOCD District I (Hobbs NM) **ATTACHMENT A**

Form C-144

PRELIMINARY SOIL & GROUNDWATER SAMPLING RESULTS (ELKE ENVIRONMENTAL)

District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes 🗌 No 🛛

Type of action: Registration of a pit or below-grade tank 🗍 Closure of a pit or below-grade tank 🛛

Operator: Pride Energy CompanyTelephone:	918-524-9200 e-mail address: larrym	@pride-energy.com
Address: P O Box 701950 Tulsa, OK 74170-1950		
Facility or well name: <u>State of New Mexico 36 #2</u> API #: <u>30-02</u>	<u>-36909</u> U/L or Qtr/QtrO	Sec <u>36 T_19S R 37E</u>
County: LeaLatitude	32-36-43.8 Longitude _103-12-14	.4NAD: 1927 🗌 1983 🔲
Surface Owner: Federal 🗋 State 🛛 Private 🗋 Indian 🗋		1011121374752
<u>Pit</u>	Below-grade tank	63
Type: Drilling Production Disposal	Volume:bbl Type of fluid:	
Workover 🔲 Emergency 🗌	Construction material:	4 200 200 B
Lined 🛛 Unlined 🗌	Double-walled, with leak detection? Yes 🔲 If not,	explain why not of ULC COINS
Liner type: Synthetic 🛛 Thickness <u>12</u> mil Clay 🔲	· · · · · · · · · · · · · · · · · · ·	F Pro Hopen
Pit Volumebbi		
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points) XXX (20 points) (20 points) (20 points) (20 points)
	50 feet or more, but less than 100 feet	(10 points)
high water elevation of ground water.) $\mathbf{GW} = \mathbf{48'}$	100 feet or more	(0 points)
Wallhood motioning areas (Loss than 200 feet from a private demonstria	Yes	(20 points)
Wellhead protection area: (Less than 200 feet from a private domestic	No	(0 points) XXX
water source, or less than 1000 feet from all other water sources.)		(20 acieta)
sistance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)
rigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)
	1000 feet or more	(0 points) XXX
	Ranking Score (Total Points)	20 points

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite \boxtimes offsite \square If offsite, name of facility______. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No \boxtimes Yes \square If yes, show depth below ground surface______ft, and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: All excess drilling fluid will be removed. A burial pit will be excavated and lined with a 20 mil liner. The drilling mud will be mixed with Elke Environmental Solidification Product at a 20(mud) to 1 (product) ratio to solidify the mud then placed in the burial pit. After all mud is removed the pit bottoms will be sampled Per NMOCD guidelines. The drilling pit will be backfilled with clean native soil and contoured to the surrounding area. A final report will be submitted after completion of The job.

NMOCD Hobbs will be given 48 hrs notice before start of job and 48 hrs notice before testing.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines , a general permit , or an (attached) alternative OCD-approved plan .

Date: <u>12-10-07</u>

Printed Name/Title Logan Anderson - Agent

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

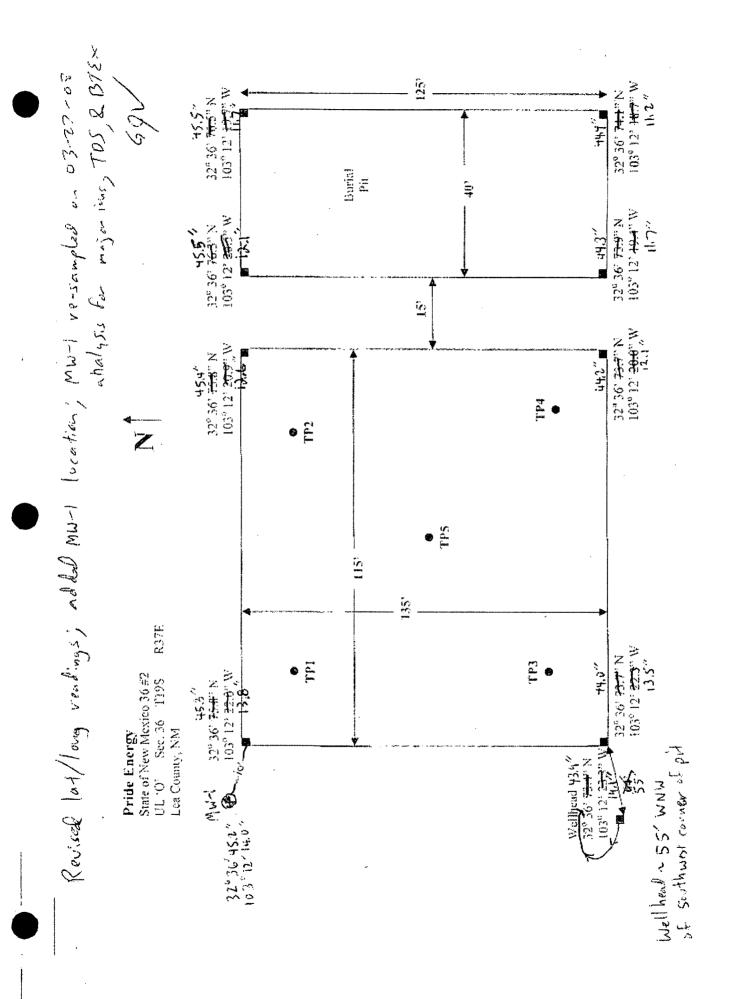
Signature

oproval:			
rinted Name/Title	CHRIS	DILLI	mrs

_____ Signature

China William

Date: 12/10/07



Field Analytical Report Form

Client Pride Energy

Analyst Jason Jessup

Site State of New Mexico 36 #2

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP1	2-18-08	8'		11,422		32° 36' 75.2" N
· · · · · · · · · · · · · · · · · · ·						<u>103° 12' 21.9" W</u> 32° 36' 75.2" N
TP1	2-18-08	10'		2,109		103° 12' 21.9" W
TP1	2-18-08	12'	-	10,856		32° 36' 75.2" N 103° 12' 21.9" W
TID 1	2.10.00	1.43	<u>.</u>	20.500		32° 36' 75.2" N
1P1	2-18-08	14'		22,566		103° 12' 21.9" W
TPI	2-18-08	16'		1,865		32° 36' 75.2" N 103° 12' 21.9" W
י תידד	2 10 00	107		14717		32° 36' 75.2" N
1P1	2-18-08	18		14,/1/		103° 12' 21.9" W
TP1	2-18-08	20'		10,613		32° 36' 75.2" N 103° 12' 21.9" W
	2 10 00	225		0.002		32° 36' 75.2" N
f f*1	2-19-08	<u> </u>		9.902		103° 12' 21.9" W
TP1	2-19-08	24'		10,583		32° 36' 75.2" N 103° 12' 21.9" W
	2 29 29	20	-	6.249		32° 36' 75.2" N
191	2-28-08	25'		6,248	· · · · · · · · · · · · · · · · · · ·	103° 12' 21.9" W
TP1	2-28-08	30'		2,367		32° 36' 75.2" N 103° 12' 21.9" W
/m) T 1	2 22 20	253		1 2 (20		32° 36' 75.2" N
I PI	2-28-08	35'		3,630		103° 12' 21.9" W
TP1	2-28-08	40'		5,529	23.1	32° 36' 75.2" N
				- ,		<u>103° 12' 21.9" W</u> 32° 36' 75.4" N
TP2	2-18-08	8'		4,833		103° 12' 20.5" W
mpa	0.10.00	1.01				32° 36' 75.4" N
1P2	2-18-08	10,		2,375		103° 12' 20.5" W
TP2	2-18-08	12'		944		32° 36' 75.4" N
		<u> </u>	-			<u>103° 12' 20.5" W</u> <u>32° 36' 75.4" N</u>
TP2	2-18-08	14'		823		103° 12' 20.5" W
TP2	2-18-08	16'		1,854		32° 36' 75.4" N 103° 12' 20.5" W
	TP1 TP2 TP2	TP12-18-08TP12-18-08TP12-18-08TP12-18-08TP12-18-08TP12-18-08TP12-18-08TP12-19-08TP12-19-08TP12-28-08TP12-28-08TP12-28-08TP12-28-08TP12-28-08TP12-28-08TP12-28-08TP12-28-08TP12-28-08TP12-28-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08TP22-18-08	TP1 2-18-08 8' TP1 2-18-08 10' TP1 2-18-08 12' TP1 2-18-08 12' TP1 2-18-08 14' TP1 2-18-08 16' TP1 2-18-08 16' TP1 2-18-08 18' TP1 2-18-08 20' TP1 2-19-08 22' TP1 2-19-08 22' TP1 2-19-08 24' TP1 2-28-08 30' TP1 2-28-08 40' TP2 2-18-08 10' TP2 2-18-08 10' TP2 2-18-08 12' TP2 2-18-08 14'	TP1 2-18-08 8' TP1 2-18-08 10' TP1 2-18-08 12' TP1 2-18-08 14' TP1 2-18-08 16' TP1 2-18-08 16' TP1 2-18-08 16' TP1 2-18-08 18' TP1 2-18-08 18' TP1 2-18-08 20' TP1 2-18-08 20' TP1 2-19-08 22' TP1 2-19-08 24' TP1 2-28-08 30' TP1 2-28-08 30' TP1 2-28-08 35' TP1 2-28-08 35' TP1 2-28-08 40' TP2 2-18-08 40' TP2 2-18-08 10' TP2 2-18-08 12' TP2 2-18-08 14'	TP1 2-18-08 8' 11,422 TP1 2-18-08 10' 2,109 TP1 2-18-08 12' 10,856 TP1 2-18-08 12' 10,856 TP1 2-18-08 14' 22,566 TP1 2-18-08 16' 1,865 TP1 2-18-08 18' 14,717 TP1 2-18-08 20' 10,613 TP1 2-18-08 20' 10,613 TP1 2-19-08 22' 9,962 TP1 2-19-08 24' 10,583 TP1 2-28-08 30' 2,367 TP1 2-28-08 30' 2,367 TP1 2-28-08 30' 2,367 TP1 2-28-08 40' 5,529 TP1 2-28-08 40' 5,529 TP2 2-18-08 10' 2,375 TP2 2-18-08 10' 2,375 TP2 2-18-08 12' 944 TP2 2-18-08 14' 823 </td <td>TP1 2-18-08 8' 11,422 TP1 2-18-08 10' 2,109 TP1 2-18-08 12' 10,856 TP1 2-18-08 14' 22,566 TP1 2-18-08 14' 22,566 TP1 2-18-08 16' 1,865 TP1 2-18-08 18' 14,717 TP1 2-18-08 20' 10,613 TP1 2-18-08 20' 10,613 TP1 2-19-08 22' 9.962 TP1 2-19-08 24' 10,583 TP1 2-28-08 30' 2,367 TP1 2-28-08 35' 3,630 TP1 2-28-08 35' 3,630 TP1 2-28-08 40' 5,529 23.1 TP2 2-18-08 10' 2,375 10' TP2 2-18-08 12' 944 11' TP2 2-18-08 14' 823 14'</td>	TP1 2-18-08 8' 11,422 TP1 2-18-08 10' 2,109 TP1 2-18-08 12' 10,856 TP1 2-18-08 14' 22,566 TP1 2-18-08 14' 22,566 TP1 2-18-08 16' 1,865 TP1 2-18-08 18' 14,717 TP1 2-18-08 20' 10,613 TP1 2-18-08 20' 10,613 TP1 2-19-08 22' 9.962 TP1 2-19-08 24' 10,583 TP1 2-28-08 30' 2,367 TP1 2-28-08 35' 3,630 TP1 2-28-08 35' 3,630 TP1 2-28-08 40' 5,529 23.1 TP2 2-18-08 10' 2,375 10' TP2 2-18-08 12' 944 11' TP2 2-18-08 14' 823 14'

Field Analytical Report Form

Client Pride Energy Analyst Jason Jessup

Site _____ State of New Mexico 36 #2

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
тро	2 19 09	18'		875		32° 36' 75.4" N
TP2	2-18-08	18		875		103° 12' 20.5" W
TP2	2-18-08	20'		1,354		32° 36' 75.4" N
112	2-18-00			1,554		103° 12' 20.5" W
TP2	2-19-08	22'		772		32° 36' 75.4" N
· · · ·						103° 12' 20.5" W
TP2	2-19-08	23'		580		32° 36' 75.4" N
	·					<u>103° 12' 20.5" W</u> 32° 36' 75.4" N
TP2	2-19-08	24'		622		
			+			<u>103° 12' 20.5" W</u> 32° 36' 75.4" N
TP2	2-28-08	25'		280		103° 12' 20.5" W
				<u> </u>		32° 36' 75.4" N
TP2	2-28-08	30'		151	5.5	103° 12' 20.5" W
						32° 36' 73.7" N
TP3	2-18-08	8		6,959	(103° 12' 21.7" W
	0.10.00	1.03		7.014		32° 36' 73.7" N
TP3	2-18-08	10'		7,914		103° 12' 21.7" W
TP3	2-18-08	12'		5,292		32° 36' 73.7" N
1.1.3	2-10-00	12		5,292		103° 12' 21.7" W
TP3	2-18-08	14'		1,322		32° 36' 73.7" N
				.,		103° 12' 21.7" W
TP3	2-18-08	16'		1,154		32° 36' 73.7" N
			· ·			103° 12' 21.7" W
TP3	2-18-08	18'		868		32° 36' 73.7" N
						<u>103° 12' 21.7" W</u> 32° 36' 73.7" N
TP3	2-18-08	20'		1,422		103° 12' 21.7" W
					+	32° 36' 73.7" N
TP3	2-19-08	22'		1,644		103° 12' 21.7" W
		-				32° 36' 73.7" N
TP3	2-19-08	23'		666		103° 12' 21.7" W
трэ	2 10 09	24'		250		32° 36' 73.7" N
TP3	2-19-08	24		350		103° 12' 21.7" W
ТРЗ	2-28-08	25'		90	9.3	32° 36' 73.7" N
	2-20-00	25		90	7.3	103° 12' 21.7" W

Field Analytical Report Form

Client Pride Energy

Analyst Jason Jessup

Site _____ State of New Mexico 36 #2

	Sample ID	Date	Depth	TPH / PPM	CI/PPM	PID / PPM	GPS
	 TP4	2-18-08	8'		14,168		32° 36' 73.9" N
		2-10-00			14,100		<u>103° 12' 20.5" W</u>
	TP4	2-18-08	10'		21,472		32° 36' 73.9" N
				<u></u>			<u>103° 12' 20.5" W</u> 32° 36' 73.9" N
	TP4	2-18-08	12`		21,690		103° 12' 20.5" W
	<u></u>						<u>32° 36' 73.9" N</u>
	TP4	2-18-08	14'		13,942		103° 12' 20.5" W
		2 19 09	16'		12 201		32° 36' 73.9" N
	TP4	2-18-08	10		13,301		103° 12' 20.5" W
	TP4	2-18-08	18'		1,986		32° 36' 73.9" N
)	±1 T	.2-10-00	10		1,700		103° 12' 20.5" W
	TP4	2-18-08	20'		7,344		32° 36' 73.9" N
		_					<u>103° 12' 20.5" W</u>
	TP4	2-19-08	22'		2,696		32° 36' 73.9" N 103° 12' 20.5" W
			{ 				<u>32° 36' 73.9" N</u>
	TP4	2-19-08	23'		1,499		103° 12' 20.5" W
					+		<u>32° 36' 73.9" N</u>
	TP4	2-19-08	24'		5,217		103° 12' 20.5" W
	. TP4	2-28-08	25'		221	7.7	32° 36' 73.9" N
	· 1174	2-20-00	23		221	1.1	103° 12' 20.5" W
	TP5	2-18-08	8'		1,159		32° 36' 74.5" N
					1,100		103° 12' 21.2" W
	TP5	2-18-08	10'		1,197		32° 36' 74.5" N
	· · · · ·		·				<u>103° 12' 21.2" W</u> 32° 36' 74.5" N
	TP5	2-18-08	12'		609		103° 12' 21.2" W
			+				32° 36' 74.5" N
	TP5	2-18-08	14'		730		103° 12' 21.2" W
	TP5	2-18-08	16'		(02		32° 36' 74.5" N
	185	2-18-08	10		603		103° 12' 21.2" W
	TP5	2-18-08	18'		890		32° 36' 74.5" N
•	L L J						103° 12' 21.2" W
	TP5	2-18-08	20'		657		32° 36' 74.5" N
						<u> </u>	103° 12' 21.2" W

Field Analytical Report Form

Client Pride Energy

_____ Analyst ____ Jason Jessup

Site State of New Mexico 36 #2

Sample ID	Date	Depth	TPH / PPM	Cl / PPM	PID / PPM	GPS
TP5	2-19-08	22'	- -	391		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-19-08	24'		301		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-28-08	25'		845		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-28-08	30'		· 390		32° 36' 74.5" N 103° 12' 21.2" W
TP5	2-28-08	35'		140	6.3	32° 36' 74.5" N 103° 12' 21.2" W
Background	2-18-08	Surface		232		
			1	<u> </u>		
					;	
	· ·					
						· · · · · · · · · · · · · · · · · · ·
	-	1				
	-					
		<u> </u>				

Monitor Well Report Form

X
Energy
le I
Pric
ient_
Ο

Date <u>2-25-08</u>

Site State of New Mexico 36 #2

Time	10:45am						
Gallons of Water Purged	4.25						
Gallons of Water to Purge	4.2						
Feet of Water	8.6'						
Total Depth of Well	52.4°						
Depth of Water	43.8'						
Monitor Well ID	I-WM						

Sampled for TPH 8015M and Chloride Notes

Signature

Analytical Report 298237

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

27-FEB-08

E NVIRONMENTAL

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers: Houston, TX T104704215

Florida certification numbers: Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675 Norcross(Atlanta), GA E87429

> South Carolina certification numbers: Norcross(Atlanta), GA 98015

> North Carolina certification numbers: Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America Midland - Corpus Christi - Atlanta





27-FEB-08

Project Manager: Logan Anderson Elke Environmental, Inc. 4817 Andrews Hwy P.O. Box 14167 Odessa, tx 79768 Odessa, TX 79762

Reference: XENCO Report No: 298237 Pride Energy Project Address: State of New Mexico 36 # 2

Logan Anderson:

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 298237. 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. 298237 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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America





Sample Cross Reference 298237



Elke Environmental, Inc., Odessa, TX

Pride Energy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP1 @ 40'	S	Feb-22-08 10:10	40 ft	298237-001
TP2 @ 30'	S	Fcb-22-08 09:35	30 N	298237-002
TP3 @ 25'	S	Feb-22-08 08:45	25 ft	298237-003
TP4 @ 25'	S	Feb-22-08 09:00	25 ft	298237-004
TP5 @ 35'	8	Feb-22-08 10:50	35 ft	298237-005



Summary 298237 Elke Environmental, Inc., Odessa, TX Certificate of Analy

Project Name: Pride Energy

Project Location: State of New Mexico Contact: Logan Anderson Project Id:

Date Received in Lab: Sat Feb-23-08 09:28 and Report Date: 27-FEB-08

Project Location: State of New Mexico 36 # 2						Report Date	Report Date: 27-FEB-08	
			•			Project Manager:	Brent Barron, II	
	Lab Id:	298237-001	298237-002	02	298237-003	298237-004	298237-005	
Analycic Damacand	Field Id:	TP) (à 40'	TP2 @ 30'	o.	TP3 @ 25'	TP4 @ 25'	'2E @ 217	
noise hereichter	Depth:	40 R	30 ม		25 A	25 A	35 A	
-	Marrix:	SOIL	SOIL		SOIL	SOIL	SOIL	
	Sampled:	Feb-22-08 10:10	Fcb-22-08 09:35	9:35	Feb-22-08 08:45	Feb-22-08 09:00	Feb-22-08 10:50	
Determination of Inorganic Anions	Extracted:							
ber lon Chromatography by	Anulyzed:	Fcb-26-38 08:28	Feb-26-08 16:24	6:24	Feb-26-08 16:24	Feb-26-08 16:24	Feb-26-08 16:24	
	Units/RL:	mg/kg R	RL mg/kg	Γ	mg/kg RL	L mg/kg RL	mg/kg RL	
Chloride		3544 51.9	9 62.0	5,11	95.1 5.24	4 139 5,45	33.5 5.09	
Percent Moisture	Extracted:							
	Analyzed:	Feb-25-28 %6:57	Feb-25-08 16:57	6:57	Feb-25-08 16:57	Feb-25-08 16:57	Feb-25-08 16:57	
	Unics/RL:	% R	RL. %	RI,	% KL	L % RL	. % R1.	
Percent Ministure		3.66	2.12		4,61	8.26	1.73	
TPH by SW8015 Mod	Extracted:	Feb-25-48 :5:44	Feb-25-08 15:44	5:44	Feb-25-08 15:44	Feb-25-08 15:44	Feb-25-08 15:44	
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Analyzed:	Feb-25-38 21:28	Feb-25-08 22:21	2:21	Feb-25-08 22:48	Feb-25-08 23:14	Feb-25-08 23:40	
	Units/RL:	mg/kg R	L mg/kg	RL	mg/kg RL	- mg/kg RL	Ing'kg RI.	
C6-C12 Gasoline Range Hydrocarbons		ND 15.0		15.0	ND 15.0	0 ND 15.0	ND 15.0	
C12-C28 Diesel Range Hydrocurbons		501 15.0	CIN 0	15.0	ND 15.0	ND 15.0	ND 15.0	
C28-C35 Oil Range Hydrocarbons		64.6 15.0	ON 0	15.0	ND 15.0	0 ND 15.0	ND 15.0	
Total JPH		114.7	Q		ND	QN	QN.	

,--

Odessa Laboratory Director Brént Barron



- 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(PQL) and above the SQL(MDL).
- 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.
- * Outside XENCO'S scope of NELAC Accreditation

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Allanta - Corpus Christi - Latin America

.....

r

	raone	rax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. 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
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477





Project Name: Pride Energy

ork Order #: 298237		Project II):			
Lab Batch #: 715577 Sample: 298237-001	/ SMP Bate	ch: Matri	x: Soil			
Units: mg/kg	SUF	ROGATE RE	COVERY S	TUDY		
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane	86.1	100	86	70-135		
o-Terphenyl	46.3	50.0	93	70-135		
Lab Batch #: 715577 Sample: 298237-001	S/MS Bate	ch: Matri	ix: Soil			
Units: mg/kg		RROGATE RI	ECOVERYS	STUDY		
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane	97.5	100	98	70-135		
o-Terphenyl	51.1	50.0	102	70-135		
Lab Batch #: 715577 Sample: 298237-001	SD/MSD Bat	ch: 1 Matr	ix: Soil			
Units: mg/kg	SURROGATE RECOVERY STUDY					
TPH by SW8015 Mod	Amount Found [A]	True Amount [B]	Recovery %R	Control Limits %R	Flags	
Analytes			[D]			
1-Chlorooctane	100	100	100	70-135		
o-Terphenyl	51.0	50.0	102	70-135		
Lab Batch #: 715577 Sample: 298237-002	2 / SMP Bat	ich: 1 Matr	ix: Soil			
Units: mg/kg	SU	RROGATE R	ECOVERY	STUDY		
TPH by SW8015 Mod Analytes	Amount Faund [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane	88.4	100	88	70-135		
o-Tephenyl	46.7	50.0	93	70-135		
Lab Batch #: 715577 Sample: 298237-00	3 / SMP Ba	tch: ¹ Matr	rix: Soil			
Units: mg/kg	SU	RROGATE R	ECOVERY	STUDY		
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags	
1-Chlorooctane	92.6	100	93	70-135	1	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

.

*** Poor recoveries due to dilution

Surrogate Recovery $[D] = 100 + \Lambda / B$ All results are based on MDL and validated for QC purposes.



Sur
Laboratorics

Form 2 - Surrogate Recoveries



Project Name: Pride Energy

	Project ID):		
SMP Bate	ch: I Matri	x: Soil		
SUF	ROGATE RE	COVERY S	TUDY	
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
90.2	100	90	70-135	
48.2	50.0	96	70-135	
SMP Bat	ch: Matri	x; Soil		
SUI	RROGATE RE	COVERY S	STUDY	
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
86.5	100	87	70-135	
45.1	50.0	90	70-135	
S/BKS Bat	ch. 1 Matri	v Solid	<u> </u>	
			STUDY	
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
103	100	103	70-135	
54.3	50.0	109	70-135	
K/BLK Bat	tch:] Matri	ix: Solid	<u></u>	
SU			STUDY	
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
96.7	100	97	70-135	
1	1	1	1	
50.0	50.0	100	70-135	
1		100 ix: Solid	70-135	
SD/BSD Ba		ix: Solid	1	
SD/BSD Ba	tch: Matr	ix: Solid	1	Flags
SD / BSD Ba SU SU Ameunt Found	tch: 1 Matr RROGATE R True Amount	ix: Solid ECOVERY Recovery %R	STUDY Control Limits	Flags
	Amount Found [A] 90.2 48.2 SMP Bat SMP Bat SU Amount Found [A] SS / BKS Bat SU Amount Found [A] 103 54.3 K / BLK Ba SU Amount Found [A]	SMP Batch: I Matri SURROGATE RE Amount True Found Amount IP 48.2 50.0 SMP Batch: I 90.2 100 48.2 50.0 SMP Batch: I Amount True Found Amount [A] [B] 86.5 100 45.1 50.0 SS/BKS Batch: I Matri [B] 86.5 100 45.1 50.0 SS/BKS Batch: I Matri [B] 103 100 54.3 50.0 JK / BLK Batch: I Amount True Found Amount [A] [B]	SURROGATE RECOVERY SAmount Found [A]True Amount [B]Recovery %R [D]90.21009090.21009048.250.096SMPBatch:1Matrix: SoilSURROGATE RECOVERY SAmount Found [A]True (B]86.51008745.150.090SJRROGATE RECOVERY SAmount Found [A]True (B]86.51008745.150.090SJRROGATE RECOVERY SAmount Found [A]True (B]Amount Found [A]True (B]Amount Found [A]True (B]10310010354.350.0109.K / BLK Found [A]Batch:1Matrix: SolidSURROGATE RECOVERY SAmount Found [A]True (B]Matrix: SolidSURROGATE RECOVERY SAmount Found [A]True (B]Matrix: SolidSURROGATE RECOVERY SAmount Found [A]True (B]Manount [B]%R (D]	SMP Batch: 1 Matrix: Soil SURROGATE RECOVERY STUDY Amount Found [A] True Amount [B] Recovery %R [D] Control Limits %R 90.2 100 90 70-135 48.2 50.0 96 70-135 SMP Batch: 1 Matrix: Soil SURROGATE RECOVERY STUDY Amount Found [A] True Amount [B] Recovery %R [D] Control Limits %R 86.5 100 87 70-135 35/BKS Batch: 1 Matrix: Solid SURROGATE RECOVERY STUDY Amount [A] True Amount [B] Recovery %R [D] Control Limits %R SS/BKS Batch: 1 Matrix: Solid SURROGATE RECOVERY STUDY Amount [A] True Amount [B] Recovery %R [D] Control Limits %R 103 100 103 70-135 .K / BLK Batch: 1 Matrix: Solid SURROGATE RECOVERY STUDY

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.





Project Name: Pride Energy

Work Order #: 298237			Pr	oject ID:			
Lab Batch #: 715635	-	pie: 715635-			r: Solid		
Date Analyzed: 02/26/2008 Dat Reporting Units: mg/kg	e Prepar Batci	ed: 02/26/20		Analys BLANK SPL	st: IRO KE REC	OVERY S	TUDY
Determination of Inorganic Anions per Ion (Analytes	Chro	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride		ND	10.0	9.64	96	75-125	
Lab Batch #: 715639		ple: 715639-		Matri	ix: Solid		
Date Analyzed: 02/26/2008 Dat	е Ртераг	red: 02/26/20	008	Analy	st: IRO		
Reporting Units: mg/kg	Bate	h#: l	BLANK /	BLANK SPI	KE REC	OVERY S	STUDY
Determination of Inorganic Anions per Ion (Analytes	Chro	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride		ND	10.0	9.78	98	75-125	

Blank Spike Recovery [D] = 100*[C]/[B] All results are based on MDL and validated for QC purposes.

$\mathbf{\bullet}$	с и С
P	lor
6	bor
	9

BS / BSD Recoveries



Project Name: Pride Energy

Work Order #: 298237								Pro	Project ID:		
Analyst: SHE		Da	ite Prepar	Date Prepared: 02/25/2008	80			Date A	Date Analyzed: 02/25/2008	2/25/2008	
Lab Batch ID: 715577	Sample: 505090-1-BKS	IKS	Rate	Butch #: 1					Matrix: Solid	olid	
Units: mg/kg			BLAN	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	SPIKE / B	ILANK S	PIKE DUPL	JCATE	RECOVE	RY STUD	~
TPH by SW8015 I	5 Mod	Blauk Sample Kesult IAI	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Dunlicate	BIk. Spk Dup. %R	RPD %	Control Limits %R	°⊒%
Analytes		-	æ	Ū	ā	E	Result [F]	[0]	Į		
C6-C12 Gasoline Range Hydrocarbons	rbons	QN	10001	923	92	1000	888	89	ব	70-135	
C12-C28 Diesel Range Hydrocarbons	ons	QN	1000	906	16	0001	879	88	3	70-135	

Flag

Control Limits %RPD

35 33

į

Relative Percent Difference RPD = 200*(D-F)/(D+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 (Form 3	3 - MS F	lecover	ies)		
leboretories Project Name: 1	Pride Ener	gy				
Work Order #: 298237 Lab Batch #: 715635			Pro	oject ID:		
	te Prepared:	02/26/2008		Analyst:	IRO	
QC- Sample ID: 298154-009 S	Batch #:	1		Matrix:	Soil	,
Reporting Units: mg/kg	MAT	RIX / MAT	FRIX SPIKE	RECOV	VERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes	· [A]	[B]				
Chloride	5330	2000	7690	118	75-125	
Lab Batch #: 715639						
Date Analyzed: 02/26/2008 Da	ate Prepared:	02/26/2008		Analyst:	IRO	
QC- Sample ID: 298237-002 S	Batch #:	1		Matrix:	Soil	
Reporting Units: mg/kg	MAT	'RIX / MA'	TRIX SPIKE	RECO	VERY STU	DY
Inorganic Anions by EPA 300	Parent Sample Result	Spike Added	Spiked Sample Result C]	%R [D]	Control Limits %R	Flag
Analytes	[A]	B]		(10)		
Chloride	62.0	102	172	108	75-125	

and a state of the second

1

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

L NVIRONMENTAL

Form 3 - N_ / MSD Recoveries



Project Name: Pride Energy

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY Spiked Sample %R [D] Spiked Sample Result <u>ច</u> QC-Sample ID: 298237-001 S Date Prepared: 02/25/2008 Spike Added [B] Parent Sample Result [A] TPH by SW8015 Mod Analytes Date Analyzed: 02/26/2008 Lab Butch ID: 715577 Work Order # : 298237 Reporting Units: mg/kg

Matrix: Soil Project ID: -

SHE

Batch #: Analyst: Flag

Control Limits %R

RPD %

Spiked Sample Result [F] Duplicate

Spike Added

Ξ

<u>छ</u> 90 58

Spiked Dup. %R

35 35

916 901

86 16

1000 1000

> 905 911

1000 1000

> C6-C12 Gasoline Range Hydrocarbons C12-C28 Diesel Range Hydrocarbons

٦

50.1 Ê

70-135 70-135

Control Limits %RPD

ND = Not Detected, f = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, f = 1515rkerence, NA = NotApplicableN = See Narrative, EQL = Estimated Quantitation Limit

111 of 14

Matrix Spike Duplicate Vercent Recovery [G] = 100°(F-A)/E

Matrix Spike Percent Recovery {D] = 100°(C-A)B Relative Percent Difference RPD = 200*(D-G)(D+G)



Sample Duplicate Recovery

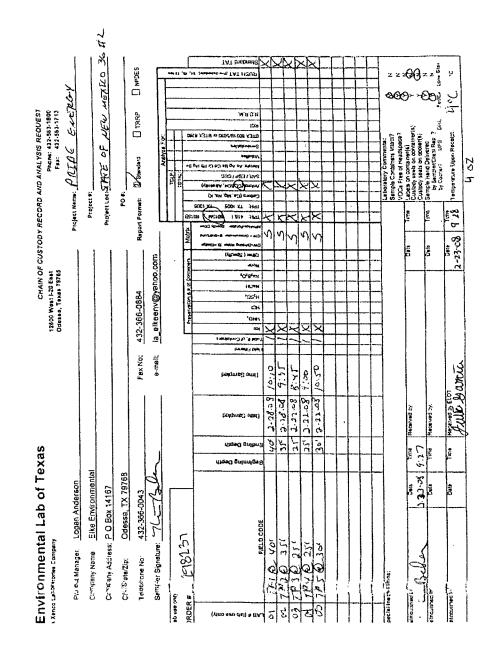


Project Name: Pride Energy

Work Order #: 298237

Lab Batch #: 715635			Project I	D:	
Date Analyzed: 02/26/2008 Date P	repared: 02/2	6/2008	Analy	st: IRO	•
QC- Sample ID: 298154-009 D	Batch #: 1		Matr	ix: Soil	
Reporting Units: mg/kg	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVER
Determination of Inorganic Anions per Ion Chromatography by Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Chloride	5330	5060	5	20	
Lab Batch #: 715639			4	1	
	repared: 02/2	6/2008	Anaiy	st: IRO	Ī
QC- Sample ID: 298237-002 D	Batch #: 1		Matr	ix: Soil	
Reporting Units: mg/kg	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVER
Determination of Inorganic Anions per lon Chromatography by	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Chloride	62.0	61.0	2	20	
Lab Batch #: 715608					
Date Analyzed: 02/25/2008 Date F	repared: 02/2	25/2008	Anal	yst: RBA	
QC- Sample ID: 298208-001 D	Batch #: I		Mat	rix: Soil	
Reporting Units: %	SAMPLE	/ SAMPLE	DUPLIC	CATE REC	OVER
Percent Moisture	Parent Sample	Sample Duplicate	RPD	Control Limits	Flag
	Result [A]	Result		%RPD	
Analyte				%RPD	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) | All Results are based on MDL and validated for QC purposes.



. Paye 13 of 14

./

Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

Client:

Date/ Time:

Elke Env.

2.23.08 9:27

298237

OIL

.

Lab ID # ·

intials:

Sample Receipt Checklist

				Clip	nt initial
1	Temperature of container/ cooler?	Ves2	No	4 ° c	
12	Shipping container in good condition?	Yes	No		
\$3	Custody Seals intact on shipping container/ cooler?	169	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	NO Preserv	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	(es)	No		
#7	Chain of Custody signed when relinquished/ received?	1498	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	NO	1D written on Cont/Lid	
#9	Container label(s) legible and intact?	63	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No	J J	
#12	Samples in proper container/ bottle?	C)	No	See Below	
#13		789	No	See Betow	
#14	Sample bottles intact?	(e)	No		
#15	Preservations documented on Chain of Custody?	(e)	No		
#16	Containers documented on Chain of Custody?	les	No		
#17	Sufficient sample amount for indicated test(s)?	68	No	See Below	
#18	All samples received within sufficient hold time?	(G)	No	See Bolow	
#15		Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	(Jes)	No	Not Applicable	

Variance Documentation

Kim Baker Contacted by: Andrea

2.25 05 12:08

۰.,

Date/ Time:

Regarding: AB (OC states sample: 010-02 sampled on LUMUS containers state 2.12.00 Sample -02 Da (OC states TP2P35' container states 1956:35)

Corrective Action Taken:

Contact:

Per Kim all samples taken 2.22.05 sample or name 1, Thie 30 and sample -05

Check all that Apply:

٦.

See attached e-mail/ fax Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event

Page 14 of 14

Analytical Report 298423

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

03-MAR-08

E NVIRONMENTAL

12600 West I-20 East Odessa, Texas 79765

Texas certification numbers: Houston, TX T104704215

Florida certification numbers: Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675 Norcross(Atlanta), GA E87429

> South Carolina certification numbers: Norcross(Atlanta), GA 98015

> North Carolina certification numbers: Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America Midland - Corpus Christi - Atlanta



03-MAR-08



Project Manager: Logan Anderson Elke Environmental, Inc. 4817 Andrews Hwy P.O. Box 14167 Odessa, tx 79768 Odessa, TX 79762

Reference: XENCO Report No: 298423 Pride Energy Project Address: State of New Mexico 36 # 2

Logan Anderson:

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 298423. 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. 298423 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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America





Sample Cross Reference 298423

Elke Environmental, Inc., Odessa, TX

Pride Energy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	w	Feb-25-08 10:45	43.8 - 52.4 ft	298423-001

١

A.
LAE

Certificate of Analy Summary 298423 Elke Eavironmentai, Inc., Odessa, TX

Project Name: Pride Energy

Project Location: State of New Mexico 36 # 2 Contact: Logan Anderson

Project 1d:

Date Received in Lab: Wed Feb-27-08 10:41 am Report Date: 03-MAR-08

Froject Location: State of New Mexico 30 # 2			-	
			Project Manager: Brent Barron, II	at Barron, 11
	Lab Id:	298421-601		
dan fucis Dominated	Field Id:			
nateanhau steannts	Depth:	43,8-52,4 ft		
	Matrix:	WATER		
	Sampled:	Feb-25-28 10:45		
Anions by EPA 300/300.1	Extracted:			
	Analyzed:	Feb-29-fik 10:58		
	Units/RL:	mg/L RL		
Chloride		450 5.00		
TPH Bv SW8015 Mod	Extracted:	Feb-29-0% 14:09		
	Analyzed:	Mar-01418 00:28		
	Units/RL:	mg/L RI.		
C6-C12 Gasoline Range Hydrocarbons		StD 1.50		
C12-C28 Diesel Range Hydrocurbons		1.'9 1.50		
C28-C35 Oil Range Hydrocarbons		MD 1.50		
Total TPH			-	
			بالا بالمتعالم المعالم المستحد المعالم المعالم المعامية المعالم ا	

Houston - Dallas - San Antonjo - Austin - Tanpu - Miami - Lutin Americu - Atlanta - Corpus Christi This analysical report, and the maine data package it represents, has been mark for your exclusive and confidenced see. The interpretations and routly expressed changing that have represent the basil automatu of XESNOI 4-isomatrias XENCO Laboratorica supersus an repressibility and marks no writtony to the red une of the data herdpy presented Out liability is limited to the amount invoited for this work order tarbest otherwise agreed to in writing. Since 1990

ì

Odessa Laboratory Director Brent Barron



- 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(PQL) and above the SQL(MDL).
- 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.
- * Outside XENCO'S scope of NELAC Accreditation

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

3

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

	Phone	rax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. 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
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477



Form 2 - Surrogate Recoveries



Project Name: Pride Energy

	Project II):					
8423-001 / SMP Bat	ch: 1 Matri	x: Water					
SUI	RROGATE RE	COVERY S	STUDY				
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
8.29	10.0	83	70-135				
4.37	5.00	87	70-135				
98542-001 S / MS Bat	tch: 1 Matri	ix: Water					
SU	RROGATE RI	ECOVERY S	STUDY				
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
11.0	10.0	110	70-135				
4.97	5.00	99	70-135				
05337-1-BKS/BKS Ba	tch: Matr	ix: Water	l				
	SURROGATE RECOVERY STUDY						
Amount Found [A]	True Amount B	Recovery %R	Control Limits %R	Flags			
	(**)	[D]					
10.5	10.0	105	70-135				
4,68	5.00	94	70-135				
05337-1-BLK / BLK Ba	itch: Matr	ix: Water					
SU	SURROGATE RECOVERY STUDY						
Amount Found [스]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags			
9.33	10.0	93	70-135				
5.07	5.00	101	70-135				
505337-1-BSD / BSD Ba	ntch: 1 Mat	rix: Water					
SU	JRROGATE R	ECOVERY	STUDY				
	Тгие		Control	Flags			
Amount Found ^[A]	Amount [B]	Recovery %R [D]	Limits %R				
Found	Amount		1				
	SU Amount Found [A] 8.29 4.37 98542-001 S / MS Ba SU Amount Found [A] 98542-001 S / MS Ba SU Amount Found [A] 11.0 4.97 05337-1-BKS / BKS Ba SU Amount Found [A] 10.5 4.68 05337-1-BLK / BLK Ba SU Amount Found [A] 9.33 5.07 05337-1-BSD / BSD	Batch: 1 Matri SURROGATE R Amount True Amount Found Amount IBI 8.29 10.0 4.37 5.00 98542-001 S / MS Batch: 1 Matri 8.29 10.0 4.37 5.00 98542-001 S / MS Batch: 1 Matri SURROGATE RI Amount True Amount True Amount IBI 11.0 10.0 4.97 5.00 05337-1-BKS / BKS Batch: 1 Matri Found Amount True Amount Found Amount IBI IIII 10.5 10.0 4.68 5.00 05337-1-BLK / BLK Batch: I Matri INS 10.5 10.0 4.68 9.33 10.0 5.07 5.00 05337-1-BLK / BLK Batch: I Matri 9.33 10.0 5.07 5.	SURROGATE RECOVERY SAmount Found [A]True Amount [B]Recovery %R [D]8.2910.0834.375.008798542-001 S / MSBatch:1Matrix: WaterSURROGATE RECOVERY SAmount Found [A]True (B]Recovery %R [D]Amount [A]True (B]Recovery %R (D]Amount [A]True (B]Recovery %R (D]Amount [A]True (B]Recovery %R (D]Amount [A]True (B]Recovery %R (D]D5337-1-BKS / BKS (A)Batch:1Matrix: WaterSURROGATE (A)Recovery %R (D]No 99D5337-1-BKS / BKS (A)Batch:1Matrix: WaterSURROGATE (A)Recovery %R (D]No (D)No (D)D5337-1-BKS / BKS (A)Batch:1Matrix: WaterSURROGATE (A)Recovery %R (D]No (D)No (D)D5337-1-BLK / BLK (A)Batch:1Matrix: WaterSURROGATE (A)Recovery %R (D)No (D)No (D)D5337-1-BLK / BLK (A)Batch:1Matrix: WaterSURROGATE (A)Recovery %R (D)No (D)No (D)D5337-1-BSD / BSDBatch:1Matrix: Water	Batch: 1 Matrix: Water SURROGATE RECOVERY STUDY Amount [A] True Amount [B] Recovery %R [D] Control Limits %R 8.29 10.0 83 70-135 8.29 10.0 83 70-135 8.29 10.0 83 70-135 98542-001 S / MS Batch: 1 Matrix: Water SURROGATE RECOVERY STUDY Amount Found [A] True (B] Recovery %R (D) Control Limits %R 11.0 10.0 110 70-135 05337-1-BKS / BKS Batch: 1 Matrix: Water SURROGATE RECOVERY STUDY Amount [A] True Amount [B] Recovery %R (D) Control Limits %R 05337-1-BKS / BKS Batch: 1 Matrix: Water SURROGATE RECOVERY STUDY Amount Found [A] True Amount [B] Recovery %R [D] Control Limits %R 05337-1-BLK / BLK Batch: 1 Matrix: Water SUROGATE RECOVERY STUDY Amount Found [A] True Amount Found [A] Matrix: Water SUROGATE RECOVERY STUDY Mamount Found [A]			

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Pride Energy

Work Order #: 298423	Project ID:							
Lab Batch #: 716008 Date Analyzed: 02/29/2008	Sample: 716008 Date Prepared: 02/29/2		Matrix: Water Analyst: LATCOR					
Reporting Units: mg/L	Batch #: 1		BLANK SPI			STUDY		
Anions by EPA 300/300.1	Blank Result	Spike Added	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags		
Analytes		B	[C]	[D]	70 K			
Chloride	ND	10.0	9.31	93	85-115			

Blank Spike Recovery $[D] = 100^{\circ}[C]/[B]$ All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

A CONTRACT OF A



(Passa)

•

Project Name: Pride Energy

Work Order #: 298423 Analyst: SHE		ä	ate Prepar	Date Prepared: 02/29/2008	20			Proj Date Ai	Project ID: Date Analyzed: 02/29/2008	2/29/2008	
Lab Batch ID: 716047	Sample: 505337-1-BKS	3KS	Bate	Batch #:]					Matrix: Water	/ater	
Units: mg/L			BLAN	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / B	ILANK S	PIKE DUPL	JCATE	RECOVE	RY STUD	X
TPH By SW8015 N	lod	Blank Samule Result	Spike Added	Blank Spike	Blank Spike	Spike Added	Blank Spike	BIK. Spk Dup.	QAN	Control Limits	ت ⁸
Analytes		[¥]		Result [C]	N.R.	8	Duplicate Result [F]	%R [G]	%	%R	*

Flag

Control Limits %RPD

23 25

70-135 70-135

3 r:i

88.3 77.8

100 100

8 6

90.0 79.2

198 19

C6-C12 Gasoline Range Hydrocarbons C12-C28 Diesef Range Hydrocarbons

QN QN

78 88

Relative Percent Difference RPD = 200•[(D-F)/(D+F)] Black Spike Recovery [D] = 100•(C)/[B] Black Spike Duplicate Recovery [G] = 100•(F)/[E] All results are based on MDL and Validated for QC Purposes

Form	n 3 - MS F	Recover	ies)		
Loboratories Project Name	: Pride Ener	gу				inea
Work Order #: 298423						
Lab Batch #: 716047			Pro	ject ID:	:	
Date Analyzed: 03/01/2008	Date Prepared:	02/29/2008		Analyst:	SHE	
QC- Sample ID: 298542-001 S	Batch #:	1		Matrix:	Water	
Reporting Units: mg/L.	МАТ	RIX / MA	FRIX SPIKE	RECO	VERY STU	JDY
TPH by SW8015 Mod	Parent Sample Result	Spike Added	Spiked Sample Result [C]	%R [D]	Control Limits %R	Flag
Analytes	[A]	[B]				
C6-C12 Gasoline Range Hydrocarbons	ND	100	87.4	87	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	100	77.2	77	70-135	

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



Sample Duplicate Recovery

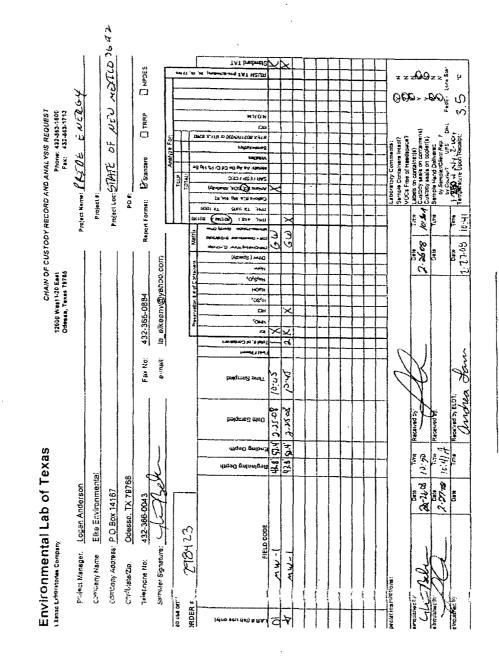


Project Name: Pride Energy

Work Order #: 298423

Lab Batch #: 716008 Date Analyzed: 02/29/2008	Date Prepared: 02/2	9/2008	Project f Analy	D: st: LATCOF	Ł
QC- Sample ID: 298555-001 D	Batch #: 1		•	ix: Water	
Reporting Units: mg/L	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Anions by EPA 300/300.1	Parent Sample Result	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte	[A]	[B]			
Chloride	ND	ND	NC	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) | All Results are based on MDL and validated for QC purposes.



Page 11 of 12

Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

Client:	Elke Envi							
Date/ Time:	2 27 08 10.41							
Lab'iD # :	298423							
Initiais:	aL							

Sample Receipt Checklist

	outliple receipt	unuennat			
				Client I	nitia
11	Temperature of container/ cooler?	Yes)	No	3.5 ·c	
2	Shipping container in good condition?	Yes !	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes.	No	(Not Present)	
#5	Chain of Custody present?	(es)	No		
#6	Sample instructions complete of Chain of Custody?	(es)	No		
#7	Chain of Custody signed when relinquished/ received?	(es)	No		
#8	Chain of Custody agrees with sample label(s)?	(feg)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	C	Na		
#11	Containers supplied by ELOT?	(e)	No		
#12	Samples in proper container/ bottle?	Ves	No	See Below	
#13	Samples property preserved?	Yes	No	See Below	
# 34	Sample bottles intact?	Yes	No		
#1!	Preservations documented on Chain of Custody?	Yes	No		
#16	5 Containers documented on Chain of Custody?	les	No		
#1	7 Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#1	8 All samples received within sufficient hold time?	Yes	No	See Below	
#1	9 Subcontract of sample(s)?	Yes	No	NOT Applicable	
#2	VOC samples have zero headspace?	Ces	No	Not Applicable	

Variance Documentation

Date/ Time:

Contacted by:

Contact:

Regarding:

Corrective Action Taken:

Check all that Apply:

See attached e-mail/ fax Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event

District.] 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office. For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes No X Type of action: Registration of a pit or below-grade tank Closure of a pit or below-grade tank X

Operator: Pride Energy Company Telephone:	918-524-9200 c-mail address: Jarryma	Inside-energy com		
Address: POBox 701950 Tulsa, OK 74170-1950				
Facility or well name: <u>State of New Mexico 36 #2</u> API #: <u>30-02</u>	-36909 U/L or Otr/Otr O	Sec 36 T 19S R 37E		
County: Lea Latitude				
Surface Owner: Federal [] State 🛛 Private [] Indian []		01112131415		
Rit	Below-grade tank			
Type: Drilling 🛛 Production 🗋 Disposal 🗋	Volume:bbi Type of fluid:			
Workover 🔲 Emergency \Box	Construction material:	1 00 10 00 00 00 00 00 00 00 00 00 00 00		
Lined 🛛 Unlined 🗔	Double-walled, with leak detection? Yes [] If not,			
Liner type: Synthetic I Thickness 12_mil Clay		P REHODE		
Pit Volumebbl		to the second		
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points) XXX (266282129792)		
high water elevation of ground water.) $\mathbf{GW} = 48'$	50 feet or more, but less than 100 feet	(10 points)		
nigh water elevation of ground water.) G w - 40	100 feet or more	(0 points)		
	Yes	(20 points)		
Wellhead protection area: (Less than 200 feet from a private domestic	No	(0 points) XXX		
water source, or less than 1000 feet from all other water sources.)				
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)		
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but tess than 1000 feet	(10 points)		
· · · · · · · · · · · · · · · · · · ·	1000 feet or more	(0 points) XXX		
	Ranking Score (Total Points)	20 points		

(5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: All excess drilling fluid will be removed. A burial pit will be excavated and lined with a 20 mil liner. The drilling mud will be mixed with Elke Environmental Solidification Product at a 20(mud) to 1(product) ratio to solidify the mud then placed in the burial pit. After all mud is removed the pit bottoms will be sampled Per NMOCD guidelines. The drilling pit will be backfilled with clean native soil and contoured to the surrounding area. A final report will be submitted after completion of The job.

NMOCD Hobbs will be given 48 hrs notice before start of job and 48 hrs notice before testing.

1 hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines [], a general permit [], or an (attgented alternative OCD-approved plan [].

Date: 12-10-07

Printed Name/Title Logan Anderson - Agent

Signature

Signature China Welliame Date: 12/10/07

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title CHRIS WILLIAMS

Form C-144 June 1, 2004

. OWNE			
	R OF WELL		
	Name: Pride Energy		
	Contact: Address: P.O. Box 701950		Home Phone:
	Rad 633. 1.0. DOX 101000		
	City: Tulsa		State: OK Zip: 74170
. LOCI	ATION OF WELL(A, B, C, or D required	E or F if know	(nw
	1/41/41/4 Section		
5			
в.	X =feet, Y =		teet, N.M. Coordinate System
	U.S.G.S. Quad Map		Stant.
с.	Latitude: <u>32</u> d <u>36</u> m <u>45.2</u>	s Longitu	de: <u>103</u> d <u>12</u> m <u>14.0</u> s
D.	East (m), North	(m), UTM	Zone 13, NAD (27 or 83)
E.	Tract No, Map No	of the	Hydrographic Survey
F.	Lot No, Block No	of Unit/Tract	O of the
	Subdivision	n recorded in	County.
G.	Othory.		
	Other:		
	Give State Engineer File Number if		
Н.		existing well	
Н. I.	Give State Engineer File Number if On land owned by (required): State	existing well	
н. I. 3. dri	Give State Engineer File Number if On land owned by (required): <u>State</u> LLING CONTRACTOR	existing well	
н. I. 3. dri	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR cense Number: WD-1456	existing well e of New Mexico	
н. I. 3. dri	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR cense Number: WD-1456 Name: White Drilling Company,	existing well e of New Mexico Inc.	:
н. I. 3. DRI Lic	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR eense Number: WD-1456 Name: White Drilling Company, Agent: John W. White	existing well e of New Mexico Inc.	:
н. I. 3. DRI Lic	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR mame: WD-1456 Name: White Drilling Company, Agent: John W. White Ling Address: P.O. Box 906	existing well e of New Mexico Inc.	: Work Phone: <u>325-893-2950</u> Home Phone: <u>325-893-2950</u>
н. I. 3. DRI Lic	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR ense Number: WD-1456 Name: White Drilling Company, Agent: John W. White Ling Address: P.O. Box 906	existing well e of New Mexico Inc.	: Work Phone: <u>325-893-2950</u> Home Phone: <u>325-893-2950</u>
H. I. 3.DRI Lic Mail	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR wame: WD-1456 Name: White Drilling Company, Agent: John W. White Ling Address: P.O. Box 906 City: Clyde	existing well e of New Mexico Inc.	: Work Phone: <u>325-893-2950</u> Home Phone: <u>325-893-2950</u> State: <u>TX</u> Zip: <u>79510</u>
H. I. 3. DRI Lic Mail 4. DRI	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR mame: WD-1456 Name: White Drilling Company, Agent: John W. White ing Address: P.O. Box 906 City: Clyde City: Clyde	existing well e of New Mexico Inc. xico 36-#2 MW	: Work Phone: <u>325-893-2950</u> Home Phone: <u>325-893-2950</u> State: <u>TX</u> Zip: <u>79510</u>
H. I. 3. DRI Lic Mail 4. DRI Dri	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR sense Number: WD-1456 Name: White Drilling Company, Agent: John W. White ing Address: P.O. Box 906 City: Clyde City: Clyde City: Clyde City: Clyde City: Clyde ; Complet	existing well e of New Mexico Inc. xico 36-#2 MW ed: 02/22/08	: Work Phone: <u>325-893-2950</u> Home Phone: <u>325-893-2950</u> State: <u>TX</u> Zip: <u>79510</u> N-1 ; Type tools: <u>Air Rotary</u>
H. I. 3. DRI Lic Mail 4. DRI Dri Siz	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR mame: WD-1456 Name: White Drilling Company, Agent: John W. White Ling Address: P.O. Box 906 City: Clyde City: Clyde City: Clyde City: Clyde City: Clyde City: Complet complet for the complete complete for the complete complete for the complete complete for the complete complete for the complete complete complete for the complete	existing well e of New Mexico Inc. xico 36-#2 MW ed: 02/22/08 of well: 51.0	: Work Phone: <u>325-893-2950</u> Home Phone: <u>325-893-2950</u> State: <u>TX</u> Zip: <u>79510</u> N-1 ; Type tools: <u>Air Rotary</u> ft.;
H. I. 3. DRI Lic Mail 4. DRI Dri Siz Com	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR ense Number: WD-1456 Name: White Drilling Company, Agent: John W. White Ling Address: P.O. Box 906 City: Clyde City: Clyde City: Clyde City: Clyde City: State of New Mex- Illing began: 02/22/08; Complet the of hole: 61/8 in.; Total depth upleted well is: Shallow	existing well e of New Mexico Inc. xico 36-#2 MW ed: 02/22/08 of well: 51.0 (shallow, arte	<pre>work Phone: 325-893-2950 Home Phone: 325-893-2950 State: TX Zip: 79510 N-1 ; Type tools: Air Rotary ft.; esian);</pre>
H. I. 3. DRI Lic Mail 4. DRI Dri Siz Gom	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR mame: WD-1456 Name: White Drilling Company, Agent: John W. White Ling Address: P.O. Box 906 City: Clyde City: Clyde City: Clyde City: Clyde City: Clyde City: Complet complet for the complete complete for the complete complete for the complete complete for the complete complet	existing well e of New Mexico Inc. xico 36-#2 MW ed: 02/22/08 of well: 51.0 (shallow, arte	<pre>work Phone: 325-893-2950 Home Phone: 325-893-2950 State: TX Zip: 79510 N-1 ; Type tools: Air Rotary ft.; esian);</pre>
H. I. 3. DRI Lic Mail 4. DRI Dri Siz Com	Give State Engineer File Number if On land owned by (required): State LLING CONTRACTOR ense Number: WD-1456 Name: White Drilling Company, Agent: John W. White Ling Address: P.O. Box 906 City: Clyde City: Clyde City: Clyde City: Clyde City: State of New Mex- Illing began: 02/22/08; Complet the of hole: 61/8 in.; Total depth upleted well is: Shallow	existing well e of New Mexico Inc. xico 36-#2 MW ed: 02/22/08 of well: 51.0 (shallow, arte	<pre>work Phone: 325-893-2950 Home Phone: 325-893-2950 State: TX Zip: 79510 N-1 ; Type tools: Air Rotary ft.; esian);</pre>

NEW MEXICO OFFICE OF THE STATE ENGINEED

File Number: Form: wr-20

page 1 of 4

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 MW-1

Depth i	.n Feet	Thickness	Description of	Estimated Yield
From	То	in feet	water-bearing formation	(GPM)
28.0	51.0	23.0	Tan sand & red shale.	
	,			
RECORD	OF CASI	NG		

6.F

Diameter	Pounds	Threads	Depth	in Feet	Length	Type of Shoe	Perfor	ations
(inches)	per ft.	per in.	Тор	Bottom	(feet)		From	То
2.0	Sch. 40	4.0	0.0	30.0	31.0			
2.0	.020	4.0	31.0	51.0	20.0		31.0	51.0

7. RECORD OF MUDDING AND CEMENTING

Depth	in Feet	Hole	Sacks	Cubic Feet	Method of Placement
From	То	Diameter	of mud	of Cement	
51.0	29.0	6 1/8	12.0		8/16 sand.
29.0	10.0	6 1/8	2.5		Bentonite Pellets
10.0	0.0	6 1/8	9.0	1.997	Cement

8. PLUGGING RECORD

Phone Trains to the	
Address:	
Plugging Method:	
Date Well Plugged:	
Plugging approved by:	•

State Engineer Representative

. .

	No.	Depth	in	Feet	Cubic	Feet	of	Cement
	Т	qc	Во	tom				
1								
2								
3								
4								
5								**************************************
	*****							······

File Number: Form: wr-20

page 2 of 4

Trn Number:

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

F	i	1	e	Number:	

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

9.LOG OF HOLE: State of New Mexico 36-#2 MW-1

Depth in feet Thickness Color and Type of Material Encountered From in feet Τo 0.0 1.0 1.0 Caliche. 7.0 1.0 8.0 Brown sandy clay. 23.0 8.0 15.0 Caliche. 23.0 26.0 3.0 Chert. 26.0 28.0 2,0 Dry gravel 28.0 49.0 21.0 Tan sand. 51.0 49.0 3.0 Red shale.

File Number:

Form: wr-20

page 3 of 4

Trn Number:

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

							e Num				
		NEW ME	exico o	FFICE OF WELL R		STATE	ENGI	NEE	R		
					20012						
A	DDITIONAL	STATEM	ENTS OF	EXPLANA	TIONS:	State	of 1	New	Mexico	36-#2	MW-1
	······										
······											
									<u></u>		
*****			and the second secon	19 9)811991 (1991 (19 %), san an a	<u></u>						
	Langer (
••••											
					•						
-#				· · · · · · · · · · · · · · · · · · ·							
	•										
		6									
		*				-		~		.	
The	e undersig	jned her foregoi	eby cert ng is a	tifies that true and	at, to correc	the be	st o rd o	f hi f th	s know. e abov	ledge a e desci	and cibed
bel	ief, the	gned her foregoi	eby cert ng is a	tifies the true and	at, to correc	the be t reco	st o rd o	f hi f th	s know. e abov	ledge a e desci	and cibed
bel	ief, the	gned her foregoi	eby cert ng is a	tifies the true and	at, to correc	t reco	rd o	f th	s know e abovi	ledge a e desci	and cibed
bel	ief, the	foregoi	ng is a	tifies that true and	at, to correc	t reco. S	rd o: 11018	5 th	s know. e abovi	ledge a e desci	and ribed
bel	ief, the	gned her foregoi	ng is a	tifies th true and	at, to correc	t reco	rd o: 11018	5 th	s know. e abovi	ledge a e desci	and cibed
bel	ief, the	foregoi	ng is a	tifies that true and	at, to correc	t reco. S	rd o: 11018	5 th	s know e abov	ledge a e desci	and ribed
bel	ief, the	foregoi	ng is a	tifies th true and	at, to correc	t reco. S	rd o: 11018	5 th	s know. e abov	ledge a e desci	and cibed
bel hol	lief, the le.	foregoi	ng is a	true and	correc	(mm7c	rd o: <u> 0 (</u> ad/yo	f th	e abov	e desci	cibed
bel hol	ief, the	foregoi	ng is a	true and	correc	(mm7c	rd o: <u> 0 (</u> ad/yo	f th	e abov	e desci	ribed
bel hol	lief, the le.	foregoi	ng is a	true and	correc	(mm7)	rd o:	f th	e abov	e desci	ribed
bel hol	lief, the le.	foregoi	ng is a	true and	correc	(mm7)	rd o:	f th	e abov	e desci	ribed
bel hol	lief, the le.	foregoi Dri,	ng is a	true and	COTTEC	(mm7)	rd of	f th	e abov	e desci	ribed
bel hol	lief, the le.	foregoi Dri,	ng is a	true and	COTTEC	(mm7)	rd of	f th	e abov	e desci	ribed
bel hol	lief, the le.	foregoi Dri,	ng is a	true and	COTTEC	(mm7 (mm7 R USE Locatio	rd of 100 d/y ONLY on No	f th	e abov	e desci	ribed

Number:
Number:

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

1. OWNER OF WELL Name: Pride Energy	Work Phone:
Contact:	liamp. Dhanna
Address: P.O. Box 701950	
City: Tulsa	State: OK Zip: 74170
2. LOCATION OF WELL(A, B, C, or D required, E or F if	known)
A. <u>1/4</u> <u>1/4</u> <u>1/4</u> Section: <u>36</u>	Township: 19S Range: 37E N.M.P.M.
in Lea	County.
B. X =feet, Y =	feet. N.M. Coordinate System
	Grant.
U.S.G.S. Quad Map	
C. Latitude: 32 d 36 m 44.3 s Lor	adituda: 103 d 12 m 135 s
D. East(m), North(m),	
E. Tract No, Map Noof the	Hydrographic Survey
F. Lot No, Block No of Unit/Tr	act O of the
Subdivision recorded	in County.
G. Other:	
U. Alexa America Province a Mile La	
H. Give State Engineer File Number if existing	well:
I. On Land owned by (required): State of New Me	exico
	under an flagtere andersproteinsprotegen. And andersproteinsche Barre an, dass verstagen in eine eine aus substa
3. DRILLING CONTRACTOR	
License Number: WD-1456	
Name: White Drilling Company, Inc.	Work Phone: 325-893-2950
Agent: John W. White Mailing Address: P.O. Box 906	Home Phone: 323-693-2930
Harring Address. T.O. DOX 500	
City: Clyde	State: TX Zip: 79510
4. DRILLING RECORD: State of New Mexico 36-#	
Drilling began: 02/22/08 ; Completed: 02/22/	
Size of hole: 61/8 in.; Total depth of well:	het particular and a second
Completed well is: shallow (shallow,	
Depth to water upon completion of well: Dry	ft.
	•

File Number: Form: wr-20

.

. . . .

page 1 of 4

Form provided by Forms On-A-Disk - 214-340-9429 - FormsOnADisk.com

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 TP-1 Depth in Feet Thickness Description of Estimated Yield From To in feet water-bearing formation (GPM) 6. RECORD OF CASING Diameter Pounds Threads Depth in Feet Length Type of Shoe Perforations (inches) per ft. per in. Top Bottom (feet) From To _____ _____ 7. RECORD OF MUDDING AND CEMENTING Hole Sacks Cubic Feet Method of Placement Diameter of mud of Cement Depth in Feet From To Bentonite Pellets 6 1/8 30.0 10.0 5.0 3.0 1.997 10.0 0.0 6 1/8 Cement 8. PLUGGING RECORD Plugging Contractor: White Drilling Company, Inc. ு கட பத்தி கடல்தல் முற்று மற்றும் நல்லாகத்தில் மற்றையத்தில் மற்றும் மல்லு தில் தில் தில் கடல் கடல் கடல் கடல் கடல் Address: P.O. Box 906, Clyde, TX 79510 Flugging Method: Hand Mix Date Well Plugged: 2/22/08 Plugging approved by: ___ State Engineer Representative No. Depth in Feet Cubic Feet of Cement Top Bottom 1 2_____ 3_____ 4 5_____

File Number: Form: wr-20

page 2 of 4

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

File	Number:

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

9.LOG OF HOLE: State of New Mexico 36-#2 TP-1

Depth in feet Thickness Color and Type of Material Encountered То From in feet 0.0 6.0 6.0 Excavated area. 6.0 14.0 8.0 Caliche. 14.0 27.0 13.0 Chert. 27.0 30.0 3.0 Dry gravel. • -----------,



File Number:

Form: wr-20

i

page 3 of 4

Trn Number:

•

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

	File Number:
	NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD
	ADDITIONAL STATEMENTS OR EXPLANATIONS: State of New Mexico 36-#2 TP-1
•	
•	
•	
•	
,	
	The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described
	$\frac{1}{2}$
	Driviler (mm/dd/year)
	FOR STATE ENGINEER USE ONLY
	FOR STATE ENGINEER USE ONLY

File	Number	:
------	--------	---

	ER OF WELL	
	Name: Pride Energy	
	Contact: Address: P.O. Box 701950	Home Phone:
	Address: F.O. BOX /01930	
	City: Tulsa	State: OK Zip: 74170
. LOC	ATION OF WELL(A,B,C,or D required,E or F if kno	wn)
	1/41/41/4 Section: 36 Tow	mship: 195 Range: 37E N.M.P.M.
	in Lea	County.
в.	X =feet, Y =	feet, N.M. Coordinate System
	Zone in the	
	U.S.G.S. Quad Map	
c.	Latitude: <u>32</u> d <u>36</u> m <u>44.7</u> s Longitu	nde: <u>103</u> d <u>12</u> m <u>12.6</u> s
D.	East(m), North(m), UTM	1 Zone 13, NAD (27 or 83)
E.	Tract No, Map No of the	Hydrographic Survey
	Lot No, Block No of Unit/Tract	
	Subdivision recorded in	
6.	Other:	
н.	Give State Engineer File Number if existing well	:
r	On land owned by (required): State of New Mexico	
۰.	The land contest by the quarter . State of her mearco	·
	ILLING CONTRACTOR	
Li	cense Number: WD-1456	 Work Phone: 325-893-2950
	Name: White Drilling Company, Inc. Agent: John W. White	
	ling Address: P.O. Box 906	
Mai		
Mai	City: Clyde	State: <u>TX</u> Zip: <u>79510</u>
Mai	sarsy. Silas	
		P-2
4. DR	ILLING RECORD: State of New Mexico 36-#2 Th illing began: 02/22/08 ; Completed: 02/22/08	
4. DR Dr Si	ILLING RECORD: State of New Mexico 36-#2 TI illing began: 02/22/08 ; Completed: 02/22/08 ze of hole: 61/8 in.; Total depth of well: 30.0	; Type tools: <u>Air Rotary</u>
4. DR Dr Si Co	ILLING RECORD: State of New Mexico 36-#2 Th illing began: 02/22/08 ; Completed: 02/22/08	; Type tools: <u>Air Rotary</u> <u> </u>

File Number: Form: wr-20

.

page 1 of 4

Form provided by Forms On-A-Disk - 214-340-9429 - FormsOnADisk.com

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 TP-2

Depth i From	n Feet To	Thickness in feet	Description of water-bearing formation	Estimated Yield (GPM)
				······
	<u></u>			

6. RECORD OF CASING

Diameter (inches)		Threads per in.	•	in Feet Bottom	Length (feet)	Type of Shoe	Perfor From	
					-			
	<u></u>		<u> </u>					
					****		•	

7. RECORD OF MUDDING AND CEMENTING

Depth	in Feet	Hole	Sacks	Cubic Feet	Method of Placement
From	То	Diameter	of mud	of Cement	
30.0	10.0	6 1/8	5.0		Bentonite Pellets
10.0	0.0	6 1/8	3.0	1.997	Cement

8. PLUGGING RECORD

bradied contra	White Drilling Company, Inc.
Address:	P.O. Box 906, Clyde, TX 79510
Plugging Method:	Hand Mix
Date Well Plugged:	2/22/08
Plugging approved by:	· · ·
	State Engineer Representative

	No.	Depth	in	Feet	Cubic	Feet.	of	Cement
	\mathbf{T}	op	Во	Ltom				
1								
2								
3								
4								
5								

File Number: Form: wr-20

page 2 of 4

	F	1	,L	е	N	um	be	r	;
--	---	---	----	---	---	----	----	---	---

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

Depth in feet Thickness Color and Type of Material Encountered From То in feet 6.0 0.0 6.0 Excavated area. 6.0 16.0 10.0 Caliche. 27.0 16.0 11.0 Chert. 27.0 30.0 3.0 Dry gravel. . n serve and a serve and a server and a server and a server as a server and the server and ---------..... . .

9.LOG OF HOLE: State of New Mexico 36-#2 TP-2

File Number: Form: wr-20

page 3 of 4

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

			File Number	
	NEW MEXICO C	FFICE OF THE WELL RECORD	STATE ENGINE	ER
ADDITIC	ONAL STATEMENTS OF	R EXPLANATIONS:	State of New	Mexico 36-#2 TP-2
	······································			
- <u></u>			*	
·····				
				M
	· · · · · · · · · · · · · · · · · · ·	,,,,,,,,,		
<u>.</u>				·····
		an a a sana amana kanya kanya kanya kanya yana sana a	enne v e e e e e en angelanget tang nationer	n alle dississi si sana kasara sana - ana adala alaya adala adala adala sa sana adala sa
The under belief, hole.	rsigned hereby cer the foregoing is a	tifies that, to true and corre	the best of h at record of t	is knowledge and he above described
	$O_{\mu\nu}$		3/10/08	
	Drifler		(mm/dd/year	·)
	FOR	STATE ENGINEE	R USE ONLY	
Quad	;FWL ;FSL	;Use	Location No.	
e Number: Form: w	r-20	page 4 of 4	Tro Numb	er:
			ed by Forms On-A-Disk ·	214-340-9429 · FormsOnADisk.co

File	Number	:
------	--------	---

NEW	MEXICO	OFFICE	OF	THE	STATE	ENGINEER
		WELI	L RE	ECORE)	

1.OWN	ER OF WEI			•		
	Name:	Pride Energy			Work Phone:	
	Contact:				Home Phone:	
	Address:	P.O. Box 7019	50	·····		
	C \$ 10.00	Tulsa			05-5- OK 75- 74170	
	City:	TUISA			State: OK Zip: 74170	
2. LOC	CATION OF	WELL (A, B, C, o	r D required,E o	r F if known	.) ·	
A.	1/4	1/4	1/4 Section:		ship: 19S Range: 37E N.M.P.	
	in <u>Lea</u>				County	7.
В	X =		foot Y =		foot N.M. Coordinate Sust	175
ω.		one in the			feet, N.M. Coordinate Syste Grant	
	U.S.G.S.	Quad Map				
6	r a in fan an de a	22 22				
					e: <u>103</u> d <u>12</u> m <u>13.4</u>	
D.	East	(m), No	orth	(m), UTM :	Zone 13, NAD (27 or 83)
Ε.	Tract No.	, Мар	Noof	the	Hydrographic Surve	y
F.	Lot No.	, Bloc	< No. of H	nit/Tract () of t	he
		,	Subdivision re	corded in	County	<i>i</i> .
G.	Other:					
			le Number if exi			
21.	orve stat	e angineer ri	ie sumber if ext	Sting weit:		
I.	On land c	wned by (requ	ired): State of I	New Mexico		
			an the particular to the first of the second second			eta national mu
	ILLING CO					
L1		er: WD-1456	ng Company, Inc.			
	Nan	ar: John W W	hite			
Mai	liog Addre	ss: P.O. Box 9	hite D6		nome rhone. <u>323-033-2330</u>	·
. 10 ,.	and noore				_	
	Ci	cy: Clyde				
		· · ·				
			of New Mexico			
Dr	illing beg	an: <u>02/22/08</u>	_; Completed:	02/22/08	_; Type tools: <u>Air Rotary</u>	;
			Total depth of			
CO De	mpieled we	er upon comple	(sh stion of well: D	arrow, arres	fr fr	
De	provide the second of	or abou compar	LEON OF NGLL, D	<u>.</u>	£ C .	

File Number: Form: wr-20

page 1 of 4

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 TP-3

۲

	n Feet To	Thickness in feet	water-	ption of bearing form		aa aharaa maxa ka	stimated Yield (GPM)
. RECORD			Depth	in Feet	Length	Type of Shoe	Perforations
		ft. per in.		Bottom	(feet)		From To
		DING AND CE					
Depth From	in Feet To	Hole Diameter		Cubic Feet of Cement		Method of Plac	
40.0	10.0	6 1/8	8.0		Ben	tonite Pellets	•
10.0	0.0	6 1/8	3.0	1.997	Cem	ient	
	ugging Me	iress: P.O. Bo thod: Hand M ugged: 2/22/08	Лix	yde, TX 79510			
Phugain	a approve	ed by:					
				State En	gineer R	epresentative	
	Nc). Depth in F Top Bot		dic Feen of C	ement		
	1						
	2 3					-	
	,			******		-	
						<u></u>	
File Numb	er: m: wr-20				Τr	n Number:	

Form provided by Forms On-A-Disk - 214-340-9429 - FormsOnADisk.com

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

9.LOG OF HOLE: State of New Mexico 36-#2 TP-3

Depth in feet Thickness Color and Type of Material Encountered Erom To in feet 0.0 6.0 6.0 Excavated area. 6.0 19.0 13.0 Caliche. 27.0 8.0 19.0 Chert. 27.0 7.0 34.0 Dry gravel. 34.0 6.0 40.0 Tan sand. *



File Number: Form: wr-20

page 3 of 4

		NEW MEXICO		L RECORD				•
10.	ADDITIONAL	STATEMENTS	OR EXPL	NATIONS :	State of	New Mexic	o 36-#2	TP-3

-	*							
			***************************************	·····				
							·····	
							· · · · · · · · · · · · · · · · · · ·	
		4404400 AA2444 AB24 AB24 AB24 AB24 AB24 AB24 AB						
ł	The undersign pelief, the s nole.	hed hereby d	certifies	that, to and correc	the best t record	of his know of the abo	wledge a ve descr	nd ribed
ł	belief, the s	ned hereby of foregoing i	certifies	that, to and correc	the best t record	of his know of the abo	wledge a ve descr	and ribed
ł	belief, the s	hed hereby d	certifies	that, to and correc	the best t record	of his know of the abov (6% (ear)	∦ledge a ve descr	nd tibed
ł	belief, the s	bed hereby of foregoing is Driller	certifies	that, to and correc	the best t record	of his know of the abo (05 (ear)	wledge a ve descr	ind ibed
k ł	belief, the s	bed hereby of foregoing i Driller	certifies a true a	and correc	t record	of the abo	ve descr	ibed
k ł	belief, the shole.	bed hereby of foregoing in Oriller	certifies a true a	and correc	t record	of the abo	ve descr	ibed
: ; ;	belief, the shole.	bed hereby of foregoing i Driller	FOR STATE	ENGINEE	t record	of the abo	ve descr	ibed

•

NEW	MEXICO	OFFICE	OF	THE	STATE	ENGINEER
		WEL	L RE	ECORE)	

1. OWNER OF WELL	
Name: Pride Energy	Work Phone:
Contact:	Home Phone:
Address: P.O. Box 701950	-
City: Tulsa	State: OK Zip: 74170
2. LOCATION OF WELL (A, B, C, or D required, E or F if know	m)
A. <u>1/4</u> 1/4 1/4 Section: <u>36</u> Town	nship: 19S Range: 37E N.M.P.M.
in Lea	County.
B. X =feet, Y =	Eeet, N.M. Coordinate System
Zone in the	Grant.
U.S.G.S. Quad Map	
C. Latitude: <u>32</u> d <u>36</u> m <u>45.1</u> s Longitud	de: <u>103</u> d <u>12</u> m <u>13.0</u> s
D. East(m), North(m), UTM	Zone 13, NAD (27 or 83)
E. Tract No, Map No of the	Hydrographic Survey
F. Lot No, Block No of Unit/TractSubdivision recorded in	Oof the County.
G. Other:	
H. Give State Engineer File Number if existing well:	
I. On land owned by (required): State of New Mexico	
	аннала на
3. DRILLING CONTRACTOR	
License Number: WD-1456 Name: White Drilling Company, Inc.	Work Phone: 325-893-2950
Agant, John W/ White	110mg Phones 225 903 2050
Mailing Address: P.O. Box 906	
City: Clyde	State: TX Zip: 79510
4. DRILLING RECORD: State of New Mexico 36-#2 TP	-4
Drilling began: 02/22/08 ; Completed: 02/22/08	; Type tools: Air Rotary ;
Size of hole: 61/8 in.; Total depth of well: 30.0	ft.;
Completed well is: shallow (shallow, arte	
Depth to water upon completion of well: Dry	ft.

page 1 of 4

,

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 TP-4

Erom	in Feet To	in feet	hickness Description of in feet water-bearing formation				Estimated Yield (GPM)		(ield
Diame	OOF CASIN	NG ds Threads lt. per in.	Depth	in Feet	Length	Type of	Shoe	Perfor From	
7 . RECORI	D OF MUDD:	ING AND CE	MENTING		•				
		Hole		Cubic Fee	t	Method of	Placen	nent	
From			of mud	of Cement					
		6 1/8 6 1/8		1 997	Cen	tonite Pelle vent	ts		
			*****			·····			
		D t :: White (Drilling Co	mpany, Inc.					
Pluar	ire Contra: Addi	D † <u>† White (</u> ress: <u>P.O. B</u> o	Drilling Co ox 906, Cly	mpany, Inc.					
Pluan	ire Contra: Addr lugging Met	D t :: White (Drīlling Co ox 906, Cly Iix	mpany, Inc.					
Pluco P Dat	ing Contra: Addr lugging Met e Well Plug	D t r White (cess: P.O. Bo chod: Hand N	Drilling Co ox 906, Cly Aix	mpany, Inc. yde, TX 7951	D				
Pluco P Dat	ing Contra: Addr lugging Met e Well Plug	D tess: <u>P.O. Bo</u> thod: <u>Hand M</u> gged: <u>2/22/08</u>	Drilling Co ox 906, Cly Aix	mpany, Inc. yde, TX 7951	D				
Pluco P Dat	ire Contra: Addr lugging Met e Well Plug ng approved	D tess: <u>P.O. Bo</u> thod: <u>Hand M</u> gged: <u>2/22/08</u>	Drilling Co ox 906, Cly Aix	mpany, Inc. /de, TX 7951(State E	D ngineer R				
Pluco P Dat	ire Contra: Addr lugging Met e Well Plug ng approved No. 1	D : : White (cess: P.O. Bo :hod: Hand M gged: 2/22/08 i by: . Depth in F Fop Bot	Drīlling Co ox 906, Cly Aix Feet Cub	mpany, Inc. /de, TX 79510 State E ic Feet of 0	D ngineer R Cement	epresentat.			
Pluco P Dat	ire Contra: Addr lugging Met e Well Plug ng approved No. 1 22	D tess: P.O. Bo thod: Hand M gged: 2/22/08 d by: Depth in F Top Bot	Drilling Co ox 906, Cly Aix	mpany, Inc. /de, TX 79510 State E ic Feet of 0	D ngineer R Cement	epresentat.			
Pluco P Dat	ire Contra: Addr lugging Met e Well Plug ng approved No. 1 22	D : : White (cess: P.O. Bo :hod: Hand M gged: 2/22/08 i by: . Depth in F Fop Bot	Drilling Co ox 906, Cly flix	mpany, Inc. /de, TX 79510 State E ic Feet of 0	D ngineer R Cement	epresentat.			

File Number: Form: wr-20

page 2 of 4

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

Depth in From	feet To	Thickness in feet	Color and Type of Material Encountered
0.0	6.0	6.0	Excavated area.
6.0	24.0	18.0	Caliche.
24.0	29.0	5.0	Chert.
29.0	30.0	1.0	Dry gravel.
·····			
		**************************************	······································
		1971) M 1107 M 1107 M 110 M	
·····		······	
			
			NULLE
	and Approximate Access	nago tito gagtama consulas a apra	an and an share data an an and taggang man are and an analysing tark many particular data an approximation of a
uttet#10000000000000000000000000000000000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
······			
			1999 - 199
Parameter and the second s			
		\$70794199820278868881484221288888	
		·····	
	·····	·····	
-41-11-11-11-11-11-11-11-11-11-11-11-11-			
		······	
·····			
		<u>A</u>	
		·····	

9.LOG OF HOLE: State of New Mexico 36-#2 TP-4

File Number: Form: wr-20

.

page 3 of 4

Trn Number:

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

						£ 1 1	Le Nun	wer.			
		NEW N	MEXICO			E STATE	ENGI	NEE	R		
				WEI	LL RECO	RD					
ADDI	TIONAL	STATE	EMENTS	OR EXPI	ANATION	S: State	of 1	New	Mexico	36-#2	TP-4
				···			*******				

							,				
	··· · · · · · · · · · · · · · · · · ·					****					
					· · · · · · · · · · · · · · · · · · ·						
			· · · · · · · · · · · · · · · · · · ·								
The up	dereig	ned be		• 10.				e bi			
belief				ertifies	s that,	to the be rect recc					
				ertifies	s that,						
belief				ertifies	s that,	rect reco	ord o	f th			
belief		forego	$\sum_{i=1}^{n}$	ertifies a-true	s that, and cor	rect reco	ord of	f th	e above		
belief		forego	$\sum_{i=1}^{n}$	ertifies a-true	s that, and cor	rect reco	ord of	f th	e above		
belief		forego	$\sum_{i=1}^{n}$	ertifies a-true	s that, and cor	rect reco	ord of	f th	e above		
belief		forego	$\sum_{i=1}^{n}$	ertifies a-true	s that, and cor	rect reco	ord of	f th	e above		
belief hole.	, the	forego Dr;	ling is	ertifies a∽true	s that, and cor	rect reco	ord o	f th	e above	e descr	ibed
belief hole.	, the	forego Dr;	ling is	ertifies a∽true	s that, and cor	rect recc	ord o	f th	e above	e descr	ibed
belief hole.	, the	forego Dr;	ling is	ertifies a∽tµue	s that, and cor	rect recc		f th ear)	e above	e descr	ibed
belief hole.	, the	forego Dr;	ling is	ertifies a∽tµue	s that, and cor	rect recc 3 (mm/		f th ear)	e above	e descr	ibed
belief hole.	, the 	forego Dr;	fr	ertifies a-true ,	e ENGIN	rect recc 3 (mm/	ONLY	f th ear)	e above	e descr	ibed
belief hole.	, the 	forego Dr;	fr	ertifies a-true ,	e ENGIN	rect recc 3 (mm) EER USE	ONLY	f th ear)	e above	e descr	ibed
Quad _	, the	Dr;	fr	ertifies a-true , , , , , , , , , , , , , , , , , , ,	s that, and cor	EER USE	ONLY	f th ear)	e above	e descr	ibed

•

	File Number:
NEW MEXICO OFFICE OF THE STAT WELL RECORD	TE ENGINEER
1. OWNER OF WELL	
Name: Pride Energy	Work Phone:
Contact:	Nome Dhene:
Address: P.O. Box 701950	-
City: Tulsa	State: OK Zip: 74170
2. LOCATION OF WELL (A, B, C, or D required, E or F if know	n)
A. <u>1/4</u> <u>1/4</u> <u>1/4</u> Section: <u>36</u> Town in <u>Lea</u>	
B. X = Eeet, Y = Zone in the	feet, N.M. Coordinate SystemGrant.
U.S.G.S. Quad Map	
C. Latitude: <u>32</u> d <u>36</u> m <u>45.1</u> s Longitud	de: <u>103</u> d <u>12</u> m <u>13.0</u> s
D. East (m), North (m), UTM	Zone 13, NAD (27 or 83)
E. Tract No, Map Noof the	Hydrographic Survey
F. Lot No, Block No of Unit/Tract Subdivision recorded in	O of the
G. Other:	
H. Give State Engineer File Number if existing well:	
I. On land owned by (required) State of New Mexico	
3. DRILLING CONTRACTOR	
License Number: WD-1456	
Name: White Drilling Company, Inc. Agent: John W. White	Home Phone: 325-893-2950
Mailing Address: P.O. Box 906	
	_
City: Clyde	
4. DRILLING RECORD: State of New Mexico 36-#2 TP Drilling began: <u>02/22/08</u> ; Completed: <u>02/22/08</u>	
Size of hole: 6 1/8 in.; Total depth of well: 40.0	, Type coord,,,,,,
Completed well is: shallow (shallow, arte	
Depth to water upon completion of well: Dry	ft.

File Number: Form: wr-20

page 1 of 4

Trn Number:

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

5. PRINCIPAL WATER-BEARING STRATA: State of New Mexico 36-#2 TP-5

Depth i From	in Fe To		in feet	water-)	ption of bearing forma			Est	(GPM)	Yield
. RECORD	 OF	CASIN	G							•
Diamet (inche	er s)	Pound per ft	s Threads	Bepth Top	in Feet Bottom	Length (feet)	Type of	Shoe	Perfor From	ations To
. RECORD Depth			NG AND CE		Cubic Feet		lethod of	Placem		
From	то) 	Diameter	of mud	of Cement				1 m - 2 k he	
40.0				<u>x n</u>		Dont	a muta 17 alla	10		
10.0	0.0		6 1/8	8.0 3.0	1.997		onite Pelle ent			
10.0 B. PLUGGI Fluggi	0.0	0 RECORD	6 1/8	3.0 Drilling Colors 906, Cly	1.997 mpany, Inc. de, TX 79510	Cem	ent			
10.0 B. PLUGGI Fluggin Pluggin	0.0 NG 1 27 2 uggi	0 RECORD Datroit Addre	6 1/8 White ess: P.O. B hod: Hand I	3.0 Drilling Colors 906, Cly Mix	mpany, Inc.	Cem	ent			
10.0 B. PLUGGI Fluggi Pl Date	NG I NG I NG I Wel	0 RECORD Addre ng Meth 1 Plugg	6 1/8 White ess: P.O. B hod: Hand I ged: 2/22/08	3.0 Drilling Col ox 906, Cly Mix	mpany, Inc. de, TX 79510	Cem	ent			
10.0 B. PLUGGI Fluggi Pl Date	NG I NG I NG I Wel	0 RECORD Addre ng Meth 1 Plugg	6 1/8 White ess: P.O. B hod: Hand I	3.0 Drilling Col ox 906, Cly Mix	mpany, Inc. /de, TX 79510	Cem	ent			······
10.0 B. PLUGGI Fluggi Pl Date	NG I NG I NG I Wel	0 RECORD Addre ng Meth 1 Plugg	6 1/8 White ess: P.O. B hod: Hand I ged: 2/22/08	3.0 Drilling Col ox 906, Cly Mix	mpany, Inc. de, TX 79510	Cem	ent			······
10.0 B. PLUGGI Fluggi Pl Date	NG I NG I NG I Wel	0 RECORD Addre ng Meth 1 Plugg proved	6 1/8 White ess: P.O. B hod: Hand I ged: 2/22/08	3.0 Drilling Col ox 906, Cly Mix	mpany, Inc. de, TX 79510 State Eng	Cem	ent			······
10.0 8. PLUGGI Fluggi Pl Date	NG I NG I NG I Wel	0 RECORD Addre ng Meth 1 Plugg proved No.	6 1/8 White ess: P.O. B hod: Hand M ged: 2/22/08 by:	3.0 Drilling Color ox 906, Cly Mix 3	mpany, Inc. /de, TX 79510	Cem	ent			
10.0 8. PLUGGI Fluggi Pl Date	NG I NG I NG I Wel	0 RECORD Addre ng Meth 1 Plugg proved No.	6 1/8 White less: P.O. B hod: Hand N ged: 2/22/08 by: Depth in F op Bot	3.0 Drilling Color ox 906, Cly Mix 3 Feet Cubi	mpany, Inc. de, TX 79510 State Eng ic Feet of Ce	Cem	ent			
10.0 8. PLUGGI Fluggi Pl Date	NG I NG I NG I Wel	0 RECORD Addre ng Meth 1 Plugg proved No. Te 2	6 1/8 White ess: P.O. Bo hod: Hand M ged: 2/22/08 by: Depth in F op Bot	3.0 Drilling Color ox 906, Cly Mix 3 Feet Cubi	mpany, Inc. Ide, TX 79510 State Eng ic Feet of Cer	Cem	ent			
10.0 8. PLUGGI Fluggi Pl Date	NG I NG I NG I Wel	0 RECORD Addre ng Meth 1 Plugg proved No. Te 1 3	6 1/8 White less: P.O. Bond: Hand M ged: 2/22/08 by: Depth in Fop Bot	3.0 Drilling Color ox 906, Cly Mix 3 Feet Cubi	mpany, Inc. de, TX 79510 State Eng ic Feet of Ce	Cem	ent			······

File Number: Form: wr-20

page 2 of 4

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

NEW MEXICO OFFICE OF THE STATE ENGINEER WELL RECORD

9.LOG OF HOLE: State of New Mexico 36-#2 TP-5

Depth in feet Thickness Color and Type of Material Encountered From то in feet 0.0 6.0 6.0 Excavated area. 6.0 23.0 17.0 Caliche. 23.0 26,0 3.0 Chert. 26.0 32.5 6.5 Dry gravel. 32.5 40.0 7.5 Tan sand. . .



File Number: Form: wr-20

page 3 of 4

Trn Number:

Form provided by Forms On-A-Disk · 214-340-9429 · FormsOnADisk.com

ANDITIONA	L STATEMENT	S OR EYDT.M	IATTONS -	Stata of	Now	Mavias	36-#2	TD-5
				State OI	. New	MEXICO	JU~ #Z	JE - J
						·····		
				· · · · · · · · · · · · · · · · · · ·				
				·				
· · · · · · · · · · · · · · · · · · ·								
						1		
				AM				
····								
	******	******						
The undersi	aned hereby	certifies	that to	the hest	of hi	s knowl		
belief, the	gned hereby foregoing	certifies is a true a	chat, to id correc	the best t record	of hi of th	s knowl e above	.edge a	nd
The undersi belief, the hole.	gned hereby foregoing	certifies fis a true an	that, to d correc	the best t record	of hi of th	s knowl e above	.edge a	nd ibed
belief, the	gned hereby foregoing	certifies is a true an 2	that, to ad correc	the best t record 3/10	of hi of th	s knowl e above	.edge a	nd ibed
belief, the	gned hereby foregoing Drifler	is a true an	chat, to id correc	the best t record $\frac{3}{0}$	of hi of th 08 (year)	e above	.edge a	nd ibed
belief, the	foregoing	is a true an	chet, to id correc	t record $3/0$	of th	e above	.edge a	nd ibed
belief, the	foregoing	is a true an	that, to nd correc	t record $3/0$	of th	e above	.edge a	nd ibed
belief, the hole.	foregoing to bridler	is a true an	nd correc	$\frac{3}{(mm)}$ dd	of th	e above	.edge a e descr	ibed
belief, the hole.	foregoing	is a true an	nd correc	$\frac{3}{(mm)}$ dd	of th	e above	.edge a e descr	ibed
belief, the hole.	foregoing to bridler	is a true an	d correc	t record	of th	e above	.edge a e descr	ibed
belief, the hole.	foregoing : Drifler	for state	ENGINEE	T record	of th (year) LY	e above	edge a descr	ibed
belief, the hole.	foregoing to bridler	for state	ENGINEE	T record	of th (year) LY	e above	edge a descr	ibed
belief, the hole.	foregoing : Drifler	for state	ENGINEE	T record	of th (year) LY	e above	edge a descr	ibed

.



ATTACHMENT B

SECOND GROUNDWATER SAMPLING RESULTS (TRIDENT ENVIRONMENTAL)



WELL SAMPLING DATA FORM

	CLIENT:	Pride E	Energy Co	mpany	-	WELL ID:	MW- 1
SI	TE NAME:		State 36 #2	2	-	DATE:	March 27, 2008
SITE L	OCATION:	T19S-R3	37E-Sec 3	<u>6 Unit O</u>	_		Gil Van Deventer
L	AT/LONG:	N 33º 36'	45.2", W	103º 12'	14.0"		
PURGING	METHOD	:	🗹 Hand Ba	iled 🗌 Pu	ımp lf Pւ	ump, Type:	
SAMPLIN	G METHO	D:	🗹 Disposat	ole Bailer [Direct	from Disch	arge Hose 🔲 Other:
DESCRIB	E EQUIPM	ENT DECO	NTAMINAT	ION METH		ORE SAMPI	ING THE WELL:
Glove:	s 🗹 Alcono	ox 🗹 Distil	led Water R	inse 🗌 🤇	Other:		
				Surface	a Dischar		ms 🔲 SWD Disposal Facility
					Dischar		
	EPTH OF V O WATER:	VELL:	<u> </u>	Feet Feet		32'-52' bas	Well Screen Interval (adjusted from driller's well record)
		COLUMN:		Feet		4.2	Minimum gallons to purge 3 well volumes
WELL DIA	METER:	2.0	Inch			5	Actual Gallons purged
TIME	VOLUME PURGED		COND. mS/cm	рН	DO mg/L		PHYSICAL APPEARANCE AND REMARKS
10:32 AM		20.1	2.39	7.00	4.2		Silty reddish
10:35 AM		19.2	2.43	7.02	5.7		
10:38 AM	3	19.3	2.33	7.05	5.7		Clearing somewhat
10:40 AM	4	19.3	2.23	7.07	5.7		
10:48 AM	5	20.1	2.68	7.05	6.2		
10:50 AM							Collected samples in the following containers:
							2 - 40 ml VOA + + 2 - 500 ml plastic
	_						
							
	:Total Time	e (hr:min)		:Total Vol	(gal)		:Average Flow Rate (gal/min)
COMMEN	TS:	Hanna Moo	lel HI98130	used to obt	tain temp	erature, cor	nductivity, & pH, measurements.

Milwaukee Model SM600 used to obtain dissolved oxygen measurements.

Delivered samples to Xenco Laboratories /Environmental Lab of Texas for BTEX, Major Ions, and TDS analyses.

Analytical Report 300607

for

R.T. Hicks Consultants, LTD

Project Manager: Randy Hicks

Pride Energy Company

State 36 # 2

03-APR-08



12600 West I-20 East Odessa, Texas 79765

Texas certification numbers: Houston, TX T104704215

Florida certification numbers: Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675 Norcross(Atlanta), GA E87429

> South Carolina certification numbers: Norcross(Atlanta), GA 98015

> North Carolina certification numbers: Norcross(Atlanta), GA 483

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America Midland - Corpus Christi - Atlanta





03-APR-08

Project Manager: **Randy Hicks R.T. Hicks Consultants, LTD** 901 Rio Grande Blvd. NW, Suite F-142 Albuquerque, NM 87104

Reference: XENCO Report No: **300607 Pride Energy Company** Project Address: T19S-R37E, Section 36, Unit Letter O

Randy Hicks:

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 300607. 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. 300607 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

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America





Sample Cross Reference 300607



R.T. Hicks Consultants, LTD, Albuquerque, NM

Pride Energy Company

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Mar-27-08 10:50		300607-001

Certificate of Analysis Summary 300607 R.T. Hicks Consultants, LTD, Albuquerque, NM

Project Name: Pride Energy Company

	- j - ·
Project Id:	State 36 # 2
Contact:	Randy Hicks
Project Location:	T19S-R37E, Section 36, Unit Letter O

Date Received in Lab: Mar-28-08 02:30 pm **Report Date:**

03-APR-08 Brent Barron, II

Project Manager:

	Lab Id:	300607-00	01		1	
Analysis Requested	Field Id:	MW-1	••			
Analysis Requesieu	Depth:					
	Matrix:	WATER	,			
	Sampled:	Mar-27-08 1				
	Extracted:	14141-27-00 1	0.50			
Alkalinity by SM2320B	Analyzed:	Apr-01-08 1	0.20			
	Units/RL:	mg/L	0.50 RL			
Alkalinity, Carbonate (as CaCO3)	Units/KL:	ND	4.00			
Alkalinity, Bicarbonate (as CaCO3)		240	4.00			
Alkalinity, Total (as CaCO3)		240	4.00			
	Extracted:	240	4.00			
Anions by EPA 300/300.1	Analyzed:	Apr-01-08 2	1.25			
	Units/RL:	mg/L	RL			
Chloride	Omis/KL.	557 D	10.0			
Sulfate		182 D	10.0			
	Extracted:	Apr-01-08 0				
BTEX by EPA 8021B	Analyzed:	Apr-01-08 0				
	Units/RL:	-	7.40 RL			
Benzene	Units/KL:	mg/L ND	0.0010			
Toluene		ND	0.0010			
······································		ND ND	0.0020			
m,p-Xylenes		ND ND	0.0010			
o-Xylene		ND ND	0.0020			
Xylenes, Total		ND	0.0010			
Total BTEX		ND		· · · · · · · · · · · · · · · · · · ·		
	Extracted:	ND				
Metals per ICP by SW846 6010B		Apr-01-08 1	0.54			
	Analyzed:					
Calaine	Units/RL:	mg/L	RL			
Calcium		184	0.100			
Magnesium		41.4	0.010			
PotassiumSodium		5.09	0.500			
	Extracted:	104	0.500	· · · · · · · · · · · · ·		
TDS by SM2540C	Analyzed:	Mar-31-08 1	6.00			
	Units/RL:					
Total dissoluted collide	Units/KL?	mg/L 1770	RL			
Total dissolved solids		1770	10.0	.		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. In liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Brent Barron

Odessa Laboratory Director

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi



- 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(PQL) and above the SQL(MDL).
- 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.
- * Outside XENCO'S scope of NELAC Accreditation

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994. Certified and approved by numerous States and Agencies. A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

.....

	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
9701 Harry Hines Blvd , Dallas, TX 75220	(214) 902 0300	(214) 351-9139
5332 Blackberry Drive, Suite 104, San Antonio, TX 78238	(210) 509-3334	(210) 509-3335
2505 N. 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
6017 Financial Dr., Norcross, GA 30071	(770) 449-8800	(770) 449-5477



Form 2 - Surrogate Recoveries



Project Name: Pride Energy Company

ork Order #: 300607			Project II	D: State 36 #	2	
Lab Batch #: 718729 Sample:	300607-001 / SMP			x: Water		
Units: mg/L		SU	RROGATE RI	COVERY	STUDY	
BTEX by EPA 8021B	Amou Foun [A]		True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
I,4-Difluorobenzene	0.0335		0.0300	112	80-120	
4-Bromofluorobenzene	0.0291		0.0300	97	80-120	
Lab Batch #: 718729 Sample:	: 300748-002 S / MS	Bat	ch: 1 Matri	x: Water		
Units: mg/L		SU!	RROGATE RI	COVERY	STUDY	
BTEX by EPA 8021B	Amou Foun [A]		True Amount [B]	Recovery %R	Control Limits %R	Flag
Analytes				[D]		
1,4-Difluorobenzene	0.0276		0.0300	92	80-120	
4-Bromofluorobenzene	0.0291		0.0300	97	80-120	
Lab Batch #: 718729 Sample:	300748-002 SD / MSD	Bat	ch: Matri	x: Water		
Units: mg/L		SU	RROGATE RE	COVERY	STUDY	
BTEX by EPA 8021B	Amou Foun [A]		True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
Analytes	0.0323		0.0300	108	80-120	
4-Bromofluorobenzene	0.0345		0.0300	115	80-120	
Lab Batch #: 718729 Sample:	506766-1-BKS / BKS	Bat	ch: Matri	x: Water	L}	
Units: mg/L			RROGATE RE		STUDY	
BTEX by EPA 8021B Analytes	Amou Foun [A]		True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1,4-Difluorobenzene	0.0265		0.0300	88	80-120	
4-Bromofluorobenzene	0.0296		0.0300	99	80-120	
Lab Batch #: 718729 Sample:	506766-1-BLK / BLK	Bat	ch: ¹ Matri	x: Water		
Units: mg/L		SUI	RROGATE RE	COVERY S	STUDY	
BTEX by EPA 8021B Analytes	Amou Foun [A]		True Amount [B]	Recovery %R [D]	Control Limits %R	Flag
1.4-Difluorobenzene	0.0331		0.0300	110	80-120	
1,4-Dimuorobenzene						

~ ** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries



Project Name: Pride Energy Company

ork Order #: 300607 Lab Batch #: 718729 Units: mg/L	Sample: 506766-1-E		v	D: State 36 # rix: Water ECOVERY S		
BTEX by F		Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene		0.0264	0.0300	88	80-120	
4-Bromofluorobenzene		0.0299	0.0300	100	80-120	_

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / BAll results are based on MDL and validated for QC purposes.





Project Name: Pride Energy Company

Work Order #: 300607			· Pi	roject ID:		Sta	te 36 # 2
Lab Batch #: 718713	Sam	ple: 718713-	1-BKS	Matri	ix: Water		
Date Analyzed: 04/01/2008	Date Prepa	red: 04/01/20	008	Analy	st: WRU		
Reporting Units: mg/L	Batc	h #: 1	BLANK /	BLANK SPI	KE REC	COVERY S	STUDY
Alkalinity by SM2320B		Blank Result	Spike Added	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes		[A]	[B]	[C]	%R [D]	70 K	
Alkalinity, Total (as CaCO3)		ND	200	174	87	80-120	
Lab Batch #: 718755	Sam	ple: 718755-	I-BKS	Matri	ix: Water		
Date Analyzed: 04/01/2008	Date Prepa	red: 04/01/20	008	Analy	st: MAB		
Reporting Units: mg/L	Batc	h#: l	BLANK /	BLANK SPI	KE REC	COVERY S	STUDY
Anions by EPA 300/300.1		Blank Result A	Spike Added B	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes			[0]	[C]	[D]	701	
Chloride		ND	5.00	4.99	100	85-115	
Sulfate		ND	5.00	4.78	96	90-110	· ·

Blank Spike Recovery [D] = 100*[C]/[B] All results are based on MDL and validated for QC purposes.



BS / BSD Recoveries



Project Name: Pride Energy Company

Work Order #: 300607 Analyst: SHE Lab Batch ID: 718729 Sample: 506766-1-BKS Units: mg/L

Date Prepared: 04/01/2008

Batch #:]

Project ID: State 36 # 2 **Date Analyzed:** 04/01/2008 Matrix: Water

Units: mg/L		BLANI	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY	PIKE / B	LANK S	PIKE DUPL	ICATE 1	RECOVE	RY STUD	Y	
BTEX by EPA 8021B	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added		Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes		 B	[C]	[a]	[E]	Result [F]	<u>[</u>]				-
Benzene	QN	0.1000	0.0930	63	0.1	0.0851	\$\$	6	70-125	25	
Toluene	QN	0.1000	0.0933	93	0.1	0.0855	86	6	70-125	25	
Ethylbenzene	QN	0.1000	0.1051	105	0.1	0.0963	96	.6	71-129	25	
m,p-Xylenes	QN	0.2000	0.2173	601	0.2	0.1991	100	6	161-07	25	
o-Xylene	DN	0.1000	0.1012	101	0.1	0.0924	92	9	71-133	25	

Relative Percent Difference RPD = 200*([D-F)/(D+F)] Blank Spike Recovery [D] = 100*(C)([B] Blank Spike Duplicate Recovery [G] = 100*(F)[E] All results are based on MDL and Validated for QC Purposes







Form 3 - MS MSD Recoveries



Project Name: Pride Energy Company

Work Order #: 300607

Lab Batch ID: 718729 Date Analyzed: 04/01/2008 Reporting Units: mg/L

Batch #: 1 Matrix: Water Analyst: SHE

QC- Sample ID: 300748-002 S

Date Prepared: 04/01/2008

Project ID: State 36 # 2

Reporting Units: mg/L		Z	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	E / MAT	RIX SPII	KE DUPLICA	TE RECO	OVERY (STUDY		
BTEX by EPA 8021B	Parent Sample	Spike	Spiked Sample Spiked Result Sample	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]		%R [D]	Added [E]	Result [F]	%R [G]	%	%R	%RPD	
Benzene	QN	0.1000	0.0832	83	0.1000	0.0893	89	7	70-125	25	
Toluene	QN	0.1000	0.0834	83	0.1000	0.0893	89	7	70-125	25	
Ethylbenzene	QN	0.1000	0.0937	94	0.1000	0.1011	101	7	71-129	25	
m,p-Xylenes	DN	0.2000	0.1927	96	0.2000	0.2085	104	∞	70-131	25	
o-Xylene	ND	0.1000	0.0912	16	0.1000	0.0993	66	8	71-133	25	
Lab Batch ID: 718755 Date Analyzed: 04/01/2008	QC- Sample ID: 300410-001 S Date Prepared: 04/01/2008	300410 04/01/2	-001 S 008	Bai Ani	Batch #: Analyst: }	l Matrix MAB	Matrix: Water				

Reporting Units: mg/L		M	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY	E / MAT	RIX SPI	KE DUPLICA'	FE REC	VERY 5	STUDY		
Anions by EPA 300/300.1 Analytes	Parent Sample Result A]	Spike Added [B]	Spiked Sample Spiked Result Sample Sp ICJ %R Ad ID] [I]	Spiked Sample %R {D]	Spike Added E]	DuplicateSpikeSpiked SampleAddedResult [F][E]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	107	5.00	102	0	5.00	102	0	NC	90-110	20	×
Sulfate	333	5.00	303	0	5.00	303	0	NC	90-110	20	×

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

Matrix Spike Duplicate Percent Recovery $[G] = 100^{*}(F-A)/E$

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, J = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit



Sample Duplicate Recovery

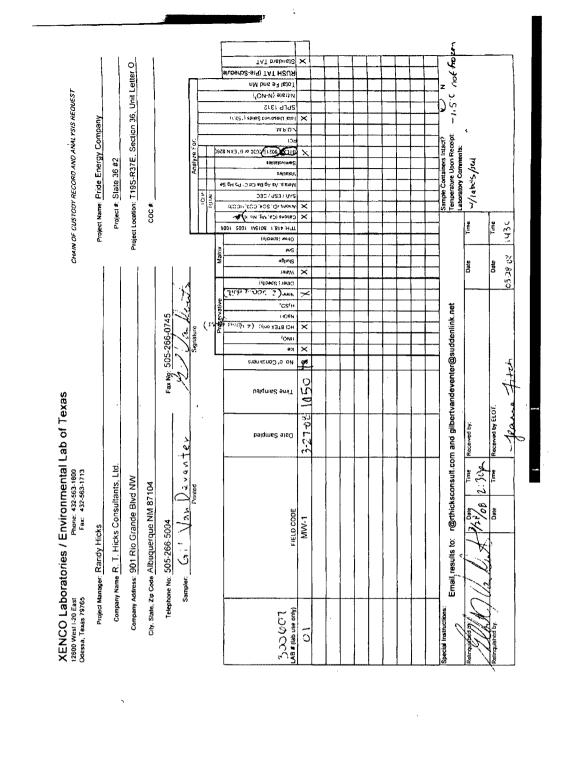


Project Name: Pride Energy Company

Work Order #: 300607

Lab Batch #: 718713 Date Analyzed: 04/01/2008 Date F QC- Sample 1D: 300607-001 D Reporting Units: mg/L	Batch #:	01/2008 I / SAMPLE	Analy Matr	ID: State 36 yst: WRU fix: Water	
Alkalinity by SM2320B Analyte	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Alkalinity, Total (as CaCO3)	240	270	12	20	
Alkalinity, Bicarbonate (as CaCO3)	240	270	12	20	
Alkalinity, Carbonate (as CaCO3)	ND	ND	NC	20	
QC- Sample ID: 300410-001 D	Batch #:		Matr	vst: MAB	OVERN
Reporting Units: mg/L	SAMPLE	/ SAMPLE		ATE REC	OVERY
Anions by EPA 300/300.1 Analyte	Parent Sample Result [A]	Sample Duplicate Result B	RPD	Control Limits %RPD	Flag
Chloride	107	107	0	20	
Sulfate	333	334	0	20	
Lab Batch #: 718664 Date Analyzed: 04/01/2008 Date P QC- Sample ID: 300607-001 D Reporting Units: mg/L	Batch #:	01/2008 I / SAMPLE	Matr	vst: LATCO	
Metals per ICP by SW846 6010B Analyte	Parent Sample Result [A]	ï	RPD	Control Limits %RPD	Flag
Calcium	184	180	2	25	
Magnesium	41.4	41.4	0	25	
Potassium	5.09	4.91	4	25	
Sodium	164	161	2	25	
Lab Batch #: 718707 Date Analyzed: 03/31/2008 Date P QC- Sample ID: 300683-001 D Reporting Units: mg/L	Batch #:	31/2008 / SAMPLE	Matr	vst: RBA ix: Water ATE REC	OVERY
TDS by SM2540C Analyte	Parent Sample Result [A]	Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Total dissolved solids	12500	12500	0	30	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) | All Results are based on MDL and validated for QC purposes.



2

Environmental Lab of Texas Variance/ Corrective Action Report- Sample Log-In

Client:	RT HICKS	
Date/ Time:	03-28-08 (21430	
Lab ID # :	300401	
Initials:	JAF .	

.

Sample Receipt Checklist

	· · ·			Client Initial
#1	Temperature of container/ cooler?	(Yes)	No	-1.5 7 taxa °C
#2	Shipping container in good condition?	Yes	No	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)
#4	Custody Seals intact on sample bottles/ container?/[ab:1	(Yes)	No	Not Present
#5	Chain of Custody present?	Yes	No	
#6	Sample instructions complete of Chain of Custody?	res	No	
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No	
#8	Chain of Custody agrees with sample label(s)?	(Tes)	No	ID written on Cont./ Lid
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No	
#11	Containers supplied by ELOT?	Yes	(No)	
#12	Samples in proper container/ bottle?	TES	No	See Below
#13	Samples properly preserved?	Yes	No	See Below
#14	Sample bottles intact?	(Yes)	No	
#15	Preservations documented on Chain of Custody?	Yes	No	
#16	Containers documented on Chain of Custody?	(Yes	No	
#17	Sufficient sample amount for indicated test(s)?	res	No	See Below
#18	All samples received within sufficient hold time?	(Yes)	No	See Below
#19	Subcontract of sample(s)?	Yes	No	Not Applicable
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable

Variance Documentation

Date/ Time:

Contact:

Regarding:

÷

Corrective Action Taken:

Check all that Apply:

See attached e-mail/ fax

Contacted by:

Client understands and would like to proceed with analysis Cooling process had begun shortly after sampling event

ATTACHMENT C

Form C-141

. برج م

v

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

	OPERATOR	🛛 Initial Report	Final Report
Name of Company Pride Energy Company	Contact Matt Pride		
Address PO Box 701950 Tulsa, OK 74170	Telephone No. 918-524-9200		
Facility Name State 36 #2	Facility Type Drilling Pit		

		·····		
į	Surface Owner	State	Mineral Owner	State

ineral Owner State

API No. 30-025-36909

1

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
0	36	198	37E	990	SOUTH	2310	EAST	LEA

Latitude <u>33° 36' 45.2"</u> Longitude <u>103° 12' 14.0"</u>

NATURE OF RELEASE

Type of Release Drilling pit fluids	Volume of Release Unknown	Volume Recovered None			
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery			
Drilling pit	Unknown	April 16, 2008			
Was Immediate Notice Given?	If YES, To Whom? By phone to:				
🛛 Yes 🔲 No 🗌 Not Required	Glenn von Gonten, NMOCD – Santa Fe				
	Larry Johnson, NMOCD-District 1	(Hobbs)			
By Whom?	Date and Hour				
	April 16, 2008 (8:35 AM)				
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.				
🗆 Yes 🔲 No	Unknown				
	1				

If a Watercourse was Impacted, Describe Fully.

Drilling mud solidified onsite by Elke Environmental in accordance with NMOCD-approved C-144 (12-10-07). After mud was removed Elke Environmental conducted soil sampling with a trackhoe and air rotary drilling rig. The soils did not meet NMOCD-recommended guidelines and a monitoring well was installed at the northwest corner of the drilling pit. Groundwater water samples were collected and analyses indicated chloride and TDS concentrations exceeded WQCC standards.

Describe Cause of Problem and Remedial Action Taken.

Suspected downward migration of drilling fluids to water table. Pride Energy has retained an environmental consultant to develop a site investigation work plan and monitoring program to enable characterization of the site and a design for an effective abatement option, if necessary. An additional monitoring well located at the southeast corner of the drilling pit will be necessary to confirm if groundwater impact is a result of the drilling pit as a source. The possibility remains that there is an upgradient offsite source due to regional impacts in the Monument area.

Describe Area Affected and Cleanup Action Taken.*

A plat map and field and laboratory analytical results are attached.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Matthew L, Pride	<u>OIL CONSER</u>	VATION DIVISION
By: Pride Production Co., Inc. Printed Name: Title: General Partner	Approved by District Supervisor:	
By: Matthew L. Pride	Approval Date:	Expiration Date:
E-mail Address: mattp@pride-energy.com		
Date: April 16, 2008 Phone: (432) 638-8740	Conditions of Approval:	Attached

* Attach Additional Sheets If Necessary