AP - 079 REPORTS

01/30/2008

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State of New Mexico Energy Minerals and Natural Resources

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

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	Contact – Matt Pride		
Address – P O Box 701950 Tulsa, OK 74170	Telephone No. – 918-524-92	00	
Facility Name – State X #1	Facility Type – Drilling Pit		
Surface Oumer State	Mineral Owner State	A DI # 20,025,018	28
Surface Owner - State	Willeral Owlier - State	AFT# 30-023-010	50

LOCATION OF RELEASE

				LOO1				
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Е	12	128	34E					Lea

Latitude <u>33-17-28.2N</u> Longitude <u>103-27-43.2W</u>

NATURE OF RELEASE

Type of Release – Drilling Pit Fluids	Volume of Release ?	Volume Recovered – None				
Source of Release – Drilling Pit	Date and Hour of Occurrence ?	Date and Hour of Discovery-1-28-08 11AM				
Was Immediate Notice Given?	If YES, To Whom? Hobbs NMOC	D Chris Williams 1-28-08				
Yes 🗌 No 🗌 Not Required	Sante Fe NMOCD Glenn von Gon	ten 1-28-08				
By Whom? Logan Anderson – Elke Environmental	Date and Hour 1-28-08 with an em	ail.				
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.				
🛛 Yes 🗌 No	?					
If a Watercourse was Impacted, Describe Fully. Drilling mud so	lidified onsite as per C-144 approved	through Hobbs NMOCD. After mud was				
removed a vertical delineation was performed with a trackhoe then an air	rotary drill. The soil samples did not	meet NMOCD standards and a monitor well				
was set on the SE corner of the drilling pit. A water sample was analyze	d and did not meet water quality stand	ards.				
Describe Cause of Problem and Remedial Action Taken. Monitor w	ell was set and analyzed for TPH and	Chloride and did not meet water quality				
standards.						
Describe Area Affected and Cleanup Action Taken. A plat map, field analytical and lab analysis are included with this C-141.						
I hereby certify that the information given above is true and complete to	the best of my knowledge and underst	and that pursuant to NMOCD rules and				
regulations all operators are required to report and/or file certain release	notifications and perform corrective ac	tions for releases which may endanger				
public health or the environment. The acceptance of a C-141 report by the	he NMOCD marked as "Final Report"	does not relieve the operator of liability				
should their operations have failed to adequately investigate and remedia	te contamination that pose a threat to	ground water, surface water, human health				
or the environment. In addition, MYOCD acceptance of a C-141 report	does not relieve the operator of respon	sibility for compliance with any other				
rederal, state, or local laws and/or regulations.	OUL CONGERN	A TION DIVISION				
	UIL CONSER	VATION DIVISION				
Signature:						
	Approved by District Supervisor:					
Printed Name: Logan Anderson						
Title: Project Manager Elke Environmental	Approval Data	Expiration Date:				
The. Project Manager – Elke Environmental	Approval Date:	Expiration Date:				
E-mail Address: la elkeenv@yahoo.com	Conditions of Approval:					
TE 21 II		Attached				
Date: 1-30-08 Phone: 432-366-0043	3000 CCD 11 C					
Attach Additional Sheets If Necessary	170711	······································				
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Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Pride Energy Analyst Jason Jessup

Site State X #1

Sample ID	Date	Depth	TPH / PPM	Cl/PPM	PID / PPM	GPS
TP1	1-15-08	8'		2,085		33° 17' 71.9" N
						103° 28' 23.8" W
TP1	1-15-08	10'		2.059		33° 17' 71.9" N
						<u>103° 28' 23.8" W</u>
TP1	1-16-08	12'		657		33° 17' 71.9" N
. 11 1	1-10-00	12		0.57		103° 28' 23.8" W
TD1	1 16 09	11,		157		33° 17' 71.9" N
IPI	1-10-08	14		437		103° 28' 23.8" W
	1.1.6.00			0.00	15.0	33° 17' 71.9" N
1P1	1-16-08	16'		269	17.3	103° 28' 23 8" W
······						33º 17' 72 8" N
TP2	1-15-08	8'		550		102° 28' 22 8" W
						103 20 23.0 W
TP2	1-15-08	10'		268	19.1	55 17 72.0 IN
						103° 28' 23.8" W
TP3	1-15-08	8,		13 981		33° 17' 72.1" N
115	1 15 00			15,701		<u>103° 28' 25.3" W</u>
	1 15 00	10,		14770		33° 17' 72.1" N
1F5	1-13-08	10		14,770		103° 28' 25.3" W
TDA	1 1 5 00	103		10.010		33° 17' 72.1" N
1P3	1-15-08	12'		10,913		103° 28' 25 3" W
						33° 17' 72 1" N
TP3	1-16-08	14'		1,182		102° 28' 25 2" W
						103 20 23.3 W
TP3	1-16-08	16'		914		33 17 72.1 N
					· · · · · · · · · · · · · · · · · · ·	103° 28' 25.3" W
TP3	1-16-08	18'		351		33° 17′ 72.1″ N
						<u>103° 28' 25.3" W</u>
TP3	1-16-08	20'		2 383		33° 17' 72.1" N
	1 10 00	20		2,305		<u>103° 28' 25.3" W</u>
ТР2	1 16 09	222		177	50	33° 17' 72.1" N
115	1-10-08	22		1//	5.9	103° 28' 25.3" W
	1 1 5 00	03		05.010		33° 17' 73.0" N
	1-15-08	8		25,010		103° 28' 25 2" W
			·····			33º 17' 73 0" N
TP4	1-15-08	10'		16,439		1020 20 25 27 11
	+		·····			$103 \ 20 \ 23.2 \ W$
TP4	1-15-08	12'		12,500		55 17 73.0° N
	I			Í		103° 28' 25.2" W

Elke Environmental, Inc. P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client Pride Energy Analyst Jason Jessup

Site State X #1

Sample ID	Date	Depth	TPH / PPM	Cl/PPM	PID / PPM	GPS
TP4	1-16-08	14'	-	4,580		33° 17' 73.0" N
			· · · · · ·			<u>103 28 23.2 W</u> 33° 17' 73 0"' N
TP4	1-16-08	16'		2,234		103° 28' 25 2" W
TP4	1-16-08	18'		4,116		33° 17' 73.0" N
						<u>103° 28' 25.2" W</u>
TP4	1-16-08	19'		2,367		33° 17' 73.0" N 103° 28' 25.2" W
ТР4	1-16-08	20'		5,181		33° 17' 73.0" N
						<u>103° 28' 25.2" W</u>
TP4	1-16-08	21'	·	1.947		33° 17' 73.0" N
				, ,		<u>103° 28° 25.2″ W</u>
TP4	1-22-08	22'		571		33° 17' 73.0" N
						$103^{\circ} 28^{\circ} 25.2^{\circ} W$
TP4	1-22-08	25'		605		33 17 / 3.0 N $102^{\circ} 28^{\circ} 25 2^{\circ} W$
······································	· · · · · · · · · · · · · · · · · · ·					<u>105 26 25.2 W</u> 33 ⁰ 17' 73 0" N
TP4	1-22-08	30'		1,132	3.7	103° 28' 25 2" W
						33° 17' 71 9" N
TP5	1-15-08	8'		1,006		103° 28' 22.9" W
TDC	1 15 00	107		1 512		33° 17' 71.9" N
1122	1-15-08	10'		1,513		103° 28' 22.9" W
тр5	1 15 08	12,		2.069		33° 17' 71.9" N
11.5	1-15-08	12		2,908		103° 28' 22.9" W
TP5	1-16-08	14'		1 895		33° 17' 71.9" N
	1 10 00			1,055		<u>103° 28' 22.9" W</u>
TP5	1-16-08	16'		1.273		33° 17' 71.9" N
			· .			<u>103° 28' 22.9" W</u>
TP5	1-16-08	18'		1,297		33° 17' 71.9" N
		4				<u>103° 28' 22.9" W</u>
TP5	1-16-08	20'		759		33° 17' 71.9" N 103° 28' 22 9" W
ann a	11000	201		1 0 1 0		33° 17' 71 9" N
125	1-16-08	22'		1,040		103° 28' 22.9" W
ΤD5	1 16 00	222		1.010		33° 17' 71.9" N
1173	1-10-08	23		1,019		103° 28' 22.9" W

Elke Environmental, Inc.

P.O. Box 14167 Odessa, TX 79768

Field Analytical Report Form

Client_Pride Energy _____ Analyst ____ Jason Jessup

Site State X #1

Sample ID	Date	Depth	TPH / PPM	CI / PPM	PID / PPM	GPS
TP5	1-16-08	24'	· · · · · · · · · · · · · · · · · · ·	434		33° 17' 71.9" N 103° 28' 22.9" W
TP5	1-16-08	26'		546	4.5	33° 17' 71.9" N 103° 28' 22.9" W
Background	1-15-08	Surface		270		
					•	

Elke Environmental, Inc. P.O. Box 14167 Odessa, TX 79768

Monitor Well Report Form

Pride Energy	
Client	

Date 1-24-08

Site State X #1

Time	12:27pm						
Gallons of Water Purged	9.5						
Gallons of Water to Purge	9.3						
Feet of Water	19.0'						
Total Depth of Well	52.5'						
Depth of Water	33.5'						
Monitor Well ID	MW-1						

Notes Sampled for TPH 8015M and Chloride

Signature

Analytical Report 296258

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

25-JAN-08

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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



25-JAN-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: 296258 Pride Energy Project Address: State X # 1

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 296258. 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. 296258 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully

Brent Barron, II Odessa Laboratory Manager

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Sample Cross Reference 296258



Elke Environmental, Inc., Odessa, TX

Pride Energy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP # 1	S	Jan-16-08 10:46	16 ft	296258-001
TP # 2	S	Jan-15-08 13:28	10 ft	296258-002
TP # 3	S ·	Jan-16-08 11:25	22 ft	296258-003
TP # 5	S	Jan-16-08 15:25	26 ft	296258-004

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Project Id: Contact: Logan Anderson

Certificate of Analysis Summary 296258 Elke Environmental, Inc., Odessa, TX

Project Name: Pride Energy

Date Received in Lab: Mon Jan-21-08 08:55 am Renort Date: 25-JAN-08

Project Location: State X # 1					Keport Date: 2	20-NAL-C
					Project Manager: B	trent Barron, II
	Lab Id:	296258-001	296258-002	296258-003	296258-004	
Andricie Donucetod	Field Id:	TP # 1	TP # 2	TP # 3	TP # 5	
noice have continues	Depth:	16 ft	10 A	22 ft	26 ft	
	Matrix:	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Jan-16-08 10:46	Jan-15-08 13:28	Jan-16-08 11:25	Jan-16-08 15:25	
Percent Moisture	Extracted:					
	Analyzed:	Jan-21-08 12:40	Jan-21-08 12:41	Jan-21-08 12:42	Jan-21-08 12:43	
	Units/RL:	% RL	% RL	% RL	% RL	
Percent Moisture		9.21	5.67	1.73	6.28	
TPH by SW8015 Mod	Extracted:	Jan-23-08 15:25	Jan-23-08 15:25	Jan-23-08 15:25	Jan-23-08 15:25	
	Analyzed:	Jan-24-08 00:59	Jan-24-08 01:24	Jan-24-08 01:50	Jan-24-08 02:15	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
C6-C12 Gasoline Range Hydrocarbons		ND 16.5	ND 15.9	ND 15.3	ND 16.0	
C12-C28 Diesel Range Hydrocarbons		ND 16.5	ND 15.9	ND 15.3	ND 16.0	
C28-C35 Oil Range Hydrocarbons		ND 16.5	ND 15.9	ND 15.3	ND 16.0	
Total TPH		QN	QN	QN	QN	
Total Chloride by EPA 325.3	Extracted:					
	Analyzed:	Jan-21-08 14:40	Jan-21-08 14:40	Jan-21-08 14:40	Jan-21-08 14:40	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		149 5.00	149 5.00	106 5.00	383 5.00	

This analytical report, and the cutire dua package it represents, has been made for your reclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the hest judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no surranty to the red use of the data hereby presented. Our liability is limited to the amount invoiced for this work confer nulses otherwise agreed to in writing. Since 1990 Houston - Dallas - San Antonito - Austin - Tampa - Mfami - Latin America - Atl

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Brent Barron Odessa Laboratory Director



- 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

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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

ork Order #: 296258		Project I	D:		
Lab Batch #: 712900 Sample: 2962	56-005 S / MS . Ba	itch: 1 Matr	ix: Soil		
Units: mg/kg	SU	RROGATE R	ECOVERY S	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.8	100	96	70-135	
o-Terphenyl	43.3	50.0	87	70-135	
Lab Batch #: 712900 Sample: 2962	56-005 SD / MSD Ba	itch: 1 Matr	ix: Soil		
Units: mg/kg	SU	RROGATE R	ECOVERY S	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	97.0	100	97	70-135	
o-Terphenyl	43.0	50.0	86	70-135	
Lab Batch # 712900 Sample: 29624	58-001 / SMP Ba	tch: 1 Matr	iv: Soil		
Units: mg/kg	SU COLLEMA	SURROGATE RECOVERY STUDY			
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	80.2	100	80	70-135	
o-Terphenyl	40.5	50.0	81	70-135	
Lab Batch #: 712900 Sample: 2962:	58-002 / SMP Ba	tch: 1 Matr	ix: Soil	<u>t</u>	
Units: mg/kg	SU	RROGATE R	ECOVERYS	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	75.4	100	75	70-135	·····
o-Terphenyl	37.8	50.0	76	70-135	
Lab Batch #: 712900 Sample: 2962:	58-003 / SMP Ba	tch: 1 Matr	ix: Soil	· · · · · · · · · · · · · · · · · · ·	
Units: mg/kg	SU	RROGATE R	ECOVERY S	STUDY	
TPH by SW8015 Mod	Amount	True	Recovery	Control Limits	Flags
Analytes	Found [A]	Amount [B]	%R [D]	%R	
Analytes 1-Chlorooctane	Found [A] 77.3	Amount [B]	%R [D] 77	%R	

** 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



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Project Name: Pride Energy

/ork Order #: 296258		Project I	D:		
Lab Batch #: 712900 Sample: 296258-0	04 / 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	73.2	100	73	70-135	
o-Terphenyl	37.0	50.0	74	70-135	
Lab Batch #: 712900 Sample: 503748-1	-BKS / BKS Ba	tch: 1 Matr	rix: Solid	·	
Units: mg/kg	· SU	RROGATE R	ECOVERY S	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.1	100	95	70-135	· · · · · · · · · · · · · · · · · · ·
o-Terphenyl	42.2	50.0	84	70-135	· · · ·
Lab Batch #: 712900 Sample: 503748-1	-BLK / BLK Ba	tch: 1 Matr	rix: Solid	<u>.</u>	
Units: mg/kg	SU	RROGATE R	ECOVERY S	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	83.4	100	83	70-135	
o-Terphenyl	42.2	50.0	84	70-135	
Lab Batch #: 712900 Sample: 503748-1 Units: mg/kg	-BSD / BSD Ba	tch: ¹ Matr RROGATE R	ix: Solid	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.8	100	94	70-135	
o-Terphenyl	41.4	50.0	83	70-135	

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

*** Poor recoveries due to dilution Surrogate Recovery [D] = 100 * A / B All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Pride Energy

Work Order #: 296258

Project ID:

Lab Batch #: 712719	Sample: 712719-	1-BKS	Matr	ix: Solid		
Date Analyzed: 01/21/2008	Date Prepared: 01/21/20)08	Analy	st: IRO		
Reporting Units: mg/kg	Batch #: 1	BLANK /	BLANK SPI	KE REC	COVERY S	STUDY
Total Chloride by EPA 325.3	Blank Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes	f1	[]	[C]	[D]		
Chloride	ND	100	93.6	94	75-125	

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

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BS / BSD Recoveries



Project Name: Pride Energy

Work Order #: 296258								Proje	set ID:		
Analyst: SHE		D	ate Prepare	ed: 01/23/200	80			Date Ans	alyzed: 0	1/23/2008	
Lab Batch ID: 712900	Sample: 503748-1-B	KS	Batch	1 #: 1				Ż	Aatrix: S	olid	
Units: mg/kg			BLANI	K /BLANK S	PIKE / B	LANK SI	IKE DUPL	ICATE R	ECOVE	RY STUDY	
TPH by SW8015	5 Mod	Blank	Spike	Blank	Blank	Spike	Blank	Blk. Spk		Control	. ×

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duplicate	Blk. Spk Dup. %R	RPD	Control Limits %R	Control Limits %RPD	Flag
Analytes		8	[c]	(a)	E	Result [F]	[0]				
C6-C12 Gasoline Range Hydrocarbons	QN	1000	834	83	1000	805	81	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	1000	847	85	1000	814	81	4	70-135	35	

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

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Form 3 - MS / MSD Recoveries



Project Name: Pride Energy

Work Order #: 296258 Lab Batch ID: 712900

Date Analyzed: 01/24/2008

Matrix: Soil Project ID: 1

> Analvst: Batch #: QC- Sample ID: 296256-005 S Date Prenared: 01/23/2008

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TARE AIRINGEN. VILLATION OF	naic I i chai cn.		000		alyst.						
Reporting Units: mg/kg		M	ATRIX SPIKF	L MATH	RIX SPII	CE DUPLICA	FE RECO	DVERY S	TUDY		
TPH by SW8015 Mod	Parent Sample Decult	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes		Added [B]	<u>.</u>	<u>D</u>	E]	Kesun [r]	¥ [5]	%	No%	70KFU	
C6-C12 Gasoline Range Hydrocarbons	Ð	1080	874	81	1080	168	83	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	DN	1080	902	84	1080	930	86	2	70-135	35	
Lab Batch ID: 712719 Date Analyzed: 01/21/2008	QC- Sample ID: Date Prepared:	296244- 01/21/20	001 S 008	Bat Ans	tch #: alyst:]	1 Matrix RO	: Soil				
Reporting Units: mg/kg		M	ATRIX SPIKH	E/MATI	RIX SPII	KE DUPLICA'	FE RECO	DVERY S	TUDY		
Total Chloride by EPA 325.3 Analytes	Parent Sample Result	Spike Added IRI	Spiked Sample Result [C]	Spiked Sample %R	Spike Added IF1	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
	[5		5	ī		2				

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

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

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



Sample Duplicate Recovery



Project Name: Pride Energy

Work Order #: 296258

Lab Batch #: 712888			Project I	D:	
Date Analyzed: 01/21/2008 Da	te Prepared: 01/2	1/2008	Analy	st: JLG	
QC- Sample ID: 296258-001 D	Batch #: 1		Matri	ix: Soil	
Reporting Units: %	SAMPLE /	SAMPLE	DUPLIC	ATE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Percent Moisture	9.21	11.1	19	20	

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

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client:	Elke ENN.
Date/ Time:	1-21-08 8.55
Lab ID # :	296258
todiala	

Sample Receipt Checklist

İ

				Client Initials
Temperature of container/ cooler?	(es)	No	1.5 °C	
Shipping container in good condition?	Yes	No		
Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	1
Custody Seals intact on sample bottles/ container?	Yea	No	Not Present	1
Chain of Custody present?	Yes	No	T .	
Sample instructions complete of Chain of Custody?	Yes	No	1	
Chain of Custody signed when relinquished/ received?	Yes	No	T	1
Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
Container label(s) legible and intact?	Yes	No	Not Applicable	
Sample matrix/ properties agree with Chain of Custody?	Kes	No		
Containers supplied by ELOT?	Xes	No		1
Samples in proper container/ bottle?	Yes	No	See Below	1
Samples properly preserved?	1 Ces	No	See Below	1
Sample bottles intact?	Yes	No		1
Preservations documented on Chain of Custody?	Yes	No		
Containers documented on Chain of Custody?	Yes	No		1
Sufficient sample amount for indicated test(s)?	Yes	No	See Below	1
All samples received within sufficient hold time?	Ves	No	See Below	<u>t</u>
Subcontract of sample(s)?	Yes	No	Not Applicable	1
VOC samples have zero headspace7	Nes	No	Not Applicable	- <u> </u>
	Temperature of container/ cooler? Shipping container in good condition? Custody Seals intact on shipping container/ cooler? Custody Seals intact on sample bottles/ container? Chain of Custody present? Sample instructions complete of Chain of Custody? Chain of Custody agrees with sample label(s)? Container label(s) legible and intact? Samples matrix/ properties agree with Chain of Custody? Containers supplied by ELOT? Samples in proper, container/ bottle? Samples properly preserved? Samples butles intact? Preservations documented on Chain of Custody? Containers documented on Chain of Custody? Containers documented on Chain of Custody? All samples received within sufficient hold time? Subcontract of sample(s)?	Temperature of container/ cooler? Vest Shipping container in good condition? Vest Custody Seals intact on shipping container/ cooler? Vest Custody Seals intact on sample bottles/ container? Vest Chain of Custody present? Vest Sample instructions complete of Chain of Custody? Vest Chain of Custody signed when relinguished/ received? Vest Chain of Custody agrees with sample label(s)? Vest Container label(s) legible and intact? Vest Sample matrix/ properties agree with Chain of Custody? Vest Containers supplied by ELOT? Vest Samples in proper, container/ Vest Samples by preserved? Vest Sample bottles intact? Vest Sample bottles intact? Vest Sample bottles intact? Vest Sample bottles intact? Vest Preservations documented on Chain of Custody? Vest Containers documented on Chain of Custody? Vest Subcontract of sample(s)? Vest Subcontract of sample(s)? Vest VOC samples have zero headspace? Vest	Temperature of container/ cooler? Yes No Shipping container in good condition? Yes No Custody Seals intact on shipping container/ cooler? Yes No Custody Seals intact on shipping container/ cooler? Yes No Custody Seals intact on shipping container? Yes No Chain of Custody present? Yes No Sample instructions complete of Chain of Custody? Yes No Chain of Custody signed when relinguished/ received? Yes No Container label(s) legible and intact? Yes No Containers supplied by ELOT? Yes No Samples in proper, container/ bottle? Yes No Samples in proper, container/ bottle? Yes No Samples properly preserved? Yes No Samples bottles intact? Yes No Samples properly preserved? Yes No Samples properly preserved? Yes No Samples bottles intact? Yes No Containers documented on Chain of Custody? Yes No Containers documented on Chain of Custody? Yes	Temperature of container/ cooler? Yes No Y.S ° C Shipping container in good condition? Yes No Not Present Custody Seals intact on shipping container/ cooler? Yes No Not Present Custody Seals intact on shipping container/ cooler? Yes No Not Present Chain of Custody present? Yes No Not Present Sample instructions complete of Chain of Custody? Yes No Chain of Custody signed when relinguished/ received? Yes No Chain of Custody agrees with sample label(s)? Yes No ID written on Cont / Lid Container label(s) legible and intact? Yes No Not Applicable Sample matrix/ properties agree with Chain of Custody? Yes No See Below Samples in proper, container/ bottle? Yes No See Below Samples properly preserved? Yes No See Below Samples bottles intact? Yes No See Below Samples bottles intact? Yes No See Below Samples documented on Chain of Custody? Yes No See Below Subc

Variance Documentation

Date/ Time:

Contact: Regarding:

Corrective Action Taken:

Check all that Apply:

See attached e-mail/ fax

Contacted by:

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

Analytical Report 296418

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

29-JAN-08

VIRONMEN

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



29-JAN-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: 296418 Pride Energy Project Address: State X # 1

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 296418. 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. 296418 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully

Brent Barron, II Odessa Laboratory Manager

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Sample Cross Reference 296418



Elke Environmental, Inc., Odessa, TX

Pride Energy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TP4 @ 30'	S	Jan-22-08 08:20	30 ft	296418-001

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Certificate of Analysis Summary 296418 Elke Environmental, Inc., Odessa, TX

Project Name: Pride Energy

Contact: Logan Anderson **Project Location:** State X # 1

Project Id:

Date Received in Lab: Thu Jan-24-08 09:47 am Report Date: 29-JAN-08

	F		Project Manager: Brent Barron, II
	Lab Id:	296418-001	
Analysis Donnostad	Field Id:	TP4 @ 30'	
naisanhau sistimut	Depth:	30 ft	
	Matrix:	SOIL	
	Sampled:	Jan-22-08 08:20	
Percent Maisture	Extracted:		
	Analyzed:	Jan-24-08 11:09	
	Units/RL:	% RL	
Percent Moisture		7.62	
TPH hv SW8015 Mod	Extracted:	Jan-25-08 09:55	
	Analyzed:	Jan-26-08 02:34	
	Units/RL:	mg/kg RL	
C6-C12 Gasoline Range Hydrocarbons		ND 16.2	
C12-C28 Diesel Range Hydrocarbons		ND 16.2	
C28-C35 Oil Range Hydrocarbons		ND 16.2	
Total TPH		Ð	
Total Chloride by EPA 325.3	Extracted:		
	Analyzed:	Jan-24-08 16:42	
	Units/RL:	mg/kg RL	
Chloride		1060 5.00	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and returns expressed this analytical report research the bits luggement of XENCO Laboratories. XENCO Laboratories assumes to reprosmibility and takes to warranty to the rest and the of the data harby presented. Our liability is limited to the amount invoiced for this work order tales otherwise agreed to in writing. Since 1990 Houston - Dallas - San Antonito - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Odessa Laboratory Director Brent Barron

Page 4 of 13



- 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

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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	(201) 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

Vork Order #: 296418		Project II	D:		
Lab Batch #: 713224 Sample:	296418-001 / SMP B	atch: 1 Matr	ix: Soil		
Units: mg/kg	S	URROGATE RI	ECOVERY S	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount .[B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	81.7	100	82	70-135	
o-Terphenyl	41.9	50.0	84	70-135	
Lab Batch #: 713224 Sample:	296418-001 S / MS B	atch: ¹ Matr	ix: Soil		
Units: mg/kg	S	URROGATE RI	ECOVERY S	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.7	100	99	70-135	
o-Terphenyl	44.5	50.0	89	70-135	
Lab Batch # 713224 Samples	296418-001 SD / MSD D	staht 1 Mote	ire Soil	<u>]</u>	
Units: mg/kg	S	URROGATE RI	ECOVERY S	STUDY	. <u>.</u>
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctanc	103	100	103	70-135	
o-Terphenyl	46.3	50.0	93	70-135	
Lab Batch #: 713224 Sample:	503878-1-BKS / BKS B	atch: 1 Matr	ix: Solid		· · ·
Units: mg/kg	S	URROGATE RI	ECOVERY S	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	103	100	103	70-135	
o-Terphenyl	46.1	50.0	92	70-135	
Lab Batch #: 713224 Sample:	503878-1-BLK / BLK B	atch: ¹ Matr	ix: Solid		··· ·· · · · ·
Units: mg/kg	S	URROGATE RI	ECOVERY S	STUDY	
TPH by SW8015 Mod Analytes	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.0	100	96	70-135	
o-Terphenyl	49.5	50.0	99	70-135	

** 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

Work Order #: Lab Batch #: Units:	296418 713224 mg/kg	Sample: 503878-1-BSD /	BSD Ba	Project I tch: ¹ Matr RROGATE R	D: ix: Solid ECOVERY :	STUDY	
	TPH by SW801 Analytes	5 Mod	Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane			104	100	104	70-135	
o-Terphenyl			47.0	50.0	94	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis
*** Poor recoveries due to dilution
Surrogate Recovery [D] = 100 * A / B
All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: Pride Energy

Work Order #: 296418

Project ID:

Lab Batch #: 712901	Sample: 712901-	1-BKS	Matr	ix: Solid		
Date Analyzed: 01/24/2008	Date Prepared: 01/24/20	008	Analy	st: LATC	OR	
Reporting Units: mg/kg	Batch #: 1	BLANK /	BLANK SPI	KE REC	COVERY S	STUDY
Total Chloride by EPA 325.3	Blank Result [A]	Spike Added [B]	Blank Spike Result	Blank Spike %R	Control Limits %R	Flags
Analytes	[, -]	121	[C]	[D]		
Chloride	ND	100	91.5	92	75-125	

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

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BS / BSD Recoveries



Project Name: Pride Energy

Control I imite	uaa	Blk. Spk	Blank Snibe	Spike	Blank Snibe	Blank Snibe	Spike Addad	Blank Samula Desuit	15 Mod	TPH by SW80
ERY STUD	RECOV	JCATE 1	PIKE DUPL	LANK S	PIKE / B	K /BLANK S	BLAN			Units: mg/kg
Solid	Matrix:					h#: 1	Batc	iKS	Sample: 503878-1-B	Lab Batch ID: 713224
01/26/2008	nalyzed:	Date Ar			æ	ed: 01/25/200	te Prepar	Da		Analyst: SHE
	ect ID:	Proj								Work Order #: 296418

Control Limits Flag %RPD	35	35
Control Limits %R	70-135	70-135
RPD %	2	2
Blk. Spk Dup. %R [G]	89	06
Blank Spike Duplicate Result [F]	. 688	902
Spike Added [E]	1000	1000
Blank Spike %R [D]	87	89
Blank Spike Result [C]	868	888
Spike Aðded [B]	1000	1000
Blank Sample Result [A]	QN	DN
TPH by SW8015 Mod Analytes	C6-C12 Gasoline Range Hydrocarbons	C12-C28 Dicsel Range Hydrocarbons

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Relative Petcent 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

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Work Order #: 296418 Lab Batch ID: 713224

Form 3 - MS / MSD Recoveries



Project Name: Pride Energy

Project ID:

QC- Sample ID: 296418-001 S Date Prenared: 01/25/2008

1 Matrix: Soil SHF A malarate

Batch #:

Date Analyzed: 01/26/2008	Date Prepared	: 01/25/20	008	Ana	alyst: .	SHE					
Reporting Units: mg/kg		M	ATRIX SPIKI	E / MATI	RIX SPII	KE DUPLICA	TE REC	OVERY S	STUDY		
TPH by SW8015 Mod	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spíked Dup.	RPD	Control Limits	Control Limits	Flag
Analytes	Result [A]	Added [B]		8% [D]	Added [E]	Result [F]	%R [G]	%	%К	%RPD	
C6-C12 Gasoline Range Hydrocarbons	Ð	1080	905	84	1080	928	86	2	70-135	35	
C12-C28 Diesel Range Hydrocarbons	QN	1080	919	85	1080	957	89	5	70-135	35	
Lab Batch ID: 712901 Date Analyzed: 01/24/2008	QC- Sample ID: Date Prepared	: 296441- : 01/24/2	-002 S 008	Bai Ani	tch #: alyst:]	1 Matrix	x: Soil		:		
Reporting Units: mg/kg		W	ATRIX SPIKI	E / MATI	RIX SPII	KE DUPLICA	TE REC	OVERY S	STUDY		
Total Chloride by EPA 325.3	Parent Sample Result	Spike Added	Spiked Sample Result	Spiked Sample %R	Spike	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag

eporting Units: mg/kg		M	ATRIX SPIKI	E / MATI	RIX SPII	(E DUPLICA)	FE RECC	DVERY	TUDY		
Total Chloride by EPA 325.3 Analytes	Parent Sample Result [A]	Spike Added IB1	Spiked Sample Result [C]	Spiked Sample %R	Spike Added IEI	Duplicate Spiked Sample Result [F]	Spiked Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	1340	2000	3340	001	2000	3360	101	1	75-125	30	

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, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Page 10 of 13



Sample Duplicate Recovery



Project Name: Pride Energy

Work Order #: 296418

Lab Batch #: 712937		P	roject ID):	
Date Analyzed: 01/24/2008	Date Prepared: 01/2	24/2008	Analys	t: RBA	
QC- Sample ID: 296397-001 D	Batch #:	l	Matrix	: Soil	
Reporting Units: %	SAMPLE	/SAMPLE D	UPLICA	TE REC	OVERY
Percent Moisture	Parent Sample Result [A]	Sample Duplicate Result	RPD	Control Limits %RPD	Flag
Analyte		[B]			
Percent Moisture	7.70	8.69	12	20	

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



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

Client:	Elke Enu.
Date/ Time:	1 24-08 7:47
Lab ID # : '	296418
Initials:	al

Sample Receipt Checklist

				Client Initia
#1	Temperature of container/ cooler?	(es)	No	2.0 °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?	Yes	No	
#6	Sample instructions complete of Chain of Custody?	Yes	No	
#7	Chain of Custody signed when relinquished/ received?	Yes	No	
#8	Chain of Custody agrees with sample label(s)?	Yes/	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?	Yes	No	See Below
#13	Samples property preserved?	Yes	No	See Below
#14	Sample bottles intact?	Yes	No	
#15	Preservations documented on Chain of Custody?	Yes	No	1
#16	Containers documented on Chain of Custody?	Yes	No	
#17	Sufficient sample amount for indicated test(s)?	Yes	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:

0

See attached e-mail/ fax

Contacted by:

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

Analytical Report 296505

for

Elke Environmental, Inc.

Project Manager: Logan Anderson

Pride Energy

25-JAN-08

NVIRONMENTA

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

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25-JAN-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: 296505 Pride Energy Project Address: State X # 1

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 296505. 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. 296505 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully

Brent Barron, II Odessa Laboratory Manager

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Sample Cross Reference 296505



Elke Environmental, Inc., Odessa, TX

Pride Energy

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW 1	W	Jan-24-08 12:28		296505-001

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Contact: Logan Anderson

Project Id:

Project Location: State X # 1

Certificate of Analysis Summary 296505 Elke Environmental, Inc., Odessa, TX

Project Name: Pride Energy

Date Received in Lab: Thu Jan-24-08 04:38 pm

Report Date: 25-JAN-08

			rroject Manager: Dient Batron, II
	Lab Id:	296505-001	
Andweis Ponnoctod	Field Id:	MW I	
naisanhay sistinut	Depth:		
	Matrix:	WATER	
	Sampled:	Jan-24-08 12:28	
TPH by SW8015 Mod	Extracted:	Jan-25-08 11:14	
	Analyzed:	Jan-25-08 13:22	
	Units/RL:	mg/L RL	
C6-C12 Gasoline Range Hydrocarbons		ND 1.50	
C12-C28 Diesel Range Hydrocarbons		ND 1.50	
C28-C35 Oil Range Hydrocarbons		ND 1.50	
Total TPH		DN	
Total Chloride by EPA 325.3	Extracted:	-	
	Analyzed:	Jan-25-08 10:05	
	Units/RL:	mg/L RL	
Chloride		1120 5.00	

This arabitical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretions and returns expressed more this analytical report research the best judgment of XENCO Laboratories. XENCO Laboratories assumes to responsibility and thesis to warrancy to the early one of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing. Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America - Atlanta - Corpus Christi

Brent Barron Odessa Laboratory Director



- 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

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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	(201) 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	d:		
IP Ba	itch: 1 Matri	ix: Water		
SU	RROGATE RF	ECOVERY S	STUDY	
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
9.97	10.0	100	70-135	
5.89	5.00	118	70-135	
BKS B:	atch: 1 Matr	ix: Water		
SI	RROGATE RI	ECOVERY S	STUDY	<u></u>
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
10.8	10.0	108	70-135	
6.22	5.00	124	70-135	········
/BLK Batch: 1 Matrix: Water				
SI	JRROGATE RI	ECOVERY !	STUDY	<u></u>
Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
10.1	10.0	101	70-135	i
6.12	5.00	122	70-135	i
BSD Br	atch: 1 Matr	ix: Water	, ,	
St	JRROGATE RI	ECOVERY ?	STUDY	<u> </u>
-	T	T	Control	
Amount Found [A]	Amount [B]	Recovery %R	Limits %R	Flag
Amount Found [A]	Amount [B]	Recovery %R [D]	Limits %R	Flag
	IP Ba SU SU Amount Found [A] 9.97 5.89 SU BKS Ba SU SU Amount Found [A] 10.8 6.22 SU BLK Ba SU SU Amount Found [A] 10.1 6.12 BSD BSD Bi	Project II P Batch: 1 Matri SURROGATE RE Amount Found [A] [B] 9.97 10.0 5.89 5.00 BKS Batch: 1 Matri SURROGATE RI Amount [A] [B] 10.8 10.0 6.22 5.00 BLK Batch: 1 Matri SURROGATE RI Amount [A] [B] 10.1 10.0 6.12 5.00 BSD Batch: 1 Matri SURROGATE RI Amount [A] [B] 10.1 10.0 6.12 5.00 BSD Batch: 1 Matri SURROGATE RI Amount [A] [B] 10.1 10.0 6.12 5.00 BSD Batch: 1 Matri SURROGATE RI Amount [A] [B] 10.1 10.0 10.1 10.0 10.1 10.0 10.1 10.0 10.1 10.0 10.1 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 10.1 10.0 10.0 10.1 10.0 10.1 10.0 10.1 10.0 10.1 10.0 10.0 10.1 10.0 10.0 10.0 10.1 10.0 10.	Project ID:IPBatch:1Matrix:WaterSURROGATE RECOVERY SAmountTrue AmountRecovery %R [D]9.9710.01005.895.00118BKSBatch:1Matrix:WaterSURROGATE RECOVERY SAmount Found [A]True [B]Recovery %R [D]10.810.01086.225.00124SURROGATE RECOVERY SAmount Found [A]True [B]Recovery %R [D]10.810.01086.225.00124BLKBatch:1Matrix:WaterSURROGATE RECOVERY SAmount [A]True [B]%R %R [D]10.110.01016.125.00122BSDBatch:1Matrix:WAROGATE RECOVERYBatch:1Matrix:WAROGATE RECOVERY%R (D)	Project ID:IPBatch:1Matrix: WaterSURROGATE RECOVERY STUDYAmountTrue AmountRecovery %R [D]Control Limits %R9.9710.010070-1355.895.0011870-135BKSBatch:1Matrix: WaterSURROGATE RECOVERY STUDYAmount Found [A]True (B]Recovery %R [D]Control Limits %RMatomTrue (B]Recovery %R (D]Control Limits %RBLKBatch:1Matrix: WaterSURROGATE RECOVERY STUDYAmount Found [A]True [B]Recovery %R [D]Control Limits %RBLKBatch:1Matrix: WaterSURROGATE RECOVERY STUDYAmount Found [A]True [B]Recovery %R [D]Control Limits %RBLKBatch:1Matrix: WaterSURROGATE RECOVERY STUDYControl Limits %R [D]SourceBatch:1Matrix: WaterBSDBatch:1Matrix: WaterSURROGATE RECOVERY STUDYControl Limits %R [D]BSDBatch:1Matrix: Water

** 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 #: 296505		P	roject ID:			
Lab Batch #: 712959	Sample: 712959	-1-BKS	Matr	ix: Water		
Date Analyzed: 01/25/2008	Date Prepared: 01/25/2	008	Analy	st: LATC	OR	
Reporting Units: mg/L	Batch #: 1	BLANK /	BLANK SP	KE REC	COVERY S	STUDY
Total Chloride by EPA 325.3	Blank Result	Spike Added	Blank Spike	Blank Spike	Control Limits	Flags
Analytes	[A]	[B]	Result [C]	%R [D]	%R	
Chloride	ND	100	91.5	92	80-120	[

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

5915-1626	AMED 22	(Reported)	20120
100	- 36	2 C	140
134	100	580 A.	19 A
8 6	2 8		262
a v	9 B	X.A	A 19.
833 -			1963
1000	1000 C	100	38
81 18	37 H	- A	679
64	- E	82. •	125
1920		50 - -	2 23
1000	-	8	88
2		. S. S.	284
37	- A - C	69	- 18 C
		6 T - C	1.66
AS and	8 1 1	10	
		2011-	88
20 C	· #	89-	662
ESA-	- 19	20 J	188
ES ***	3 - 1	<u> </u>	638
164 °	~ 8	эт.	- 1920 - 1920
62 .	େ ପ	86	192
B 6	23 B		1
100655	Spaces	100810	31.5
11.1 YOU'N 18	- 11 - 12	DOT NO.	CONCERCION OF

BS / BSD Recoveries



Project Name: Pride Energy

Work Order #: 296505								Proj	ect ID:		
Analyst: SHE		Da	ite Prepare	ed: 01/25/200	×			Date An	alyzed: 0	1/25/2008	
Lab Batch ID: 713031	Sample: 503808-1-F	BKS	Batch	1#: 1					Matrix: V	/ater	
Units: mg/L			BLANI	K /BLANK S	PIKE / B	LANK S	PIKE DUPL	JCATE F	RECOVE	RY STUD'	
TPH by SW8015	5 Mod	Blank Sample Result	Spike Added	Blank Spike	Blank Spike	Spike Added	Blank Spike	Blk. Spk Dup. % D	RPD	Control Limits	0

TPH by SW8015 Mod	Blank Sample Result [A]	Spike Added	Blank Spike Result	Blank Spike %R	Spike Added	Blank Spike Duolicate	Blk. Spk Dup. %R	RPD %	Control Limits %R	Control Limits %RPD	Flag
Analytes	E	[B]	[C]	[0]	[E]	Result [F]	[6]				
C6-C12 Gasoline Range Hydrocarbons	Q	100	87.5	88	100	90.1	06	3	70-135	25	
C12-C28 Diesel Range Hydrocarbons	QN	100	103	103	100	105	105	2	70-135	25	

Т

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 0

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Form 3 - MS / MSD Recoveries

Project Name: Pride Energy



Project ID:

QC- Sample ID: 296506-001 S Date Prepared: 01/25/2008

Date Analyzed: 01/25/2008

Work Order #: 296505 Lab Batch ID: 712959

1 Matrix: Water Analyst: LATCOR Batch #:

Reporting Units: mg/L		M	ATRIX SPIKI	(MAT)	RIX SPI	KE DUPLICA	re reco	VERY S	STUDY		
Total Chloride by EPA 325.3	Parent Sample	Spike	Spiked Sample Result	Spiked Sample	Spike	Duplicate Spiked Sample	Spiked Dup.	RPD	Control Limits	Control Limits	Flag
-	Result	Added	[0]	%R	Added	Result [F]	%R	%	%R	%RPD	
Analytes	[A]	[B]		<u>a</u>	[E]		[c]				
Chloride	1490	5000	6590	102	5000	. 6700	104	2	80-120	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, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Page 9 of 11

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Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client:	Elke Environmental
Date/ Time:	01-24-08 @ 1638
Lab ID # :	296505
initials:	JMF

Sample Receipt Checklist

				c	Client Initials
#1	Temperature of container/ cooler?	Yes	No	-1,5 °C	
#2	Shipping container in good condition?	Yes	No	(NIN)	
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present Pm	
#4	Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	Ves	No		
#7	Chain of Custody signed when relinquished/ received?	Kes	No		
#B	Chain of Custody agrees with sample label(s)?	(es)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Ves	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	des)	No		\square
#11	Containers supplied by ELOT?	des	No		Th
#12	Samples in proper container/ bottle?	Yes	(No)	Y See Below	R///
#13	Samples properly preserved?	Yes	0	A See Below	K TY
#14	Sample bottles intact?	(Yès	No		11
#15	Preservations documented on Chain of Custody?	Yes	No	T	
#16	Containers documented on Chain of Custody?	Yee	No		
#17	Sufficient sample amount for indicated test(s)?	Yeà	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	1
#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:

.

Contacted by:

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