



# AE Order Number Banner

## Report Description

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



**App Number:** pGRL1007053577

**1RP - 2449**

**RANGER 40 PETROLEUM, LLC**

Ranger 40

LJU #45

September 19, 2011

#### CLOSURE REQUEST FOR SITE

On this site the steel injection line going to well blew out and caused produced water to spill into pasture area just south of location. Was notified by pumper and sent crew to site to begin remediation, had crew scrape pasture area where fluid puddled. Area was taken down a depth of 8 inches to 1ft and contaminated soil was tested on site and hauled to Sundance for disposal. Met with Geoff Lecking at OCD and was told depth to water was approximately 175 ft. therefore 1000 on chlorides is the limit used for this site. Trench sampling was then done to see what depth site cleaned up at, Trench Sample 1 was on east side of injection line and it cleaned up at a depth of 2-3ft and Trench Sample 2 was done on west side of injection line and it cleaned up at 7-8ft. Samples were then taken to Cardinal Labs for a full analysis. Analytical data for both samples came back under legal limits for OCD standards. Crew went back to location and excavated pasture area down on both sides of injection line <sup>1-2</sup>ft. hitting a hard caliche cap. Company would like to request backfilling on east side of line with no plastic since it meets OCD regulations and putting a 20mil plastic barrier in west side and backfilling using clean soil. After backfilling of area is complete site when then be reseeded using blm#2 grass seed or whatever landowner requests.

Environmental Supervisor

Jacob Melancon

approved  
Geoffrey Lecking  
Env. Engt., NMCCO-DIST 1  
9/19/11

August 24, 2011

JACOB MELANCON

PARKER ENERGY

P. O. BOX 1957

EUNICE, NM 88231

RE: LJU #45

Enclosed are the results of analyses for samples received by the laboratory on 08/22/11 16:00.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260	Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method TX 1005	Total Petroleum Hydrocarbons

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

PARKER ENERGY  
JACOB MELANCON  
P. O. BOX 1957  
EUNICE NM, 88231  
Fax To: (575) 394-0443

Received: 08/22/2011  
Reported: 08/24/2011  
Project Name: LJU #45  
Project Number: NONE GIVEN  
Project Location: LJU #45

Sampling Date: 08/19/2011  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: TS1 2-3' (H101775-01)**

BTEX 8021B			mg/kg		Analyzed By: CMS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2011	ND	2.03	102	2.00	8.86	
Toluene*	<0.050	0.050	08/23/2011	ND	1.98	99.1	2.00	9.99	
Ethylbenzene*	<0.050	0.050	08/23/2011	ND	2.01	101	2.00	11.4	
Total Xylenes*	<0.150	0.150	08/23/2011	ND	6.06	101	6.00	11.5	

Surrogate: 4-Bromofluorobenzene (PIL) 118 % 70-130

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/23/2011	ND	432	108	400	3.77	

TPH 8015M			mg/kg		Analyzed By: ab				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2011	ND	194	97.1	200	5.39	
DRO >C10-C28	<10.0	10.0	08/23/2011	ND	180	90.0	200	1.89	

Surrogate: 1-Chlorooctane 84.7 % 70-130

Surrogate: 1-Chlorooctadecane 90.0 % 70-130

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

 PARKER ENERGY  
 JACOB MELANCON  
 P. O. BOX 1957  
 EUNICE NM, 88231  
 Fax To: (575) 394-0443

 Received: 08/22/2011  
 Reported: 08/24/2011  
 Project Name: LJU #45  
 Project Number: NONE GIVEN  
 Project Location: LJU #45

 Sampling Date: 08/19/2011  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: TS2 7-8' (H101775-02)**

BTX 8021B		mg/kg		Analyzed By: CMS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2011	ND	2.03	102	2.00	8.86	
Toluene*	<0.050	0.050	08/23/2011	ND	1.98	99.1	2.00	9.99	
Ethylbenzene*	<0.050	0.050	08/23/2011	ND	2.01	101	2.00	11.4	
<b>Total Xylenes*</b>	<b>0.201</b>	0.150	08/23/2011	ND	6.06	101	6.00	11.5	

Surrogate: 4-Bromofluorobenzene (PIL) 120 % 70-130

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>112</b>	16.0	08/23/2011	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ab					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/23/2011	ND	194	97.1	200	5.39	
DRO >C10-C28	<10.0	10.0	08/23/2011	ND	180	90.0	200	1.89	

Surrogate: 1-Chlorooctane 86.9 % 70-130

Surrogate: 1-Chlorooctadecane 89.7 % 70-130

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

<b>Company Name:</b> <i>Farker Energy</i> <b>Project Manager:</b> <i>Joeb Malancon</i> <b>Address:</b> <i>2350 Ave O</i> <b>City:</b> <i>Enclave</i> <b>State:</b> <i>NM</i> <b>Zip:</b> <i>88231</i> <b>Phone #:</b> <i>505-394-0094</i> <b>Fax #:</b> <i>505-394-0043</i> <b>Project #:</b> <i>#158</i> <b>Project Owner:</b> <i>Ranger 40</i> <b>Project Name:</b> <i>LTU #45</i> <b>Project Location:</b> <i>LTU #45</i> <b>Sampler Name:</b> <i>Joeb Malancon</i>		<b>BILL TO</b> <b>Company:</b> <i>Ranger 40</i> <b>Attn:</b> <i>Susan Merrill</i> <b>Address:</b> <i>204 Collier Court</i> <b>City:</b> <i>Wichita</i> <b>State:</b> <i>KS</i> <b>Zip:</b> <i>67206</i> <b>State:</b> <i>KS</i> <b>Zip:</b> <i>67206</i> <b>Phone #:</b> <i>781-239-2544</i> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>													
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> <i>H10115</i> <b>Sample I.D.</b> <i>TS1 2-3'</i> <i>TS2 7-8'</i>		<b>MATRIX</b> GROUNDWATER <input checked="" type="checkbox"/> <b>WASTEWATER</b> <input checked="" type="checkbox"/> SOIL <input checked="" type="checkbox"/> <b>SLUDGE</b> <input checked="" type="checkbox"/> OTHER:		<b>PRESERV</b> ACID/BASE: <input checked="" type="checkbox"/> <b>ICE / COOL</b> <input checked="" type="checkbox"/> OTHER:		<b>SAMPLING</b> DATE <i>8-17-11</i> TIME <i>9:45</i> <i>11:25</i> <i>5:15:11</i>		CD- <input checked="" type="checkbox"/> <b>TOH</b> <input checked="" type="checkbox"/> <b>6TEX</b>									

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<b>Relinquished By:</b> <i>[Signature]</i> <b>Date:</b> <i>8/22/11</i> <b>Time:</b> <i>4:00</i>		<b>Received By:</b> <i>[Signature]</i> <b>Date:</b> <i>8/22/11</i> <b>Time:</b> <i>4:00</i>		<b>Phone Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Fax Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>REMARKS:</b> <i>Send Results to: malancon.joeb@yahoo.com</i>	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>CHECKED BY:</b> <i>[Signature]</i>	