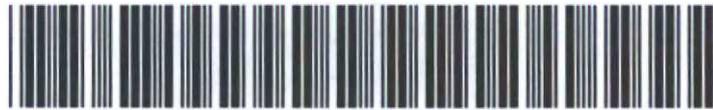




AE Order Number Banner

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 ~~2~~¹⁻² 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. Engr., 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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)

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*	0.201	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
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 86.9 % 70-130

Surrogate: 1-Chlorooctadecane 89.7 % 70-130

Cardinal Laboratories

* = Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Caley 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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



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

BILL TO		ANALYSIS REQUEST											
Company Name: <u>Parker Energy</u> Project Manager: <u>Joeb Melancon</u> Address: <u>2550 Ave O</u> City: <u>Enclave</u> State: <u>NM</u> Zip: <u>88231</u> Phone #: <u>505-387-0094</u> Fax #: <u>505-387-0043</u> Project #: <u>#158</u> Project Owner: <u>Ranger 40</u> Project Name: <u>LJU #45</u> Project Location: <u>LJU #45</u> Sampler Name: <u>Joeb Melancon</u>		Company: <u>Ranger 40</u> Attn: <u>Susan Merrill</u> Address: <u>204 Collier Center</u> City: <u>Wahkiakum</u> State: <u>WA</u> Zip: <u>98149</u> Phone #: <u>206-835-2200</u> Fax #: <u>206-835-2200</u>		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		PRESERV ICE / COOL ACID/BASE OTHER:		SAMPLING DATE TIME		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		ADD'L PHONE #: ADD'L FAX #: REMARKS:	
FOR LAB USE ONLY Lab I.D. Sample I.D.		# CONTAINERS (C) RAB OR (C) OMP		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ICE / COOL ACID/BASE OTHER:		DATE TIME		ADD'L PHONE #: ADD'L FAX #: REMARKS:			
1 TS1 2-3'		1 1		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ICE / COOL ACID/BASE OTHER:		8-17-11 9:45		ADD'L PHONE #: ADD'L FAX #: REMARKS:			
2 TS2 7-8'		1 1		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ICE / COOL ACID/BASE OTHER:		8-17-11 11:25		ADD'L PHONE #: ADD'L FAX #: REMARKS:			

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived, unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>[Signature]</u> Date: <u>8/22/11</u> Time: <u>9:00</u>	Received By: <u>[Signature]</u> Date: <u>8-22-11</u> Time: <u>11:25</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ Add'l Fax #: _____
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		
Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> (Initials) <u>[Initials]</u>		
Relinquished By: <u>[Signature]</u> Date: <u>8-22-11</u> Time: <u>9:00</u>		
Received By: <u>[Signature]</u> Date: <u>8-22-11</u> Time: <u>11:25</u>		
REMARKS: <u>Send Results to: melancon.joeb@ranger.com</u>		