



# 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: pKJ1603648767**

**1RP - 4152**

**PPC OPERATING COMPANY LLC**



**PARKER ENERGY SUPPORT SERVICES, INC.**

P.O. Box 1957 • EUNICE, NM 88231

OFFICE: 575.394.0444 FAX: 575.394.0043

B.C. Operating

**HOBBS OCD**

Wills Federal #14

**JAN 26 2012**

01-25-2012

**RECEIVED**

### Work description of site

For this site on November 18<sup>th</sup> 2011 the 1" valve on the back side of oil tank broke loose causing 109 bbls of crude oil to spill into pasture area on east side of location. Sent truck to location and picked up 89 bbls of oil off ground. Had backhoe dig area out to a depth of 3-4ft. and hauled off to Doom Landfarm for disposal. Took samples of site and took to Cardinal Labs for a full analysis. All analytical data came back clean for chlorides B-Tex and TPH. On December 28<sup>th</sup> 2011 handle was left on valve coming off front of oil tank and a cow brushed up against handle causing 13.38 bbls of oil to spill back into excavation. New C-141 was submitted and area was dug down to a depth of 4-5ft and hauled off for disposal, site was then sampled again and samples were taken to lab for analysis. All analytical came back clean for stie.

For the backfill we will haul sand back into site to put in pasture area east of pad, once area is backfilled we will then haul in caliche to put around tanks and build berm around tanks to keep any further spills from going into pasture area. If you have any questions or comments feel free to call me at 575-602-2984.

Parker Energy

Environmental Supervisor

Jacob Melancon

approved  
Jeff Solberg  
Env. Specialist  
NMOC-HOBBS  
02/08/12

4152

January 23, 2012

JACOB MELANCON

PARKER ENERGY

P. O. BOX 1957

EUNICE, NM 88231

**HOBBS OCD****JAN 26 2012****RECEIVED**

RE: WILLS FEDERAL #14

Enclosed are the results of analyses for samples received by the laboratory on 01/17/12 11:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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 (V1, 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: 01/17/2012  
 Reported: 01/23/2012  
 Project Name: WILLS FEDERAL #14  
 Project Number: 180  
 Project Location: WILLS FEDERAL #14

 Sampling Date: 01/16/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BH 1 (H200108-01)**

BTEX 8021B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10			
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184			
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824			
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938			

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 64.4-134

Chloride, SM4500Cl-B			mg/kg							Analyzed By: AP	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	<16.0	16.0	01/18/2012	ND	432	108	400	3.64			

TPH 8015M			mg/kg							Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	01/20/2012	ND	193	96.3	200	9.45			
DRO >C10-C28	<10.0	10.0	01/20/2012	ND	179	89.6	200	5.71			

Surrogate: 1-Chlorooctane 92.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 103 % 57.6-158

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.



Celest 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: 01/17/2012  
Reported: 01/23/2012  
Project Name: WILLS FEDERAL #14  
Project Number: 180  
Project Location: WILLS FEDERAL #14

Sampling Date: 01/16/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: BH 2 (H200108-02)**

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10	
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184	
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824	
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938	

Surrogate: 4-Bromofluorobenzene (PIL) 114 % 64.4-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/18/2012	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2012	ND	193	96.3	200	9.45	
DRO >C10-C28	609	10.0	01/20/2012	ND	179	89.6	200	5.71	

Surrogate: 1-Chlorooctane 74.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 102 % 57.6-158

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: 01/17/2012  
Reported: 01/23/2012  
Project Name: WILLS FEDERAL #14  
Project Number: 180  
Project Location: WILLS FEDERAL #14

Sampling Date: 01/16/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: BH 3 (H200108-03)**

BTX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/23/2012	ND	1.97	98.7	2.00	1.10	
Toluene*	<0.050	0.050	01/23/2012	ND	2.12	106	2.00	0.0184	
Ethylbenzene*	<0.050	0.050	01/23/2012	ND	2.13	107	2.00	0.824	
Total Xylenes*	<0.150	0.150	01/23/2012	ND	6.59	110	6.00	0.938	

Surrogate: 4-Bromofluorobenzene (PIL) 104 % 64.4-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/18/2012	ND	432	108	400	3.64	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	01/20/2012	ND	193	96.3	200	9.45	
DRO >C10-C28	<10.0	10.0	01/20/2012	ND	179	89.6	200	5.71	

Surrogate: 1-Chlorooctane 78.3 % 55.5-154

Surrogate: 1-Chlorooctadecane 89.8 % 57.6-158

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

**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 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





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

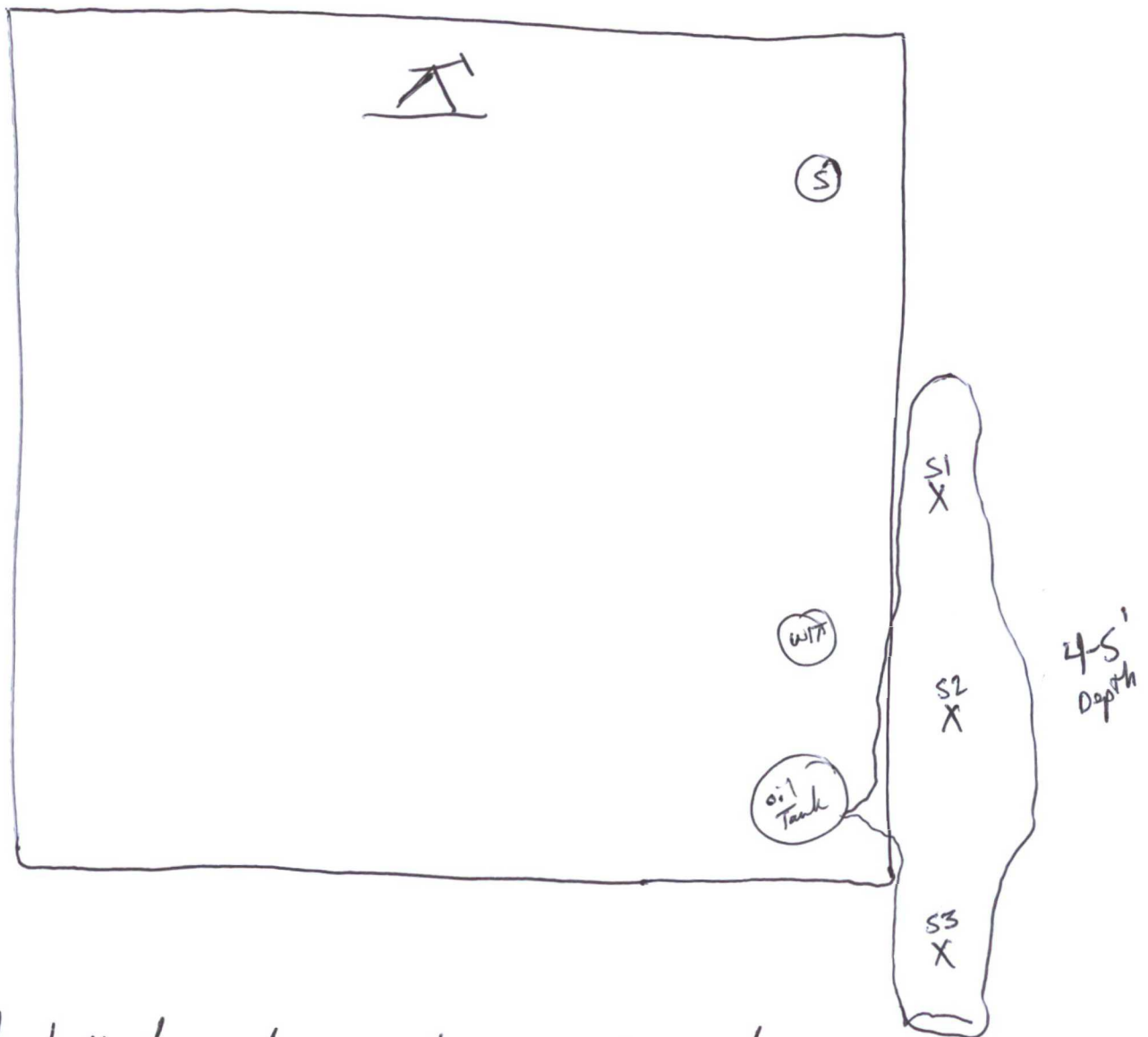
101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

[illegible]

Relinquished By: <u>Jahuba</u>		Received By: <u>Wadi Jensen</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: _____	
Date: <u>11/1/12</u>		Date: <u>11/15</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: _____	
Time: _____		Time: _____		REMARKS: _____			
Relinquished By: _____		Received By: _____		Email Results to: _____			
Delivered By: (Circle One)		Sample Condition		CHECKED BY: _____ (Initials)			
Sampler - UPS - Bus - Other:		Cool <input type="checkbox"/> Intact <input type="checkbox"/>		_____			
		Yes <input type="checkbox"/> No <input type="checkbox"/>		_____			
		Yes <input type="checkbox"/> No <input type="checkbox"/>		_____			



B.C. operating  
wells Federal #14



\* Analyticals show site to be clean