



# 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: pKJ1607049203**

**1RP - 4208**

**PENROC OIL CORP**

June 21, 2013

AARON EDRINGTON

ENVIRONMENTAL COMPLIANCE ASSOCIATES, INC.

P. O. BOX 770005

HOUSTON, TEXAS 77215

HOBBS OCD

JUN 24 2013

RECEIVED

RE: LANGLIE JAL UNIT #110

Enclosed are the results of analyses for samples received by the laboratory on 06/20/13 15:50.

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.

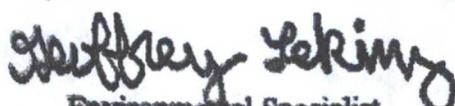
This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

approved for lining and backfilling  
  
Environmental Specialist  
NMOC D - DIST 1  
6/25/13

**Analytical Results For:**

 ENVIRONMENTAL COMPLIANCE ASSOCIATES, IN  
 AARON EDRINGTON  
 P. O. BOX 770005  
 HOUSTON TEXAS, 77215  
 Fax To: (713) 978-6119

Received:	06/20/2013	Sampling Date:	06/20/2013
Reported:	06/21/2013	Sampling Type:	Soil
Project Name:	LANGLIE JAL UNIT #110	Sampling Condition:	** (See Notes)
Project Number:	1112-03	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: LJU #2A (20.0') (H301432-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	06/21/2013	ND	416	104	400	0.00		

**Sample ID: LJU #2B (30.0') (H301432-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/21/2013	ND	416	104	400	0.00		

**Sample ID: LJU #2C (40.0') (H301432-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/21/2013	ND	416	104	400	0.00		

**Sample ID: LJU #8A (20.0') (H301432-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	06/21/2013	ND	416	104	400	0.00		

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 ENVIRONMENTAL COMPLIANCE ASSOCIATES, IN  
 AARON EDRINGTON  
 P. O. BOX 770005  
 HOUSTON TEXAS, 77215  
 Fax To: (713) 978-6119

Received:	06/20/2013	Sampling Date:	06/20/2013
Reported:	06/21/2013	Sampling Type:	Soil
Project Name:	LANGLIE JAL UNIT #110	Sampling Condition:	** (See Notes)
Project Number:	1112-03	Sample Received By:	Jodi Henson
Project Location:	JAL, NEW MEXICO		

**Sample ID: LJU #8B (30.0') (H301432-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/21/2013	ND	416	104	400	0.00		

**Sample ID: LJU #8C (40.0') (H301432-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/21/2013	ND	416	104	400	0.00		

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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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\*=Accredited Analyte

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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

Company Name: <i>Environmental Compliance Associates</i>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>											
Project Manager: <i>Aaron Edrington</i>		P.O. #:													
Address: <i>10590 Westoffice Dr Suite 150</i>		Company:													
City: <i>Houston</i> State: <i>TX</i> Zip: <i>77042</i>		Attn:													
Phone #: <i>(713) 818-1151</i> Fax #: <i>(713) 978-6119</i>		Address:													
Project #: <i>1112-03</i> Project Owner:		City:													
Project Name: <i>Langlie Jal Unit #110</i>		State: Zip:													
Project Location: <i>Jal, NM</i>		Phone #:													
Sampler Name: <i>Aaron Edrington</i>		Fax #:													
FOR LAB USE ONLY															
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS					MATRIX			PRESERV.	SAMPLING			
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	
<i>H301432</i>												<i>N/A</i>			
<i>1</i>	<i>LJU #2A (20.0')</i>	<i>G</i>	<i>1</i>			<i>X</i>						<i>X</i>	<i>6/20/13</i>	<i>8:27AM</i>	<i>X</i>
<i>2</i>	<i>LJU #2B (30')</i>	<i>G</i>	<i>1</i>			<i>X</i>						<i>X</i>	<i>6/20/13</i>	<i>8:40AM</i>	<i>X</i>
<i>3</i>	<i>LJU #2C (40')</i>	<i>G</i>	<i>1</i>			<i>X</i>						<i>X</i>	<i>6/20/13</i>	<i>8:54AM</i>	<i>X</i>
<i>4</i>	<i>LJU #2A (20')</i>	<i>G</i>	<i>1</i>			<i>X</i>						<i>X</i>	<i>6/20/13</i>	<i>9:10AM</i>	<i>X</i>
<i>5</i>	<i>LJU #2B (30')</i>	<i>G</i>	<i>1</i>			<i>X</i>						<i>X</i>	<i>6/20/13</i>	<i>9:20AM</i>	<i>X</i>
<i>6</i>	<i>LJU #2C (40')</i>	<i>G</i>	<i>1</i>			<i>X</i>						<i>X</i>	<i>6/20/13</i>	<i>9:30AM</i>	<i>X</i>

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Relinquished By: <i>[Signature]</i>	Date: <i>6/20/13</i>	Received By: <i>[Signature]</i>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <i>3:50</i>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:		<i>Email results to aedrington@eca-mail.com</i>	
			<i>Invoice to lynn@eca-mail.com</i>	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	<i>RUSH!!</i>	
Sampler - UPS - Bus - Other:	Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Initials) <i>[Signature]</i>		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Langlie Jal Unit #110								
Sample ID	11/21/2012	Depth	1/31/2013	Depth	4/4/2014	Depth	5/7/2013	Depth
1	8940	0.5'			496	1.5'	1090	2.0'
2	10800	0.5'			1520	1.5'	2440	2.0'
3 (BG)	444	0.5'						
5			1350	1.0'	1500	1.5'	1250	2.0'
6			926	1.5'	448	1.5'	864	2.0'
7			552	1.5'	1060	1.5'	752	2.0'
8			2980	1.5'	2640	1.5'	1820	2.0'
9					32	1.0'		
10					<16	1.5'		
11					64	1.5'		
12					2920	1.0'	496	1.5'

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MAY 09 2013

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