

**From:** [Jasmine Barr](#)  
**To:** [Patterson, Heather, EMNRD](#); [Luis Gonzalez](#)  
**Cc:** [ericgarcia62@hotmail.com](mailto:ericgarcia62@hotmail.com); [Jasmine Barr](#)  
**Subject:** Field Sample images  
**Date:** Tuesday, April 21, 2015 9:06:34 AM

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Following attachments contain images of the field samples and a map of the spill site. Eric would like to set up a date and time for both of you to meet with him out there. Please give him a call at 575-631-0131 with the dates that are most convenient to you. Thank you in advance.

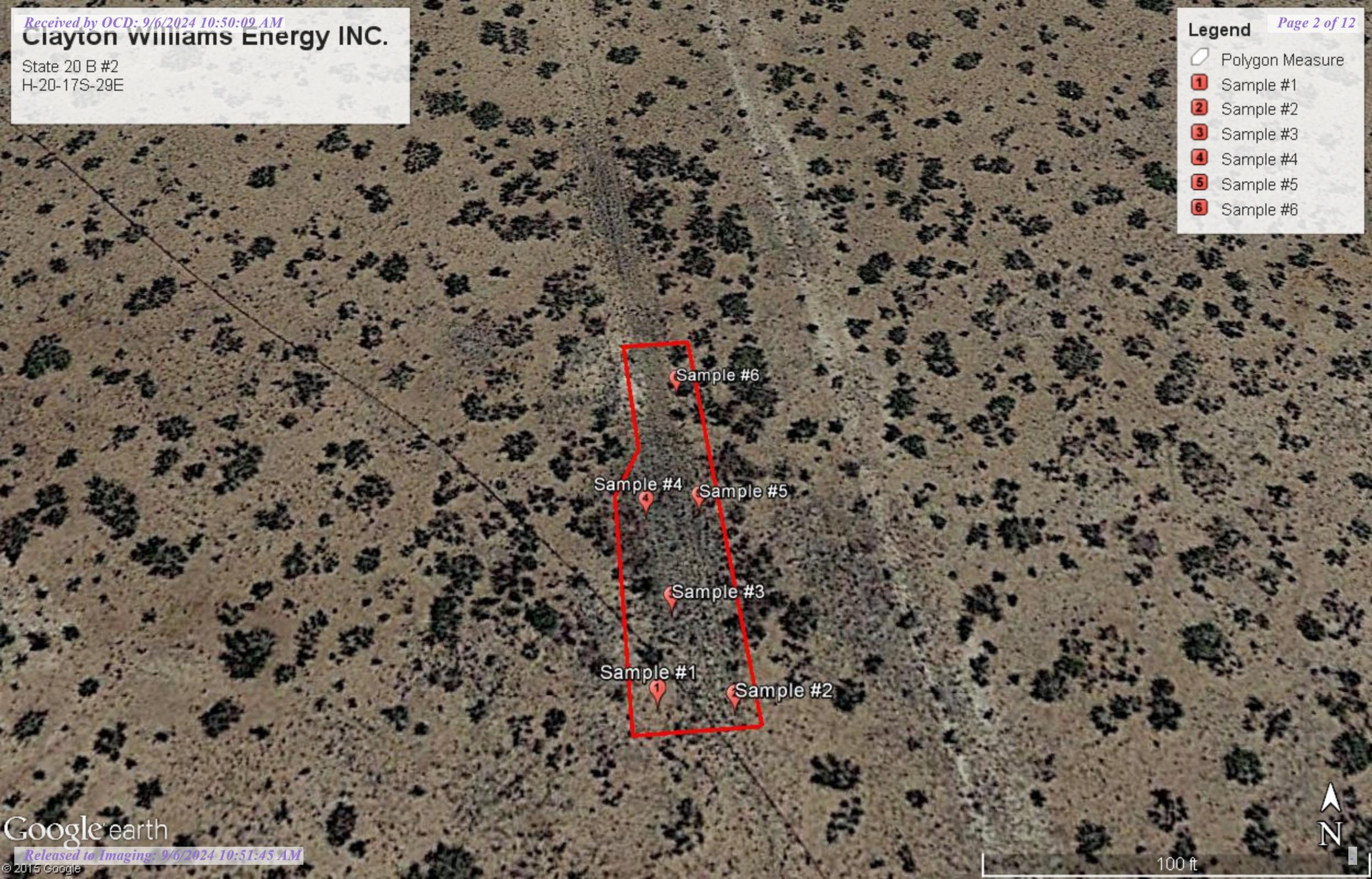
Jasmine Barr  
*Secretary*  
Republic Backhoe Service LLC  
47 E Dickens Rd  
Lovington, NM 88260  
**Office:** 575-390-1437  
**Fax:** 575-396-7782

# Clayton Williams Energy INC.

State 20 B #2  
H-20-17S-29E

**Legend**

-  Polygon Measure
-  Sample #1
-  Sample #2
-  Sample #3
-  Sample #4
-  Sample #5
-  Sample #6



Sample #6

Sample #4    Sample #5

Sample #3

Sample #1    Sample #2



# Clayton Williams Energy Inc

State 20 B #2  
H-20-17S-29E

**Legend**

-  Polygon Measure
-  Sample #1
-  Sample #2
-  Sample #3
-  Sample #4
-  Sample #5
-  Sample #6

Sample #6  
Sample #4  
Sample #3  
Sample #1 Sample #2

211

Old Loco Rd N



300 ft

**From:** [Jasmine Barr](#)  
**To:** [Patterson, Heather, EMNRD](#); [Luis Gonzalez](#)  
**Cc:** [Jasmine Barr](#); [ericgarcia62@hotmail.com](mailto:ericgarcia62@hotmail.com)  
**Subject:** State 20 E #2 Sample results  
**Date:** Thursday, April 23, 2015 11:06:37 AM  
**Attachments:** State 20 E Results.pdf

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The following attachment contains the results of the field samples taken on April 9, 2015 at the spill site for Clayton Williams Energy State 20 E #2. The map sent in a previous email was labeled incorrect. It was labeled as State 20 B #2 and read State 20 E #2. I look forward to meeting with you on Tuesday the 28th at 10:00AM on location. If you have any questions please give me a call. 575-390-1437

Thank you in advance.

Jasmine Barr

Jasmine Barr  
*Secretary*  
Republic Backhoe Service LLC  
47 E Dickens Rd  
Lovington, NM 88260  
**Office:** 575-390-1437  
**Fax:** 575-396-7782



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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April 14, 2015

ERIC GARCIA  
REPUBLIC BACKHOE SERVICES  
47 E. DICKENS RD  
LOVINGTON, NM 88260

RE: STATE 20 E #

Enclosed are the results of analyses for samples received by the laboratory on 04/10/15 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene  
Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received:	04/10/2015	Sampling Date:	04/09/2015
Reported:	04/14/2015	Sampling Type:	Soil
Project Name:	STATE 20 E #	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: STATE #1 (H500949-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>6480</b>	16.0	04/13/2015	ND	400	100	400	3.92		
TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>38.8</b>	10.0	04/13/2015	ND	204	102	200	1.04		
<b>DRO &gt;C10-C28</b>	<b>1870</b>	10.0	04/13/2015	ND	210	105	200	2.79		

Surrogate: 1-Chlorooctane 121 % 47.2-157  
 Surrogate: 1-Chlorooctadecane 193 % 52.1-176

**Sample ID: STATE #2 (H500949-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>8530</b>	16.0	04/13/2015	ND	400	100	400	3.92	
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	04/13/2015	ND	204	102	200	1.04	
<b>DRO &gt;C10-C28</b>	<b>10.9</b>	10.0	04/13/2015	ND	210	105	200	2.79	

Surrogate: 1-Chlorooctane 113 % 47.2-157  
 Surrogate: 1-Chlorooctadecane 119 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received:	04/10/2015	Sampling Date:	04/09/2015
Reported:	04/14/2015	Sampling Type:	Soil
Project Name:	STATE 20 E #	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: STATE #3 (H500949-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3520</b>	16.0	04/13/2015	ND	432	108	400	3.77	
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	04/13/2015	ND	204	102	200	1.04	
DRO >C10-C28	<10.0	10.0	04/13/2015	ND	210	105	200	2.79	
Surrogate: 1-Chlorooctane	108 %	47.2-157							
Surrogate: 1-Chlorooctadecane	115 %	52.1-176							

**Sample ID: STATE #4 (H500949-04)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16400</b>	16.0	04/13/2015	ND	432	108	400	3.77	
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	04/13/2015	ND	204	102	200	1.04	
<b>DRO &gt;C10-C28</b>	<b>40.1</b>	10.0	04/13/2015	ND	210	105	200	2.79	
Surrogate: 1-Chlorooctane	115 %	47.2-157							
Surrogate: 1-Chlorooctadecane	119 %	52.1-176							

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received:	04/10/2015	Sampling Date:	04/09/2015
Reported:	04/14/2015	Sampling Type:	Soil
Project Name:	STATE 20 E #	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: STATE #5 (H500949-05)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>13300</b>	16.0	04/13/2015	ND	432	108	400	3.77	
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	04/13/2015	ND	204	102	200	1.04	
<b>DRO &gt;C10-C28</b>	<b>54.9</b>	10.0	04/13/2015	ND	210	105	200	2.79	

Surrogate: 1-Chlorooctane 112 % 47.2-157  
 Surrogate: 1-Chlorooctadecane 119 % 52.1-176

**Sample ID: STATE #6 (H500949-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>14500</b>	16.0	04/13/2015	ND	432	108	400	3.77	
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>10.8</b>	10.0	04/13/2015	ND	204	102	200	1.04	
<b>DRO &gt;C10-C28</b>	<b>559</b>	10.0	04/13/2015	ND	210	105	200	2.79	

Surrogate: 1-Chlorooctane 111 % 47.2-157  
 Surrogate: 1-Chlorooctadecane 121 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

REPUBLIC BACKHOE SERVICES  
 ERIC GARCIA  
 47 E. DICKENS RD  
 LOVINGTON NM, 88260  
 Fax To: NONE

Received:	04/10/2015	Sampling Date:	04/09/2015
Reported:	04/14/2015	Sampling Type:	Soil
Project Name:	STATE 20 E #	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: BACKGROUND (H500949-07)**

**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	04/13/2015	ND	432	108	400	3.77	

**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	04/13/2015	ND	204	102	200	1.04	
DRO >C10-C28	<10.0	10.0	04/13/2015	ND	210	105	200	2.79	

Surrogate: 1-Chlorooctane 110 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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*

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: Republic Backhoe Service  
 Project Manager: Eric Garcia  
 Address: 47 E. Dickens State: NM Zip: 88260  
 City: Carlsbad  
 Phone #: 505-671-0131 Fax #:  
 Project #:                      Project Owner: Clyde Williams  
 Project Name: State 20 E # State: TX Zip: 79705  
 Project Location: State 20 E # Phone #:                       
 Sampler Name: Eric Garcia Fax #:  
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H500919	State #1		1						4-9	11:00	TPH	
	State #2		1						4-9	11:05	Chlorides	
	State #3		1						4-9	11:30		
	State #4		1						4-9	11:40		
	State #5		1						4-9	11:45		
	State #6		1						4-9	11:50		
	Background		1						4-9	12:00		

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Relinquished By: [Signature] Date: 4-10-15 Received By: [Signature]  
 Time: 4:30

Delivered By: (Circle One) UPS - UPS - Bus - Other: 2.40  
 Sample Condition:  Intact  Cool  Yes  No

CHECKED BY: [Signature]

REMARKS: Email Eric Garcia at Q Hotmail.com.

Phone Result:  Yes  No Add'l Phone #:                       
 Fax Result:  Yes  No Add'l Fax #:                     

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #54

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 381287

**CONDITIONS**

Operator: CLAYTON WILLIAMS ENERGY INC Six Desta Drive Midland, TX 79705	OGRID: 25706
	Action Number: 381287
	Action Type: [IM-SD] Incident File Support Doc (ENV) (IM-BNF)

**CONDITIONS**

Created By	Condition	Condition Date
amaxwell	Historical document upload.	9/6/2024