

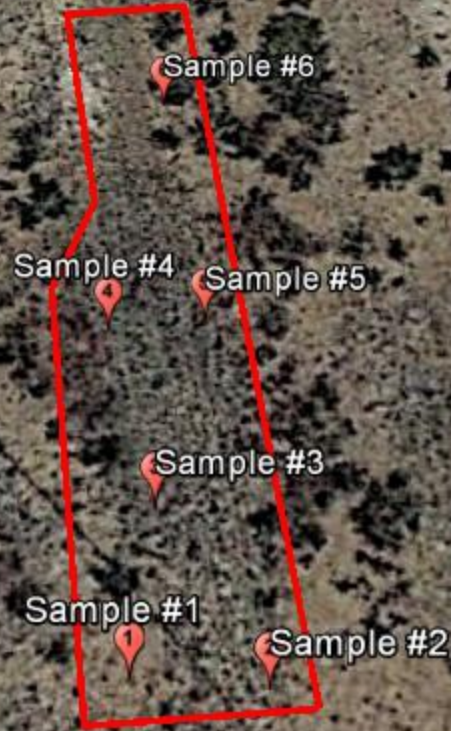
From: [Jasmine Barr](#)
To: [Patterson, Heather, EMNRD](#); [Luis Gonzalez](#)
Cc: [ericgarcia62@hotmail.com](#); [Jasmine Barr](#)
Subject: Field Sample images
Date: Tuesday, April 21, 2015 9:06:34 AM

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

Legend








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



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
Subject: State 20 E #2 Sample results
Date: Thursday, April 23, 2015 11:06:37 AM
Attachments: State 20 E Results.pdf

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

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.

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
 Reported: 04/14/2015
 Project Name: STATE 20 E #
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/09/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: STATE #1 (H500949-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6480	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	
GRO C6-C10	38.8	10.0	04/13/2015	ND	204	102	200	1.04		
DRO >C10-C28	1870	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, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8530	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	
DRO >C10-C28	10.9	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



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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
 Reported: 04/14/2015
 Project Name: STATE 20 E #
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/09/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: STATE #3 (H500949-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	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, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16400	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	40.1	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
 Reported: 04/14/2015
 Project Name: STATE 20 E #
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/09/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: STATE #5 (H500949-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13300	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	54.9	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, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14500	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	10.8	10.0	04/13/2015	ND	204	102	200	1.04		
DRO >C10-C28	559	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
 Reported: 04/14/2015
 Project Name: STATE 20 E #
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 04/09/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

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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A handwritten signature in black ink, appearing to read "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: <u>Republic Backhoe Service</u>	P.O. #:
Project Manager: <u>Eric Garcia</u>	Company: <u>Clayton Williams</u>
Address: <u>47 E. Dickens</u>	Attn: <u>Luis Gonzalez</u>
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88260</u>	Address: <u>6-Dorsey Drive</u>
Phone #: <u>575-637-0131</u> Fax #:	City: <u>Midland</u>
Project #: _____	State: <u>TX</u> Zip: <u>79705</u>
Project Name: <u>State 20 E #</u>	Phone #: <u>575</u>
Project Location: <u>State 20 E #</u>	Fax #:
Sample Name: <u>Eric Garcia</u>	

FOR LAB USE ONLY														
Lab I.D.	Sample I.D.													
H500949	1	State #1	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER			WASTEWATER			MA I R I X		PRESERV	SAMPLING
	2	State #2		1										
	3	State #3		1										
	4	State #4		1										
	5	State #5		1										
	6	State #6		1										
	7	Backyard		1										
											</			

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Relinquished By: <u>[Signature]</u>	Date: <u>4-10-15</u>	Received By: <u>[Signature]</u>	Date: <u>4-10-15</u>
Time: <u>4:30</u>	Time: <u>4:30</u>		
Refiniquished By: _____	Date: _____	Received By: _____	Date: _____
Time: _____	Time: _____		

Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:	<input checked="" type="checkbox"/> Intact <input type="checkbox"/> Damaged	<u>[Signature]</u>
2.40	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

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

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