

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

OIL CONS. DIV DIST. 3

JUL 29 2015

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company: Roddy Production Co.	Contact Jeremy Divine	
Address: PO Box 2221 Farmington NM 87499	Telephone No. 432 557 6778	
Facility Name Chacon Jicarilla Apache D #108	Facility Type Oil Well	
Surface Owner: Jicarilla Apache Nation	Mineral Owner: Jicarilla Apache Nation	API No. 30-043-20431

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	26	23N	3W	1650	North	1850	East	Sandoval

**Latitude:** 36 Deg. 11' 51.12" N **Longitude:** 107 Deg. 07' 23.55" W

**NATURE OF RELEASE**

Type of Release Oil	Volume of Release: Unknown	Volume Recovered 0
Source of Release: Oil Tank	Date and Hour of Occurrence 1:00 PM 7/9/2015	Date and Hour of Discovery 1:00 PM 7/9/2015
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Verbal to Jason Sandoval from JOGA, Emailed JOGA, NMOCD & BLM	
By Whom? Trey Tixier and Jeremy Divine	Date and Hour: Jason 2:00 pm, Email 5:30 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

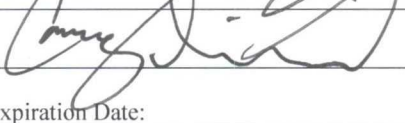
On July 9<sup>th</sup> 2015, oil tanks on the Chacon Jicarilla D #108 were struck by lightning catching both tanks on fire. The explosion blew the tops of both tanks off. Due to muddy road conditions it took a lot longer to get fire trucks on the scene and they were unable to extinguish the fire. Around 9:00 pm the oil in the tanks boiled over spreading the fire into the firewall and onto location. The fire was then put out by fire fighters. Total volume of oil spilled is unknown due to the amount of time the fire burned inside of the tanks but according to gauges 111.89 bbls was lost in tank GI 1644 and 21.71 bbls was lost in tank GI 1644. On July 10<sup>th</sup> 2015 contaminated soil was picked up on the outside of the firewall and put inside of the firewall to prevent rain from spreading the oil any further. The week of July 13<sup>th</sup> 2015, 206 yards of contaminated soil was hauled to TNT Land farm in Lindrieth NM. On Friday July 17 Envirotech took 5 point composite soil samples from 6 sections of the spill area. Lab analysis confirmed all section were below 2500 PPM TPH. JOGA EPO Hobson Sandoval and Shari Ketcham w/ BLM approved backfilling if necessary with approved soil and installing a new tank. Lab analysis and photos are attached.

Describe Area Affected and Cleanup Action Taken.\*

The area affected is approximately 105'W x 125' L diameter area around the tanks. Both tanks were removed, 206 yards of contaminated soil removed and hauled to TNT Land farm in Lindrieth NM, 6 five point composite samples taken to lab for analysis. Lab results confirmed TPH, Benzene and BTEX were below regulatory standards for a spill ranking of 0 and 2500 TPH. All regulatory agencies were notified and sent results via email. Jicarilla Apache Nation approved top soil was brought in for firewalls, some backfilling and one new tank was set. Well was returned to production and 60.12 bbls oil was returned to location on 7/28/2015.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<u>OIL CONSERVATION DIVISION</u>
--	----------------------------------

Printed Name: Jeremy Divine	Approved by Environmental Specialist: 	
Title: Foreman	Approval Date: 8/12/15	Expiration Date:
E-mail Address: jdivine@crownquest.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/28/2015 Phone: 432 557 6778		

\* Attach Additional Sheets If Necessary

#NCS 15 205 42383



## Analytical Report

### Report Summary

Client: Crown Quest Operating

Chain Of Custody Number:

Samples Received: 7/17/2015 1:58:00PM

Job Number: 07151-0017

Work Order: P507039

Project Name/Location: Chacon Jicarilla Apache D  
#108

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 7/22/15

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 7/22/15 2:20 pm

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 22-Jul-15 15:16

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section #5	P507039-01A	Soil	07/17/15	07/17/15	Glass Jar, 4 oz.

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 22-Jul-15 15:16

**Section #5**  
**P507039-01 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1530002	07/20/15	07/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	989	30.0	mg/kg	1		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: o-Terphenyl		162 %		50-200		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.7 %		50-150		1530002	07/20/15	07/21/15	EPA 8015D	

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 laboratory@envirotech-inc.com



Crown Quest Operating  
PO 2221  
Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
Project Number: 07151-0017  
Project Manager: Felipe Aragon

Reported:  
22-Jul-15 15:16

### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1530002 - Purge and Trap EPA 5030A</b>										
<b>Blank (1530002-BLK1)</b>				Prepared & Analyzed: 20-Jul-15						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.307		"	0.319		96.1	50-150			
<b>LCS (1530002-BS1)</b>				Prepared: 20-Jul-15 Analyzed: 21-Jul-15						
Gasoline Range Organics (C6-C10)	433	20.0	mg/kg	449		96.3	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
<b>Matrix Spike (1530002-MS1)</b>				<b>Source: P507047-02</b>		Prepared: 20-Jul-15 Analyzed: 21-Jul-15				
Gasoline Range Organics (C6-C10)	405	20.0	mg/kg	449	ND	90.1	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.3	50-150			
<b>Matrix Spike Dup (1530002-MSD1)</b>				<b>Source: P507047-02</b>		Prepared: 20-Jul-15 Analyzed: 21-Jul-15				
Gasoline Range Organics (C6-C10)	442	20.0	mg/kg	449	ND	98.4	75-125	8.77	15	
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.320		97.8	50-150			

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

 Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 22-Jul-15 15:16

**Nonhalogenated Organics by 8015 - Quality Control**
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1530008 - DRO Extraction EPA 3550M</b>										
<b>Blank (1530008-BLK1)</b>				Prepared & Analyzed: 21-Jul-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	44.5		"	40.0		111	50-200			
<b>LCS (1530008-BS1)</b>				Prepared & Analyzed: 21-Jul-15						
Diesel Range Organics (C10-C28)	604	25.0	mg/kg	500		121	38-132			
Surrogate: o-Terphenyl	49.2		"	40.0		123	50-200			
<b>Matrix Spike (1530008-MS1)</b>				<b>Source: P507035-01</b>		Prepared & Analyzed: 21-Jul-15				
Diesel Range Organics (C10-C28)	532	34.9	mg/kg	499	ND	107	38-132			
Surrogate: o-Terphenyl	46.0		"	39.9		115	50-200			
<b>Matrix Spike Dup (1530008-MSD1)</b>				<b>Source: P507035-01</b>		Prepared & Analyzed: 21-Jul-15				
Diesel Range Organics (C10-C28)	568	34.9	mg/kg	499	ND	114	38-132	6.53	20	
Surrogate: o-Terphenyl	47.2		"	39.9		118	50-200			

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Crown Quest Operating  
PO 2221  
Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
Project Number: 07151-0017  
Project Manager: Felipe Aragon

**Reported:**  
22-Jul-15 15:16

#### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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laboratory@envirotech-inc.com

Client: Crown Invest

Project: Chacon Sicatilla Apache # ~~89~~ 108

Sampler: F. A. Asan

Phone:

Email(s):

F. Aragon

RUSH?

1d

3d

Lab Use Only

Lab WO#

P 507039

Job Number

07151-0017

## Analysis and Method

lab Only

Lab Number

Correct Cont/Prsrv (5) YxN

Page

of

[illegible]

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_

Container Type: **g** - glass, **p** - poly/plastic, **ag** - amber glass, **v** - VOA

\*\*Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6C on subsequent days.

Sample(s) dropped off after hours to a secure drop off area.

## Chain of Custody

Notes/Billing info:
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## Analytical Report

### Report Summary

Client: Crown Quest Operating

Chain Of Custody Number:

Samples Received: 7/17/2015 1:58:00PM

Job Number: 07151-0017

Work Order: P507038

Project Name/Location: Chacon Jicarilla Apache D  
#108

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 7/27/15

Tim Cain, Laboratory Manager

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Section 1	P507038-01A	Soil	07/17/15	07/17/15	Glass Jar, 4 oz.
Section 2	P507038-02A	Soil	07/17/15	07/17/15	Glass Jar, 4 oz.
Section 3	P507038-03A	Soil	07/17/15	07/17/15	Glass Jar, 4 oz.
Section 4	P507038-04A	Soil	07/17/15	07/17/15	Glass Jar, 4 oz.
Section 6	P507038-05A	Soil	07/17/15	07/17/15	Glass Jar, 4 oz.
Pump Jack	P507038-06A	Soil	07/17/15	07/17/15	Glass Jar, 4 oz.

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

**Section 1**  
**P507038-01 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1530002	07/20/15	07/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	197	34.9	mg/kg	1		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: o-Terphenyl		113 %		50-200		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.4 %		50-150		1530002	07/20/15	07/21/15	EPA 8015D	

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

**Section 2**  
**P507038-02 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1530002	07/20/15	07/21/15	EPA 8015D		
Diesel Range Organics (C10-C28)	ND	34.9	mg/kg	1	1530008	07/21/15	07/21/15	EPA 8015D		
Surrogate: o-Terphenyl		111 %		50-200	1530008	07/21/15	07/21/15	EPA 8015D		
Surrogate: 4-Bromochlorobenzene-FID		97.9 %		50-150	1530002	07/20/15	07/21/15	EPA 8015D		

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 PO 2221  
 Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

**Section 3**  
**P507038-03 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1530002	07/20/15	07/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	102	35.0	mg/kg	1		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: o-Terphenyl		116 %		50-200		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.1 %		50-150		1530002	07/20/15	07/21/15	EPA 8015D	

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

 Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

**Section 4**  
**P507038-04 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1530002	07/20/15	07/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	626	30.0	mg/kg	1		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: o-Terphenyl		132 %		50-200		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.3 %		50-150		1530002	07/20/15	07/21/15	EPA 8015D	

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

**Section 6**  
**P507038-05 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1		1530002	07/20/15	07/21/15	EPA 8015D	
Diesel Range Organics (C10-C28)	559	25.0	mg/kg	1		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: o-Terphenyl		161 %		50-200		1530008	07/21/15	07/21/15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		97.4 %		50-150		1530002	07/20/15	07/21/15	EPA 8015D	

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

 Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

**Pump Jack**  
**P507038-06 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TCLP Metals									
Arsenic	0.01	0.01	mg/L	1	1530039	07/24/15	07/24/15	EPA 6010C	E
Barium	0.58	0.05	mg/L	1	1530039	07/24/15	07/24/15	EPA 6010C	
Cadmium	ND	0.01	mg/L	1	1530039	07/24/15	07/24/15	EPA 6010C	
Chromium	ND	0.01	mg/L	1	1530039	07/24/15	07/24/15	EPA 6010C	
Lead	ND	0.01	mg/L	1	1530039	07/24/15	07/24/15	EPA 6010C	
Selenium	ND	0.01	mg/L	1	1530039	07/24/15	07/24/15	EPA 6010C	
Silver	ND	0.01	mg/L	1	1530039	07/24/15	07/24/15	EPA 6010C	
TCLP Mercury by EPA 7470A									
Mercury	ND	0.0002	mg/L	1	1530027	07/24/15	07/24/15	EPA 7470A	

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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Chacon Jicarilla Apache D #108 Project Number: 07151-0017 Project Manager: Felipe Aragon	Reported: 27-Jul-15 09:03
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### Nonhalogenated Organics by 8015 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1530002 - Purge and Trap EPA 5030A</b>										
<b>Blank (1530002-BLK1)</b>				Prepared & Analyzed: 20-Jul-15						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.307		"	0.319		96.1	50-150			
<b>LCS (1530002-BS1)</b>				Prepared: 20-Jul-15 Analyzed: 21-Jul-15						
Gasoline Range Organics (C6-C10)	433	20.0	mg/kg	449		96.3	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.1	50-150			
<b>Matrix Spike (1530002-MS1)</b>				<b>Source: P507047-02</b>		Prepared: 20-Jul-15 Analyzed: 21-Jul-15				
Gasoline Range Organics (C6-C10)	405	20.0	mg/kg	449	ND	90.1	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.311		"	0.320		97.3	50-150			
<b>Matrix Spike Dup (1530002-MSD1)</b>				<b>Source: P507047-02</b>		Prepared: 20-Jul-15 Analyzed: 21-Jul-15				
Gasoline Range Organics (C6-C10)	442	20.0	mg/kg	449	ND	98.4	75-125	8.77	15	
Surrogate: 4-Bromochlorobenzene-FID	0.313		"	0.320		97.8	50-150			

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Crown Quest Operating  
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 Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

**Nonhalogenated Organics by 8015 - Quality Control**
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 1530008 - DRO Extraction EPA 3550M**
**Blank (1530008-BLK1)**

Prepared &amp; Analyzed: 21-Jul-15

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	44.5		"	40.0		111	50-200			

**LCS (1530008-BS1)**

Prepared &amp; Analyzed: 21-Jul-15

Diesel Range Organics (C10-C28)	604	25.0	mg/kg	500		121	38-132			
Surrogate: o-Terphenyl	49.2		"	40.0		123	50-200			

**Matrix Spike (1530008-MS1)**

Source: P507035-01

Prepared &amp; Analyzed: 21-Jul-15

Diesel Range Organics (C10-C28)	532	34.9	mg/kg	499	ND	107	38-132			
Surrogate: o-Terphenyl	46.0		"	39.9		115	50-200			

**Matrix Spike Dup (1530008-MSD1)**

Source: P507035-01

Prepared &amp; Analyzed: 21-Jul-15

Diesel Range Organics (C10-C28)	568	34.9	mg/kg	499	ND	114	38-132	6.53	20	
Surrogate: o-Terphenyl	47.2		"	39.9		118	50-200			

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

 Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

**TCLP Metals - Quality Control**  
**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 1530039 - Metal Water/TCLP (EPA 1311) Digestion EPA 3015A**
**Blank (1530039-BLK1)**

Prepared &amp; Analyzed: 24-Jul-15

Arsenic	ND	0.01	mg/L
Barium	1.62	0.05	"
Cadmium	ND	0.01	"
Chromium	ND	0.01	"
Lead	ND	0.01	"
Selenium	0.01	0.01	"
Silver	ND	0.01	"

**Duplicate (1530039-DUP1)**

Source: P507038-06

Prepared &amp; Analyzed: 24-Jul-15

Arsenic	ND	0.01	mg/L	0.01				30
Barium	0.57	0.05	"	0.58			1.75	30
Cadmium	ND	0.01	"	ND				30
Chromium	ND	0.01	"	ND				30
Lead	ND	0.01	"	ND				30
Selenium	0.01	0.01	"	ND				30
Silver	ND	0.01	"	ND				30

**Matrix Spike (1530039-MS1)**

Source: P507038-06

Prepared &amp; Analyzed: 24-Jul-15

Arsenic	0.27		mg/L	0.250	0.009	104	75-125
Barium	5.64		"	5.00	0.49	103	75-125
Cadmium	0.26		"	0.250	0.004	101	75-125
Chromium	0.51		"	0.500	0.002	102	75-125
Lead	0.49		"	0.500	0.0006	98.0	75-125
Selenium	0.11		"	0.100	0.0005	110	75-125
Silver	0.10		"	0.100	0.002	99.3	75-125

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
 Project Number: 07151-0017  
 Project Manager: Felipe Aragon

**Reported:**  
 27-Jul-15 09:03

### TCLP Mercury by EPA 7470A - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 1530027 - Mercury Water/TCLP Digestion KMNO4

##### Blank (1530027-BLK1)

Prepared & Analyzed: 23-Jul-15

Mercury	ND	0.0002	mg/L
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##### LCS (1530027-BS1)

Prepared & Analyzed: 23-Jul-15

Mercury	0.002	0.0002	mg/L	0.00229	96.0	80-120
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##### Matrix Spike (1530027-MS1)

**Source: P507065-01**

Prepared & Analyzed: 23-Jul-15

Mercury	0.002	0.0002	mg/L	0.00229	ND	93.1	75-125
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##### Matrix Spike Dup (1530027-MSD1)

**Source: P507065-01**

Prepared & Analyzed: 23-Jul-15

Mercury	0.002	0.0002	mg/L	0.00229	ND	94.1	75-125	1.13	15
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 laboratory@envirotech-inc.com

Crown Quest Operating  
PO 2221  
Farmington NM, 87499

Project Name: Chacon Jicarilla Apache D #108  
Project Number: 07151-0017  
Project Manager: Felipe Aragon

**Reported:**  
27-Jul-15 09:03

#### Notes and Definitions

B Analyte is found in the associated blank.  
DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference

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Client: Crown Crest  
 Project: Chacoan Sicarilla Apache #19  
 Sampler: F Aragon  
 Phone: \_\_\_\_\_  
 Email(s): \_\_\_\_\_  
 Project Manager: F Aragon

RUSH?

☐ 1d  
☐ 3d

Lab Use Only		Analysis and Method										Lab Only	
Lab WO#		GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	H66						Lab Number	Correct Cont/Prsrtv (s/y)
Job Number													
P 507038													
07151-0017													
Page _____ of _____													

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	H66										
Section 1	7-17-15	1021	S	1-402	X													1	Y
Section 2		1024																2	
Section 3		1028																3	
Section 4		1035																4	
<del>Section 5</del>																		5	ing
Section 6		1040			X													5/6	✓
Pump Jack		1130						X										6/7	✓

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
<u>[Signature]</u>	7/17/15	1355	<u>[Signature]</u>	07/17/15	13:58	**Received on Ice <u>Y</u> / N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 <u>20.9</u> T2 <u>17.5</u> T3 <u>21.0</u>	
						AVG Temp °C <u>19.8</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

\*\*Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 8°C on subsequent days.

<input type="checkbox"/> Sample(s) dropped off after hours to a secure drop off area.	Chain of Custody	Notes/Billing info:
---	------------------	---------------------



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 Ph (970) 259-0615 Fr (800) 362-1879



Client: Crown QuestProject: Chacon Sycamore Apache #108Sampler: F Aragon

Phone:

Email(s):

Project Manager: F Aragon

RUSH?

1d

3d

Lab Use Only

Lab WO#

P 507038

Job Number

07/15/0017

Analysis and Method

lab O

Page

of

Page 15 of 15

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	166	PERA TELL Metals	Lab Number	Correct Co
Section 1	7-17-15	1021	S	1-402	X						1	Y
Section 2		1024									2	
Section 3		1028									3	
Section 4		1035									4	
<del>Section 5</del>												
Section 6		1040			X						5	✓
Pump Jack		1130						X	X		6	✓
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only						
<i>[Signature]</i>	7/17/15	1355	<i>[Signature]</i>	07/17/15	13:58	**Received on Ice Y/N						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 20.9 T2 17.5 T3 21.0						
						AVG Temp °C 19.8						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

\*\*Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:



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 Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

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