

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

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 Company	Contact Jeremy Divine	
Address P.O. Box 2221 Farmington NM 87499	Telephone No. 432 557 6778	
Facility Name Lucerne Federal #3 CDP	Facility Type Compressor site	
Surface Owner BLM	Mineral Owner Natural Resources (BLM)	API No. 30-015-29161

**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	17	28N	11W					

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

**NATURE OF RELEASE**

Type of Release: Hydrocarbon	Volume of Release: Unknown	Volume Recovered: 0
Source of Release: Compressor	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 4-26-14 3:30 pm
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse. Unknown	

If a Watercourse was Impacted, Describe Fully.\*

30' south of the compressor an oily stain was found in the wash. The stain ran down the wash approximately 280 yards. The width of the stain was anywhere from 6" to 1' wide and depth was 2' at the compressor and 1" at the end of the stain.

Describe Cause of Problem and Remedial Action Taken.\*

Cause of the problem was oil on the compressor skid being washed off by heavy rains. Contaminated soil was removed and taken to Industrial Ecosystems land farm in Aztec, NM. Once field samples were below BLM specifications a five point composite sample was taken at four different locations and sent to Envirotech lab for analysis. Lab results confirmed TPH was below 100 PPM, Benzene below 10 PPM and BTEX below 50 PPM, microbes and fertilizer were sprayed over the excavated area.

Describe Area Affected and Cleanup Action Taken.\*

The area affected was 280 yards of a sand wash south of the compressor. 66 yards of contaminated sand and soil were taken to Industrial Ecosystems land farm and 66 yards of clean sand and soil were hauled in to replace contaminated soil. Berms were placed around the compressor and fiberglass pit. The area around the compressor was sprayed with microbes and fertilizer. All activities were complete on 6-24-14.

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: <i>Jeremy Divine</i>	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <i>Jeremy Divine</i>	Approved by Environmental Specialist: <i>Paul D. Kelly</i>	
Title: <i>Foreman</i>	Approval Date: <i>9/5/2014</i>	Expiration Date:

NJK1424848611

12



## Analytical Report

### Report Summary

Client: Crown Quest Operating

Chain Of Custody Number: 16951

Samples Received: 5/6/2014 1:05:00PM

Job Number: 07151-0014

Work Order: P405010

Project Name/Location: Lucerne Federal #3

Entire Report Reviewed By:

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

Date: 5/12/14

Tim Cain, Laboratory Manager

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: Lucerne Federal #3  
 Project Number: 07151-0014  
 Project Manager: Sheena Leon

**Reported:**  
 12-May-14 08:54

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Preliminary Spill Comp	P405010-01A	Soil	05/06/14	05/06/14	Glass Jar, 4 oz.
Runoff 1 Comp	P405010-02A	Soil	05/06/14	05/06/14	Glass Jar, 4 oz.
Runoff 2 Comp	P405010-03A	Soil	05/06/14	05/06/14	Glass Jar, 4 oz.
Runoff 3 Comp	P405010-04A	Soil	05/06/14	05/06/14	Glass Jar, 4 oz.

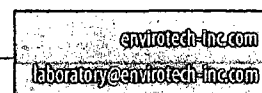
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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Lucerne Federal #3  
 Project Number: 07151-0014  
 Project Manager: Sheena Leon

Reported:  
 12-May-14 08:54

**Preliminary Spill Comp**  
**P405010-01 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Surrogate: Bromochlorobenzene		97.4 %		80-120	1419017	05/07/14	05/08/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		90.6 %		80-120	1419017	05/07/14	05/08/14	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8015D	
Diesel Range Organics (C10-C28)	60.8	29.9	mg/kg	1	1419018	05/07/14	05/08/14	EPA 8015D	

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

 Project Name: Lucerne Federal #3  
 Project Number: 07151-0014  
 Project Manager: Sheena Leon

 Reported:  
 12-May-14 08:54

**Runoff 1 Comp**  
**P405010-02 (Solid)**

Analyte	Reporting				Batch	Prepared	Analyzed	Method	Notes
	Result	Limit	Units	Dilution					
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Surrogate: Bromochlorobenzene		103 %		80-120	1419017	05/07/14	05/08/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		98.4 %		80-120	1419017	05/07/14	05/08/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	5.00	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8015D	
Diesel Range Organics (C10-C28)	96.0	29.9	mg/kg	1	1419018	05/07/14	05/08/14	EPA 8015D	

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Lucerne Federal #3  
 Project Number: 07151-0014  
 Project Manager: Sheena Leon

Reported:  
 12-May-14 08:54

**Runoff 2 Comp**  
**P405010-03 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.05	mg/kg	1		1419017	05/07/14	05/08/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1		1419017	05/07/14	05/08/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1		1419017	05/07/14	05/08/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1		1419017	05/07/14	05/08/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1		1419017	05/07/14	05/08/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1		1419017	05/07/14	05/08/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1		1419017	05/07/14	05/08/14	EPA 8021B	
Surrogate: Bromochlorobenzene		100 %		80-120		1419017	05/07/14	05/08/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		94.1 %		80-120		1419017	05/07/14	05/08/14	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1		1419017	05/07/14	05/08/14	EPA 8015D	
Diesel Range Organics (C10-C28)	45.7	29.9	mg/kg	1		1419018	05/07/14	05/08/14	EPA 8015D	

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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

 Project Name: Lucerne Federal #3  
 Project Number: 07151-0014  
 Project Manager: Sheena Leon

**Reported:**  
 12-May-14 08:54

**Runoff 3 Comp**  
**P405010-04 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8021B	
Surrogate: Bromochlorobenzene		98.7 %		80-120	1419017	05/07/14	05/08/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		96.5 %		80-120	1419017	05/07/14	05/08/14	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1419017	05/07/14	05/08/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1419018	05/07/14	05/08/14	EPA 8015D	

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 laboratory@envirotech-inc.com



Crown Quest Operating  
PO 2221  
Farmington NM, 87499

Project Name: Lucerne Federal #3  
Project Number: 07151-0014  
Project Manager: Sheena Leon

Reported:  
12-May-14 08:54

### Volatile Organics by EPA 8021 - 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 1419017 - Purge and Trap EPA 5030A

##### Blank (1419017-BLK1)

Prepared: 07-May-14 Analyzed: 08-May-14

Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	51.5		ug/L	50.0		103	80-120			
Surrogate: Bromochlorobenzene	53.2		"	50.0		106	80-120			

##### Duplicate (1419017-DUP1)

Source: P404076-01

Prepared: 07-May-14 Analyzed: 08-May-14

Benzene	ND	0.25	mg/kg		ND				30	
Toluene	1.84	0.25	"		1.43			25.0	30	
Ethylbenzene	7.93	0.25	"		6.99			12.7	30	
p,m-Xylene	17.6	0.25	"		15.6			12.0	30	
o-Xylene	6.82	0.25	"		6.29			8.17	30	
Surrogate: 1,3-Dichlorobenzene	80.9		ug/L	50.0		162	80-120			S-02
Surrogate: Bromochlorobenzene	93.5		"	50.0		187	80-120			S-02

##### Matrix Spike (1419017-MS1)

Source: P404076-01

Prepared: 07-May-14 Analyzed: 08-May-14

Benzene	49.9		ug/L	50.0	ND	99.7	39-150			
Toluene	60.1		"	50.0	5.71	109	46-148			
Ethylbenzene	84.0		"	50.0	28.0	112	32-160			
p,m-Xylene	175		"	100	62.3	113	46-148			
o-Xylene	77.7		"	50.0	25.1	105	46-148			
Surrogate: 1,3-Dichlorobenzene	77.7		"	50.0		155	80-120			S-02
Surrogate: Bromochlorobenzene	89.3		"	50.0		179	80-120			S-02

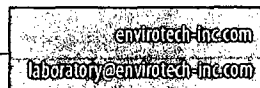
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Crown Quest Operating  
 PO 2221  
 Farmington NM, 87499

Project Name: Lucerne Federal #3  
 Project Number: 07151-0014  
 Project Manager: Sheena Leon

**Reported:**  
 12-May-14 08:54

### 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
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#### Batch 1419017 - Purge and Trap EPA 5030A

##### Blank (1419017-BLK1)

Prepared: 07-May-14 Analyzed: 08-May-14

Gasoline Range Organics (C6-C10) ND 4.99 mg/kg

##### Duplicate (1419017-DUP1)

Source: P404076-01

Prepared: 07-May-14 Analyzed: 08-May-14

Gasoline Range Organics (C6-C10) 347 24.9 mg/kg 298 15.0 30

##### Matrix Spike (1419017-MS1)

Source: P404076-01

Prepared: 07-May-14 Analyzed: 08-May-14

Gasoline Range Organics (C6-C10) 1.99 mg/L 0.450 1.19 176 75-125 SPK1

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Crown Quest Operating	Project Name:	Lucerne Federal #3	Reported: 12-May-14 08:54
PO 2221	Project Number:	07151-0014	
Farmington NM, 87499	Project Manager:	Sheena Leon	

### 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
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#### Batch 1419018 - DRO Extraction EPA 3550C

##### Blank (1419018-BLK1)

Prepared: 07-May-14 Analyzed: 08-May-14

Diesel Range Organics (C10-C28)	ND	29.9	mg/kg							
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##### Duplicate (1419018-DUP1)

Source: P404076-01

Prepared & Analyzed: 07-May-14

Diesel Range Organics (C10-C28)	17500	30.0	mg/kg		29300			50.3	30	D1
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##### Matrix Spike (1419018-MS1)

Source: P404076-01

Prepared & Analyzed: 07-May-14

Diesel Range Organics (C10-C28)	19900		mg/L	250	27800	NR	75-125			SPK1
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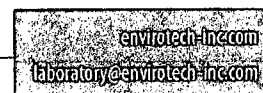
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Crown Quest Operating PO 2221 Farmington NM, 87499	Project Name: Lucerne Federal #3 Project Number: 07151-0014 Project Manager: Sheena Leon	Reported: 12-May-14 08:54
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### Notes and Definitions

SPK I	The spike recovery for this QC sample is outside of control limits.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
D1	Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds control limits.
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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# CHAIN OF CUSTODY RECORD

16951

Client: <b>Crown Quest</b>			Project Name / Location: <b>Lucerne Federal #3</b>			ANALYSIS / PARAMETERS													
Email results to: <b>S. Leon</b>			Sampler Name: <b>S. Leon</b>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: <b>01651-004</b>																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO <sub>3</sub>	HCl	CO <sub>2</sub>												
Primary Spill Comp	5/6/14	11:20	P405010-01	14 oz glass jar			X	+	+										✓
Burnoff 1 comp		11:23	P405010-02				X	+	+										✓
Burnoff 2 comp		11:25	P405010-03				X	+	+										✓
Burnoff 3 comp		11:27	P405010-04				X	+	+										✓
Relinquished by: (Signature) <i>Sheena Leon</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>				Date	Time								
				5/6/14	13:05					5/6/14	13:05								
Relinquished by: (Signature)						Received by: (Signature)													
Sample Matrix																			
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																			



**envirotech**  
Analytical Laboratory

16.1 13.4 14.2