

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

JAN 13 2016

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: Encana Oil & Gas (USA), Inc	Contact: Tucker Smith	
Address: 6584 E Main St., Farmington, NM 87402	Telephone No.: 505-599-2407	
Facility Name: Lybrook I02 2308 01H	Facility Type: E&P Production	
Surface Owner: State Lands	Mineral Owner: State Lands & BLM (comingled)	API No. 30-045-35365

**LOCATION OF RELEASE**

Unit Letter I	Section 2	Township 23N	Range 8W	Feet from the 2298'	North/South Line South	Feet from the 723'	East/West Line East	County San Juan
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Latitude 36.25519 N Longitude 107.64465 W - NAD83

**NATURE OF RELEASE**

Type of Release: Crude Oil	Volume of Release: 6 bbl	Volume Recovered: 6 bbl
Source of Release: Pump freeze / float freeze at Combustor	Date and Hour of Occurrence: 1/2/2015, 06:00	Date and Hour of Discovery 1/2/2015, 06:00
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
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.\*

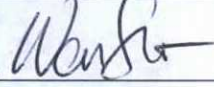
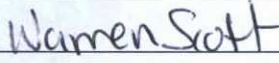

Describe Cause of Problem and Remedial Action Taken.\*

During the early morning of January 2, 2015, freezing temperatures caused a float within a pump to freeze, allowing for approx. 6 bbls of oil to be released from the combustor vents on the Lybrook I02 2308 01H well location.

Describe Area Affected and Cleanup Action Taken.\*

All released fluids were confined to the location boundaries. Vac truck collected all standing fluids. Equipment was used to scrape all affected material from frozen terrain.

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>Tucker Smith</u> 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <u>Tucker Smith</u> 		Approved by Environmental Specialist: 	
Title: Environmental Specialist		Approval Date: <u>2/8/2016</u>	Expiration Date:
E-mail Address: <u>tucker.smith@encana.com</u>		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 1/5/2015	Phone: 505-599-2407		

\* Attach Additional Sheets If Necessary

NC81503741750

12



February 17, 2015

Mr. Brandon Foley  
New Mexico State Lands  
3539 E. 30<sup>th</sup> Street, Suite 205  
Farmington, NM 87402

**Subject: Encana Oil & Gas (USA) Inc.**  
**Request for Closure of Lybrook I02 2308 01H release, 1/2/2015**

Dear Mr. Foley:

Encana Oil & Gas (USA) Inc. (Encana) is hereby providing the State lands – Farmington Field Office with post spill clean up sampling of the Lybrook I02 site on State Lands.

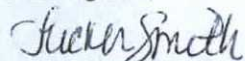
The site ranks "0" based on NMOCD Guidelines for Remediation of Leaks, Spills and Releases, rev. August 1993, IV. A. 2(a)

- Depth to groundwater, > 100 ft, Ranking = 0
- Wellhead protection area, No, Ranking = 0
- Distance to surface water body (Aerial map provided), >1000 ft, Ranking = 0

Sample ID	Recommended Remediation Action Levels at "0" Ranking Score (EPA method 418.1)	Analytical Analysis EPA 418.1 method - TPH *full report attached	Analytical Analysis EPA 8015 method - TPH *full report attached
Lybrook I02 #1 soil	TPH (ppm) 5000	36.0	GRO – ND DRO 434
Lybrook I02 #2 soil	TPH (ppm) 5000	43.9	GRO – ND DRO - ND

Based on the information provided, Encana is requesting Closure of this incident. Please contact me at 505-599-2407 if you have any questions or concerns.

Best regards,



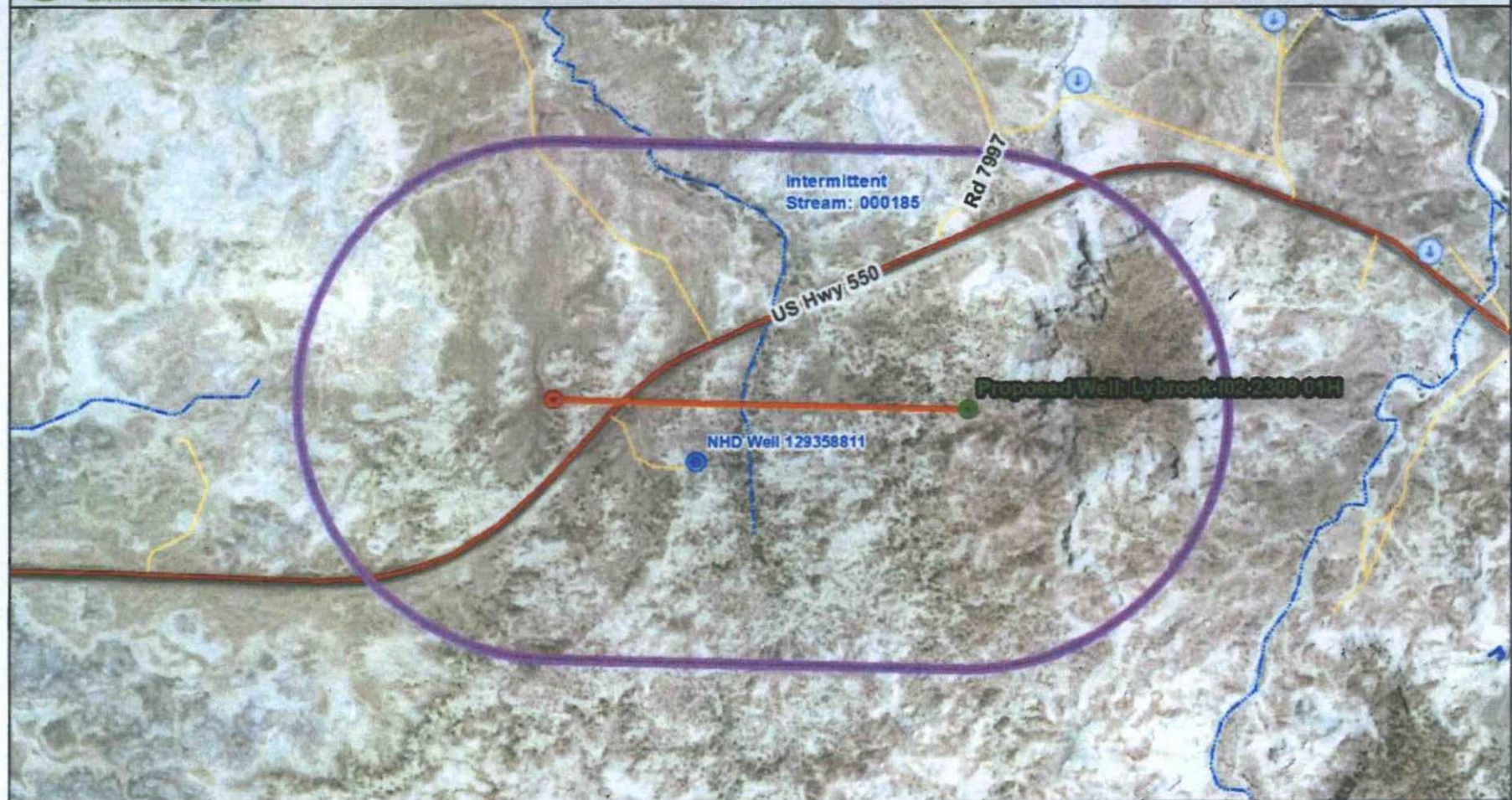
Tucker Smith  
Environmental Specialist, San Juan

Attachments

**Encana Oil & Gas (USA) Inc.**

Republic Plaza 370 17th Street Suite 1700 Denver CO 80202 USA 303.621.2300 [encana.com](http://encana.com)



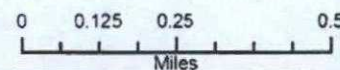


**Legend**

- NHD Well
- ⊕ NM OSE Well Locations
- Bottom Location
- Surface Location
- Project Well Bore
- 0.5 Mile Proposed Well Buffer

- Intermittent
- Perennial
- Lake/Pond

1:18,000



Coordinate System: NAD 1983 UTM Zone 13N

**BASELINE SAMPLING PROGRAM**

**SAN JUAN BASIN**  
PROPOSED WELL:  
LYBROOK 102 2308 01H  
AERIAL MAP

T23N, R8W SECTION 2  
SAN JUAN COUNTY, NEW MEXICO  
CROW MESA WEST, NM QUADRANGLE

Date: 12/11/2012





## Analytical Report

### Report Summary

Client: Encana Oil & Gas USA  
Chain Of Custody Number: 17715  
Samples Received: 1/20/2015 12:53:00PM  
Job Number: 11195-0042  
Work Order: P501056  
Project Name/Location: Lybrook I02 Post Spill  
Sample

Entire Report Reviewed By:

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

Tim Cain, Laboratory Manager

Date: 1/28/15

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.



Encana Oil & Gas USA  
370 17th Street  
Denver CO, 80202

Project Name: Lybrook 102 Post Spill Sample  
Project Number: 11195-0042  
Project Manager: Tucker Smith

Reported:  
28-Jan-15 15:47

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Lybrook 102 #1 Soil	P501056-01A	Soil	01/20/15	01/20/15	Glass Jar, 4 oz.
Lybrook 102 #2 Soil	P501056-02A	Soil	01/20/15	01/20/15	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401

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

Ph: (505) 632-0615 Ex: (505) 632-1865

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

envirotech-inc.com  
laboratory@envirotech-inc.com



Encana Oil & Gas USA  
370 17th Street  
Denver CO, 80202

Project Name: Lybrook 102 Post Spill Sample  
Project Number: 11195-0042  
Project Manager: Tucker Smith

Reported:  
28-Jan-15 15:47

**Lybrook 102 #1 Soil**  
**P501056-01 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1504020	01/22/15	01/28/15	EPA 8015D	
Diesel Range Organics (C10-C28)	434	29.9	mg/kg	1	1504019	01/22/15	01/27/15	EPA 8015D	
Surrogate <i>n</i> -Terphenyl		138 %		50-200	1504019	01/22/15	01/27/15	EPA 8015D	
Surrogate 4-Bromochlorobenzene-FII)		105 %		50-150	1504020	01/22/15	01/28/15	EPA 8015D	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	36.0	35.0	mg/kg	1	1505018	01/28/15	01/28/15	EPA 418.1	

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Encana Oil & Gas USA  
370 17th Street  
Denver CO, 80202

Project Name: Lybrook 102 Post Spill Sample  
Project Number: 11195-0042  
Project Manager: Tucker Smith

Reported:  
28-Jan-15 15:47

**Lybrook 102 #2 Soil**  
**P501056-02 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1504020	01/22/15	01/28/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1504019	01/22/15	01/27/15	EPA 8015D	
Surrogate: o-Terphenyl		104 %		50-200	1504019	01 22 15	01 27 15	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		104 %		50-150	1504020	01 22 15	01 28 15	EPA 8015D	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	43.9	34.9	mg/kg	1	1505018	01/28/15	01/28/15	EPA 418.1	

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Encana Oil & Gas USA  
370 17th Street  
Denver CO, 80202

Project Name: Lybrook 102 Post Spill Sample  
Project Number: 11195-0042  
Project Manager: Tucker Smith

Reported:  
28-Jan-15 15:47

### 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 1504019 - DRO Extraction EPA 3550M</b>										
<b>Blank (1504019-BLK1)</b>				Prepared: 21-Jan-15 Analyzed: 22-Jan-15						
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg							
Surrogate: o-Terphenyl	44.0		"	39.9		110	50-200			
<b>LCS (1504019-BS1)</b>				Prepared: 21-Jan-15 Analyzed: 22-Jan-15						
Diesel Range Organics (C10-C28)	491	30.0	mg/kg	500		98.3	38-132			
Surrogate: o-Terphenyl	43.5		"	40.0		109	50-200			
<b>Matrix Spike (1504019-MS1)</b>				Source: P501044-01 Prepared: 21-Jan-15 Analyzed: 22-Jan-15						
Diesel Range Organics (C10-C28)	795	30.0	mg/kg	499	318	95.6	38-132			
Surrogate: o-Terphenyl	45.5		"	39.9		114	50-200			
<b>Matrix Spike Dup (1504019-MSD1)</b>				Source: P501044-01 Prepared: 21-Jan-15 Analyzed: 22-Jan-15						
Diesel Range Organics (C10-C28)	753	30.0	mg/kg	499	318	87.2	38-132	5.37	20	
Surrogate: o-Terphenyl	42.7		"	40.0		107	50-200			

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Encana Oil & Gas USA  
370 17th Street  
Denver CO, 80202

Project Name: Lybrook 102 Post Spill Sample  
Project Number: 11195-0042  
Project Manager: Tucker Smith

Reported:  
28-Jan-15 15:47

### 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 1504020 - Purge and Trap EPA 5030A</b>										
<b>Blank (1504020-BLK1)</b>				Prepared: 21-Jan-15 Analyzed: 22-Jan-15						
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.411		"	0.399		103	50-150			
<b>LCS (1504020-BS1)</b>				Prepared: 21-Jan-15 Analyzed: 22-Jan-15						
Gasoline Range Organics (C6-C10)	269	9.98	mg/kg	291		92.3	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.413		"	0.399		103	50-150			
<b>Matrix Spike (1504020-MS1)</b>				Source: P501044-01 Prepared: 21-Jan-15 Analyzed: 22-Jan-15						
Gasoline Range Organics (C6-C10)	397	10.0	mg/kg	292	154	83.3	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.447		"	0.400		112	50-150			
<b>Matrix Spike Dup (1504020-MSD1)</b>				Source: P501044-01 Prepared: 21-Jan-15 Analyzed: 22-Jan-15						
Gasoline Range Organics (C6-C10)	373	9.99	mg/kg	292	154	75.0	75-125	6.34	15	
Surrogate: 4-Bromochlorobenzene-FID	0.441		"	0.400		110	50-150			

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Encana Oil & Gas USA	Project Name:	Lybrook 102 Post Spill Sample	<b>Reported:</b> 28-Jan-15 15:47
370 17th Street	Project Number:	11195-0042	
Denver CO, 80202	Project Manager	Tucker Smith	

### Total Petroleum Hydrocarbons by 418.1 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1505018 - 418 Freon Extraction</b>										
<b>Blank (1505018-BL.K1)</b>				Prepared & Analyzed 28-Jan-15						
Total Petroleum Hydrocarbons	ND	34.9	mg/kg							
<b>Duplicate (1505018-DUP1)</b>				Source: P501060-02 Prepared & Analyzed 28-Jan-15						
Total Petroleum Hydrocarbons	25800	350	mg/kg		25400			1.82	30	
<b>Matrix Spike (1505018-MS1)</b>				Source: P501060-02 Prepared & Analyzed 28-Jan-15						
Total Petroleum Hydrocarbons	31300	350	mg/kg	2020	25400	296	80-120			SPK1

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Encana Oil & Gas USA  
370 17th Street  
Denver CO, 80202

Project Name: Lybrook I02 Post Spill Sample  
Project Number: 11195-0042  
Project Manager: Tucker Smith

**Reported:**  
28-Jan-15 15:47

#### Notes and Definitions

SPK1 The spike recovery for this QC sample is outside of 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

17715

Client: Encana Oil & Gas			Project Name / Location: Lybrook IOZ post spill sample			ANALYSIS / PARAMETERS													
Email results to: tucker.smith@encana.com			Sampler Name: Tucker Smith			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.: 979-204-7485			Client No.: 11195-0042																
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No. / Volume of Containers	Preservative														
					HNO <sub>3</sub>	HCl													
Lybrook IOZ #1	1/20/15	11:24	P50105601	1			X							X				✓	✓
Lybrook IOZ #2	1/20/15	11:24	-02	1			X							X				✓	✓
Relinquished by: (Signature) <i>Tucker Smith</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>					Date	Time						
Relinquished by: (Signature)					1/20/15	12:53	Received by: (Signature)					1/20/15	12:53						
Sample Matrix																			
Solid <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.																			



2.3 3.4