

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 April 3, 2017

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 and Gas (USA) Inc.	Contact: Paul Buck	
Address: 370 17 th St., Suite 1700 Denver, CO 80202	Telephone No. 720-876-3513	
Facility Name: Nageezi 405H & 406H	Facility Type: Tank Battery	
Surface Owner	Mineral Owner	API No. 30-045-35841

LOCATION OF RELEASE

Unit Letter	Section 3	Township 23N	Range 9W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.25418500° Longitude -107.77947000° NAD83

NATURE OF RELEASE

Type of Release: Oil	Volume of Release: 60 bbl	Volume Recovered
Source of Release: Tank overflow	Date and Hour of Occurrence: 6/2/2018: ~03:00	Date and Hour of Discovery: 6/2/2018, 06:00
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Mr. Corey Smith	
By Whom? Paul Buck	Date and Hour: 6/2/2018 16: 52	
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.*

NMOC

JUL 23 2018

Describe Cause of Problem and Remedial Action Taken.*

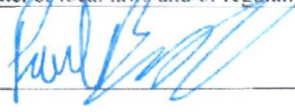
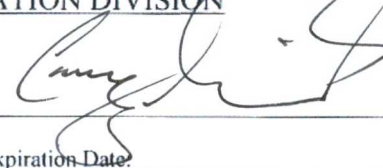

A tank overflowed releasing roughly 60 bbl to the lined secondary containment. Roughly 5-10 gallons breached the secondary containment through a faulty seam. Upon discovery the oil was routed to another tank that had capacity to handle the oil and absorbent "diapers" were used to keep the oil outside of secondary containment from moving.

DISTRICT III

Describe Area Affected and Cleanup Action Taken.*

The affected area was primarily lined secondary containment and the oil and any impacted gravel out of the containment was vac trucked and sent for disposal. The minor area outside of the containment that was affected was cleaned up by removing the impacted dirt and sending for disposal. Confirmation sampling results are attached showing complete cleanup.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC 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, NMOC 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: 	OIL CONSERVATION DIVISION	
Printed Name: Paul Buck	Approved by Environmental Specialist: 	
Title: Manager, Field Environmental, Western Operating Area	Approval Date: 7/25/18	Expiration Date:
E-mail Address: paul.buck@encana.com	Conditions of Approval: 	Attached <input type="checkbox"/>
Date: 7/23/2018	Phone: 720-876-3513	

* Attach Additional Sheets If Necessary

NCS 18163 48 523

(12)

Smith, Cory, EMNRD

From: Buck, Paul R. <Paul.Buck@encana.com>
Sent: Wednesday, July 25, 2018 7:41 AM
To: Smith, Cory, EMNRD
Cc: Merrell, Steven E.; Fields, Vanessa, EMNRD
Subject: Re: NAU 405H sampling 7/13 at 9

Categories: Release Inspection

Hi Cory.

Only 1 place in the liner was compromised- where a seam had come apart and needed to be re- welded. The liner was inspected visually after being cleaned. Thanks,

Paul

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From: Smith, Cory, EMNRD <cory.smith@state.nm.us>
Sent: Wednesday, July 25, 2018 7:11 AM
To: Buck, Paul R.
Cc: Merrell, Steven E.; Fields, Vanessa, EMNRD
Subject: RE: NAU 405H sampling 7/13 at 9

Paul,

Were there multiple holes in the liner? How did Encana inspect the liner?

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Buck, Paul R. <Paul.Buck@encana.com>
Sent: Tuesday, July 24, 2018 1:36 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Merrell, Steven E. <Steven.Merrell@encana.com>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: RE: NAU 405H sampling 7/13 at 9

Hi Cory,

I certify that Encana has inspected the liner and repaired the liner where needed. Moving forward, Encana will include this type of information in our C141 submittal per your instruction. Thank you,

Paul

Paul Buck

Manager, Field Environmental, Western Operations

t 720.876.3513

c 303.882.5868

Encana Services Company Ltd.

Encana.com

Encana Services Company Ltd. provides operational, corporate, administrative and advisory services to Encana Corporation and its subsidiaries.

From: Buck, Paul R.

Sent: Tuesday, July 24, 2018 11:23 AM

To: 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>

Cc: Merrell, Steven E. <Steven.Merrell@encana.com>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>

Subject: RE: NAU 405H sampling 7/13 at 9

Hi Cory,

Sorry about that, I was so worried about the confirmation sampling that I forgot about that. After cleaning the liner, a separation was found on the seam through with the liquid escaped the berm. The liner was cleaned and welded back together. The liner is now intact. Thank you,

Paul

Paul Buck

Manager, Field Environmental, Western Operations

t 720.876.3513

c 303.882.5868

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Encana.com

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From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>

Sent: Monday, July 23, 2018 3:36 PM

To: Buck, Paul R. <Paul.Buck@encana.com>

Cc: Merrell, Steven E. <Steven.Merrell@encana.com>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>

Subject: RE: NAU 405H sampling 7/13 at 9

Paul,

Reviewing the C-141 final dropped off today. Did Encana Verify the integrity of the liner, if so how?

Thanks,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Smith, Cory, EMNRD
Sent: Thursday, July 12, 2018 7:15 AM
To: 'Buck, Paul R.' <Paul.Buck@encana.com>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Cc: Merrell, Steven E. <Steven.Merrell@encana.com>
Subject: RE: NAU 405H sampling 7/13 at 9

Paul,

Sampling time works for me Thanks

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Buck, Paul R. <Paul.Buck@encana.com>
Sent: Tuesday, July 10, 2018 8:49 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Cc: Merrell, Steven E. <Steven.Merrell@encana.com>
Subject: NAU 405H sampling 7/13 at 9

Hi Cory and Vanessa,

Wanted to make sure that you both got this: we're going to perform sampling at the NAU 405H at 9 on Friday 7/13. Thank you,

Paul

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July 23, 2018

Mr. Corey Smith, Environmental Specialist
New Mexico Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos
Aztec, NM 87402

**Subject: Encana Oil & Gas (USA) Inc. – Nageezi 405H and 406H
Release Notification and Corrective Action – Form C-141**

Dear Mr. Smith:

By this letter and attachments hereto, Encana Oil & Gas (USA) Inc. (Encana) is hereby providing District III of the New Mexico Oil Conservation Division (NMOCD) with written notification of the completion of remediation of a minor unauthorized release as required by 19.15.29.8 NMAC. Attached you will find a signed copy of Release Notification and Corrective Action Form C-141 that provides all pertinent information related to this minor unauthorized release and remedial actions, as well as the confirmation sampling results verifying that the remediation is completed.

Please contact me at 720-876-3513 if you have any questions or concerns.

Best regards,

A handwritten signature in blue ink, appearing to read "Paul Buck", is written over a light blue circular stamp.

Paul Buck
Manager, Field Environmental, Western Operating Area

Attachments

Encana Oil & Gas (USA) Inc.

Republic Plaza 370 17th Street Suite 1700 Denver CO 80202 USA 303.623.2300 encana.com



Analytical Report

Report Summary

Client: Encana Oil & Gas USA
Chain Of Custody Number:
Samples Received: 7/13/2018 11:50:00AM
Job Number: 11195-0221
Work Order: P807018
Project Name/Location: Nageezi 405H
Confirmation Samples

Report Reviewed By:

Date: 7/19/18

Walter Hinchman, Laboratory Director

Date: 7/19/18

Tim Cain, Project Manager



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc. currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.



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

Project Name: Nageezi 405H Confirmation Samples
Project Number: 11195-0221
Project Manager: Felipe Aragon

Reported:
19-Jul-18 15:20

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Excavation Comp	P807018-01A	Soil	07/13/18	07/13/18	Glass Jar, 4 oz.
	P807018-01B	Soil	07/13/18	07/13/18	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401
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Ph: (970) 259-0615 Fx: (800) 362-1879

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laboratory@envirotech-inc.com



Encana Oil & Gas USA	Project Name:	Nageezi 405H Confirmation Samples	Reported: 19-Jul-18 15:20
370 17th Street	Project Number:	11195-0221	
Denver CO, 80202	Project Manager:	Felipe Aragon	

**Excavation Comp
P807018-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Volatile Organics by EPA 8021

Benzene	ND	100	ug/kg	1	1829002	07/16/18	07/18/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1829002	07/16/18	07/18/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1829002	07/16/18	07/18/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1829002	07/16/18	07/18/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1829002	07/16/18	07/18/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1829002	07/16/18	07/18/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1829002	07/16/18	07/18/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.8 %		50-150	1829002	07/16/18	07/18/18	EPA 8021B	

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1829002	07/16/18	07/18/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1829001	07/17/18	07/17/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1829001	07/17/18	07/17/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %		50-150	1829002	07/16/18	07/18/18	EPA 8015D	
Surrogate: n-Nonane		102 %		50-200	1829001	07/17/18	07/17/18	EPA 8015D	

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

Project Name: Nageezi 405H Confirmation Samples
Project Number: 11195-0221
Project Manager: Felipe Aragon

Reported:
19-Jul-18 15:20

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 1829002 - Purge and Trap EPA 5030A

Blank (1829002-BLK1)

Prepared: 16-Jul-18 Analyzed: 17-Jul-18

Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	7966		"	8000		98.8	50-150			

LCS (1829002-BS1)

Prepared: 16-Jul-18 Analyzed: 17-Jul-18

Benzene	4940	100	ug/kg	5000		98.8	70-130			
Toluene	5020	100	"	5000		100	70-130			
Ethylbenzene	5070	100	"	5000		102	70-130			
p,m-Xylene	9830	200	"	10000		98.3	70-130			
o-Xylene	5060	100	"	5000		101	70-130			
Total Xylenes	14900	100	"	15000		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7890		"	8000		98.7	50-150			

Matrix Spike (1829002-MS1)

Source: P807015-01

Prepared: 16-Jul-18 Analyzed: 17-Jul-18

Benzene	5220	100	ug/kg	5000	ND	104	54.3-133			
Toluene	5330	100	"	5000	ND	107	61.4-130			
Ethylbenzene	5300	100	"	5000	ND	106	61.4-133			
p,m-Xylene	10300	200	"	10000	ND	103	63.3-131			
o-Xylene	5240	100	"	5000	ND	105	63.3-131			
Total Xylenes	15500	100	"	15000	ND	104	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	7650		"	8000		95.6	50-150			

Matrix Spike Dup (1829002-MSD1)

Source: P807015-01

Prepared: 16-Jul-18 Analyzed: 17-Jul-18

Benzene	5120	100	ug/kg	5000	ND	102	54.3-133	1.99	20	
Toluene	5280	100	"	5000	ND	106	61.4-130	0.925	20	
Ethylbenzene	5290	100	"	5000	ND	106	61.4-133	0.149	20	
p,m-Xylene	10300	200	"	10000	ND	103	63.3-131	0.311	20	
o-Xylene	5240	100	"	5000	ND	105	63.3-131	0.0439	20	
Total Xylenes	15600	100	"	15000	ND	104	63.3-131	0.192	20	
Surrogate: 4-Bromochlorobenzene-PID	7810		"	8000		97.6	50-150			

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Encana Oil & Gas USA	Project Name:	Nageezi 405H Confirmation Samples	Reported: 19-Jul-18 15:20
370 17th Street	Project Number:	11195-0221	
Denver CO, 80202	Project Manager:	Felipe Aragon	

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 1829001 - DRO Extraction EPA 3570

Blank (1829001-BLK1)

Prepared & Analyzed: 17-Jul-18

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	50.4		"	50.0		101	50-200			

ICS (1829001-BS1)

Prepared: 17-Jul-18 Analyzed: 18-Jul-18

Diesel Range Organics (C10-C28)	486	25.0	mg/kg	500		97.2	38-132			
Surrogate: n-Nonane	59.8		"	50.0		120	50-200			

Matrix Spike (1829001-MS1)

Source: P807020-01

Prepared & Analyzed: 17-Jul-18

Diesel Range Organics (C10-C28)	1630	50.0	mg/kg	500	1050	116	38-132			
Surrogate: n-Nonane	68.4		"	50.0		137	50-200			

Matrix Spike Dup (1829001-MSD1)

Source: P807020-01

Prepared & Analyzed: 17-Jul-18

Diesel Range Organics (C10-C28)	1540	50.0	mg/kg	500	1050	99.0	38-132	5.26	20	
Surrogate: n-Nonane	70.5		"	50.0		141	50-200			

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Encana Oil & Gas USA	Project Name:	Nageezi 405H Confirmation Samples	Reported: 19-Jul-18 15:20
370 17th Street	Project Number:	11195-0221	
Denver CO, 80202	Project Manager:	Felipe Aragon	

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 1829002 - Purge and Trap EPA 5030A

Blank (1829002-BLK1)

Prepared: 16-Jul-18 Analyzed: 17-Jul-18

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		"	8.00		93.7	50-150			

LCS (1829002-BS2)

Prepared: 16-Jul-18 Analyzed: 17-Jul-18

Gasoline Range Organics (C6-C10)	50.9	20.0	mg/kg	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		"	8.00		99.2	50-150			

Matrix Spike (1829002-MS2)

Source: P807015-01

Prepared: 16-Jul-18 Analyzed: 17-Jul-18

Gasoline Range Organics (C6-C10)	54.1	20.0	mg/kg	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		"	8.00		96.5	50-150			

Matrix Spike Dup (1829002-MSD2)

Source: P807015-01

Prepared: 16-Jul-18 Analyzed: 17-Jul-18

Gasoline Range Organics (C6-C10)	52.6	20.0	mg/kg	50.0	ND	105	70-130	2.74	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.14		"	8.00		102	50-150			

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

Project Name: Nageezi 405H Confirmation Samples
Project Number: 11195-0221
Project Manager: Felipe Aragon

Reported:
19-Jul-18 15:20

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
RPD Relative Percent Difference
** Methods marked with ** are non-accredited methods.

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