

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

REVISED

OPERATOR

☐ Initial Report

☒ Final Report

Name of Company Encana Oil & Gas (USA) Inc.	Contact Kirsten Derr
Address 370 17 th Street, Suite 1700, Denver, CO 80202	Telephone No. 720-876-3161
Facility Name Lease Road leading from Good Times A06-2310	Facility Type County Road

Surface Owner Well pad – BLM, Road-unclear	Mineral Owner BLM	API No. 3004535319
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LOCATION OF RELEASE

Unit Letter P	Section 32-34	Township 24N	Range 10W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude 36.265530 Longitude -107.911460

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 25 bbls	Volume Recovered 0 bbls
Source of Release Water truck	Date and Hour of Occurrence 9/19/2012 5:24 am	Date and Hour of Discovery 9/19/2012 5:24 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly	
By Whom? Kirsten Derr	Date and Hour 9/20/2012 3:48 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.*

RCVD OCT 29 '12
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*

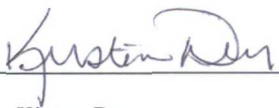
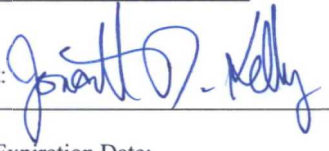
Cross over hose on truck broke while the vehicle was in motion and accompanying backup valve was not fully closed causing water to flow out of truck while it was driving down the road. Another driver stopped the truck, valve was closed and driver continued to disposal site. Trucking company has been asked to review their valve lock procedures and training.

Soil samples were taken and results are attached

Describe Area Affected and Cleanup Action Taken.*

An approximate 1 foot wide swath of road for approximately 1 mile stretch was affected. By the time a company person got out to inspect the site, there was little evidence of a spill, a few small puddles left in the road and no staining or discoloration. Diagram of area is attached.

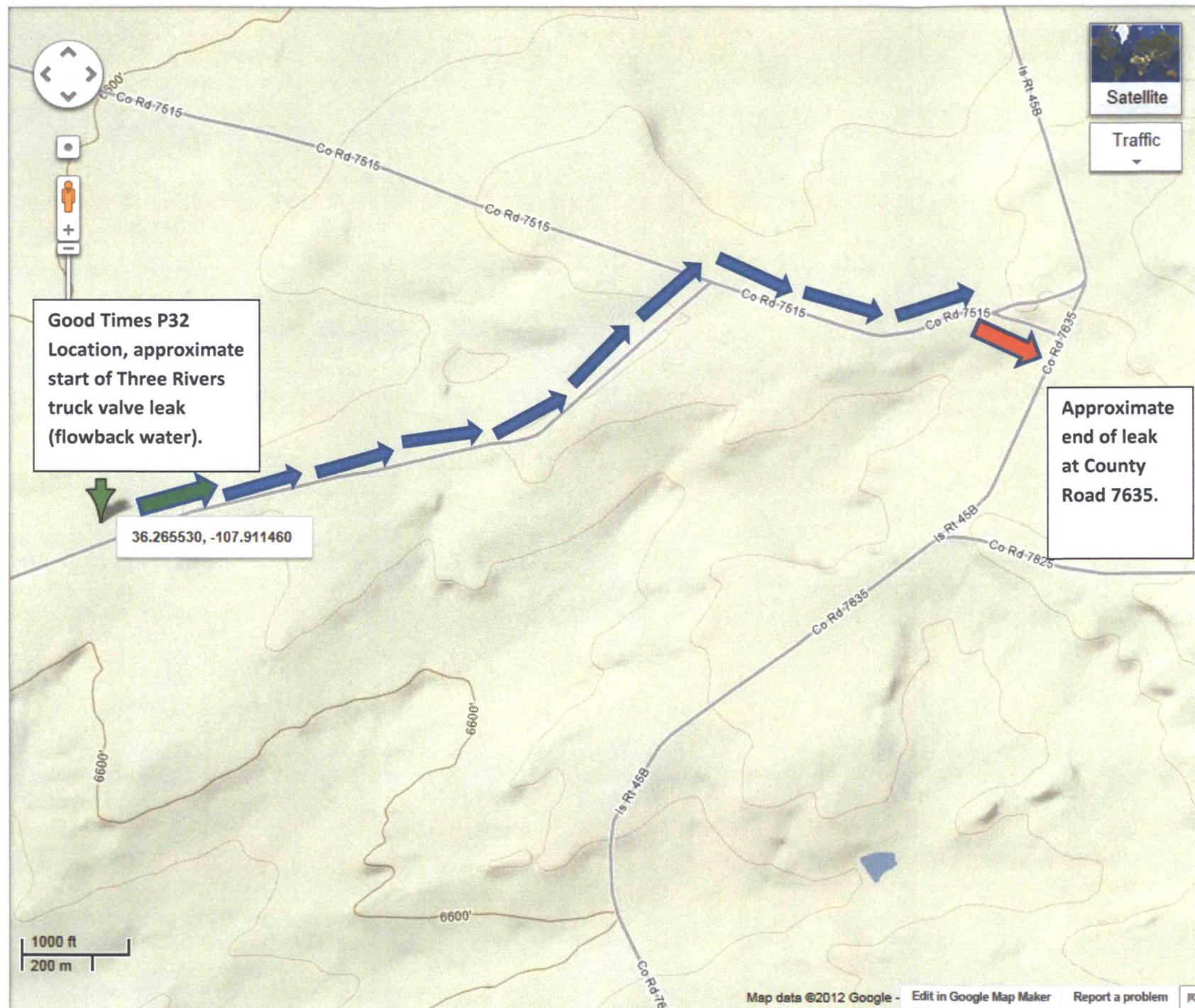
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 		OIL CONSERVATION DIVISION	
Printed Name: Kirsten Derr		Approved by Environmental Specialist: 	
Title: Environmental Specialist		Approval Date: 4/4/2013	Expiration Date:
E-mail Address: Kirsten.Derr@encana.com		Conditions of Approval:	
Date: 10/24/2012 Phone: 720-876-3161		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

NJK1309449484

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Report Summary

Client: Encana

Chain of Custody Number: 14466

Samples Received: 09-21-12

Job Number: 11195-0011

Sample Number(s): 63296-63297

Project Name/Location: Goodtime P32

Entire Report Reviewed By:

Jaime Zozor

Date:

09-25-12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Encana	Project #:	11195-0011
Sample ID:	Background Comp	Date Reported:	09-24-12
Laboratory Number:	63296	Date Sampled:	09-20-12
Chain of Custody No:	14466	Date Received:	09-21-12
Sample Matrix:	Soil	Date Extracted:	09-21-12
Preservative:	Cool	Date Analyzed:	09-24-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Good Time P32**



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Encana	Project #:	11195-0011
Sample ID:	Spill Comp	Date Reported:	09-24-12
Laboratory Number:	63297	Date Sampled:	09-20-12
Chain of Custody No:	14466	Date Received:	09-21-12
Sample Matrix:	Soil	Date Extracted:	09-21-12
Preservative:	Cool	Date Analyzed:	09-24-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Good Time P32**



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0924TCAL QA/QC	Date Reported:	09-24-12
Laboratory Number:	63326	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-24-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	09-24-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	09-24-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	50.2	51.0	1.6%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	260	104%	75 - 125%
Diesel Range C10 - C28	50.2	250	333	111%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was
 SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 63245, 63262-63267, 63296-63297 and 63326-63327



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Encana	Project #:	11195-0011
Sample ID:	Background Comp	Date Reported:	09-24-12
Laboratory Number:	63296	Date Sampled:	09-20-12
Chain of Custody:	14466	Date Received:	09-21-12
Sample Matrix:	Soil	Date Analyzed:	09-24-12
Preservative:	Cool	Date Extracted:	09-21-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	83.2 %
	1,4-difluorobenzene	90.7 %
	Bromochlorobenzene	90.6 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Good Time P32



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Encana	Project #:	11195-0011
Sample ID:	Spill Comp	Date Reported:	09-24-12
Laboratory Number:	63297	Date Sampled:	09-20-12
Chain of Custody:	14466	Date Received:	09-21-12
Sample Matrix:	Soil	Date Analyzed:	09-24-12
Preservative:	Cool	Date Extracted:	09-21-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	84.9 %
	1,4-difluorobenzene	97.6 %
	Bromochlorobenzene	101 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Good Time P32



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	0924BCAL QA/QC	Date Reported:	09-24-12
Laboratory Number:	63327	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-24-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Range 0-15%	%Diff.	Blank Conc	Detect. Limit
Benzene	9.4015E-06	9.3961E-06	0.001	ND	0.2
Toluene	9.3523E-06	8.8267E-06	0.056	ND	0.2
Ethylbenzene	9.8456E-06	9.8879E-06	0.004	ND	0.2
p,m-Xylene	7.1243E-06	7.1243E-06	0.000	ND	0.2
o-Xylene	9.9192E-06	9.9192E-06	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.00	0 - 30%	10
Toluene	13.3	13.3	0.00	0 - 30%	10
Ethylbenzene	ND	ND	0.00	0 - 30%	10
p,m-Xylene	25.4	25.1	0.01	0 - 30%	10
o-Xylene	ND	ND	0.00	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2190	87.6	39 - 150
Toluene	13.3	2500	2350	93.5	46 - 148
Ethylbenzene	ND	2500	2200	88.0	32 - 160
p,m-Xylene	25.4	5000	4430	88.1	46 - 148
o-Xylene	ND	2500	2220	88.8	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 63256, 63276, 63296-63297 and 63326-63327



Chloride

Client:	Encana	Project #:	11195-0011
Sample ID:	Background Comp	Date Reported:	09-23-12
Lab ID#:	63296	Date Sampled:	09-20-12
Sample Matrix:	Soil	Date Received:	09-21-12
Preservative:	Cool	Date Analyzed:	09-21-12
Condition:	Intact	Chain of Custody:	14466

Parameter	Concentration (mg/Kg)
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Total Chloride

17.2

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Goodtime P32**



Chloride

Client:	Encana	Project #:	11195-0011
Sample ID:	Spill Comp	Date Reported:	09-23-12
Lab ID#:	63297	Date Sampled:	09-20-12
Sample Matrix:	Soil	Date Received:	09-21-12
Preservative:	Cool	Date Analyzed:	09-21-12
Condition:	Intact	Chain of Custody:	14466

Parameter	Concentration (mg/Kg)
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Total Chloride

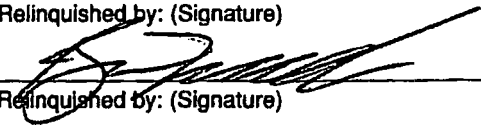
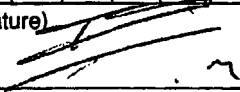

201

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Goodtime P32

CHAIN OF CUSTODY RECORD

14466

Client: Encana			Project Name / Location: Goodtime P32			ANALYSIS / PARAMETERS															
Email results to:			Sampler Name: Felipe ARAGON			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.: 11195-0011																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative			TPH	BTEX	VOC	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
					HgCl ₂	HCl	C ₂														
Background Comp	9/20/12	15:30	63296	1-402			X	X	X								X			Y	Y
Spill Comp	9/20/12	15:30	63297	1-402			X	X	X								X			Y	Y
Relinquished by: (Signature) 				Date	Time	Received by: (Signature) 				Date	Time										
Relinquished by: (Signature)				9/20/12	7:24	Received by: (Signature)				9/20/12	7:24										
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.																					

5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com