District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, 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 October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Energen Resources, Inc.	**Contact:** Ed Hasely
Address: 2010 Afton Place, Farmington, NM 87401	**Telephone No:** 505-324-4131
Facility Name: Jicarilla L #4 (API # - 3003920337)	**Facility Type:** Oil/Gas Well Site

Surface Owner: Jicarilla Apache Tribe	**Mineral Owner:** Jicarilla Apache Tribe	**Lease No.** Jicarilla Apache L

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
G	9	24N	5W	1650	North	1700	East	Rio Arriba

Latitude 36.32964 **Longitude** -107.36250

NATURE OF RELEASE

Type of Release: Condensate	**Volume of Release:** 40 bbls – Condensate	**Volume Recovered:** 0 bbls
Source of Release: Condensate Tank	**Date and Hour of Occurrence:** 3/7/11	**Date and Hour of Discovery:** 3/7/11
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom?** Bryce Hammond – Jicarilla O&G; Brandon Powell – NMOCD, Hobson Sandoval – Jicarilla EPO; Kevin Schneider - BLM	
By Whom? Bert Thomas / Ed Hasely	**Date and Hour:** 3/7/11 at 9 am – Jicarilla, 3/8/11 at 7:30 am – OCD and BLM	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse.** NA	

If a Watercourse was Impacted, Describe Fully.* NA

RECEIVED
MAR 2011
OIL CONS. DIV. DIST. 3

Describe Cause of Problem and Remedial Action Taken.*
A corrosion hole in the bottom of the condensate storage tank allowed the contents of the condensate tank to leak out into the bermed area. All fluids were contained inside the tank berm.

Describe Area Affected and Cleanup Action Taken.* The storage tank was moved so that the impacted soil around and beneath the equipment could be removed. Impacted soils were excavated and transported to a commercial disposal facility. Samples were collected from the excavation and sent to a laboratory for analysis The lab analyses are attached to this report. The excavation was backfilled w/ clean soils

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: Ed Hasely	OIL CONSERVATION DIVISION
Printed Name: Ed Hasely	Approved by District Supervisor: Brad Jones
Title: Sr. Environmental Engineer	Approval Date: 3/28/11 Expiration Date:
E-mail Address. ed hasely@energen com	Conditions of Approval: nJK1122147922 Attached ☐
Date 3/24/11 Phone: 505-324-4131 / 505-330-3584(cell)	

* Attach Additional Sheets If Necessary

envirotech
Analytical Laboratory

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-0168
Sample ID:	Excavation-Side	Date Reported:	03-18-11
Laboratory Number:	57623	Date Sampled:	03-17-11
Chain of Custody No:	11381	Date Received:	03-17-11
Sample Matrix:	Soil	Date Extracted:	03-17-11
Preservative:	Cool	Date Analyzed:	03-18-11
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)	**0.2**	**0.1**
Total Petroleum Hydrocarbons	**0.2**	

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: **Jicarilla L #4**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-0168
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Chain of Custody No:	11381	Date Received:	03-17-11
Sample Matrix:	Soil	Date Extracted:	03-17-11
Preservative:	Cool	Date Analyzed:	03-18-11
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)	**0.9**	**0.1**
Total Petroleum Hydrocarbons	**0.9**	

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: **Jicarilla L #4**

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	Excavation Side	Date Reported:	03-18-11
Laboratory Number:	57623	Date Sampled:	03-17-11
Chain of Custody:	11381	Date Received:	03-17-11
Sample Matrix:	Soil	Date Analyzed:	03-18-11
Preservative:	Cool	Date Extracted:	03-17-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**ND**	**1.0**
Ethylbenzene	**ND**	**1.0**
p,m-Xylene	**ND**	**1.2**
o-Xylene	**ND**	**0.9**
Total BTEX	**ND**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**105 %**
	1,4-difluorobenzene	**106 %**
	Bromochlorobenzene	**95.9 %**

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: **Jicarilla L #4**

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	Excavation Bottom	Date Reported:	03-18-11
Laboratory Number:	57624	Date Sampled:	03-17-11
Chain of Custody:	11381	Date Received:	03-17-11
Sample Matrix:	Soil	Date Analyzed:	03-18-11
Preservative:	Cool	Date Extracted:	03-17-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**ND**	**1.0**
Ethylbenzene	**ND**	**1.0**
p,m-Xylene	**21.0**	**1.2**
o-Xylene	**1.7**	**0.9**
Total BTEX	**22.7**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**105 %**
	1,4-difluorobenzene	**104 %**
	Bromochlorobenzene	**92.9 %**

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: **Jicarilla L #4**

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Analytical Laboratory

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Energen	Project #:	03022-0168
Sample ID:	Excavation-Side	Date Reported:	03/18/11
Laboratory Number:	57623	Date Sampled:	03/17/11
Chain of Custody No:	11381	Date Received:	03/17/11
Sample Matrix:	Soil	Date Extracted:	03/18/11
Preservative:	Cool	Date Analyzed:	03/18/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**12.0**	**6.7**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jicarilla L #4**

Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Energen	Project #:	03022-0168
Sample ID:	Excavation-Bottom	Date Reported:	03/18/11
Laboratory Number:	57624	Date Sampled:	03/17/11
Chain of Custody No:	11381	Date Received:	03/17/11
Sample Matrix:	Soil	Date Extracted:	03/18/11
Preservative:	Cool	Date Analyzed:	03/18/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**10.7**	**6.7**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jicarilla L #4**

Analyst

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Analytical Laboratory

Chloride

Client:	Energen	Project #:	03022-0168
Sample ID:	Excavation-Side	Date Reported:	03/18/11
Lab ID#:	57623	Date Sampled:	03/17/11
Sample Matrix:	Soil	Date Received:	03/17/11
Preservative:	Cool	Date Analyzed:	03/18/11
Condition:	Intact	Chain of Custody:	11381

Parameter	Concentration (mg/Kg)
Total Chloride	**20**

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: **Jicarilla L #4**

Analyst

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Chloride

Client:	Energen	Project #:	03022-0168
Sample ID:	Excavation-Bottom	Date Reported:	03/18/11
Lab ID#:	57624	Date Sampled:	03/17/11
Sample Matrix:	Soil	Date Received:	03/17/11
Preservative:	Cool	Date Analyzed:	03/18/11
Condition:	Intact	Chain of Custody:	11381

Parameter	Concentration (mg/Kg)
Total Chloride	**40**

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: **Jicarilla L #4**

Analyst

Review

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Ed Hasely

From: Ed Hasely
Sent: Tuesday, March 08, 2011 7:50 AM
To: Powell, Brandon, EMNRD
Cc: 'kevin_schneider@nm.blm.gov'; 'hsandoval_99@yahoo.com'
Subject: Oil Spill - Jicarilla L #4

Brandon – As per my message, an oil spill was discovered on our Jicarilla L #4 well site yesterday. The well is located in Unit Letter G – Section 9 – T24N – R5W in Rio Arriba County. It has not yet been determined, but it appears that either the drain valve on the oil storage tank broke or that a small hole developed in the bottom of the tank. Approximately 35-40 bbls of oil were discharged into the bermed area. Plans are to excavate the impacted soils and to disposed of the impacted soils at a permitted disposal facility.

Let me know if there are any questions.

Ed Hasely
Energen Resources Corporation
Sr. Environmental Engineer
ed.hasely@energen.com
Office: (505) 324-4131
Cell: (505) 330-3584