

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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

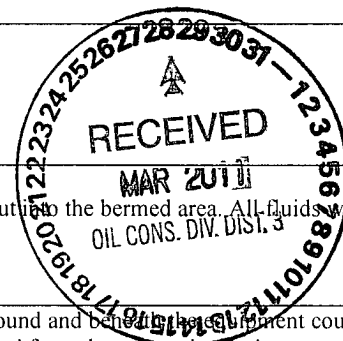
If a Watercourse was Impacted, Describe Fully.* NA

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 tank 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:		OIL CONSERVATION DIVISION	
Printed Name: Ed Hasely		Approved by District Supervisor:	
Title: Sr. Environmental Engineer		Approval Date: 3/28/11	Expiration Date:
E-mail Address: ed.hasely@energen.com		Conditions of Approval:	
Date: 3/24/11 Phone: 505-324-4131 / 505-330-3584(cell)		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary



**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



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Analytical Laboratory

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

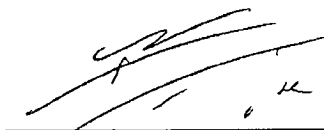
Client:	Energen	Project #:	03022-0168
Sample ID:	Excavation-Bottom	Date Reported:	03-18-11
Laboratory Number:	57624	Date Sampled:	03-17-11
Chain of Custody No:	11381	Date Received:	03-17-11
Sample Matrix:	Soil	Date Extracted:	03-17-11
Preservative:	Cool	Date Analyzed:	03-18-11
Condition:	Intact	Analysis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

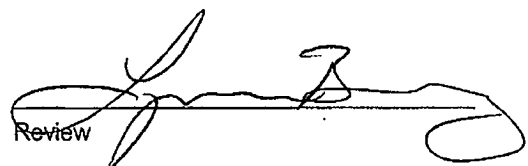
ND - Parameter not detected at the stated detection limit.

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

Comments: Jicarilla L #4



Analyst



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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 %

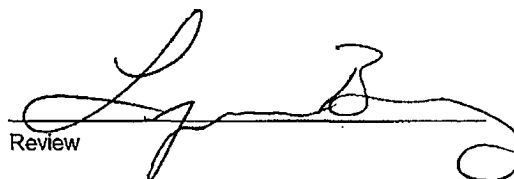
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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 %

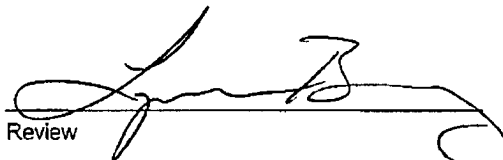
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Jicarilla L #4



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**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

Review



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

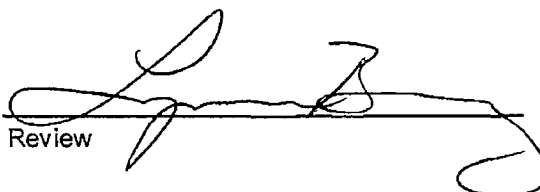
ND = Parameter not detected at the stated detection limit.

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

Comments: Jicarilla L #4



Analyst



Review


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

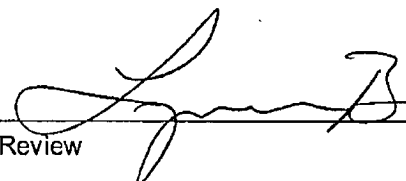
Parameter	Concentration (mg/Kg)
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Total Chloride**20**

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**



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Review



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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)
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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

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