

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

30-039-21273

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 96 #8A (Separator BGT)	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 96
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	12	26N	3W					Rio Arriba

Latitude 36.49454

Longitude -107.09989

NATURE OF RELEASE

Type of Release: Produced Fluids	Volume of Release: Unknown	Volume Recovered: 0 bbls
Source of Release: Production Pit Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 7/5/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD – Brandon Powell, Jicarilla EPO – Hobson Sandoval	
By Whom? Ed Hasely	Date and Hour: 7/5/12, 8:30 am	
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

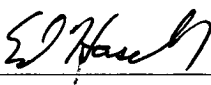
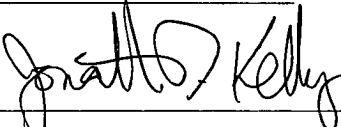
RCVD AUG 30 '12
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*

Soils underneath the tank during the below-grade tank closure were visually impacted. According to the Pit Rule, this is an indication of a release

Describe Area Affected and Cleanup Action Taken.* Approximately 300 cubic yards of soil were excavated. Samples were collected after excavation and results were acceptable (see attached). The impacted soils were taken to an approved disposal facility

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: 9/06/2012 Expiration Date:	
E-mail Address: ed.hasely@energen.com		Conditions of Approval:	
Date: 8/28/12 Phone: 505-324-4131 / 505-330-3584(cell)		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

N521225056404

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jic 96 #8A Sep BGT Bottom	Date Reported:	07-26-12
Lab ID#:	62684	Date Sampled:	07-24-12
Sample Matrix:	Soil	Date Received:	07-24-12
Preservative:	Cool	Date Analyzed:	07-26-12
Condition:	Intact	Chain of Custody:	14150

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

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 BGT**



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jic 96 #8A Sep BGT Bottom	Date Reported:	07-26-12
Laboratory Number:	62684	Date Sampled:	07-24-12
Chain of Custody:	14150	Date Received:	07-24-12
Sample Matrix:	Soil	Date Analyzed:	07-26-12
Preservative:	Cool	Date Extracted:	07-25-12
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	14.1	10.0
o-Xylene	ND	10.0
Total BTEX	14.1	

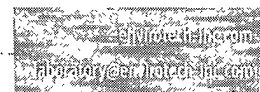
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94.0 %
	1,4-difluorobenzene	92.9 %
	Bromochlorobenzene	93.8 %

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 BGT





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

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jic 96 #8A Sep BGT Bottom	Date Reported:	07-26-12
Laboratory Number:	62684	Date Sampled:	07-24-12
Chain of Custody No:	14150	Date Received:	07-24-12
Sample Matrix:	Soil	Date Extracted:	07-25-12
Preservative:	Cool	Date Analyzed:	07-25-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.9	0.2
Diesel Range (C10 - C28)	171	0.1
Total Petroleum Hydrocarbons	175	

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 BGT**



Chloride

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jic 96 #8A Sep BGT Sides	Date Reported:	07-26-12
Lab ID#:	62685	Date Sampled:	07-24-12
Sample Matrix:	Soil	Date Received:	07-24-12
Preservative:	Cool	Date Analyzed:	07-26-12
Condition:	Intact	Chain of Custody:	14150

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 BGT



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jic 96 #8A Sep BGT Sides	Date Reported:	07-26-12
Laboratory Number:	62685	Date Sampled:	07-24-12
Chain of Custody:	14150	Date Received:	07-24-12
Sample Matrix:	Soil	Date Analyzed:	07-26-12
Preservative:	Cool	Date Extracted:	07-25-12
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	96.5 %
	1,4-difluorobenzene	95.0 %
	Bromochlorobenzene	98.1 %

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 BGT



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jic 96 #8A Sep BGT Sides	Date Reported:	07-26-12
Laboratory Number:	62685	Date Sampled:	07-24-12
Chain of Custody No:	14150	Date Received:	07-24-12
Sample Matrix:	Soil	Date Extracted:	07-25-12
Preservative:	Cool	Date Analyzed:	07-25-12
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: Jicarilla BGT

Ed Hasely

From: Powell, Brandon, EMNRD [Brandon.Powell@state.nm.us]
Sent: Friday, August 03, 2012 2:54 PM
To: Ed Hasely; Kelly, Jonathan, EMNRD
Cc: 'Hobson Sandoval'
Subject: RE: APPROVAL REQUEST - Jicarilla 96 #8A

You have approval from us because you are at sandstone

Thank You
Brandon Powell
I & E Supervisor
New Mexico Oil Conservation
Office: (505) 334-6178 ext. 116

"He who wishes to gain knowledge is wiser than he who thinks he has knowledge (unknown)"

From: Ed Hasely [mailto:Ed.Hasely@energen.com]
Sent: Friday, August 03, 2012 8:27 AM
To: Powell, Brandon, EMNRD; Kelly, Jonathan, EMNRD
Cc: 'Hobson Sandoval'
Subject: APPROVAL REQUEST - Jicarilla 96 #8A

Still waiting to hear on this request. Please let me know soon so we can get the excavation backfilled. Thanks.

Ed Hasely Energen Resources Corporation

From: Ed Hasely
Sent: Friday, July 27, 2012 4:09 PM
To: 'Powell, Brandon, EMNRD'; 'Kelly, Jonathan, EMNRD'
Cc: 'Hobson Sandoval'; Jason Peace; Michael Dean
Subject: Approval Request - Jicarilla 96 #8A

Brandon / Hobson – This is a request for approval to backfill and close the excavation associated w/ the Separator BGT closure on the Jicarilla 96 #8A. Impacted soils were excavated down to hard sandstone approximately 15 feet deep. Samples were collected from the bottom and the side walls. The following are the results:

	Bottom	Sides
TPH (8015)	175	ND
BTEX	.014	ND
Chlorides	ND	20

All numbers are in ppm. Since we hit bedrock, the sides are clean, and the TPH of the bottom was only 175 ppm, we request approval to close this excavation. Please let me know your concurrence. Thanks.

Ed Hasely Energen Resources Corporation

From: Ed Hasely
Sent: Thursday, July 05, 2012 8:29 AM