

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

30-039-25308

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 98 #11A	Facility Type: Oil/Gas Well Site

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

Unit Letter F	Section 18	Township 26N	Range 3W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude 36.48495 Longitude -107.18711

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: 10/31/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly - OCD Hobson Sandoval - EPO Jicarilla	
By Whom? Ed Hasely	Date and Hour: 10/31/12, 3:17 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 APR 11 '13
OIL CONS. DIV.
DIST. 3


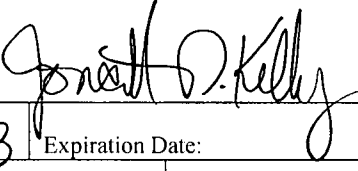
Describe Cause of Problem and Remedial Action Taken.*

Sampling underneath the tank during the below-grade tank closure showed TPH (Method 418.1) results of 793 ppm and chlorides showed 254 ppm. According to the Pit Rule, any result over 100 ppm TPH or 250 ppm chlorides is an indication of a release.

Describe Area Affected and Cleanup Action Taken.*

The sample tested 22.4 mg/kg for TPH utilizing EPA Method 8015, therefore no remediation is necessary. The area was backfilled with clean soils. Lab analyses are 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: Ed Hasely	Approved by District Supervisor: 	
Title: Sr. Environmental Engineer	Approval Date: 5/21/2013	Expiration Date:
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 4/8/13 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

MSK434148299



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jic 98 #11A	Date Reported:	10-31-12
Laboratory Number:	63581	Date Sampled:	10-30-12
Chain of Custody No:	14624	Date Received:	10-30-12
Sample Matrix:	Soil	Date Extracted:	10-31-12
Preservative:	Cool	Date Analyzed:	10-31-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	793	13.2
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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 BGT



Chloride

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jic 98 #11A	Date Reported:	10-31-12
Lab ID#:	63581	Date Sampled:	10-30-12
Sample Matrix:	Soil	Date Received:	10-30-12
Preservative:	Cool	Date Analyzed:	10-31-12
Condition:	Intact	Chain of Custody:	14624

Parameter	Concentration (mg/Kg)
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Total Chloride

254

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 98 #11A	Date Reported:	10-31-12
Laboratory Number:	63581	Date Sampled:	10-30-12
Chain of Custody:	14624	Date Received:	10-30-12
Sample Matrix:	Soil	Date Analyzed:	10-31-12
Preservative:	Cool	Date Extracted:	10-31-12
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	88.5 %
	1,4-difluorobenzene	89.8 %
	Bromochlorobenzene	87.3 %

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 98 #11A	Date Reported:	10-31-12
Laboratory Number:	63581	Date Sampled:	10-30-12
Chain of Custody No:	14624	Date Received:	10-30-12
Sample Matrix:	Soil	Date Extracted:	10-31-12
Preservative:	Cool	Date Analyzed:	10-31-12
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)	22.4	0.1
Total Petroleum Hydrocarbons	22.4	

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: Ed Hasely
Sent: Wednesday, October 31, 2012 3:17 PM
To: 'Kelly, Jonathan, EMNRD'; 'Hobson Sandoval'
Cc: Jason Peace
Subject: Possible Past Release - Jicarilla 98 #11A

Sampling beneath the BGT on the Jicarilla 98 #11A revealed a TPH result (Method 418.1) of 0f 793 ppm and chlorides of 254 ppm. Per the Pit Rule, TPH over 100 ppm or chlorides over 250 ppm are indications of a possible past release. We will proceed per 19.15.29 and 19.15.30.

Ed Hasely Energen Resources Corporation

From: Ed Hasely
Sent: Wednesday, October 24, 2012 7:06 AM
To: 'Kelly, Jonathan, EMNRD'; 'Hobson Sandoval'
Cc: Jason Peace
Subject: BGT Closure Notifications

Jonathan – Energen plans to begin the closure process on the below listed BGT's in the near future. Let me know if you have questions. Thanks.

Jicarilla 95 #1 - Unit Letter A, Section 35, Township 27N, Range 3W
Jicarilla 95 #11 - Unit Letter P, Section 26, Township 27N, Range 3W
Jicarilla 96 #6A - Unit Letter E, Section 2, Township 26N, Range 3W
Jicarilla 98 #11A - Unit Letter F, Section 18, Township 26N, Range 3W

Ed Hasely Energen Resources Corporation

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

Ed Hasely

From: Powell, Brandon, EMNRD [Brandon.Powell@state.nm.us]
Sent: Thursday, November 01, 2012 1:44 PM
To: Ed Hasely
Cc: Kelly, Jonathan, EMNRD
Subject: RE: Request for Closure - Jicarilla 98 #11A b

You are approved for closure.

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: Thursday, November 01, 2012 1:43 PM
To: Powell, Brandon, EMNRD
Subject: RE: Request for Closure - Jicarilla 98 #11A

BTEX was non-detect.

Ed Hasely
Energen Resources Corporation

From: Powell, Brandon, EMNRD [mailto:Brandon.Powell@state.nm.us]
Sent: Thursday, November 01, 2012 1:33 PM
To: Ed Hasely
Subject: RE: Request for Closure - Jicarilla 98 #11A

Do you have any B-tex results?

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: Thursday, November 01, 2012 1:07 PM
To: Powell, Brandon, EMNRD; Kelly, Jonathan, EMNRD
Subject: RE: Request for Closure - Jicarilla 98 #11A

The well is near a wash so I am guessing groundwater would be less than 50 feet.

Ed Hasely
Energen Resources Corporation

From: Powell, Brandon, EMNRD [<mailto:Brandon.Powell@state.nm.us>]
Sent: Thursday, November 01, 2012 11:22 AM
To: Ed Hasely; Kelly, Jonathan, EMNRD
Subject: RE: Request for Closure - Jicarilla 98 #11A

What is the depth to water?

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: Thursday, November 01, 2012 10:35 AM
To: Powell, Brandon, EMNRD; Kelly, Jonathan, EMNRD
Subject: FW: Request for Closure - Jicarilla 98 #11A

Does the OCD concur? Let me know. Thanks.

Ed Hasely
Energen Resources Corporation

From: Hobson Sandoval [mailto:hsandoval_99@yahoo.com]
Sent: Thursday, November 01, 2012 10:15 AM
To: Ed Hasely; Cordell Tecube; dixonsandoval@jicarillaoga.com
Subject: Re: Request for Closure - Jicarilla 98 #11A

Thank you for providing lab results for this site. TPH is low and Chlorides being 4 ppm over recommended level of 250 ppm is negligible. So, it is okay to back fill this site.

Ed Hasely <Ed.Hasely@energen.com> wrote:

This is a request to proceed w/ closure of the BGT on this location. TPH using the 418.1 method did show 793 ppm from a composite sample of the bottom, but TPH using the 8015 method only showed 22.4 ppm, which is well below any 100 ppm limit. The chlorides came back at 254 ppm, which is just barely over the 250 ppm level identified in the Pit Rule. We meet the requirements for closure spelled out in the spill cleanup guidelines. Please let me know if you concur w/ the recommendation to proceed w/ backfilling and closure. Thanks.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Wednesday, October 31, 2012 3:17 PM

To: 'Kelly, Jonathan, EMNRD'; 'Hobson Sandoval'
Cc: Jason Peace
Subject: Possible Past Release - Jicarilla 98 #11A

Sampling beneath the BGT on the Jicarilla 98 #11A revealed a TPH result (Method 418.1) of 0f 793 ppm and chlorides of 254 ppm. Per the Pit Rule, TPH over 100 ppm or chlorides over 250 ppm are indications of a possible past release. We will proceed per 19.15.29 and 19.15.30.

Ed Hasely

Energen Resources Corporation

From: Ed Hasely
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Jicarilla 96 #6A - Unit Letter E, Section 2, Township 26N, Range 3W
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Ed Hasely

Energen Resources Corporation

Sr. Environmental Engineer

ed.hasely@energen.com

Office: (505) 324-4131