

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 99 #2 (API 3003906492)	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 99
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### LOCATION OF RELEASE

Unit Letter A	Section 14	Township 26N	Range 3W	Feet from the 1650	North/South Line South	Feet from the 990	East/West Line East	County Rio Arriba
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Latitude 36.48892

Longitude -107.10750

### 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: 6/13/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly - OCD Hobson Sandoval - Jicarilla	
By Whom? Ed Hasely	Date and Hour: 6/13/12; 2:36 pm	
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 JUL 31 '12  
OIL CONS. DIV.  
DIST. 3

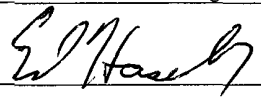
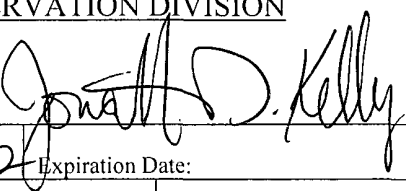
#### Describe Cause of Problem and Remedial Action Taken.\*

Sampling underneath the tank during the below-grade tank closure showed chloride results of 260 ppm. According to the Pit Rule, any result over 250 ppm is an indication of a release.

#### Describe Area Affected and Cleanup Action Taken.\*

Groundwater is estimated at over 100 feet. No remediation was necessary. The area was backfilled w/ 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: 7/31/2012	Expiration Date:
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/26/12 Phone: 505-324-4131 / 505-330-3584(cell)		

\* Attach Additional Sheets If Necessary

NJK1221357005

## Ed Hasely

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**From:** Ed Hasely  
**Sent:** Wednesday, June 13, 2012 2:26 PM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** 'hsandoval\_99@yahoo.com'; Billy Stalcup  
**Subject:** Release Notification - Jicarilla 99#2 BGT

Sampling beneath the BGTs on the Jicarilla 99 #2 revealed a chloride result of 260 ppm. Per the Pit Rule, chlorides over 250 ppm is an indication 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:** Tuesday, May 29, 2012 4:07 PM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** 'hsandoval\_99@yahoo.com'; Billy Stalcup  
**Subject:** Below Grade Tank Notifications - Jicarilla

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

<b>Jicarilla 99 #2</b> - Unit Letter A, Section 14, Township 26N, Range 3W
<b>Jicarilla 99 #7</b> - Unit Letter M, Section 13, Township 26N, Range 3W
<b>Jicarilla 99 #8</b> - Unit Letter A, Section 23, Township 26N, Range 3W
<b>Jicarilla 96 #8</b> - Unit Letter M, Section 12, Township 26N, Range 3W

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

## Ed Hasely

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**From:** Powell, Brandon, EMNRD [Brandon.Powell@state.nm.us]  
**Sent:** Thursday, June 14, 2012 7:25 AM  
**To:** Ed Hasely; Kelly, Jonathan, EMNRD  
**Cc:** 'hsandoval\_99@yahoo.com'; Billy Stalcup  
**Subject:** RE: Closure Request - Jicarilla 99#2 BGT

Your 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)"*

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**From:** Ed Hasely [mailto:Ed.Hasely@energen.com]  
**Sent:** Wednesday, June 13, 2012 3:53 PM  
**To:** Kelly, Jonathan, EMNRD; Powell, Brandon, EMNRD  
**Cc:** 'hsandoval\_99@yahoo.com'; Billy Stalcup  
**Subject:** Closure Request - Jicarilla 99#2 BGT

This is a request to close the subject BGT. The chlorides were only 260 ppm and groundwater is estimated at over 100 feet. Both TPH and BTEX were well below the limits. Please let us know if we can proceed w/ the closure. Please copy Billy Stalcup w/ the reply as I will be out of the office for a while.

**Ed Hasely**  
**Energen Resources Corporation**

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**From:** Ed Hasely  
**Sent:** Wednesday, June 13, 2012 2:26 PM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** 'hsandoval\_99@yahoo.com'; Billy Stalcup  
**Subject:** Release Notification - Jicarilla 99#2 BGT

Sampling beneath the BGTs on the Jicarilla 99 #2 revealed a chloride result of 0f 260 ppm. Per the Pit Rule, chlorides over 250 ppm is an indication of a possible past release. We will proceed per 19.15.29 and 19.15.30.

**Ed Hasely**  
**Energen Resources Corporation**

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<b>Jicarilla 99 #8</b> - Unit Letter A, Section 23, Township 26N, Range 3W
<b>Jicarilla 96 #8</b> - Unit Letter M, Section 12, Township 26N, Range 3W

**Ed Hasely**

**Energen Resources Corporation**

Sr. Environmental Engineer

[ed.hasely@energen.com](mailto:ed.hasely@energen.com)

Office: (505) 324-4131

Cell: (505) 330-3584



EPA METHOD 418.1

**TOTAL PETROLEUM HYDROCARBONS**

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jicarilla 99 #2	Date Reported:	06-13-12
Laboratory Number:	62304	Date Sampled:	06-06-12
Chain of Custody No:	14870	Date Received:	06-06-12
Sample Matrix:	Soil	Date Extracted:	06-07-12
Preservative:	Cool	Date Analyzed:	06-07-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	22.2	14.8

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 BGTs



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jicarilla 99 #2	Date Reported:	06-13-12
Laboratory Number:	62304	Date Sampled:	06-06-12
Chain of Custody:	14870	Date Received:	06-06-12
Sample Matrix:	Soil	Date Analyzed:	06-13-12
Preservative:	Cool	Date Extracted:	06-07-12
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	79.3 %
	1,4-difluorobenzene	91.3 %
	Bromochlorobenzene	95.0 %

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's



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

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jicarilla 99 #2	Date Reported:	06-08-12
Laboratory Number:	62304	Date Sampled:	06-06-12
Chain of Custody No:	14870	Date Received:	06-06-12
Sample Matrix:	Soil	Date Extracted:	06-07-12
Preservative:	Cool	Date Analyzed:	06-08-12
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 BGTs



## Chloride

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jicarilla 99 #2	Date Reported:	06-12-12
Lab ID#:	62304	Date Sampled:	06-06-12
Sample Matrix:	Soil	Date Received:	06-06-12
Preservative:	Cool	Date Analyzed:	06-12-12
Condition:	Intact	Chain of Custody:	14870

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

**260**

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 BGTs**