

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**

30-039-23783

**OPERATOR**

☐ Initial Report ☒ Final Report

<b>Name of Company:</b> Energen Resources, Inc.	<b>Contact:</b> Ed Hasely
<b>Address:</b> 2010 Afton Place, Farmington, NM 87401	<b>Telephone No:</b> 505-324-4131
<b>Facility Name:</b> Jicarilla 35 #9 (API 3003923783)	<b>Facility Type:</b> Oil/Gas Well Site

<b>Surface Owner:</b> Jicarilla	<b>Mineral Owner:</b> Jicarilla	<b>Lease No.</b> Jicarilla 117E
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**LOCATION OF RELEASE**

<b>Unit Letter</b> D	<b>Section</b> 12	<b>Township</b> 24N	<b>Range</b> 5W	<b>Feet from the</b> 1020	<b>North/South Line</b> North	<b>Feet from the</b> 860	<b>East/West Line</b> West	<b>County</b> Rio Arriba
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**Latitude** 36.32728 **Longitude** -107.31875

**NATURE OF RELEASE**

<b>Type of Release:</b> Produced Fluids	<b>Volume of Release:</b> Unknown	<b>Volume Recovered:</b> 0 bbls
<b>Source of Release:</b> Production Pit Tank	<b>Date and Hour of Occurrence:</b> Unknown	<b>Date and Hour of Discovery:</b> 10/12/10
<b>Was Immediate Notice Given?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	<b>If YES, To Whom?</b> Brandon Powell - OCD Dixon Sandoval - Jicarilla	
<b>By Whom?</b> Ed Hasely	<b>Date and Hour:</b> 10/12-13/10	
<b>Was a Watercourse Reached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse.</b> NA	

**If a Watercourse was Impacted, Describe Fully.\*** NA


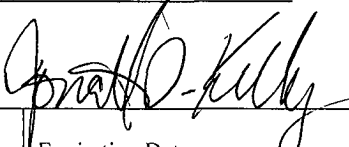
**Describe Cause of Problem and Remedial Action Taken.\***

Sampling underneath the tank during the below-grade tank closure showed TPH (Method 418.1) results of 197 ppm. According to the Pit Rule, any result over 100 ppm is an indication of a release.

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

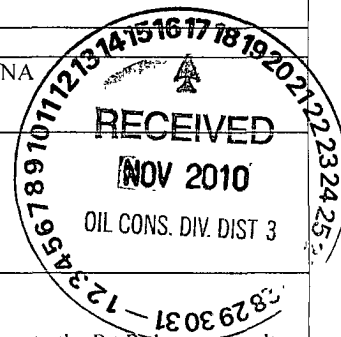
The sample tested 0.8 ppm for TPH utilizing EPA Method 8015 therefore no remediation is necessary. The area was backfilled w/ clean soils. Lab analyses are attached. The area is needed for operations. Upon abandonment, seeding will be deferred to the BLM / Tribal requirements per the BLM / OCD MOU.

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.

<b>Signature</b> 		<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name</b> Ed Hasely		<b>Approved by District Supervisor</b> 	
<b>Title</b> Sr. Environmental Engineer		<b>Approval Date</b> 3/06/2012	<b>Expiration Date</b>
<b>E-mail Address</b> ed.hasely@energen.com		<b>Conditions of Approval</b>	
<b>Date</b> 11/12/10 <b>Phone</b> 505-324-4131 / 505-330-3584(cell)		<b>Attached</b> <input type="checkbox"/>	

\* Attach Additional Sheets If Necessary

nJK1206636603





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

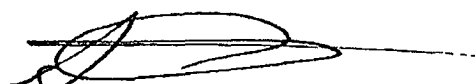
Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla 35 #9	Date Reported:	10-07-10
Laboratory Number:	56072	Date Sampled:	10-05-10
Chain of Custody No:	10455	Date Received:	10-05-10
Sample Matrix:	Soil	Date Extracted:	10-06-10
Preservative:	Cool	Date Analyzed:	10-07-10
Condition:	Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.8	0.1
Total Petroleum Hydrocarbons	0.8	

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: **BGT Closures**

  
Analyst

  
Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla 35 #9	Date Reported:	10-08-10
Laboratory Number:	56072	Date Sampled:	10-05-10
Chain of Custody:	10455	Date Received:	10-05-10
Sample Matrix:	Soil	Date Analyzed:	10-07-10
Preservative:	Cool	Date Extracted:	10-06-10
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	

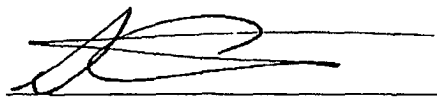
ND - Parameter not detected at the stated detection limit.

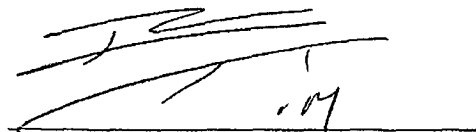
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.8 %
	1,4-difluorobenzene	103 %
	Bromochlorobenzene	97.6 %

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: BGT Closures

  
Analyst

  
Review

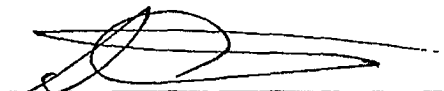

Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla 35 #9	Date Reported:	10-06-10
Laboratory Number:	56072	Date Sampled:	10-05-10
Chain of Custody No:	10455	Date Received:	10-05-10
Sample Matrix:	Soil	Date Extracted:	10-06-10
Preservative:	Cool	Date Analyzed:	10-06-10
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	197	18.4

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: **BGT Closures**

  
\_\_\_\_\_  
Analyst  
\_\_\_\_\_  
Review



**envirotech**  
Analytical Laboratory

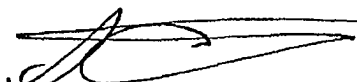
**Chloride**


Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla 35 #9	Date Reported:	10-07-10
Lab ID#:	56072	Date Sampled:	10-05-10
Sample Matrix:	Soil	Date Received:	10-05-10
Preservative:	Cool	Date Analyzed:	10-07-10
Condition:	Intact	Chain of Custody:	10455

Parameter	Concentration (mg/Kg)
Total Chloride	35

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: **BGT Closures**

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

## Ed Hasely

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**From:** Ed Hasely  
**Sent:** Tuesday, October 12, 2010 4 23 PM  
**To:** 'Powell, Brandon, EMNRD'  
**Subject:** FW: BGT Closure Notifications - Possible Release

The lab results for the Jicarilla 35 #9 came back 197 ppm TPH using the specified EPA Method 418.1. Per the Pit Rule any result over 100 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:** Thursday, September 23, 2010 4:02 PM  
**To:** 'Powell, Brandon, EMNRD'  
**Subject:** BGT Closure Notifications

Brandon – This is to notify you that Energen plans to close the BGT's on the following locations in the near future.

Jicarilla 35 #1 - Unit Letter L, Section 35, Township 25N, Range 5W	
Jicarilla 35 #7 - Unit Letter F, Section 1, Township 24N, Range 5W	
Jicarilla 35 #9 - Unit Letter D, Section 12, Township 24N, Range 5W	
Jicarilla 35 #14 - Unit Letter K, Section 35, Township 25N, Range 5W	
Chacon Jicarilla D #3J - Unit Letter D, Section 23, Township 23N, Range 3W	
Chacon Jicarilla D #20 - Unit Letter K, Section 27, Township 23N, Range 3W	

Let me know if you have questions. Thanks.

**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:** Ed Hasely  
**Sent:** Wednesday, October 13, 2010 3:00 PM  
**To:** 'Dixon Sandoval'  
**Cc:** Billy Stalcup  
**Subject:** FW BGT Closure Notifications - Possible Release - Dixon

Dixon – FYI – See note below. The TPH using EPA Method 8015 came back at 0.8 ppm, so we should be able to close without excavating any soil.

## Ed Hasely Energen Resources Corporation

**From:** Ed Hasely  
**Sent:** Tuesday, October 12, 2010 4:23 PM  
**To:** 'Powell, Brandon, EMNRD'  
**Subject:** FW: BGT Closure Notifications - Possible Release

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<b>Chacon Jicarilla D #3J</b> - Unit Letter D, Section 23, Township 23N, Range 3W
<b>Chacon Jicarilla D #20</b> - Unit Letter K, Section 27, Township 23N, Range 3W

Let me know if you have questions. Thanks.

**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