

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

30-039-24137

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 #16 (API 3003924137)	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 99
--------------------------	--------------------------	------------------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	23	26N	3W	900	South	900	West	Rio Arriba

Latitude 36.45530

Longitude -107.11905

NATURE OF RELEASE

Type of Release: Produced Fluids	Volume of Release: Unknown	Volume Recovered: 0 bbls
Source of Release: Oil Tank Pit Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 11/16/10
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - OCD	
By Whom? Ed Hasely	Date and Hour: 11/16/10	
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.\*

Sampling underneath the tank during the below-grade tank closure showed TPH (Method 418 1) results of 187 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 ND for TPH utilizing EPA Method 8015, therefore no remediation is necessary. The area was backfilled with 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.

Signature <i>Ed Hasely</i>	OIL CONSERVATION DIVISION		
Printed Name Ed Hasely	Approved by District Supervisor <i>Brandon Powell</i>		
Title Sr Environmental Engineer	Approval Date 12-20-10	Expiration Date	
E-mail Address ed.hasely@energen.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date 12/9/10 Phone 505-324-4131 / 505-330-3584(cell)			

\* Attach Additional Sheets If Necessary

uBP1035428343



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

Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla 99 #16 Tank	Date Reported:	11-10-10
Laboratory Number:	56440	Date Sampled:	11-09-10
Chain of Custody No:	10696	Date Received:	11-09-10
Sample Matrix:	Soil	Date Extracted:	11-09-10
Preservative:	Cool	Date Analyzed:	11-10-10
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)	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's

Analyst

Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla 99 #16 Tank	Date Reported:	11-10-10
Laboratory Number:	56440	Date Sampled:	11-09-10
Chain of Custody:	10696	Date Received:	11-09-10
Sample Matrix:	Soil	Date Analyzed:	11-10-10
Preservative:	Cool	Date Extracted:	11-09-10
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	4.8	1.2
o-Xylene	1.5	0.9
Total BTEX	6.3	


ND - Parameter not detected at the stated detection limit.

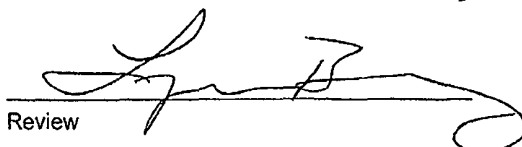
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	108 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	88.3 %

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's

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS


Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla 99 #16 Tank	Date Reported:	11-10-10
Laboratory Number:	56440	Date Sampled:	11-09-10
Chain of Custody No:	10696	Date Received:	11-09-10
Sample Matrix:	Soil	Date Extracted:	11-10-10
Preservative:	Cool	Date Analyzed:	11-10-10
Condition:	Intact	Analysis Needed:	TPH-418.1

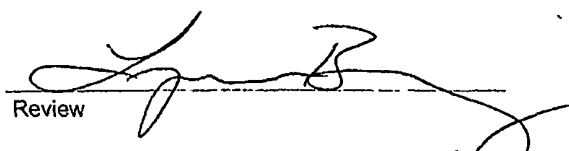
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	187	12.3

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's

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review



## Chloride

Client:	Energen	Project #:	03022-0168
Sample ID:	Jicarilla 99 #16 Tank	Date Reported:	11-10-10
Lab ID#:	56440	Date Sampled:	11-09-10
Sample Matrix:	Soil	Date Received:	11-09-10
Preservative:	Cool	Date Analyzed:	11-10-10
Condition:	Intact	Chain of Custody:	10696

Parameter	Concentration (mg/Kg)
Total Chloride	10

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's

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

## Ed Hasely

---

**From:** Ed Hasely  
**Sent:** Tuesday, November 16, 2010 2:04 PM  
**To:** 'Powell, Brandon, EMNRD'  
**Subject:** FW: BGT Closure Notification - Possible Past Release

This is to notify you that the sample results from the below grade tank closure process on the Jicarilla 99 #16 tank BGT had results for TPH (418.1) of 187 ppm. Per the pit rule, these results are an indication of a past release. Energen will proceed as per 19.15.29 and 19.15.30.

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

---

**From:** Ed Hasely  
**Sent:** Wednesday, November 03, 2010 10:38 AM  
**To:** 'Powell, Brandon, EMNRD'  
**Subject:** BGT Closure Notification

Brandon – this is to notify you that Energen plans to close the BGT's on the following locations in the near future. Let me know if you have questions. Thanks.

---

**Jicarilla 99 #16 - Unit Letter M, Section 23, Township 26N, Range 3W**  
**Jicarilla H #1 - Unit Letter A, Section 5, Township 24N, Range 4W**

---

**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