

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

30-039-22181

#### 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 35 #12 (API 3003922181)	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 35
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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
I	35	25N	5W	1690	South	940	East	Rio Arriba

Latitude 36.35390 Longitude -107.32329

#### NATURE OF RELEASE


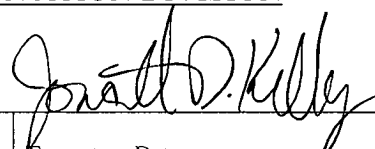
Type of Release: Produced Fluids	Volume of Release: Unknown	Volume Recovered: 0 bbls
Source of Release: Production Pit Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 9/22/10
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - OCD Dixon Sandoval - Jicarilla	
By Whom? Ed Hasely	Date and Hour: 9/22/10 , 1 29 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.* NA
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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 454 ppm According to the Pit Rule, any result over 100 ppm is an indication of a release
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Describe Area Affected and Cleanup Action Taken.*  The bottom of the excavation is solid rock. The bottom sample tested ND for TPH utilizing EPA Method 8015 A second sample was collected from the rock from the sides and it also came back ND for TPH utilizing EPA Method 8015 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
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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
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Signature 	OIL CONSERVATION DIVISION	
Printed Name Ed Hasely	Approved by District Supervisor. 	
Title Sr Environmental Engineer	Approval Date 3/06/2012	Expiration Date
E-mail Address: ed.hasely@energen.com	Conditions of Approval.	Attached <input type="checkbox"/>
Date 11/12/10	Phone 505-324-4131 / 505-330-3584(cell)	

nJK 12066 36463



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


Client:	Energen Resources	Project #:	03022-0168
Sample ID:	Jic 35 #12	Date Reported:	09-17-10
Laboratory Number:	55876	Date Sampled:	09-16-10
Chain of Custody No:	10365	Date Received:	09-16-10
Sample Matrix:	Soil	Date Extracted:	09-17-10
Preservative:	Cool	Date Analyzed:	09-17-10
Condition:	Intact	Analysis Requested:	8015 TPH

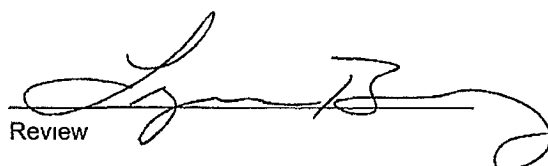
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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: **BGT**

  
Analyst

  
Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0168
Sample ID:	Jic 35 #12	Date Reported:	09-17-10
Laboratory Number:	55876	Date Sampled:	09-16-10
Chain of Custody:	10365	Date Received:	09-16-10
Sample Matrix:	Soil	Date Analyzed:	09-17-10
Preservative:	Cool	Date Extracted:	09-17-10
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	

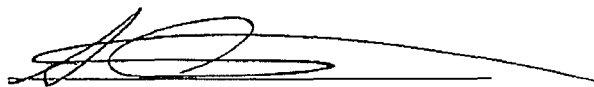
ND - Parameter not detected at the stated detection limit.

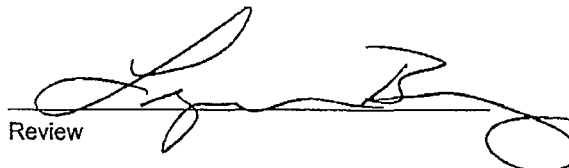
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	98.8 %

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: BGT

  
Analyst

  
Review



## Chloride

Client:	Energen Resources	Project #:	03022-0168
Sample ID:	Jic 35 #12	Date Reported:	09-17-10
Lab ID#:	55876	Date Sampled:	09-16-10
Sample Matrix:	Soil	Date Received:	09-16-10
Preservative:	Cool	Date Analyzed:	09-17-10
Condition:	Intact	Chain of Custody:	10365

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

**25**

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**

Analyst

Review



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


Client:	Energen	Project #:	03022-0168
Sample ID:	Comp Sides	Date Reported:	10-01-10
Laboratory Number:	55999	Date Sampled:	09-28-10
Chain of Custody No:	10418	Date Received:	09-28-10
Sample Matrix:	Soil	Date Extracted:	09-29-10
Preservative:	Cool	Date Analyzed:	09-30-10
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	

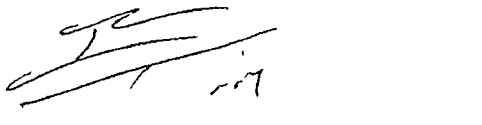
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Jicarilla 35 #12**



Analyst



Review



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	Comp Sides	Date Reported:	10-01-10
Laboratory Number:	55999	Date Sampled:	09-28-10
Chain of Custody:	10418	Date Received:	09-28-10
Sample Matrix:	Soil	Date Analyzed:	09-30-10
Preservative:	Cool	Date Extracted:	09-29-10
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	1.3	1.2
o-Xylene	ND	0.9
Total BTEX	1.3	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	104 %
	Bromochlorobenzene	103 %

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 35 #12

  
Analyst

  
Review



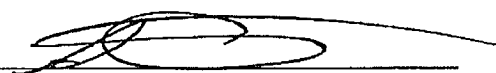
## Chloride

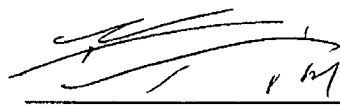
Client:	Energen	Project #:	03022-0168
Sample ID:	Comp Sides	Date Reported:	09-30-10
Lab ID#:	55999	Date Sampled:	09-28-10
Sample Matrix:	Soil	Date Received:	09-28-10
Preservative:	Cool	Date Analyzed:	09-30-10
Condition:	Intact	Chain of Custody:	10418

Parameter	Concentration (mg/Kg)
Total Chloride	30

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 35 #12**

  
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Analyst

  
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Review

## Ed Hasely

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**From:** Ed Hasely  
**Sent:** Wednesday, September 22, 2010 1 29 PM  
**To:** 'Powell, Brandon, EMNRD'  
**Cc:** 'Dixon Sandoval'  
**Subject:** FW Jicarilla BGT Closure Notifications - Possible Release Notifications

During the closure process, the samples collected below the BGT's on the Jicarilla 117E #5A and the Jicarilla 35#12 tested above 100 ppm using the EPA Method 418.1. According to the Pit Rule, this is an indication of a possible past release. The samples were scraped off the rock bottom below both of these BGT's. Energen will proceed following the spill closure guidelines. Let me know if you have questions.

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

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**From:** Ed Hasely  
**Sent:** Tuesday, August 31, 2010 7:27 AM  
**To:** 'Powell, Brandon, EMNRD'  
**Cc:** 'Dixon Sandoval'; Billy Stalcup  
**Subject:** Jicarilla BGT Closure Notifications

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

**Jicarilla 117E #5A** - Unit Letter E, Section 28, Township 26N, Range 3W  
**Jicarilla 35 #2** - Unit Letter M, Section 36, Township 25N, Range 5W  
**Jicarilla 35 #8** - Unit Letter I, Section 36, Township 25N, Range 5W  
**Jicarilla 35 #12** - Unit Letter I, Section 35, Township 25N, Range 5W  
**Jicarilla 94 #6A** - Unit Letter P, Section 27, Township 27N, Range 3W

**Ed Hasely**  
**Energen Resources Corporation**  
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Cell (505) 330-3584