

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**

30-045-24720

**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> Federal 21 #1R	<b>Facility Type:</b> Oil/Gas Well Site

<b>Surface Owner:</b> Federal	<b>Mineral Owner:</b> Federal	<b>Lease No.</b>
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**LOCATION OF RELEASE**

<b>Unit Letter</b> O	<b>Section</b> 21	<b>Township</b> 25N	<b>Range</b> 9W	<b>Feet from the</b>	<b>North/South Line</b>	<b>Feet from the</b>	<b>East/West Line</b>	<b>County</b> San Juan
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**Latitude** 36.38248

**Longitude** -107.79140

**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> 8/24/12
<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> Jonathon Kelly - OCD	
<b>By Whom?</b> Ed Hasely	<b>Date and Hour:</b> 8/24/12	
<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

RCVD SEP 28 '12  
OIL CONS. DIV.  
DIST. 3

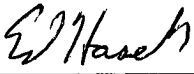
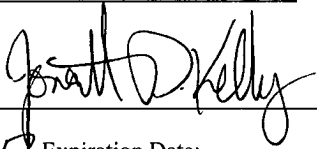
**Describe Cause of Problem and Remedial Action Taken.\***

Sampling underneath the tank during the below-grade tank closure showed TPH (Method 418.1) results of 113 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 non-detect for TPH utilizing EPA Method 8015, therefore no remediation is 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.

<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> 10/23/2012	<b>Expiration Date:</b>
<b>E-mail Address:</b> ed.hasely@energen.com	<b>Conditions of Approval:</b>	<b>Attached</b> <input type="checkbox"/>
<b>Date:</b> 9/26/12 <b>Phone:</b> 505-324-4131 / 505-330-3584(cell)		

\* Attach Additional Sheets If Necessary

15K1229733416



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

Client:	Energen	Project #:	03022-0001
Sample ID:	Pit Comp	Date Reported:	08-21-12
Laboratory Number:	63038	Date Sampled:	08-20-12
Chain of Custody No:	14302	Date Received:	08-20-12
Sample Matrix:	Soil	Date Extracted:	08-21-12
Preservative:	Cool	Date Analyzed:	08-21-12
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: **Federal 21 #1R**



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0001
Sample ID:	Pit Comp	Date Reported:	08-21-12
Laboratory Number:	63038	Date Sampled:	08-20-12
Chain of Custody:	14302	Date Received:	08-20-12
Sample Matrix:	Soil	Date Analyzed:	08-21-12
Preservative:	Cool	Date Extracted:	08-21-12
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	

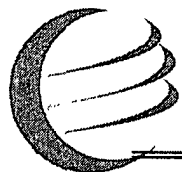
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	83.9 %
	1,4-difluorobenzene	96.1 %
	Bromochlorobenzene	99.3 %

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: Fedreal 21 #1R



# envirotech

Analytical Laboratory

EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS

Client:	Energen	Project #:	03022-0001
Sample ID:	Pit Comp	Date Reported:	08-21-12
Laboratory Number:	63038	Date Sampled:	08-20-12
Chain of Custody No:	14302	Date Received:	08-20-12
Sample Matrix:	Soil	Date Extracted:	08-21-12
Preservative:	Cool	Date Analyzed:	08-21-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	113	6.6

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: **Federal 21 #1R**



## Chloride

Client:	Energen	Project #:	03022-0001
Sample ID:	Pit Comp	Date Reported:	08-22-12
Lab ID#:	63038	Date Sampled:	08-20-12
Sample Matrix:	Soil	Date Received:	08-20-12
Preservative:	Cool	Date Analyzed:	08-21-12
Condition:	Intact	Chain of Custody:	14302

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

**1.18**

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: **Fedreal 21 #1R**

## Ed Hasely

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**From:** Ed Hasely  
**Sent:** Friday, August 24, 2012 2:27 PM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** Richard Fairbanks  
**Subject:** Possible Past Release BGT Notification - Julander Federal #1E and Federal 21 #1R

Sampling beneath the BGTs on the two subject well locations revealed 418.1 TPH results of over 100 ppm. Per the Pit Rule, this 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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**From:** Ed Hasely  
**Sent:** Wednesday, August 15, 2012 10:53 AM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** Richard Fairbanks  
**Subject:** BGT Closure Notification --Julander Federal #1E and Federal 21 #1R

Jonathan – This email is to notify the OCD that Energen plans on closing the BGTs on the following locations in the near future.

Julander Federal #1E – Unit Letter K – 31 – 29N – 11W (this was not done earlier in the year as originally planned)

Federal 21 #1R – Unit Letter O – 21 – 25N – 9W

Let me know if you have questions. Thanks.

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

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**From:** Ed Hasely  
**Sent:** Friday, March 23, 2012 9:01 AM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Subject:** BGT Closure Notification - Julander Federal #1E

Jonathan – This email is to notify the OCD that Energen plans on closing the BGT on the following location in the near future.

Julander Federal #1E – Unit Letter K – 31 – 29N – 11W

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)