

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

30-039-20331

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 N #1	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla N
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LOCATION OF RELEASE

Unit Letter K	Section 4	Township 24N	Range 5W	Feet from the 1850	North/South Line South	Feet from the 1850	East/West Line West	County Rio Arriba
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Latitude 36.33914

Longitude -107.36852

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: 1/11/10
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NA	
By Whom? NA	Date and Hour: NA	
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.*

Soils underneath the tank during the below-grade tank closure were visually impacted. According to the Pit Rule, this is an indication of a release.

Describe Area Affected and Cleanup Action Taken.* Approximately 800 cubic yards of soil were excavated. Samples were collected after excavation and results were acceptable (see attached). The impacted soils were taken to an approved disposal facility.

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>Bob Bell</i> For: CP	
Title: Sr. Environmental Engineer	Approval Date: 4/9/10	Expiration Date:
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 3/19/10 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

NRMD 1010240968

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0163
Sample No.:	1	Date Reported:	1/29/2010
Sample ID:	South Wall	Date Sampled:	1/26/2010
Sample Matrix:	Soil	Date Analyzed:	1/26/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	36	5.0

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 N #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Toni McKnight
Printed


Review

James McDaniel
Printed



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0163
Sample No.:	2	Date Reported:	1/29/2010
Sample ID:	West Wall	Date Sampled:	1/26/2010
Sample Matrix:	Soil	Date Analyzed:	1/26/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	32	5.0

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 N #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

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James McDaniel
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0163
Sample No.:	3	Date Reported:	1/29/2010
Sample ID:	North Wall	Date Sampled:	1/26/2010
Sample Matrix:	Soil	Date Analyzed:	1/26/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	60	5.0

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 N #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


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James McDaniel
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0163
Sample No.:	5	Date Reported:	1/29/2010
Sample ID:	East Wall	Date Sampled:	1/26/2010
Sample Matrix:	Soil	Date Analyzed:	1/26/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

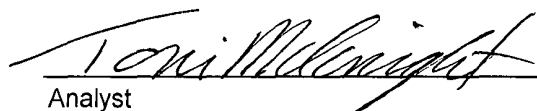
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	48	5.0

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 N #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0163
Sample No.:	4	Date Reported:	1/29/2010
Sample ID:	Bottom @ 25'	Date Sampled:	1/26/2010
Sample Matrix:	Soil	Date Analyzed:	1/26/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

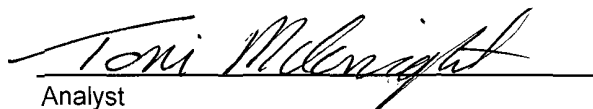
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	60	5.0

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 N #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0163
Sample No.:	6	Date Reported:	1/29/2010
Sample ID:	Bottom @ 8'	Date Sampled:	1/26/2010
Sample Matrix:	Soil	Date Analyzed:	1/26/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	28	5.0

ND = Parameter not detected at the stated detection limit.

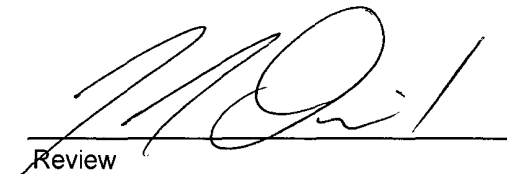
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jicarilla N #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

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James McDaniel
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Client:	Energen	Project #:	03022-0163
Sample ID:	BGT Bottom	Date Reported:	01-28-10
Laboratory Number:	53007	Date Sampled:	01-26-10
Chain of Custody:	8686	Date Received:	01-26-10
Sample Matrix:	Soil	Date Analyzed:	01-27-10
Preservative:	Cool	Date Extracted:	01-26-10
Condition:	Intact	Analysis Requested:	BTEX

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	

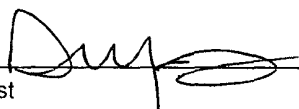
ND - Parameter not detected at the stated detection limit.

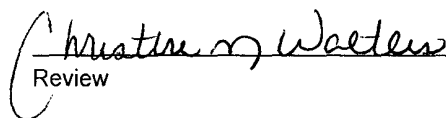
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	91.0 %
	1,4-difluorobenzene	87.3 %
	Bromochlorobenzene	96.0 %

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: BGT Closure / Jicarilla N#1


 Analyst


 Review




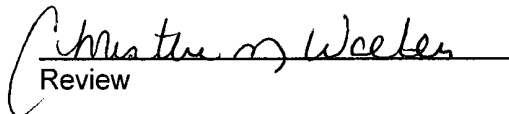
Client:	Energen	Project #:	03022-0163
Sample ID:	BGT Bottom	Date Reported:	01-28-10
Lab ID#:	53007	Date Sampled:	01-26-10
Sample Matrix:	Soil	Date Received:	01-26-10
Preservative:	Cool	Date Analyzed:	01-27-10
Condition:	Intact	Chain of Custody:	8686

Parameter	Concentration (mg/Kg)
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 Closure / Jicarilla N #1**

Analyst 

Review 

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-0163
Sample ID:	Overburden	Date Reported:	01-28-10
Laboratory Number:	53008	Date Sampled:	01-26-10
Chain of Custody No:	8686	Date Received:	01-26-10
Sample Matrix:	Soil	Date Extracted:	01-26-10
Preservative:	Cool	Date Analyzed:	01-27-10
Condition:	Intact	Analysis Requested:	8015 TPH

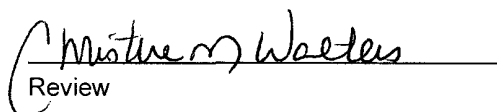
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.6	0.2
Diesel Range (C10 - C28)	52.3	0.1
Total Petroleum Hydrocarbons	55.9	0.2

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 Closure / Jicarilla N#1**


Analyst


Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0163
Sample No.:	7	Date Reported:	1/29/2010
Sample ID:	Overburden Pile	Date Sampled:	1/26/2010
Sample Matrix:	Soil	Date Analyzed:	1/26/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	124	5.0
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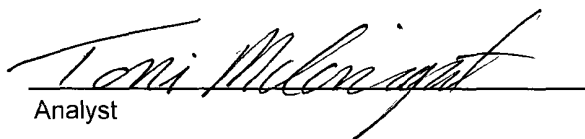
ND = Parameter not detected at the stated detection limit.

Method 8015
showed 55.9 - acceptable

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Jicarilla N #1

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Toni McKnight
Printed


Review

James McDaniel
Printed

Ed Hasely

From: Ed Hasely
Sent: Monday, January 11, 2010 8:03 AM
To: 'Powell, Brandon, EMNRD'
Cc: 'Dixon Sandoval'; Billy Stalcup
Subject: BGT Closure - Jicarilla N #1- Potential Past Release Notification

Brandon - During the BGT closure on the subject well, impacted soils were discovered under the BGT. The impacted soils are being excavated. I will follow-up w/ a C-141 and a C-144 upon completion of the project. Let me know if you have questions.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Monday, January 04, 2010 2:33 PM
To: 'Powell, Brandon, EMNRD'
Cc: Dixon Sandoval; Billy Stalcup
Subject: BGT Closure Notification - Jicarilla N #1

Brandon - This is to notify you that Energen will be closing the below grade tank on the following location in the near future. Plans are to set the tank above grade.

Jicarilla N #1 - Unit Letter K, Section 4, Township 24N, Range 5W

Ed Hasely
Energen Resources Corporation

Sr. Environmental Engineer
ed.hasely@energen.com
Office: (505) 324-4131
Cell: (505) 330-3584