

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

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 97 #2 (30-039-06531)	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 97
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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
N	7	26N	3W	990	South	1450	West	Rio Arriba

Latitude 36 47954

Longitude -107.1717

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: 5/4/12
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD – Brandon Powell, Jicarilla EPO – Hobson Sandoval	
By Whom? Ed Hasely	Date and Hour: 5/4/12, 1:15 pm	
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

RCVD JUN 1 '12
OIL CONS. DIV.
DIST. 3


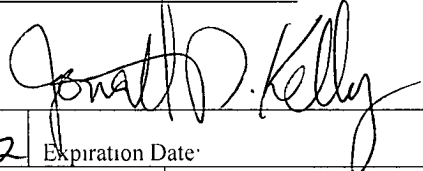
Describe Cause of Problem and Remedial Action Taken.*

Sampling underneath the tank during the below-grade tank closure showed TPH (Method 418 I) results of 769 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 52.8 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

Signature 	OIL CONSERVATION DIVISION	
Printed Name Ed Hasely	Approved by District Supervisor 	
Title Sr. Environmental Engineer	Approval Date 6/04/2012	Expiration Date:
E-mail Address ed.hasely@energen.com	Conditions of Approval.	Attached <input type="checkbox"/>
Date 5/31/12 Phone 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

NJR 1215636534



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons


Client:	Energen	Project #:	03022-0001
Sample ID:	BGT Bottom	Date Reported:	05-02-12
Laboratory Number:	61951	Date Sampled:	04-27-12
Chain of Custody No:	13860	Date Received:	04-27-12
Sample Matrix:	Soil	Date Extracted:	04-30-12
Preservative:	Cool	Date Analyzed:	05-01-12
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)	52.8	0.1
Total Petroleum Hydrocarbons	52.8	

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: Jicarilla 97 #2



Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT Bottom	Date Reported:	05-03-12
Laboratory Number:	61951	Date Sampled:	04-27-12
Chain of Custody:	13860	Date Received:	04-27-12
Sample Matrix:	Soil	Date Analyzed:	05-03-12
Preservative:	Cool	Date Extracted:	04-30-12
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	

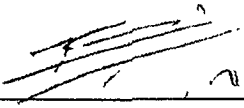
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	92.6 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	97.1 %

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 97 #2



Analyst



Review



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS


Client:	Energen	Project #:	03022-0001
Sample ID:	BGT Bottom	Date Reported:	05-02-12
Laboratory Number:	61951	Date Sampled:	04-27-12
Chain of Custody No:	13860	Date Received:	04-27-12
Sample Matrix:	Soil	Date Extracted:	05-01-12
Preservative:	Cool	Date Analyzed:	05-01-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	769	7.4

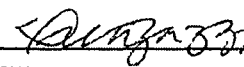
ND = Parameter not detected at the stated detection limit.

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

Comments: Jicarilla 97 #2



Analyst



Review



Chloride

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT Bottom	Date Reported:	05-02-12
Lab ID#:	61951	Date Sampled:	04-27-12
Sample Matrix:	Soil	Date Received:	04-27-12
Preservative:	Cool	Date Analyzed:	05-01-12
Condition:	Intact	Chain of Custody:	13860


Parameter	Concentration (mg/Kg)
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Total Chloride

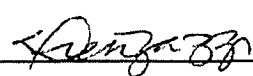
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Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Jicarilla 97 #2



Analyst



Review

Ed Hasely

From: Ed Hasely
Sent: Friday, May 04, 2012 1 15 PM
To: 'Kelly, Jonathan, EMNRD', 'Powell, Brandon, EMNRD'
Cc: 'hsandoval_99@yahoo.com', Billy Stalcup
Subject: RE BGT Closure - Jicarilla 97 #2 - Possible Release Notification

The analysis of the soil sample collected beneath the subject BGT tested above 100 ppm TPH using Method 418.1. Per the Pit Rule, this is an indication of a possible past release. We will proceed w/ closure per 19.15.29 and 19.15.30.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Monday, April 16, 2012 11:01 AM
To: 'Kelly, Jonathan, EMNRD'
Cc: 'hsandoval_99@yahoo.com'; Billy Stalcup
Subject: BGT Closure Notification _ Jicarilla 97 #2

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

Jica rilla 97 #2 - Unit Letter N, Section 8, Township 26N, Range 3W

Ed Hasely
Energen Resources Corporation
Sr Environmental Engineer
ed_hasely@energen.com
Office (505) 324-4131
Cell (505) 330-3584

Ed Hasely

From: Hobson Sandoval [hsandoval_99@yahoo.com]
Sent: Monday, May 07, 2012 11:03 AM
To: Ed Hasely, dixonssandoval@jicarillaoga.com, Cordell Tecube
Subject: Re: BGT Closure - Jicarilla 97 #2 - Request for Closure - Jic Reply

From: Ed Hasely <Ed.Hasely@energen.com>
To: "Kelly, Jonathan, EMNRD" <Jonathan.Kelly@state.nm.us>, "Powell, Brandon, EMNRD" <Brandon.Powell@state.nm.us>
Cc: "hsandoval_99@yahoo.com" <hsandoval_99@yahoo.com>, Billy Stalcup <Billy.Stalcup@energen.com>
Sent: Monday, May 7, 2012 9:29 AM
Subject: RE: BGT Closure - Jicarilla 97 #2 - Request for Closure

Ed, the lab values are within acceptable closure limit. Therefore, it is ok to close them. Let me know when you will be back filling this site. Thank you for notifying me.

Attached are the lab analyses for the subject BGT closure. As you can see, the TPH-418.1 is 769 ppm, but the TPH-8015 is only 52.8 ppm which is well within the spill cleanup guidelines. BTEX is non-detect and chlorides are 100 ppm which is below the 250 ppm Pit Rule limit.

Energen requests approval to close the BGT due to meeting the spill cleanup guidelines (TPH-8015, BTEX, and chlorides). Please let me know if you concur. Thanks.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Friday, May 04, 2012 1:15 PM
To: 'Kelly, Jonathan, EMNRD', 'Powell, Brandon, EMNRD'
Cc: 'hsandoval_99@yahoo.com', Billy Stalcup
Subject: RE: BGT Closure - Jicarilla 97 #2 - Possible Release Notification

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Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Monday, April 16, 2012 11:01 AM
To: 'Kelly, Jonathan, EMNRD'
Cc: 'hsandoval_99@yahoo.com', Billy Stalcup
Subject: BGT Closure Notification _ Jicarilla 97 #2

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

Jicarilla 97 #2 - Unit Letter N, Section &, Township 26N, Range 3W

RCUD JUN 1 '12

OIL CONS. DIV.

DIST. 3

May 31, 2012

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410
Attn: Brandon Powell

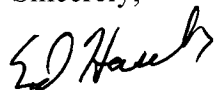
Re: **Jicarilla 97 #2**
C-141 Submittal
Below Grade Tank Closure – Release Submittal

Dear Mr. Powell:

Enclosed is the final C-141 Form for the possible release identified during a Below-Grade Tank closure on the subject well location.

If there are any questions or concerns with this submittal, please contact me at 505-324-4131.

Sincerely,



Ed Hasely
Sr. Environmental Engineer
Energen Resources

Attachments: Final C-141
Lab Reports

Cc: Hobson Sandoval – Jicarilla EPO
Bryce Hammond – Jicarilla Oil and Gas
HSE File
Facility File
Correspondence