

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 35 #13 (30-039-22097)	Facility Type: Oil/Gas Well Site	
Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 35

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	36	25N	5W	840	South	1540	West	Rio Arriba

Latitude 36.35141

Longitude -107.31491

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: 7/14/10
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 – Dixon Sandoval	
By Whom? Ed Hasely	Date and Hour: 7/26/10, 4:30 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

RCVD AUG 23 '10

If a Watercourse was Impacted, Describe Fully.* NA

OIL CONS. DIV.

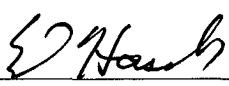

DIST. 3

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 20 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: 	OIL CONSERVATION DIVISION	
Printed Name: Ed Hasely	Approved by District Supervisor:  For: CP	
Title: Sr. Environmental Engineer	Approval Date: <u>8/26 9/8/10</u>	Expiration Date:
E-mail Address: <u>ed.hasely@energen.com</u>	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 8/19/10	Phone: 505-324-4131 / 505-330-3584(cell)	

* Attach Additional Sheets If Necessary

Incident # nBP1025126843

10



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

Client: Energen
Sample ID: Bottom
Laboratory Number: 55164
Chain of Custody No: 9981
Sample Matrix: Soil
Preservative: Cool
Condition: Intact


Project #: 03022-0168
Date Reported: 07-16-10
Date Sampled: 07-14-10
Date Received: 07-15-10
Date Extracted: 07-15-10
Date Analyzed: 07-16-10
Analysis Requested: 8015 TPH

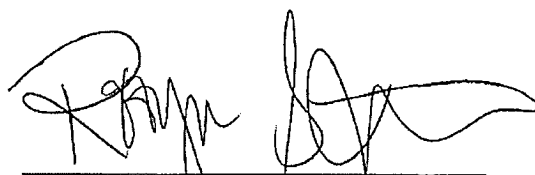
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.2	0.1
Total Petroleum Hydrocarbons	0.2	0.2

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: Jicarilla 35 #13 BGT


Analyst


Review



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

Client: Energen
Sample ID: Sides
Laboratory Number: 55165
Chain of Custody No: 9981
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 03022-0168
Date Reported: 07-16-10
Date Sampled: 07-14-10
Date Received: 07-15-10
Date Extracted: 07-15-10
Date Analyzed: 07-16-10
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	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: Jicarilla 35 #13 BGT

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	Bottom	Date Reported:	07-16-10
Laboratory Number:	55164	Date Sampled:	07-14-10
Chain of Custody:	9981	Date Received:	07-15-10
Sample Matrix:	Soil	Date Analyzed:	07-16-10
Preservative:	Cool	Date Extracted:	07-15-10
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	

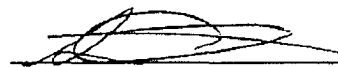
ND - Parameter not detected at the stated detection limit.

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

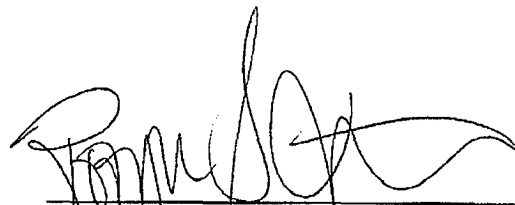
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla 35 #13 BGT



Analyst



Review



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	Energen	Project #:	03022-0168
Sample ID:	Sides	Date Reported:	07-16-10
Laboratory Number:	55165	Date Sampled:	07-14-10
Chain of Custody:	9981	Date Received:	07-15-10
Sample Matrix:	Soil	Date Analyzed:	07-16-10
Preservative:	Cool	Date Extracted:	07-15-10
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	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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 #13 BGT

Analyst

Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

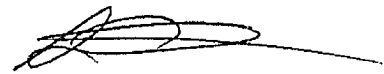
Client:	Energen	Project #:	03022-0168
Sample ID:	Bottom	Date Reported:	07-16-10
Laboratory Number:	55164	Date Sampled:	07-14-10
Chain of Custody No:	9981	Date Received:	07-15-10
Sample Matrix:	Soil	Date Extracted:	07-16-10
Preservative:	Cool	Date Analyzed:	07-16-10
Condition:	Intact	Analysis Needed:	TPH-418.1

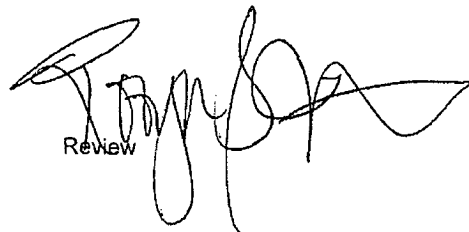
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	47.3	8.9

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 35 #13 BGT


Analyst


Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

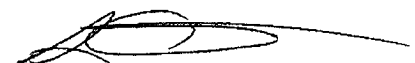
Client:	Energen	Project #:	03022-0168
Sample ID:	Sides	Date Reported:	07-16-10
Laboratory Number:	55165	Date Sampled:	07-14-10
Chain of Custody No:	9981	Date Received:	07-15-10
Sample Matrix:	Soil	Date Extracted:	07-16-10
Preservative:	Cool	Date Analyzed:	07-16-10
Condition:	Intact	Analysis Needed:	TPH-418.1

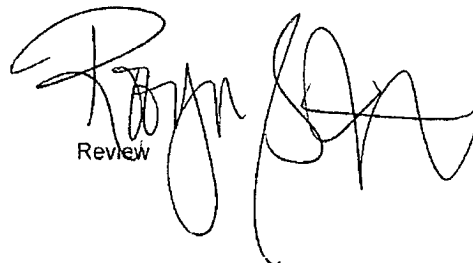
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	13.3	8.9

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 35 #13 BGT


Analyst


Review



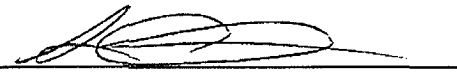
Chloride

Client:	Energen	Project #:	03022-0168
Sample ID:	Bottom	Date Reported:	07-16-10
Lab ID#:	55164	Date Sampled:	07-14-10
Sample Matrix:	Soil	Date Received:	07-15-10
Preservative:	Cool	Date Analyzed:	07-16-10
Condition:	Intact	Chain of Custody:	9981

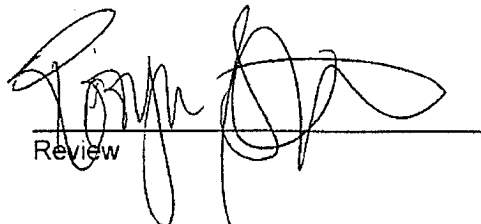
Parameter	Concentration (mg/Kg)
Total Chloride	15

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 #13 BGT



Analyst



Review



Chloride

Client:	Energen	Project #:	03022-0168
Sample ID:	Sides	Date Reported:	07-16-10
Lab ID#:	55165	Date Sampled:	07-14-10
Sample Matrix:	Soil	Date Received:	07-15-10
Preservative:	Cool	Date Analyzed:	07-16-10
Condition:	Intact	Chain of Custody:	9981

Parameter

Concentration (mg/Kg)

Total Chloride

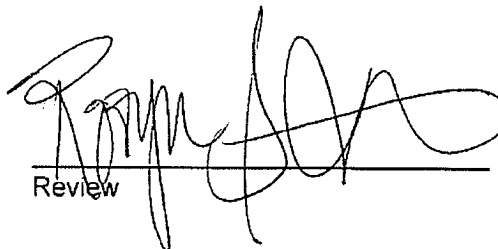
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Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Jicarilla 35 #13 BGT



Analyst



Review

Ed Hasely

From: Ed Hasely
Sent: Monday, July 26, 2010 4:26 PM
To: 'Powell, Brandon, EMNRD'
Subject: FW: BGT Closure - Jicarilla 35 #13 - Notification of Possible Past Release

This is to notify you that visually impacted soils were observed when the BGT on the subject location was removed. The impacted soils were removed and samples of the bottom and sidewalls were collected for analyses. The excavation will be closed per 19.15.29 and 19.15.30. Please let me know if there are any questions. Thanks.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Tuesday, July 06, 2010 4:13 PM
To: 'Powell, Brandon, EMNRD'
Cc: Dixon Sandoval
Subject: BGT Closure - Jicarilla 35 #13

This email is to notify you that Energen plans to close the below grade tank on the subject location in the near future. The well is located in Unit Letter N – Section 36 – T25N – R5W in Rio Arriba County.

Ed Hasely
Energen Resources Corporation

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