

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 89 #5 (API 3003907096)	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 89
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LOCATION OF RELEASE

Unit Letter A	Section 14	Township 27N	Range 3W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude 36.57778 Longitude -107.10809

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: 12/1/10
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: 12/1/10	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N	

If a Watercourse was Impacted, Describe Fully.* NA

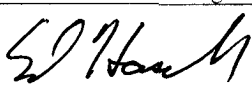
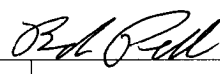
Describe Cause of Problem and Remedial Action Taken.*

During the below-grade tank closure, impacted soils were observed beneath the tank According to the Pit Rule, this is an indication of a past release.

Describe Area Affected and Cleanup Action Taken.*

The impacted soils were excavated and hauled off for proper disposal. Samples were collected from the excavation to confirm clean closure. 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: 	<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Ed Hasely	Approved by District Supervisor: 	
Title: Sr Environmental Engineer	Approval Date: 8-5-11	Expiration Date:
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 7/29/11 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

nJK1123157121



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


Client:	Energen	Project #:	03022-0168
Sample ID:	BGT-Sides	Date Reported:	12-07-10
Laboratory Number:	56637	Date Sampled:	12-06-10
Chain of Custody No:	10851	Date Received:	12-07-10
Sample Matrix:	Soil	Date Extracted:	12-07-10
Preservative:	Cool	Date Analyzed:	12-07-10
Condition:	Intact	Analysis Requested:	8015 TPH

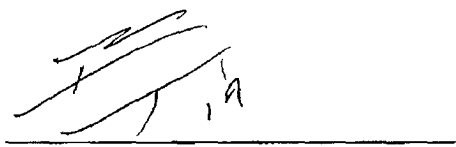
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

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 89 #5**


Analyst


Review



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

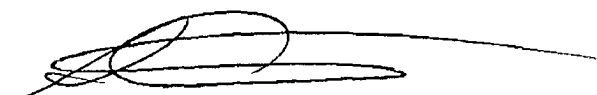
Client:	Energen	Project #:	03022-0168
Sample ID:	BGT-Bottom	Date Reported:	12-07-10
Laboratory Number:	56638	Date Sampled:	12-06-10
Chain of Custody No:	10851	Date Received:	12-07-10
Sample Matrix:	Soil	Date Extracted:	12-07-10
Preservative:	Cool	Date Analyzed:	12-07-10
Condition:	Intact	Analysis Requested:	8015 TPH

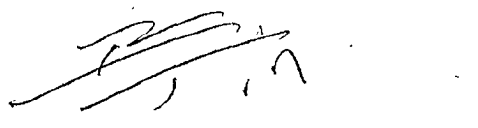
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	1.7	0.1
Total Petroleum Hydrocarbons	1.7	

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 89 #5**



Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	BGT-Sides	Date Reported:	12-07-10
Laboratory Number:	56637	Date Sampled:	12-06-10
Chain of Custody:	10851	Date Received:	12-07-10
Sample Matrix:	Soil	Date Analyzed:	12-07-10
Preservative:	Cool	Date Extracted:	12-07-10
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	18.7	1.0
Ethylbenzene	7.5	1.0
p,m-Xylene	80.3	1.2
o-Xylene	21.5	0.9
Total BTEX	128	

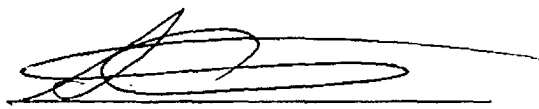
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	91.3 %

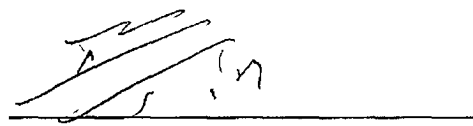
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Jicarilla 89 #5



Analyst



Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0168
Sample ID:	BGT-Bottom	Date Reported:	12-07-10
Laboratory Number:	56638	Date Sampled:	12-06-10
Chain of Custody:	10851	Date Received:	12-07-10
Sample Matrix:	Soil	Date Analyzed:	12-07-10
Preservative:	Cool	Date Extracted:	12-07-10
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	37.1	1.2
o-Xylene	6.0	0.9
Total BTEX	43.1	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	117 %
	1,4-difluorobenzene	103 %
	Bromochlorobenzene	84.6 %

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 89 #5


Analyst


Review

Client:	Energen	Project #:	03022-0168
Sample ID:	BGT-Sides	Date Reported:	12-08-10
Lab ID#:	56637	Date Sampled:	12-06-10
Sample Matrix:	Soil	Date Received:	12-07-10
Preservative:	Cool	Date Analyzed:	12-08-10
Condition:	Intact	Chain of Custody:	10851

Parameter	Concentration (mg/Kg)
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Total Chloride

90

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 89 #5


Analyst
Review

Client:	Energen	Project #:	03022-0168
Sample ID:	BGT-Bottom	Date Reported:	12-08-10
Lab ID#:	56638	Date Sampled:	12-06-10
Sample Matrix:	Soil	Date Received:	12-07-10
Preservative:	Cool	Date Analyzed:	12-08-10
Condition:	Intact	Chain of Custody:	10851

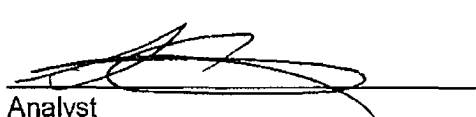
Parameter	Concentration (mg/Kg)
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Total Chloride

400

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 89 #5


Analyst
Review

Ed Hasely

From: Ed Hasely
Sent: Wednesday, December 01, 2010 3:39 PM
To: 'Powell, Brandon, EMNRD'
Cc: 'Dixon Sandoval'
Subject: FW: BGT Closure - Jicarilla 89 #5 - Possible Release Notification

This is to notify you that hydrocarbon impacted soils were discovered beneath the below grade tank on the subject location. Per the Pit Rule, this is an indication of a possible past release. Energen will proceed per 19.15.29 and 19.15.30.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Friday, November 19, 2010 7:32 AM
To: 'Powell, Brandon, EMNRD'
Cc: 'Dixon Sandoval'
Subject: BGT Closure - Jicarilla 89 #5

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

Jicarilla 89 #5 - Unit Letter A, Section 13, Township 27N, Range 3W

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