

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 98 #2A (API 3003921284)	Facility Type: Oil/Gas Well Site	
Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 98

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
O	19	26N	3W	1149	South	1391	East	Rio Arriba

Latitude 36 46455 Longitude -107 17968

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: 4/5/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathan Kelly - OCD Hobson Sandoval - Jicarilla	
By Whom? Ed Hasely	Date and Hour: 4/5/12, 4 45 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

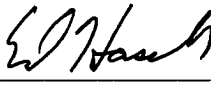
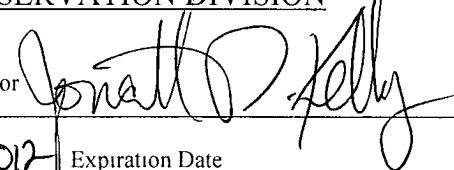
Describe Cause of Problem and Remedial Action Taken.*

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

Describe Area Affected and Cleanup Action Taken.*

Approximately 240 cy of impacted soils were excavated and samples were collected from the sides and bottom of the excavation The impacted soils hauled to a commercial disposal facility Lab analyses are attached. The excavation was backfilled with clean soils 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

NJK 12156 36999



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	04-23-12
Laboratory Number:	61787	Date Sampled:	04-17-12
Chain of Custody No:	13854	Date Received:	04-17-12
Sample Matrix:	Soil	Date Extracted:	04-19-12
Preservative:	Cool	Date Analyzed:	04-20-12
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: Jicarilla 98 #2A BGT

Analyst

Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	04-23-12
Laboratory Number:	61788	Date Sampled:	04-17-12
Chain of Custody No:	13854	Date Received:	04-17-12
Sample Matrix:	Soil	Date Extracted:	04-19-12
Preservative:	Cool	Date Analyzed:	04-20-12
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: Jicarilla 98 #2A BGT

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	04-25-12
Laboratory Number:	61787	Date Sampled:	04-17-12
Chain of Custody:	13854	Date Received:	04-17-12
Sample Matrix:	Soil	Date Analyzed:	04-25-12
Preservative:	Cool	Date Extracted:	04-19-12
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	13.6	10.0
o-Xylene	11.3	10.0
Total BTEX	24.9	

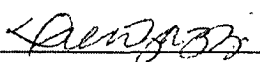
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.3 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	104 %

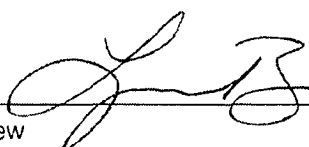
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Jicarilla 98 #2A BGT



Analyst



Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	04-25-12
Laboratory Number:	61788	Date Sampled:	04-17-12
Chain of Custody:	13854	Date Received:	04-17-12
Sample Matrix:	Soil	Date Analyzed:	04-25-12
Preservative:	Cool	Date Extracted:	04-19-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	10.7	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	25.9	10.0
o-Xylene	15.0	10.0
Total BTEX	51.6	

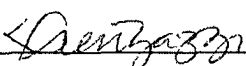
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	102 %
	1,4-difluorobenzene	101 %
	Bromochlorobenzene	101 %

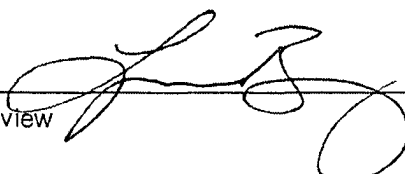
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments: Jicarilla 98 #2A BGT



Analyst



Review



Chloride

Client:	Energen Resources	Project #.	03022-0001
Sample ID:	Sides	Date Reported:	04-19-12
Lab ID#:	61787	Date Sampled:	04-17-12
Sample Matrix:	Soil	Date Received:	04-17-12
Preservative:	Cool	Date Analyzed:	04-19-12
Condition:	Intact	Chain of Custody:	13854

Parameter	Concentration (mg/Kg)
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Total Chloride

80.0

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 98 #2A BGT**

Analyst

Review

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	04-19-12
Lab ID#:	61788	Date Sampled:	04-17-12
Sample Matrix:	Soil	Date Received:	04-17-12
Preservative:	Cool	Date Analyzed:	04-19-12
Condition:	Intact	Chain of Custody:	13854

Parameter	Concentration (mg/Kg)
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Total Chloride**140**

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 98 #2A BGT**



Analyst

Review

Ed Hasely

From: Ed Hasely
Sent: Thursday, April 05, 2012 4 45 PM
To: 'Kelly, Jonathan, EMNRD'
Cc: 'Hobson Sandoval', Billy Stalcup
Subject: RE BGT Closure Notifications - Jicarilla

During the closure process on the BGT on the Jicarilla 98 #2A, visually impacted soils were observed, which according to the Pit Rule is an indication of a past release. Energen will proceed w/ 19.15.29 and 19.15.30.

Ed Hasely Energen Resources Corporation

From: Ed Hasely
Sent: Wednesday, March 28, 2012 7:36 AM
To: 'Kelly, Jonathan, EMNRD'
Cc: 'Hobson Sandoval'
Subject: BGT Closure Notifications - Jicarilla

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

Jica rilla 98 #2A - Unit Letter O, Section 19, Township 26N, Range 3W
Jicarilla 98 #10 - Unit Letter M, Section 17, Township 26N, Range 3W
Jicarilla 98 #12 - Unit Letter J, Section 18, Township 26N, Range 3W

Ed Hasely Energen Resources Corporation

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



May 31, 2012

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

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

Re: **Jicarilla 98 #2A**
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,

A handwritten signature in black ink, appearing to read "Ed Hasely".

Ed Hasely
Sr. Environmental Engineer
Energen Resources

Attachments: Final C-141
Lab Reports

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