

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

30-039-22865

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: Florance Federal #8A (API#: 3003922865)	Facility Type: Gas Well

Surface Owner: Fee	Mineral Owner: Federal	Lease No. NMSF-080565
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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
E	5	25N	3W	2036	North	1000	West	Rio Arriba

Latitude 36.43024

Longitude -107.17326

NATURE OF RELEASE

Type of Release: Produced Fluids	Volume of Release: Unknown	Volume Recovered: 0 bbls
Source of Release: Separator Pit Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 4/25/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - NMOCD Mark Kelly - BLM	
By Whom? Ed Hasely	Date and Hour: 4/25/12, 8:06 am	
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

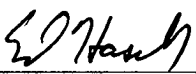
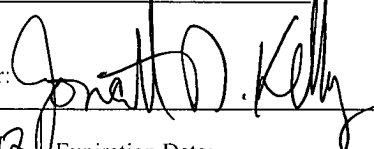
RCVD JUN 13 '12
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*

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

Describe Area Affected and Cleanup Action Taken.* Impacted soils underneath the below grade tank were excavated to a depth of approximately 18 feet. Samples were collected from the sides and the bottom of the excavation and submitted to a lab for analysis. The lab analysis (attached) showed that the remaining soils were clean. The excavated soils (320 cy) were properly disposed at a commercial landfarm. The excavation was backfilled with clean soils.

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: 6/20/2012 Expiration Date:	
E-mail Address: ed.hasely@encrgen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/8/12 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

NK1217247573



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	05-09-12
Laboratory Number:	62017	Date Sampled:	05-08-12
Chain of Custody No:	13921	Date Received:	05-08-12
Sample Matrix:	Soil	Date Extracted:	05-08-12
Preservative:	Cool	Date Analyzed:	05-09-12
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: **Florance Fed. #2A**
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EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	05-09-12
Laboratory Number:	62018	Date Sampled:	05-08-12
Chain of Custody No:	13921	Date Received:	05-08-12
Sample Matrix:	Soil	Date Extracted:	05-08-12
Preservative:	Cool	Date Analyzed:	05-09-12
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: Florance Fed. #~~1~~A
8



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	05-09-12
Laboratory Number:	62017	Date Sampled:	05-08-12
Chain of Custody:	13921	Date Received:	05-08-12
Sample Matrix:	Soil	Date Analyzed:	05-09-12
Preservative:	Cool	Date Extracted:	05-08-12
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	89.3 %
	1,4-difluorobenzene	91.3 %
	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: Florance Fed. #1A
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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	05-09-12
Laboratory Number:	62018	Date Sampled:	05-08-12
Chain of Custody:	13921	Date Received:	05-08-12
Sample Matrix:	Soil	Date Analyzed:	05-09-12
Preservative:	Cool	Date Extracted:	05-08-12
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	89.1 %
	1,4-difluorobenzene	99.9 %
	Bromochlorobenzene	103 %

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: Florance Fed. #~~1~~A
8



Chloride

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	05-09-12
Lab ID#:	62017	Date Sampled:	05-08-12
Sample Matrix:	Soil	Date Received:	05-08-12
Preservative:	Cool	Date Analyzed:	05-09-12
Condition:	Intact	Chain of Custody:	13921

Parameter	Concentration (mg/Kg)
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Total Chloride

200

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: Florance Fed. #~~2A~~
8



Chloride

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	05-09-12
Lab ID#:	62018	Date Sampled:	05-08-12
Sample Matrix:	Soil	Date Received:	05-08-12
Preservative:	Cool	Date Analyzed:	05-09-12
Condition:	Intact	Chain of Custody:	13921

Parameter	Concentration (mg/Kg)
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Total Chloride

440

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: Florance Fed. #2A
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Ed Hasely

From: Ed Hasely
Sent: Wednesday, April 25, 2012 8:06 AM
To: 'Powell, Brandon, EMNRD', 'Kelly, Mark C'
Subject: BGT Closure Notification - Florance Fed #8A - Possible Past Release

This is to notify you that hydrocarbon impacted soils were discovered during the BGT closure process on the subject well. We will excavate the impacted soils for proper disposal. Confirmation samples will be collected prior to backfill. Let me know if you have questions. Thanks.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Monday, April 16, 2012 10:31 AM
To: 'Powell, Brandon, EMNRD'
Cc: Billy Stalcup
Subject: BGT Closure Notification - Florance Fed #8A

The Florance Fed #8A BGT was not closed back in 2009 as originally planned. This note is to notify you that we plan to do this work in the near future. Let me know if you have questions. Thanks.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Tuesday, December 01, 2009 9:17 AM
To: 'Powell, Brandon, EMNRD'
Cc: Billy Stalcup
Subject: BGT Closures

Brandon - This Email is to notify you that Energen plans to remove the below grade tanks on the following locations in the near future:

Florance Fed #7A	Unit Letter H, Sec. 4 - T25N - R3W
Florance Fed #8	Unit Letter H, Sec. 5 - T25N - R3W
Florance Fed #8A	Unit Letter E, Sec. 5 - T25N - R3W

Let me know if you have questions. Thanks.

Ed Hasely
Energen Resources Corporation

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

Ed Hasely

From: Kelly, Mark C [mkelly@blm.gov]
Sent: Wednesday, May 23, 2012 1:40 PM
To: Ed Hasely
Subject: FW: BGT Closure Notification - Florance Fed #8A - Excavation Samples

From: Landon, Sherrie C
Sent: Wednesday, May 23, 2012 6:27 AM
To: Kelly, Mark C
Subject: RE: BGT Closure Notification - Florance Fed #8A - Excavation Samples

I am handling these projects now and you have approval to backfill and close the excavation. Thanks sherrie

From: Kelly, Mark C
Sent: Wednesday, May 23, 2012 5:53 AM
To: Landon, Sherrie C
Subject: FW: BGT Closure Notification - Florance Fed #8A - Excavation Samples

From: Ed Hasely [mailto:Ed.Hasely@energen.com]
Sent: Tuesday, May 22, 2012 10:28 AM
To: 'Powell, Brandon, EMNRD'; Kelly, Mark C; 'Kelly, Jonathan, EMNRD'
Subject: FW: BGT Closure Notification - Florance Fed #8A - Excavation Samples

Haven't heard anything ? Please let me know. Thanks.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Wednesday, May 16, 2012 9:29 AM
To: 'Powell, Brandon, EMNRD'; 'Kelly, Mark C'
Cc: Billy Stalcup
Subject: RE: BGT Closure Notification - Florance Fed #8A - Excavation Samples

We ended up running into old contamination probably from an old earthen pit. We excavated and disposed of approximately 400 cy of impacted soils down to a depth of 20 feet. The analyses of the samples collected from the side walls and bottom of the excavation are attached. The TPH and BTEX came back non-detect for both the side walls and the bottom of the excavation. Chlorides were 200 mg/Kg on the bottom sample and 440 mg/Kg for the side wall sample.

I request approval to backfill and close this excavation. Groundwater depth is estimated at greater than 100 feet. Please let me know. Thanks.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Wednesday, April 25, 2012 8:06 AM