

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: Florance Federal #8 (API#3003922126)	Facility Type: Gas Well

Surface Owner: Fee	Mineral Owner: Federal	Lease No. SF-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
H	5	25N	3W	2050	North	960	East	Rio Arriba

Latitude 36.43023

Longitude -107.16184

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: 12/21/09
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	
By Whom? Ed Hasely	Date and Hour: 1/14/10, 9:55 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

RCVD MAR 9 '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 tested 487 ppm TPH (EPA Method 418.1). 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 10 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 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: <u>Ed Hasely</u>		OIL CONSERVATION DIVISION	
Printed Name: Ed Hasely		Approved by District Supervisor: <u>Brandon Powell</u> For: CP	
Title: Sr. Environmental Engineer		Approval Date: <u>4/9/10</u>	Expiration Date:
E-mail Address: <u>ed.hasely@energen.com</u>		Conditions of Approval:	
Date: 3/5/10 Phone: 505-324-4131 / 505-330-3584(cell)		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

N FMD 1018249636



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

Client:	Energen Res.	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	01-13-10
Laboratory Number:	52926	Date Sampled:	01-11-10
Chain of Custody No:	8651	Date Received:	01-12-10
Sample Matrix:	Soil	Date Extracted:	01-12-10
Preservative:	Cool	Date Analyzed:	01-13-10
Condition:	Intact	Analysis Requested:	8015 TPH

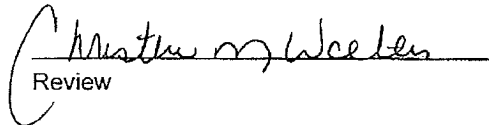
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Florance Fed #8 BGT**


Analyst


Review



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

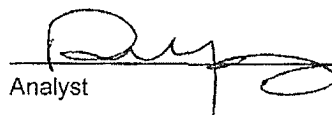
Client:	Energen Res.	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	01-13-10
Laboratory Number:	52927	Date Sampled:	01-11-10
Chain of Custody No:	8651	Date Received:	01-12-10
Sample Matrix:	Soil	Date Extracted:	01-12-10
Preservative:	Cool	Date Analyzed:	01-13-10
Condition:	Intact	Analysis Requested:	8015 TPH

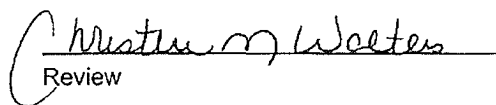
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	27.4	0.1
Total Petroleum Hydrocarbons	27.4	0.2

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: **Florance Fed #8 BGT**


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Res.	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	01-13-10
Laboratory Number:	52926	Date Sampled:	01-11-10
Chain of Custody:	8651	Date Received:	01-12-10
Sample Matrix:	Soil	Date Analyzed:	01-13-10
Preservative:	Cool	Date Extracted:	01-12-10
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	

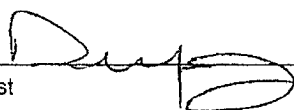
ND - Parameter not detected at the stated detection limit.

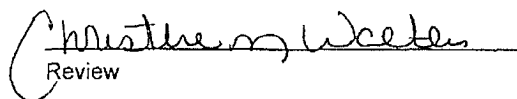
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	92.0 %
	1,4-difluorobenzene	88.3 %
	Bromochlorobenzene	97.0 %

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 #8 BGT

Analyst 

Review 



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Res.	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	01-13-10
Laboratory Number:	52927	Date Sampled:	01-11-10
Chain of Custody:	8651	Date Received:	01-12-10
Sample Matrix:	Soil	Date Analyzed:	01-13-10
Preservative:	Cool	Date Extracted:	01-12-10
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	91.0 %
	1,4-difluorobenzene	87.3 %
	Bromochlorobenzene	96.0 %

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 #8 BGT

Analyst

Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Res	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	01-14-10
Laboratory Number:	52926	Date Sampled:	01-11-10
Chain of Custody No:	8651	Date Received:	01-12-10
Sample Matrix:	Soil	Date Extracted:	01-13-10
Preservative:	Cool	Date Analyzed:	01-13-10
Condition:	Intact	Analysis Needed:	TPH-418.1

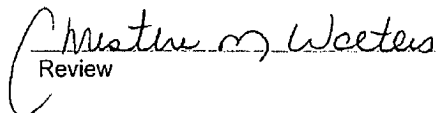
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	24.0	14.1

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: Florance Fed #8 BGT

Analyst 

Review 



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Res	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	01-14-10
Laboratory Number:	52927	Date Sampled:	01-11-10
Chain of Custody No:	8651	Date Received:	01-12-10
Sample Matrix:	Soil	Date Extracted:	01-13-10
Preservative:	Cool	Date Analyzed:	01-13-10
Condition:	Intact	Analysis Needed:	TPH-418.1

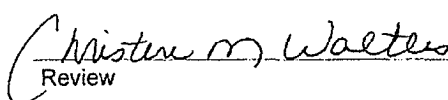
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	28.2	14.1

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: Florance Fed #8 BGT

Analyst 

Review 



Chloride

Client:	Energen Res.	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	01-14-10
Lab ID#:	52926	Date Sampled:	01-11-10
Sample Matrix:	Soil	Date Received:	01-12-10
Preservative:	Cool	Date Analyzed:	01-13-10
Condition:	Intact	Chain of Custody:	8651

Parameter

Concentration (mg/Kg)

Total Chloride

30

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 #8 BGT

Analyst

Review



Chloride

Client:	Energen Res.	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	01-14-10
Lab ID#:	52927	Date Sampled:	01-11-10
Sample Matrix:	Soil	Date Received:	01-12-10
Preservative:	Cool	Date Analyzed:	01-13-10
Condition:	Intact	Chain of Custody:	8651

Parameter

Concentration (mg/Kg)

Total Chloride

45

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 #8 BGT

Analyst

Review

Ed Hasely

From: Ed Hasely
Sent: Thursday, January 14, 2010 9:55 AM
To: 'Powell, Brandon, EMNRD'
Subject: FW: BGT Closures - Past Release Notification

This note is to notify you that the soil sample collected beneath the Florance Fed #8 failed the 418.1 TPH limit. According to the Pit Rule, a 418.1 analysis over 100 is an indication of a past release. The impacted soils were excavated and the bottom and sides of the excavation were sampled.

I will follow-up w/ a completed C144 and C141. 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