

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 22198

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: Hughes Federal Com #1	Facility Type: Compressor Station

Surface Owner: Fee	Mineral Owner: Fee	Lease No. Fee
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LOCATION OF RELEASE

Unit Letter O	Section 7	Township 24N	Range 3W	Feet from the 790	North/South Line South	Feet from the 850	East/West Line West	County Rio Arriba
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Latitude 36.31972

Longitude -107.19612

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: 4/15/09
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: 4/15/09, 8:18 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

RCVD NOV 16 '09

If a Watercourse was Impacted, Describe Fully.* NA


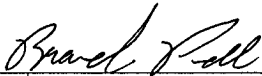
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*

Sampling underneath the tank during the below-grade tank closure showed TPH (Method 418.1) results of 3800 ppm. According to the Pit Rule, any result over 100 ppm is an indication of a 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: 	OIL CONSERVATION DIVISION	
Printed Name: Ed Hasely	Approved by District Supervisor:  For: CP	
Title: Sr. Environmental Engineer	Approval Date: 1/6/10	Expiration Date:
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/9/09 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

NRMB 1000753886



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

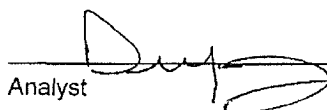
Client:	Energen	Project #:	03022-0001
Sample ID:	BGT-Sides	Date Reported:	05-04-09
Laboratory Number:	49829	Date Sampled:	04-28-09
Chain of Custody No:	6883	Date Received:	04-28-09
Sample Matrix:	Soil	Date Extracted:	04-30-09
Preservative:	Cool	Date Analyzed:	05-01-09
Condition:	Intact	Analysis Requested:	8015 TPH

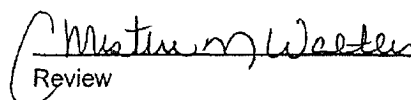
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Hughes Fed Com #1**


Analyst


Review



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

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT-Bottom	Date Reported:	05-04-09
Laboratory Number:	49830	Date Sampled:	04-28-09
Chain of Custody No:	6883	Date Received:	04-28-09
Sample Matrix:	Soil	Date Extracted:	04-30-09
Preservative:	Cool	Date Analyzed:	05-01-09
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)	30.5	0.1
Total Petroleum Hydrocarbons	30.5	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: **Hughes Fed Com #1**

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT-Sides	Date Reported:	05-04-09
Laboratory Number:	49829	Date Sampled:	04-28-09
Chain of Custody:	6883	Date Received:	04-28-09
Sample Matrix:	Soil	Date Analyzed:	05-01-09
Preservative:	Cool	Date Extracted:	04-30-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	4.2	1.0
Ethylbenzene	2.4	1.0
p,m-Xylene	11.6	1.2
o-Xylene	4.7	0.9
Total BTEX	22.9	

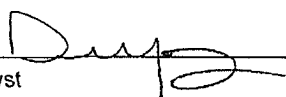
ND - Parameter not detected at the stated detection limit.

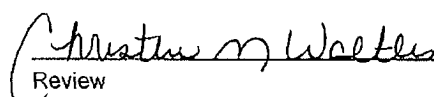
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Hughes Fed Com #1


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT-Bottom	Date Reported:	05-04-09
Laboratory Number:	49830	Date Sampled:	04-28-09
Chain of Custody:	6883	Date Received:	04-28-09
Sample Matrix:	Soil	Date Analyzed:	05-01-09
Preservative:	Cool	Date Extracted:	04-30-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.0	0.9
Toluene	3.5	1.0
Ethylbenzene	1.9	1.0
p,m-Xylene	6.2	1.2
o-Xylene	3.3	0.9
Total BTEX	16.9	

ND - Parameter not detected at the stated detection limit

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	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: Hughes Fed Com #1

Analyst

Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT - Sides	Date Reported:	05-05-09
Laboratory Number:	49829	Date Sampled:	04-28-09
Chain of Custody No:	6883	Date Received:	04-28-09
Sample Matrix:	Soil	Date Extracted:	05-01-09
Preservative:	Cool	Date Analyzed:	05-01-09
Condition:	Intact	Analysis Needed:	TPH-418.1

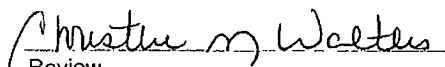
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	ND	7.8

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: Hughes Fed Com #1.

Analyst 

Review 



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT - Bottom	Date Reported:	05-05-09
Laboratory Number:	49830	Date Sampled:	04-28-09
Chain of Custody No:	6883	Date Received:	04-28-09
Sample Matrix:	Soil	Date Extracted:	05-01-09
Preservative:	Cool	Date Analyzed:	05-01-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	213	7.8

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: Hughes Fed Com #1.

Analyst

Review



Chloride

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT - Sides	Date Reported:	05-07-09
Lab ID#:	49829	Date Sampled:	04-28-09
Sample Matrix:	Soil	Date Received:	04-28-09
Preservative:	Cool	Date Analyzed:	05-07-09
Condition:	Intact	Chain of Custody:	6883

Parameter	Concentration (mg/Kg)
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Total Chloride

72

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: Hughes Fed Com #1

Analyst

Review



Chloride

Client:	Energen	Project #:	03022-0001
Sample ID:	BGT - Bottom	Date Reported:	05-07-09
Lab ID#:	49830	Date Sampled:	04-28-09
Sample Matrix:	Soil	Date Received:	04-28-09
Preservative:	Cool	Date Analyzed:	05-07-09
Condition:	Intact	Chain of Custody:	6883

Parameter	Concentration (mg/Kg)
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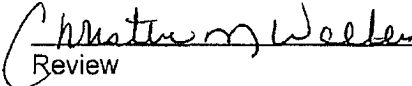
Total Chloride

58

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: Hughes Fed Com #1


Analyst


Review

Ed Hasely

From: Ed Hasely
Sent: Wednesday, April 15, 2009 8:18 AM
To: 'Powell, Brandon, EMNRD'
Cc: Billy Stalcup; Bert Thomas
Subject: RE: Below Grade Tank Closure Notification - Hughes Fed Com #1

During the closure of the subject below grade tank, impacted soils were discovered underneath the tank. The impacted soils were excavated and we are currently waiting on analytical results to verify a "clean" closure. The impacted soils will be hauled to commercial disposal and the excavation will be backfilled w/ clean soils.

I will follow up w/ a C-141 and a C-144 closure report. Please let me know if you have any questions.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Monday, March 30, 2009 1:30 PM
To: 'Powell, Brandon, EMNRD'
Cc: Billy Stalcup
Subject: Below Grade Tank Closure Notification - Hughes Fed Com #1

Brandon - This note is to provide you w/ notification that Energen plans to close the below mentioned below grade tank in the near future. Please let me know if you have any questions. Thanks.

LeaseName	LeaseUserID	AFENumber	Status	County	UserField1	Section	Towns
HUGHES FEDERAL COM 1 DK	3128898A	SJ06-155	PROD	RIO ARRIBA, NM	O	7	24N

Ed Hasely
Energen Resources Corporation

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

4/15/2009