

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: McCroden B #3A (API # 3003924062)	Facility Type: Gas Well

Surface Owner: Fee	Mineral Owner: Fee	Lease No. Fee
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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
I	4	25N	3W	1850	South	1140	East	Rio Arriba

Latitude 36.42234

Longitude -107.14400

NATURE OF RELEASE

Type of Release: Produced Fluids	Volume of Release: Unknown	Volume Recovered: 0 bbls
Source of Release: Unknown	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 8/17/10
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - NMOCD	
By Whom? Ed Hasely	Date and Hour: 8/17/10, 3:47 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

RCUD SEP 22 '10

OIL CONS. DIV.
DIST. 3


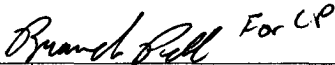
If a Watercourse was Impacted, Describe Fully.* NA

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 possible 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: 	OIL CONSERVATION DIVISION	
Printed Name: Ed Hasely	Approved by District Supervisor:  For CP	
Title: Sr. Environmental Engineer	Approval Date: 9/22/10	Expiration Date:
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9/17/10 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

WBP1026536104



Chloride

Client:	Energen Resources	Project #:	03022-0168
Sample ID:	McCroden B 3A Sides	Date Reported:	08-20-10
Lab ID#:	55606	Date Sampled:	08-18-10
Sample Matrix:	Soil	Date Received:	08-18-10
Preservative:	Cool	Date Analyzed:	08-20-10
Condition:	Intact	Chain of Custody:	10215

Parameter	Concentration (mg/Kg)
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Total Chloride

80

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: Schmitz BGTs


Analyst


Review



Chloride

Client:	Energen Resources	Project #:	03022-0168
Sample ID:	McCroden B 3A Bottom	Date Reported:	08-20-10
Lab ID#:	55607	Date Sampled:	08-18-10
Sample Matrix:	Soil	Date Received:	08-18-10
Preservative:	Cool	Date Analyzed:	08-20-10
Condition:	Intact	Chain of Custody:	10215

Parameter	Concentration (mg/Kg)
Total Chloride	95

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: **Schmitz BGTs**


Analyst


Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

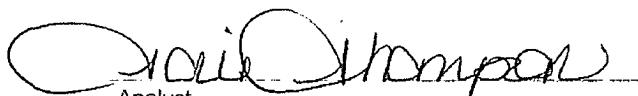
Client:	Energen Resources	Project #:	03022-0168
Sample ID:	McCroden B 3A Sides	Date Reported:	08-20-10
Laboratory Number:	55606	Date Sampled:	08-18-10
Chain of Custody No:	10215	Date Received:	08-18-10
Sample Matrix:	Soil	Date Extracted:	08-19-10
Preservative:	Cool	Date Analyzed:	08-19-10
Condition:	Intact	Analysis Needed:	TPH-418.1


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	25.3	23.8

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: Schmitz BGTs


Analyst


Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS


Client:	Energen Resources	Project #:	03022-0168
Sample ID:	McCroden B 3A Bottom	Date Reported:	08-20-10
Laboratory Number:	55607	Date Sampled:	08-18-10
Chain of Custody No:	10215	Date Received:	08-18-10
Sample Matrix:	Soil	Date Extracted:	08-19-10
Preservative:	Cool	Date Analyzed:	08-19-10
Condition:	Intact	Analysis Needed:	TPH-418.1

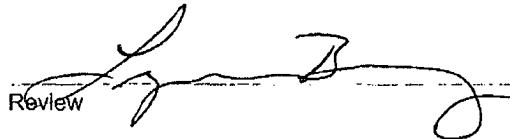
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	81.9	23.8

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: Schmitz BGTs


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0168
Sample ID:	McCroden B 3A Sides	Date Reported:	08-20-10
Laboratory Number:	55606	Date Sampled:	08-18-10
Chain of Custody:	10215	Date Received:	08-18-10
Sample Matrix:	Soil	Date Analyzed:	08-20-10
Preservative:	Cool	Date Extracted:	08-20-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	2.3	1.0
Ethylbenzene	1.7	1.0
p,m-Xylene	3.7	1.2
o-Xylene	4.5	0.9
Total BTEX	12.2	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	103 %
	1,4-difluorobenzene	106 %
	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: Schmitz BGTs

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0168
Sample ID:	McCroden B 3A Bottom	Date Reported:	08-20-10
Laboratory Number:	55607	Date Sampled:	08-18-10
Chain of Custody:	10215	Date Received:	08-18-10
Sample Matrix:	Soil	Date Analyzed:	08-20-10
Preservative:	Cool	Date Extracted:	08-20-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	21.9	1.0
Ethylbenzene	7.7	1.0
p,m-Xylene	60.5	1.2
o-Xylene	18.1	0.9
Total BTEX	108	

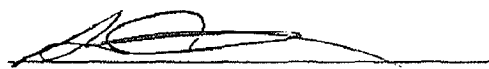
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	103 %
	1,4-difluorobenzene	108 %
	Bromochlorobenzene	98.6 %

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: Schmitz BGTs


Analyst


Review



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

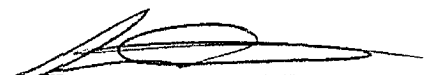
Client:	Energen Resources	Project #:	03022-0168
Sample ID:	McCroden B 3A Sides	Date Reported:	08-20-10
Laboratory Number:	55606	Date Sampled:	08-18-10
Chain of Custody No:	10215	Date Received:	08-18-10
Sample Matrix:	Soil	Date Extracted:	08-20-10
Preservative:	Cool	Date Analyzed:	08-20-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.8	0.1
Total Petroleum Hydrocarbons	0.8	0.2

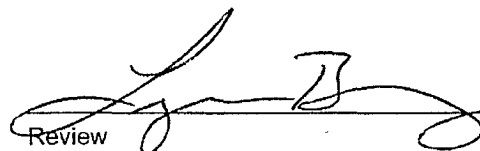
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Schmitz BGTs**



Analyst



Review



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


Client:	Energen Resources	Project #:	03022-0168
Sample ID:	McCroden B 3A Bottom	Date Reported:	08-20-10
Laboratory Number:	55607	Date Sampled:	08-18-10
Chain of Custody No:	10215	Date Received:	08-18-10
Sample Matrix:	Soil	Date Extracted:	08-20-10
Preservative:	Cool	Date Analyzed:	08-20-10
Condition:	Intact	Analysis Requested:	8015 TPH

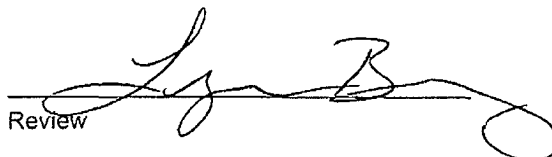
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.4	0.2
Diesel Range (C10 - C28)	2.5	0.1
Total Petroleum Hydrocarbons	2.9	0.2

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: **Schmitz BGTs**


Analyst


Review

Ed Hasely

From: Ed Hasely
Sent: Tuesday, August 17, 2010 3:47 PM
To: 'Powell, Brandon, EMNRD'
Subject: FW: BGT Notifications - Schmitz Wells

The soils beneath the BGT on the McCroden B #3A were visually impacted. Per the Pit Rule, this is an indication of a possible past release. We will proceed per 19.15.29 and 19.15.30.

Ed Hasely Energen Resources Corporation

From: Ed Hasely
Sent: Tuesday, August 10, 2010 7:27 AM
To: 'Powell, Brandon, EMNRD'
Subject: BGT Notifications - Schmitz Wells

Brandon – this is to notify you that Energen plans to close the below grade tanks that are located on the following locations:

McCroden B #3A	Unit Letter I, Sec. 4 – T25N – R3W
Ruddock #7	Unit Letter E, Sec. 3 – T25N – R3W
Ruddock #9	Unit Letter C, Sec. 2 – T25N – R3W

Let me know if you have any questions.

Ed Hasely Energen Resources Corporation

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