

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: Kellie Campbell	
Address: 2010 Afton Place, Farmington, NM 87401		Telephone No: 505-324-4152	
Facility Name: Carson SWD #1 (API # - 3003926868)		Facility Type: Salt Water Disposal Facility	
Surface Owner: Fee		Mineral Owner: NA	Lease No. NA

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	26	30N	4W	895	North	705	West	Rio Arriba

Latitude 36.78750

Longitude -107.23030

NATURE OF RELEASE

Type of Release: Condensate	Volume of Release: 20 bbls - Condensate	Volume Recovered: 18 bbls
Source of Release: Over flow from skimmer tank	Date and Hour of Occurrence: 3/15/11	Date and Hour of Discovery: 3/15/11
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: 3/16/11 at 1:15 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA RCVD APR 18 '11	

If a Watercourse was Impacted, Describe Fully.* NA

OIL CONS. DIV.

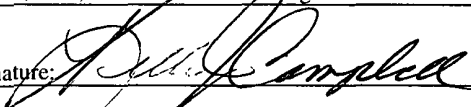
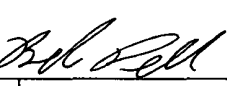
DIST. 3

Describe Cause of Problem and Remedial Action Taken.*

Water hauler picked up load of oil instead of produced water. When it was delivered to the SWD, the skimmer tank overflowed from the volume of oil. Release was confined to secondary containment..

Describe Area Affected and Cleanup Action Taken.* A vacuum truck was used to recover the standing liquids from inside the bermed area. Impacted gravel and soil were removed and transported to a commercial disposal facility. Samples were collected from the excavation and sent to a laboratory for analysis.

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: Kellie J. Campbell		Approved by District Supervisor: 	
Title: Safety & Environmental Coordinator		Approval Date: 4-18-11	Expiration Date:
E-mail Address: kellie.campbell@energen.com		Conditions of Approval:	
Date: April 15, 2011 Phone: 505-324-4152		nJK1122429494	
		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

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

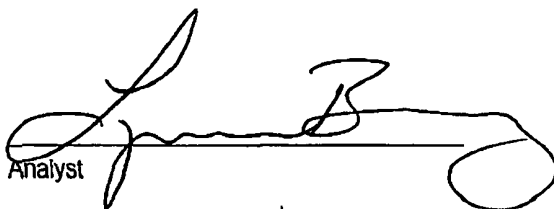
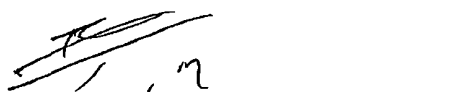
Client:	Energen	Project #:	03022-0168
Sample ID:	040111	Date Reported:	04-05-11
Laboratory Number:	57778	Date Sampled:	04-01-11
Chain of Custody No:	11461	Date Received:	04-01-11
Sample Matrix:	Soil	Date Extracted:	04-01-11
Preservative:	Cool	Date Analyzed:	04-04-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	13.4	0.1
Total Petroleum Hydrocarbons	13.4	

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: **Carson SWD #1**


Analyst
Review

Client:	Energen	Project #:	03022-0168
Sample ID:	040111	Date Reported:	04-05-11
Laboratory Number:	57778	Date Sampled:	04-01-11
Chain of Custody:	11461	Date Received:	04-01-11
Sample Matrix:	Soil	Date Analyzed:	04-04-11
Preservative:	Cool	Date Extracted:	04-01-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

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.

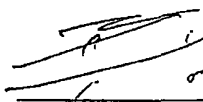
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	109 %
	1,4-difluorobenzene	105 %
	Bromochlorobenzene	92.3 %

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: Carson SWD #1


 Analyst


 Review

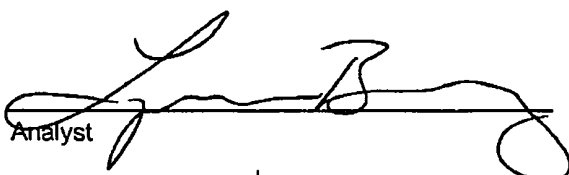
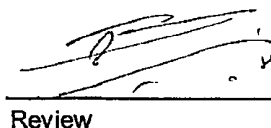
Client:	Energen	Project #:	03022-0168
Sample ID:	040111	Date Reported:	04/05/11
Laboratory Number:	57778	Date Sampled:	04/01/11
Chain of Custody No:	11461	Date Received:	04/01/11
Sample Matrix:	Soil	Date Extracted:	04/04/11
Preservative:	Cool	Date Analyzed:	04/04/11
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	440	10.7

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: **Carson SWD #1**



Analyst
Review

Client:	Energen	Project #:	03022-0168
Sample ID:	040111	Date Reported:	04/05/11
Lab ID#:	57778	Date Sampled:	04/01/11
Sample Matrix:	Soil	Date Received:	04/01/11
Preservative:	Cool	Date Analyzed:	04/04/11
Condition:	Intact	Chain of Custody:	11461

Parameter	Concentration (mg/Kg)
Total Chloride	100

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: **Carson SWD #1**


Analyst
Review

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

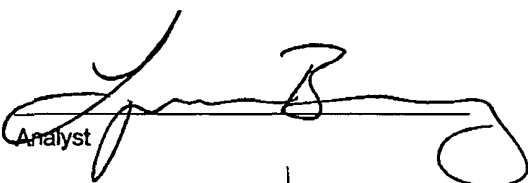
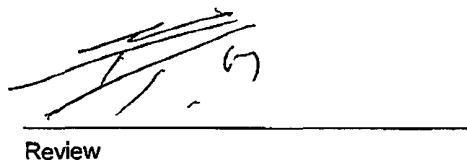
Client:	Energen	Project #:	03022-0168
Sample ID:	040111-01	Date Reported:	04-05-11
Laboratory Number:	57777	Date Sampled:	04-01-11
Chain of Custody No:	11460	Date Received:	04-01-11
Sample Matrix:	Soil	Date Extracted:	04-01-11
Preservative:	Cool	Date Analyzed:	04-04-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	5.4	0.1
Total Petroleum Hydrocarbons	5.4	

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: **Carson SWD #1**


Analyst
Review

Client:	Energen	Project #:	03022-0168
Sample ID:	040111-01	Date Reported:	04-05-11
Laboratory Number:	57777	Date Sampled:	04-01-11
Chain of Custody:	11460	Date Received:	04-01-11
Sample Matrix:	Soil	Date Analyzed:	04-04-11
Preservative:	Cool	Date Extracted:	04-01-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

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.

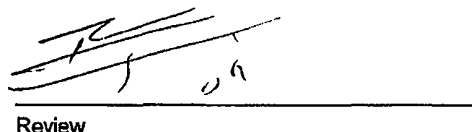
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	92.2 %
	1,4-difluorobenzene	97.1 %
	Bromochlorobenzene	89.4 %

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: Carson SWD #1

Analyst 

Review 




Client:	Energen	Project #:	03022-0168
Sample ID:	040111-01	Date Reported:	04/05/11
Laboratory Number:	57777	Date Sampled:	04/01/11
Chain of Custody No:	11460	Date Received:	04/01/11
Sample Matrix:	Soil	Date Extracted:	04/04/11
Preservative:	Cool	Date Analyzed:	04/04/11
Condition:	Intact	Analysis Needed:	TPH-418.1

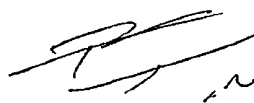
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	121	10.7

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: **Carson SWD #1**


Analyst

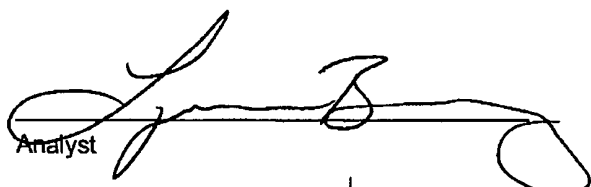

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Client:	Energen	Project #:	03022-0168
Sample ID:	040111-01	Date Reported:	04/05/11
Lab ID#:	57777	Date Sampled:	04/01/11
Sample Matrix:	Soil	Date Received:	04/01/11
Preservative:	Cool	Date Analyzed:	04/04/11
Condition:	Intact	Chain of Custody:	11460

Parameter	Concentration (mg/Kg)
Total Chloride	110

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: **Carson SWD #1**

Analyst 



Review