

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

30-039-21418

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: Arco Little Fed 32 #1 (API # - 3003921418)	Facility Type: Oil/Gas Well Site	
Surface Owner: Fee	Mineral Owner: Federal	Lease No. NM - 28715

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	32	24N	3W	970	North	790	West	Rio Arriba

Latitude 36.27140

Longitude -107.18555

NATURE OF RELEASE

Type of Release: Produced Oil	Volume of Release: 15 bbls	Volume Recovered: 10 bbls
Source of Release: Above Ground Steel Production Pit	Date and Hour of Occurrence: 2/7/12	Date and Hour of Discovery: 2/7/12; 10 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell - OCD Mark Kelly - BLM	
By Whom? Ed Hasely	Date and Hour: 2/7/12 at 3:50 pm (OCD) ; 2/8/12 at 10 am (BLM)	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

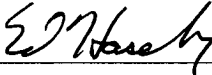
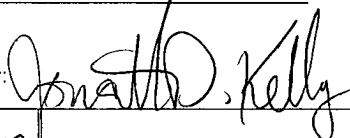
If a Watercourse was Impacted, Describe Fully.* NA

RCVD FEB 21 '12
OIL CONS. DIV.
DIST. 3

Describe Cause of Problem and Remedial Action Taken.* The oil dump line froze causing the oil to be discharged to the above ground steel pit. A hole in the steel pit allowed the fluid to leak into the bermed area. All fluids were contained inside the bermed area.

Describe Area Affected and Cleanup Action Taken.* A vacuum truck was used to recover the free standing oil. The impacted soils were excavated (approx. 25' x 25' x 6') and properly disposed at an approved facility. The excavation was then backfilled with clean soils. The steel pit was replaced. The area is needed for operations of the well.

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: 2/27/2012 Expiration Date:	
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 2/17/12 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

NJK 1265852722



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

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	02-14-12
Laboratory Number:	61116	Date Sampled:	02-09-12
Chain of Custody No:	13388	Date Received:	02-09-12
Sample Matrix:	Soil	Date Extracted:	02-10-12
Preservative:	Cool	Date Analyzed:	02-13-12
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)	3.4	0.1
Total Petroleum Hydrocarbons	3.4	

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: **Arco Little Fed 32-1 Spill**


Analyst


Review



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

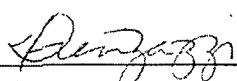
Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	02-14-12
Laboratory Number:	61117	Date Sampled:	02-09-12
Chain of Custody No:	13388	Date Received:	02-09-12
Sample Matrix:	Soil	Date Extracted:	02-10-12
Preservative:	Cool	Date Analyzed:	02-13-12
Condition:	Intact	Analysis 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	

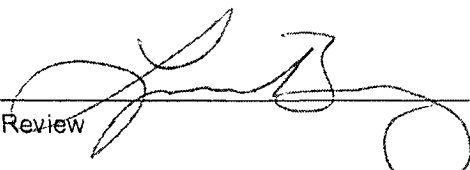
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References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Arco Little Fed 32-1 Spill**



Analyst



Review

Client:	Energen Resources	Project #:	03022-0001
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Chain of Custody:	13388	Date Received:	02-09-12
Sample Matrix:	Soil	Date Analyzed:	02-15-12
Preservative:	Cool	Date Extracted:	02-10-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

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	87.0 %
	1,4-difluorobenzene	95.0 %
	Bromochlorobenzene	84.7 %

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: Arco Little Fed 32-1 Spill

Analyst

Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	02-16-12
Laboratory Number:	61117	Date Sampled:	02-09-12
Chain of Custody:	13388	Date Received:	02-09-12
Sample Matrix:	Soil	Date Analyzed:	02-15-12
Preservative:	Cool	Date Extracted:	02-10-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

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	87.2 %
	1,4-difluorobenzene	94.1 %
	Bromochlorobenzene	98.2 %

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: Arco Little Fed 32-1 Spill

Analyst

Review

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	02-15-12
Lab ID#:	61116	Date Sampled:	02-09-12
Sample Matrix:	Soil	Date Received:	02-09-12
Preservative:	Cool	Date Analyzed:	02-13-12
Condition:	Intact	Chain of Custody:	13388

Parameter**Concentration (mg/Kg)****Total Chloride****320**

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: **Arco Little Fed 32-1 Spill**

Analyst

Review

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	02-15-12
Lab ID#:	61117	Date Sampled:	02-09-12
Sample Matrix:	Soil	Date Received:	02-09-12
Preservative:	Cool	Date Analyzed:	02-13-12
Condition:	Intact	Chain of Custody:	13388

Parameter	Concentration (mg/Kg)
Total Chloride	270

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: **Arco Little Fed 32-1 Spill**



Analyst



Review



RCVD FEB 21 '12
OIL CONS. DIV.
DIST. 3

February 17, 2012

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410
Attn: Brandon Powell

Re: **Arco Little Federal 31 #1**
Final Release Report Submittal

Dear Mr. Powell:

Enclosed is the final Release Notification and Corrective Action (C-141) Form for the release on the subject well location.

If there are any questions or concerns with this submittal, please contact me at 505-324-4131.

Sincerely,

A handwritten signature in black ink, appearing to read "Ed Hasely".

Ed Hasely
Sr. Environmental Engineer
Energen Resources

Attachment: Final C-141
Lab Analysis

Cc: BLM
HSE File
Facility File
Correspondence