

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

30-039-21965

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: Jicarilla 67 #15	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla Apache Tribe	Mineral Owner: Jicarilla Apache Tribe	Lease No. Jicarilla Apache 67
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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
G	30	25N	5W	1500	North	1520	West	Rio Arriba

Latitude 36.37423

Longitude -107.39699

NATURE OF RELEASE

Type of Release: Oil and Water Spill	Volume of Release: 3 bbls – Oil 15 bbls – Produced Water	Volume Recovered: 0 bbls
Source of Release: Produced Water Pit Tank	Date and Hour of Occurrence: 3/6/08	Date and Hour of Discovery: 3/7/08
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? NA	
By Whom? NA	Date and Hour: NA	
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

RCUD MAY 21 '08
OIL CONS. DIV.
DIST. 3


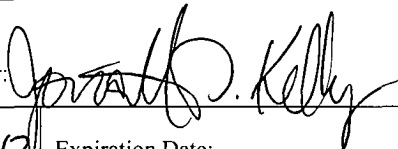
Describe Cause of Problem and Remedial Action Taken.*

Due to the condition of the roads, the location was inaccessible and the produced water pit tank overflowed. All fluids were contained inside the bermed area. Upon discovery, no free standing liquids were able to be recovered.

Describe Area Affected and Cleanup Action Taken.*

Impacted soils were excavated (approx. 20' x 50' x 11' deep) and transported (total of 432 cubic yards) to a commercial disposal facility. Once the impacted soil was removed, samples were collected from the excavation and sent to a laboratory for analysis. The analyses showed that the samples of the remaining soils in the excavation were below 100 ppm TPH. The excavation was backfilled with clean soil approved by the Jicarilla. The lab analyses are included with this submittal.

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: 05/19/08 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

nJK 1205834240

May 19, 2008

RCVD MAY 21 '08
OIL CONS. DIV.

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

DIST. 3

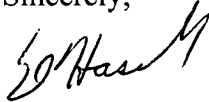
Re: **Jicarilla 67 #15**
FINAL Release Report Submittal

Dear Mr. Powell:

Enclosed is the final Release Notification and Corrective Action (C-141) Form for the release on the Jicarilla 67 #15 well location. The initial C-141 for this release was submitted on March 12, 2008. I was waiting on final tickets from the commercial disposal facility before submitting the final report.

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

Sincerely,



Ed Hasely
Sr. Environmental Engineer
Energen Resources

Attachment: Final C-141
Lab Reports

Cc: Bert Thomas
Anna Stotts
BLM
Jicarilla EPO
Jicarilla Oil and Gas
HSE File
Facility File
Correspondence

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

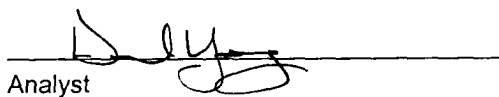
Client:	Energen Resources	Project #:	03022-001
Sample ID:	03310801 <u>Frontwell</u>	Date Reported:	04-02-08
Laboratory Number:	44705	Date Sampled:	03-31-08
Chain of Custody No:	4096	Date Received:	03-31-08
Sample Matrix:	Soil	Date Extracted:	03-31-08
Preservative:	Cool	Date Analyzed:	04-01-08
Condition:	Cool & Intact	Analysis Requested:	8015 TPH

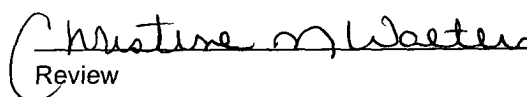
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	3.5	0.1
Total Petroleum Hydrocarbons	3.5	0.2

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: **Jic 67 #15.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-001
Sample ID:	Back	Date Reported:	03-26-08
Laboratory Number:	44615	Date Sampled:	03-20-08
Chain of Custody No:	4060	Date Received:	03-20-08
Sample Matrix:	Soil	Date Extracted:	03-24-08
Preservative:		Date Analyzed:	03-26-08
Condition:	Intact	Analysis Requested:	8015 TPH

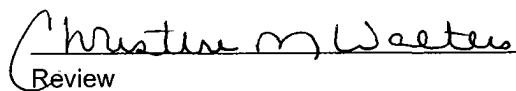
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Jicarilla 67-15.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-001
Sample ID:	Left Side	Date Reported:	03-26-08
Laboratory Number:	44616	Date Sampled:	03-20-08
Chain of Custody No:	4060	Date Received:	03-20-08
Sample Matrix:	Soil	Date Extracted:	03-24-08
Preservative:		Date Analyzed:	03-26-08
Condition:	Intact	Analysis Requested:	8015 TPH

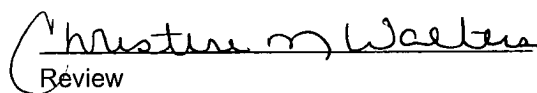
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Jicarilla 67-15.**


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Energen	Project #:	03022-001
Sample ID:	Right Side	Date Reported:	03-26-08
Laboratory Number:	44617	Date Sampled:	03-20-08
Chain of Custody No:	4060	Date Received:	03-20-08
Sample Matrix:	Soil	Date Extracted:	03-24-08
Preservative:		Date Analyzed:	03-26-08
Condition:	Intact	Analysis Requested:	8015 TPH

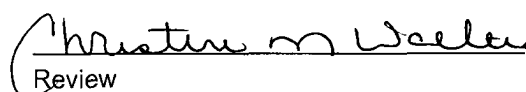
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Jicarilla 67-15.**


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

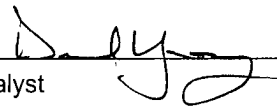
Client:	Energen	Project #:	03022-001
Sample ID:	Bottom	Date Reported:	03-26-08
Laboratory Number:	44618	Date Sampled:	03-20-08
Chain of Custody No:	4060	Date Received:	03-20-08
Sample Matrix:	Soil	Date Extracted:	03-24-08
Preservative:		Date Analyzed:	03-26-08
Condition:	Intact	Analysis Requested:	8015 TPH

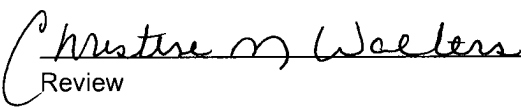
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Jicarilla 67-15.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-001
Sample ID:	03310801 <i>Front Wall</i>	Date Reported:	04-01-08
Laboratory Number:	44705	Date Sampled:	03-31-08
Chain of Custody:	4096	Date Received:	03-31-08
Sample Matrix:	Soil	Date Analyzed:	04-01-08
Preservative:	Cool	Date Extracted:	03-31-08
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	

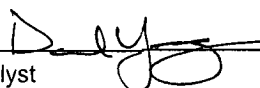
ND - Parameter not detected at the stated detection limit.

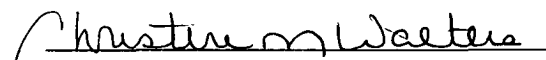
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Jic 67 #15.


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-001
Sample ID:	Back	Date Reported:	03-26-08
Laboratory Number:	44615	Date Sampled:	03-20-08
Chain of Custody:	4060	Date Received:	03-20-08
Sample Matrix:	Soil	Date Analyzed:	03-26-08
Preservative:		Date Extracted:	03-24-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	4.1	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	20.1	1.2
o-Xylene	5.6	0.9
Total BTEX	29.8	

ND - Parameter not detected at the stated detection limit.

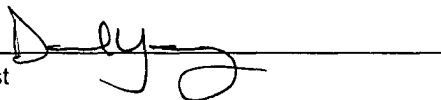
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

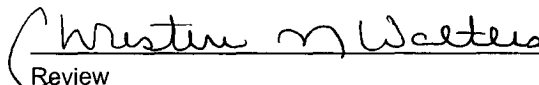
Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla 67-15.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-001
Sample ID:	Left Side	Date Reported:	03-26-08
Laboratory Number:	44616	Date Sampled:	03-20-08
Chain of Custody:	4060	Date Received:	03-20-08
Sample Matrix:	Soil	Date Analyzed:	03-26-08
Preservative:		Date Extracted:	03-24-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	7.2	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	20.2	1.2
o-Xylene	5.7	0.9
Total BTEX	33.1	

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: Jicarilla 67-15.

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-001
Sample ID:	Right Side	Date Reported:	03-26-08
Laboratory Number:	44617	Date Sampled:	03-20-08
Chain of Custody:	4060	Date Received:	03-20-08
Sample Matrix:	Soil	Date Analyzed:	03-26-08
Preservative:		Date Extracted:	03-24-08
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.

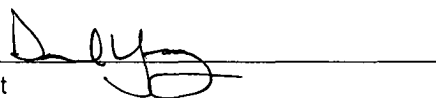
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

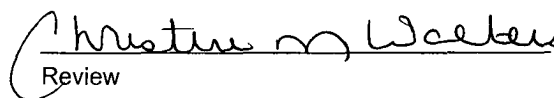
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Comments: Jicarilla 67-15.

Analyst



Review



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-001
Sample ID:	Bottom	Date Reported:	03-26-08
Laboratory Number:	44618	Date Sampled:	03-20-08
Chain of Custody:	4060	Date Received:	03-20-08
Sample Matrix:	Soil	Date Analyzed:	03-26-08
Preservative:		Date Extracted:	03-24-08
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	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: Jicarilla 67-15.

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Review

