

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

API # 30-045-24987

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: City of Farmington #1E	Facility Type: Oil/Gas Well Site

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

Unit Letter O	Section 35	Township 30N	Range 13W	Feet from the 1120	North/South Line South	Feet from the 1685	East/West Line East	County San Juan
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Latitude 36.76561

Longitude -108.17142

NATURE OF RELEASE

Type of Release: Produced Fluids	Volume of Release: Unknown	Volume Recovered: 0 bbls
Source of Release: Production Pit Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 9/11/08
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input 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	

RCVD SEP 22 '08

OIL CONS. DIV.

DIST. 3

If a Watercourse was Impacted, Describe Fully.* NA
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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 309 ppm. According to the Pit Rule, any result over 100 ppm is an indication of a release.

Describe Area Affected and Cleanup Action Taken.* A risk ranking of the location revealed that the lab results are below remediation levels per Rule 116 and the "Guidelines for Remediation of Leaks, Spills and Releases". Depth to water is greater than 100 feet, distance to surface water is between 200 and 1000 feet, and it is not in a Wellhead Protection Area --- Total Ranking Score of 10, which gives a remediation level of 1000 ppm for TPH. No remediation required.

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: <i>Ed Hasely</i> For: <i>Charlie Perrin</i>		
Title: Sr. Environmental Engineer	Approval Date: 9/22/08	Expiration Date:	
E-mail Address: ed.hasely@energen.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 9/12/08 Phone: 505-324-4131 / 505-330-3584(cell)			

* Attach Additional Sheets If Necessary

Incident # NMD 0928149496

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Energen Res	Project #:	03022-0001
Sample ID:	City of Farmington #1E	Date Reported:	09-09-08
Laboratory Number:	47017	Date Sampled:	09-02-08
Chain of Custody:	5183	Date Received:	09-02-08
Sample Matrix:	Soil	Date Analyzed:	09-09-08
Preservative:	Cool	Date Extracted:	09-08-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.3	0.9
Toluene	2.6	1.0
Ethylbenzene	2.5	1.0
p,m-Xylene	14.0	1.2
o-Xylene	5.8	0.9
Total BTEX	26.2	

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: City of Farmington #1E

Analyst

Review

Client:	N/A	Project #:	N/A
Sample ID:	09-09-BT QA/QC	Date Reported:	09-09-08
Laboratory Number:	47017	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-09-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect. Limit
		Accept Range 0 - 15%			
Benzene	7.4922E+007	7.5072E+007	0.2%	ND	0.1
Toluene	5.3517E+007	5.3624E+007	0.2%	ND	0.1
Ethylbenzene	4.2797E+007	4.2883E+007	0.2%	ND	0.1
p,m-Xylene	8.9921E+007	9.0101E+007	0.2%	ND	0.1
o-Xylene	4.1934E+007	4.2018E+007	0.2%	ND	0.1

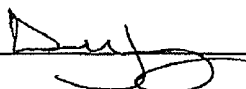
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	1.3	1.4	7.7%	0 - 30%	0.9
Toluene	2.6	2.9	11.5%	0 - 30%	1.0
Ethylbenzene	2.5	2.7	8.0%	0 - 30%	1.0
p,m-Xylene	14.0	14.1	0.7%	0 - 30%	1.2
o-Xylene	5.8	6.0	3.4%	0 - 30%	0.9

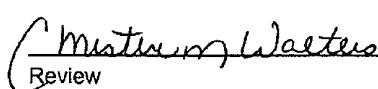
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	1.3	50.0	50.9	99.2%	39 - 150
Toluene	2.6	50.0	50.6	96.2%	46 - 148
Ethylbenzene	2.5	50.0	49.5	94.3%	32 - 160
p,m-Xylene	14.0	100	109	95.6%	46 - 148
o-Xylene	5.8	50.0	50.8	91.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 47017 - 47020 and 47051 - 47052.

Analyst 

Review 

Client:	Energen Res	Project #:	03022-0001
Sample ID:	City of Farmington #1E	Date Reported:	09-11-08
Laboratory Number:	47017	Date Sampled:	09-02-08
Chain of Custody No:	5183	Date Received:	09-02-08
Sample Matrix:	Soil	Date Extracted:	09-09-08
Preservative:	Cool	Date Analyzed:	09-09-08
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	309	5.0

ND = Parameter not detected at the stated detection limit.

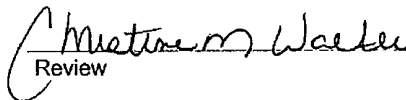
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: City of Farmington #1E.

Analyst



Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	09-11-08
Laboratory Number:	09-05-TPH.QA/QC 46985	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	09-09-08
Preservative:	N/A	Date Extracted:	09-09-08
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	08-22-08	09-09-08	1,680	1,590	5.4%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	17.5

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	309	329	6.5%	+/- 30%

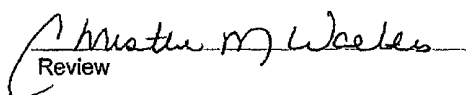
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	309	2,000	2,150	93.1%	80 - 120%

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: QA/QC for Samples 47017 - 47020, 47052 and 47097.

Analyst 

Review 

Chloride

Client:	Energen Res	Project #:	03022-0001
Sample ID:	City of Farmington #1E	Date Reported:	09-11-08
Lab ID#:	47017	Date Sampled:	09-02-08
Sample Matrix:	Soil	Date Received:	09-02-08
Preservative:	Cool	Date Analyzed:	09-10-08
Condition:	Intact	Chain of Custody:	5183

Parameter	Concentration (mg/Kg)
Total Chloride	29.0

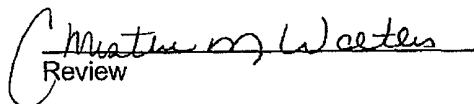
Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: City of Farmington #1E.

Analyst



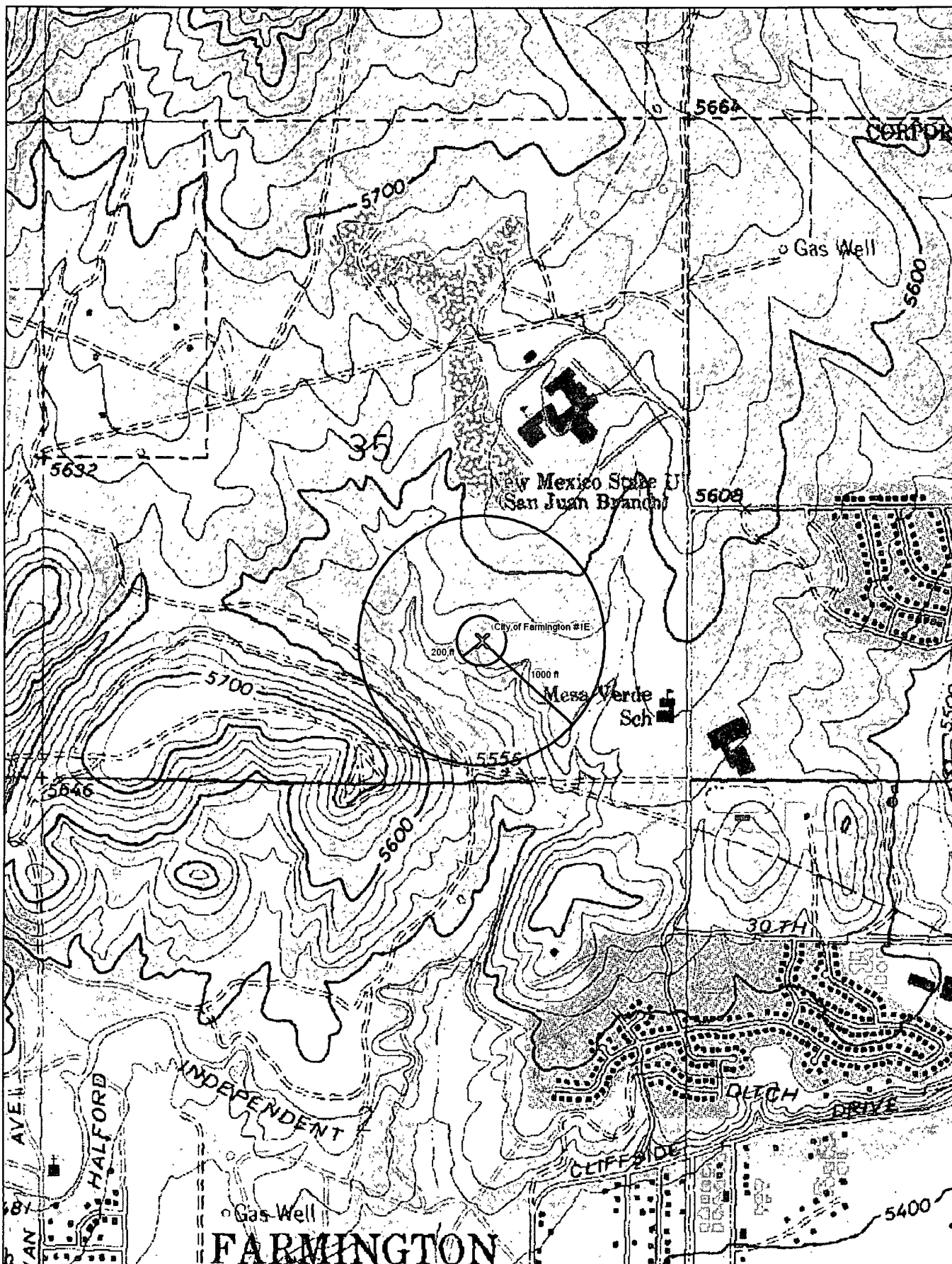
Review



CHAIN OF CUSTODY RECORD

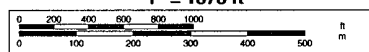
5183

Client: Energen Res			Project Name / Location: City of Farmington # 1E			ANALYSIS / PARAMETERS													
Client Address:			Sampler Name: Jason Peace			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: 325-6800			Client No.: 03022-0001																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative H ₂ O ₂ HCl													
# 1E City of Farmington	9-2-08	12PM	47017	Soil Solid	1-4oz										X	X			X
				Soil Solid															
				Soil Solid															
				Soil Solid															
				Soil Solid															
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				Soil Solid															
				Soil Solid															
				Soil Solid															
Relinquished by: (Signature) Eugene Burbank			Date 9-2-08	Time 4:04	Received by: (Signature) Kendall Agustin			Date 9/2/08			Time 4:04p								
Relinquished by: (Signature)					Received by: (Signature)														
Relinquished by: (Signature)					Received by: (Signature)														
<div style="display: flex; justify-content: space-between; align-items: center;"> Send to Ed Hasley <div style="text-align: center;"> ENVIROTECH INC. 5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615 </div> </div>																			



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Scale 1 : 12,800
1" = 1070 ft



September 12, 2008

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



Re: **City of Farmington #1E**
C-141 Submittal
Below Grade Tank Closure – Release Notification

Dear Mr. Powell:

Enclosed is the final C-141 Form for the possible release identified during a Below-Grade Tank closure on the subject well location.

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

Attachments: Final C-141
Lab Reports
Topo Map

Cc: HSE File
Facility File
Correspondence