

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: Jicarilla 96 #9 (30-039-82347)	Facility Type: Oil/Gas Well Site	
Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 96

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	2	26N	3W	890	South	1750	East	Rio Arriba

Latitude 36.51082

Longitude -107.10993

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: 5/13/10
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD – Brandon Powell, Jicarilla EPO – Dixon Sandoval	
By Whom? Ed Hasely	Date and Hour: 5/13/10, 3 pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

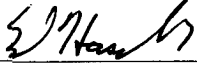
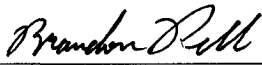
If a Watercourse was Impacted, Describe Fully.* NA

Describe Cause of Problem and Remedial Action Taken.*

Soils underneath the tank during the below-grade tank closure were tested and the results were over 100 ppm TPH. According to the Pit Rule, this is an indication of a release.

Describe Area Affected and Cleanup Action Taken.* Approximately 40 cubic yards of soil were excavated. Samples were collected after excavation and results were acceptable (see attached). The impacted soils were taken to an approved disposal facility.

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: <u>UP</u>	
Title: Sr. Environmental Engineer	Approval Date: 9/28/10	Expiration Date:
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 6/3/10 Phone: 505-324-4131 / 505-330-3584(cell)		

* Attach Additional Sheets If Necessary

18P1027141308

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Client: Energex**envirotech**
(505) 632-0815 (800) 362-1879
5706 U.S. Hwy 64, Farmington, NM 87401

Location No:

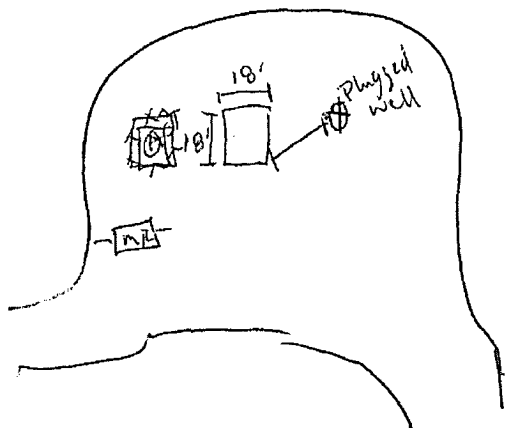
C.O.C. No:

FIELD REPORT: SPILL CLOSURE VERIFICATIONPAGE NO: 1 OF 1LOCATION: NAME: Jicarilla 96 WELL #: 9
QUAD/UNIT: 0 SEC: 2 TWP: 26N RNG: 034PM: NM CNTY: RAST: NM
PTR/FOOTAGE: 890' FSL & 1750' FEL CONTRACTOR: EnergexDATE STARTED: 5/19/10DATE FINISHED: 5/19/10

ENVIRONMENTAL

SPECIALIST: TCMEXCAVATION APPROX: 18 FT. X 18 FT. X 10' FT. DEEP CUBIC YARDAGE: N/ADISPOSAL FACILITY: TNTREMEDATION METHOD: LandfarmLAND USE: GrazingLEASE: N/ALAND OWNER: JicarillaCAUSE OF RELEASE: BOATMATERIAL RELEASED: Produced water / Incident 0.1PILL LOCATED APPROXIMATELY: 80 FT. 310° FROM wellheadDEPTH TO GROUNDWATER: 2100' NEAREST WATER SOURCE: 71000' NEAREST SURFACE WATER: ~215'NMOCD RANKING SCORE: 10NMOCD TPH CLOSURE STD: 1,000 PPM**OIL AND EXCAVATION DESCRIPTION:**100 Closure Due to Jicarilla Regulations 100ppm TPH + 100ppm OUApproximatelyBottom dug out approximately 2 Feet - composite sample from 4 wells & Bottom.

SAMPLE DESCRIPTION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
STD. 200	10:42						216	
Spit Composite	10:44	1	5	5	20	4	05	20

SPILL PERIMETER**OVM RESULTS****SPILL PROFILE**N/A

SAMPLE ID	FIELD HEADSPACE PID (ppm)
STD 100	100
1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES: _____ CALLED OUT: _____ ONSITE: _____



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Energen Resources	Project #:	03022-0171
Sample No.:	1	Date Reported:	5/24/2010
Sample ID:	5 pt Composite	Date Sampled:	5/19/2010
Sample Matrix:	Soil	Date Analyzed:	5/19/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	20	5.0

ND = Parameter not detected at the stated detection limit.

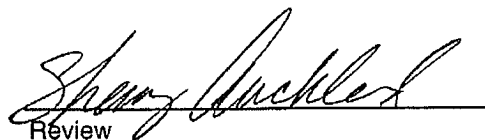
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jicarilla 96 #9**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Toni McKnight
Printed


Review

Sherry Auckland
Printed



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client: Energen
Sample ID: Composite
Laboratory Number: 54232
Chain of Custody: 9356
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Project #: 03022-0171
Date Reported: 05-20-10
Date Sampled: 05-13-10
Date Received: 05-14-10
Date Analyzed: 05-19-10
Date Extracted: 05-17-10
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	5.5	0.9
Toluene	1.6	1.0
Ethylbenzene	1.3	1.0
p,m-Xylene	2.8	1.2
o-Xylene	2.6	0.9
Total BTEX	13.8	

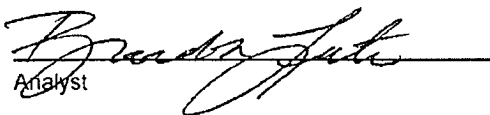
ND - Parameter not detected at the stated detection limit.

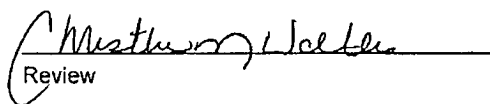
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	87.9 %
	1,4-difluorobenzene	86.9 %
	Bromochlorobenzene	98.2 %

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: BGT Closure / Jicarilla 96 #9


Analyst


Review



Chloride

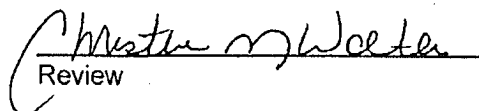
Client:	Energen	Project #:	03022-0171
Sample ID:	Composite	Date Reported:	05-19-10
Lab ID#:	54232	Date Sampled:	05-13-10
Sample Matrix:	Soil	Date Received:	05-14-10
Preservative:	Cool	Date Analyzed:	05-18-10
Condition:	Intact	Chain of Custody:	9356

Parameter	Concentration (mg/Kg)
Total Chloride	20

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: BGT Closure / Jicarilla 96 #9


Analyst


Review

Ed Hasely

From: Ed Hasely
Sent: Thursday, May 13, 2010 2:58 PM
To: 'Powell, Brandon, EMNRD'
Cc: 'Dixon Sandoval'; Billy Stalcup
Subject: RE: BGT Closure - Jicarilla 96 #9 - Potential Release Notification

Sampling beneath the below grade tank at the subject location showed soils that tested greater than 100 ppm TPH (Method 418.1). According to the pit rule, any result over 100 is an indication of a past release. The impacted soils will be excavated. I will follow up w/ a C-141 and a C-144 upon completion of the project.

Ed Hasely
Energen Resources Corporation

From: Ed Hasely
Sent: Tuesday, May 11, 2010 4:22 PM
To: 'Powell, Brandon, EMNRD'
Cc: 'Dixon Sandoval'; Billy Stalcup
Subject: BGT Closure - Jicarilla 96 #9

This email is to notify you that Energen plans to close the below grade tank on the subject location in the near future. The recently plugged well is located in Unit Letter O, Section 2 – T26N – R03W, Rio Arriba County, New Mexico. Please let me know if you have questions. Thanks.

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