

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 98 #10 (30-039-25306)	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 98
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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
M	17	26N	3W	700	South	635	West	Rio Arriba

Latitude 36.47776

Longitude -107 17353

**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: 4/13/12
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD - Brandon Powell, Jicarilla EPO - Hobson Sandoval	
By Whom? Ed Hasely	Date and Hour: 4/13/12, 4 30 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

RCVD JUN 1 '12  
OIL CONS. DIV.  
DIST. 3


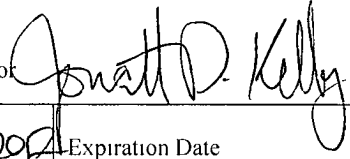
**Describe Cause of Problem and Remedial Action Taken.\***

Sampling underneath the tank during the below-grade tank closure showed Chloride results of 280 ppm According to the Pit Rule, any result over 250 ppm is an indication of a release

**Describe Area Affected and Cleanup Action Taken.\***

Groundwater is estimated over 100 feet and the well is not near surface water, therefore no remediation is necessary The area was backfilled w/ clean soils Lab analyses are attached The area is needed for operations Upon abandonment, seeding will be deferred to the BLM / Tribal requirements per the BLM / OCD MOU

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 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name Ed Hasely	Approved by District Supervisor 	
Title Sr Environmental Engineer	Approval Date. 6/04/2012	Expiration Date
E-mail Address ed.hasely@energen.com	Conditions of Approval	Attached <input type="checkbox"/>
Date 5/31/12 Phone: 505-324-4131 / 505-330-3584(cell)		

\* Attach Additional Sheets If Necessary

nJK1215637371



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jicarilla 98 #10	Date Reported:	04-10-12
Laboratory Number:	61612	Date Sampled:	04-05-12
Chain of Custody:	13689	Date Received:	04-05-12
Sample Matrix:	Soil	Date Analyzed:	04-09-12
Preservative:	Cool	Date Extracted:	04-05-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	19.5	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	18.0	10.0
o-Xylene	13.8	10.0
Total BTEX	51.2	

ND - Parameter not detected at the stated detection limit.


Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	111 %
	1,4-difluorobenzene	111 %
	Bromochlorobenzene	103 %

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 Closures

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review



EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jicarilla 98 #10	Date Reported:	04-09-12
Laboratory Number:	61612	Date Sampled:	04-05-12
Chain of Custody No:	13689	Date Received:	04-05-12
Sample Matrix:	Soil	Date Extracted:	04-05-12
Preservative:	Cool	Date Analyzed:	04-09-12
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	

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: **BGT Closures**

Analyst

Review



## Chloride

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Jicarilla 98 #10	Date Reported:	04-09-12
Lab ID#:	61612	Date Sampled:	04-05-12
Sample Matrix:	Soil	Date Received:	04-05-12
Preservative:	Cool	Date Analyzed:	04-06-12
Condition:	Intact	Chain of Custody:	13689

Parameter	Concentration (mg/Kg)
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Total Chloride

280

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 Closures**

Analyst

Review

## Ed Hasely

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**From:** Ed Hasely  
**Sent:** Friday, April 13, 2012 4 30 PM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** 'Hobson Sandoval'  
**Subject:** RE: BGT Closure Notifications - Jicarilla

The analysis of the sample collected from beneath the BGT on the Jicarilla 98 #10 showed 280 ppm for chlorides. All other parameters were well within the closure limits. I propose that no excavation be required due that we are just barely over the 250 ppm limit, groundwater is estimated over 100 feet, and the location is not near surface water. Please let me know if we can proceed w/ the closure of this BGT. Thanks.

**Ed Hasely**  
**Energen Resources Corporation**

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**From:** Ed Hasely  
**Sent:** Wednesday, March 28, 2012 7:36 AM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** 'Hobson Sandoval'  
**Subject:** BGT Closure Notifications - Jicarilla

Jonathan – Energen plans to close the below listed BGT's in the near future. Let me know if you have questions. Thanks.

<b>Jicarilla 98 #2A - Unit Letter O, Section 19, Township 26N, Range 3W</b>
<b>Jicarilla 98 #10 - Unit Letter M, Section 17, Township 26N, Range 3W</b>
<b>Jicarilla 98 #12 - Unit Letter J, Section 18, Township 26N, Range 3W</b>

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

## Ed Hasely

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**From:** hsandoval\_99@yahoo.com  
**Sent:** Sunday, April 15, 2012 3:02 PM  
**To:** Ed Hasely, dixonssandoval@jicarilla.org  
**Subject:** Re: BGT Closure Notifications - Jicarilla

Your request is reasonable in view of ground water being >100 ft and is not near surface water. You can proceed with closure of this BGT. I would be alarmed if the chloride levels were in the 1,000s. Send me lab results for the six BGT closures.

Sent via BlackBerry by AT&T

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**From:** Ed Hasely <Ed.Hasely@energen.com>  
**Date:** Fri, 13 Apr 2012 17:30:23 -0500  
**To:** 'Kelly, Jonathan, EMNRD' <Jonathan.Kelly@state.nm.us>  
**Cc:** 'Hobson Sandoval' <hsandoval\_99@yahoo.com>  
**Subject:** RE: BGT Closure Notifications - Jicarilla

The analysis of the sample collected from beneath the BGT on the Jicarilla 98 #10 showed 280 ppm for chlorides. All other parameters were well within the closure limits. I propose that no excavation be required due that we are just barely over the 250 ppm limit, groundwater is estimated over 100 feet, and the location is not near surface water. Please let me know if we can proceed w/ the closure of this BGT. Thanks.

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Jicarilla 98 #12 - Unit Letter J, Section 18, Township 26N, Range 3W
--

**Ed Hasely**  
**Energen Resources Corporation**

Sr. Environmental Engineer  
[ed.hasely@energen.com](mailto:ed.hasely@energen.com)  
Office (505) 324-4131  
Cell (505) 330-3584



RCVD JUN 1 '12  
OIL CONS. DIV.

DIST. 3

May 31, 2012

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

Re: **Jicarilla 98 #10**  
C-141 Submittal  
Below Grade Tank Closure – Release Submittal

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,

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

Ed Hasely  
Sr. Environmental Engineer  
Energen Resources

Attachments: Final C-141  
Lab Reports

Cc: ~~Dixon~~ <sup>Hobson</sup> Sandoval – Jicarilla EPO  
Bryce Hammond – Jicarilla Oil and Gas  
HSE File  
Facility File  
Correspondence