

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**

30-039-06534

**OPERATOR**

☐ Initial Report ☒ Final Report

|  |   |
|--|---|
| <b>Name of Company:</b> Energen Resources, Inc.        | <b>Contact:</b> Ed Hasely               |
| <b>Address:</b> 2010 Afton Place, Farmington, NM 87401 | <b>Telephone No:</b> 505-324-4131       |
| <b>Facility Name:</b> Jicarilla 96 #5 (API 3003906534) | <b>Facility Type:</b> Oil/Gas Well Site |

|                                 |                                 |                               |
|---------------------------------|---------------------------------|-------------------------------|
| <b>Surface Owner:</b> Jicarilla | <b>Mineral Owner:</b> Jicarilla | <b>Lease No.</b> Jicarilla 96 |
|---------------------------------|---------------------------------|-------------------------------|

**LOCATION OF RELEASE**

|                         |                      |                        |                    |                      |                         |                      |                       |                             |
|-------------------------|----------------------|------------------------|--------------------|----------------------|-------------------------|----------------------|-----------------------|-----------------------------|
| <b>Unit Letter</b><br>M | <b>Section</b><br>11 | <b>Township</b><br>26N | <b>Range</b><br>3W | <b>Feet from the</b> | <b>North/South Line</b> | <b>Feet from the</b> | <b>East/West Line</b> | <b>County</b><br>Rio Arriba |
|-------------------------|----------------------|------------------------|--------------------|----------------------|-------------------------|----------------------|-----------------------|-----------------------------|

**Latitude** 36.49432 **Longitude** -107.11806

**NATURE OF RELEASE**

|   |   |  |
|---|---|--|
| <b>Type of Release:</b> Produced Fluids   | <b>Volume of Release:</b> Unknown   | <b>Volume Recovered:</b> 0 bbls                |
| <b>Source of Release:</b> Production Pit Tank   | <b>Date and Hour of Occurrence:</b><br>Unknown                              | <b>Date and Hour of Discovery:</b><br>10/15/12 |
| <b>Was Immediate Notice Given?</b><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | <b>If YES, To Whom?</b> Jonathan Kelly - OCD<br>Hobson Sandoval - Jicarilla |  |
| <b>By Whom?</b> Ed Hasely   | <b>Date and Hour:</b> 10/15/12, 9:27 am                                     |  |
| <b>Was a Watercourse Reached?</b><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | <b>If YES, Volume Impacting the Watercourse.</b> NA                         |  |

**If a Watercourse was Impacted, Describe Fully.\*** NA

RCVD DEC 6 '12  
OIL CONS. DIV.  
DIST. 3


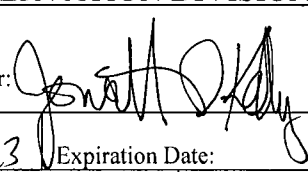
**Describe Cause of Problem and Remedial Action Taken.\***

Sampling underneath the tank during the below-grade tank closure showed TPH (Method 418.1) results of 226 ppm. According to the Pit Rule, any result over 100 ppm is an indication of a release.

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

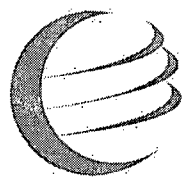
The sample tested 6.9 ppm for TPH utilizing EPA Method 8015 therefore no remediation is necessary. The area was backfilled w/ clean soils. Lab analyses are attached.

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.

|   |  |   |  |
|---|--|---|--|
| <b>Signature:</b>  |  | <b>OIL CONSERVATION DIVISION</b>  |  |
| <b>Printed Name:</b> Ed Hasely  |  | <b>Approved by District Supervisor:</b>  |  |
| <b>Title:</b> Sr. Environmental Engineer  |  | <b>Approval Date:</b> 3/07/2013 <b>Expiration Date:</b>   |  |
| <b>E-mail Address:</b> ed.hasely@energen.com  |  | <b>Conditions of Approval:</b>  |  |
| <b>Date:</b> 12/05/12 <b>Phone:</b> 505-324-4131 / 505-330-3584(cell)                                 |  | <b>Attached</b> <input type="checkbox"/>  |  |

\* Attach Additional Sheets If Necessary

NSK 1306649599



# envirotech

Analytical Laboratory

EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS

|                      |                   |                  |            |
|----------------------|-------------------|------------------|------------|
| Client:              | Energen Resources | Project #:       | 03022-0001 |
| Sample ID:           | Jic 96 #5         | Date Reported:   | 10-11-12   |
| Laboratory Number:   | 63416             | Date Sampled:    | 10-09-12   |
| Chain of Custody No: | 14534             | Date Received:   | 10-09-12   |
| Sample Matrix:       | Soil              | Date Extracted:  | 10-10-12   |
| Preservative:        | Cool              | Date Analyzed:   | 10-10-12   |
| Condition:           | Intact            | Analysis Needed: | TPH-418.1  |

| Parameter                    | Concentration<br>(mg/kg) | Det.<br>Limit<br>(mg/kg) |
|------------------------------|--------------------------|--------------------------|
| Total Petroleum Hydrocarbons | 226                      | 6.6                      |

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 BGT



EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

|                      |                   |                     |            |
|----------------------|-------------------|---------------------|------------|
| Client:              | Energen Resources | Project #:          | 03022-0001 |
| Sample ID:           | Jic 96 #5         | Date Reported:      | 10-10-12   |
| Laboratory Number:   | 63416             | Date Sampled:       | 10-09-12   |
| Chain of Custody No: | 14534             | Date Received:      | 10-09-12   |
| Sample Matrix:       | Soil              | Date Extracted:     | 10-10-12   |
| Preservative:        | Cool              | Date Analyzed:      | 10-10-12   |
| Condition:           | Intact            | Analysis Requested: | 8015 TPH   |

| Parameter                    | Concentration<br>(mg/Kg) | Det.<br>Limit<br>(mg/Kg) |
|------------------------------|--------------------------|--------------------------|
| Gasoline Range (C5 - C10)    | ND                       | 0.2                      |
| Diesel Range (C10 - C28)     | 6.9                      | 0.1                      |
| Total Petroleum Hydrocarbons | 6.9                      |                          |

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 BGT



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

|                    |                   |                     |            |
|--------------------|-------------------|---------------------|------------|
| Client:            | Energen Resources | Project #:          | 03022-0001 |
| Sample ID:         | Jic 96 #5         | Date Reported:      | 10-10-12   |
| Laboratory Number: | 63416             | Date Sampled:       | 10-09-12   |
| Chain of Custody:  | 14534             | Date Received:      | 10-09-12   |
| Sample Matrix:     | Soil              | Date Analyzed:      | 10-10-12   |
| Preservative:      | Cool              | Date Extracted:     | 10-10-12   |
| Condition:         | Intact            | Analysis Requested: | BTEX       |
|                    |                   | Dilution:           | 50         |

| Parameter    | Concentration<br>(ug/Kg) | Det.<br>Limit<br>(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       | 82.7 %           |
|                       | 1,4-difluorobenzene | 97.1 %           |
|                       | Bromochlorobenzene  | 94.5 %           |

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 BGT



## Chloride

|                |                   |                   |            |
|----------------|-------------------|-------------------|------------|
| Client:        | Energen Resources | Project #:        | 03022-0001 |
| Sample ID:     | Jic 96 #5         | Date Reported:    | 10-11-12   |
| Lab ID#:       | 63416             | Date Sampled:     | 10-09-12   |
| Sample Matrix: | Soil              | Date Received:    | 10-09-12   |
| Preservative:  | Cool              | Date Analyzed:    | 10-10-12   |
| Condition:     | Intact            | Chain of Custody: | 14534      |

| Parameter | Concentration (mg/Kg) |
|-----------|-----------------------|
|-----------|-----------------------|

**Total Chloride**

**211**

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: **Jicarilla BGT**

## Ed Hasely

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**From:** Ed Hasely  
**Sent:** Monday, October 15, 2012 9:27 AM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** 'Hobson Sandoval'; Jason Peace  
**Subject:** BGT Closure - Jicarilla 96 #5 - Possible Past Release

Sampling beneath the BGT on the Jicarilla 96 #5 revealed 418.1 TPH result of over 100 ppm. Per the Pit Rule, this is an indication of a possible past release. We will proceed per 19.15.29 and 19.15.30.

## Ed Hasely Energen Resources Corporation

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**From:** Ed Hasely  
**Sent:** Monday, August 27, 2012 2:19 PM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** 'Hobson Sandoval'; Jason Peace  
**Subject:** BGT Closure Notification - Jicarilla

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

|  |
|--|
| Jicarilla 96 #5 - Unit Letter M, Section 11, Township 26N, Range 3W  |
| Jicarilla 96 #5B - Unit Letter F, Section 11, Township 26N, Range 3W |
| Jicarilla 96 #6 - Unit Letter M, Section 2, Township 26N, Range 3W   |
| Johnson Shear #1 - Unit Letter H, Section 3, Township 26N, Range 3W  |

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