

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

Form C-144  
June 1, 2004

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.  
For downstream facilities, submit to Santa Fe office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

(WFS CLOSURE) Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: ENERGEN RESOURCES CORPORATION Telephone: \_\_\_\_\_ e-mail address: \_\_\_\_\_  
Address: 605 21ST STREET NORTH BIRMINGHAM, AL 352032707  
Facility or well name: NEWSOM A #012 API #: 30-045-24638 U/L or Qtr/Qtr P SEC 3 T 26N R 8W  
County: SAN JUAN Latitude 36.51082 Longitude -107.66423 NAD: 1927 ☒ 1983 ☐  
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☐ Production ☒ Disposal ☐

Workover ☐ Emergency ☐

Lined ☐ Unlined ☒

Liner Type: Synthetic ☒ Thickness \_\_\_\_\_ mil Clay ☐

Pit Volume 77 bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_

Construction Material: \_\_\_\_\_

Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet  
50 feet or more, but less than 100 feet  
100 feet or more

(20 points)  
(10 points)  
(0 points)

0

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes  
No

(20 points)  
(0 points)

0

Distance to surface water: (Horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet  
200 feet to 1,000 feet  
Greater than 1,000 feet

(20 points)  
(10 points)  
(0 points)

0

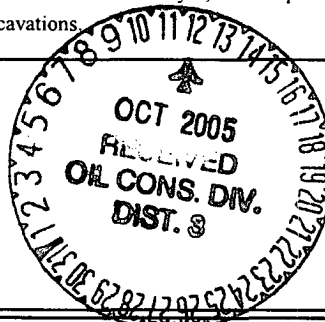
**Ranking Score (TOTAL POINTS):**

0

**If this is a pit closure:** (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite ☒ offsite ☐ If offsite, name of facility \_\_\_\_\_. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface \_\_\_\_\_. ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

Meter: 34998



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☒

Date: 9/18/05

Printed Name/Title Mark Harvey for Williams Field Services Signature Mark Harvey FOR WFS

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature Denny Funt

OCT 12 2005  
Date:

# ADDENDUM TO OCD FORM C-144

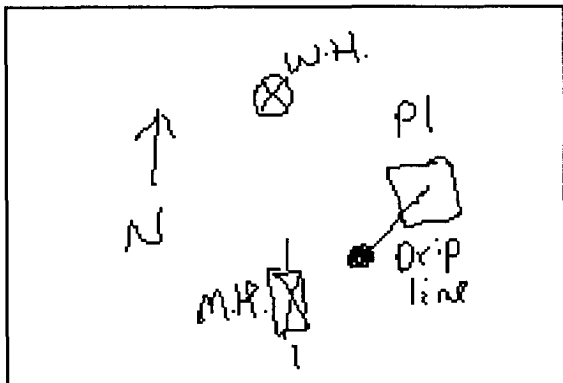
Operator: ENERGEN RESOURCES CORPORATION

API 30-045-24638

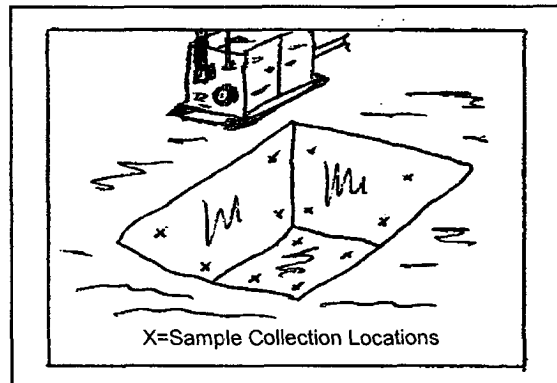
Well Name: NEWSOM A #012

Meter: 34998

Facility Diagram:



Sampling Diagram:



**Pit Dimensions**

Length 12 Ft.  
Width 12 Ft.  
Depth 3 Ft.

**Location of Pit Center**

Latitude 36.51062  
Longitude -107.6642  
(NAD 1927)

**Pit ID**

349981

**Pit Type**

Other

Date Closure Started: 9/1/04

Date Closure Completed: 9/1/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 27

Vertical Extent of Equipment Reached ? ☐

**Description Of Closure Action:**

Contaminated soil was removed and treated then returned to the excavation following sampling of the walls and floor.

BEDROCK limited vertical excavation and/or prevented sampling. This condition limits deleterious environmental effects.

**Pit Closure Sampling:**

| Sample ID   | Sample Date | Head Space | BTEX Total (mg/kg) | Benzene (mg/kg) | TPH DRO (mg/kg) | Purpose    | Location | Depth |
|-------------|-------------|------------|--------------------|-----------------|-----------------|------------|----------|-------|
| 092801SEP04 | 9/1/04      |            | 0                  | 0               | 15              | EX Confirm | Walls    | 4     |
| 093701SEP04 | 9/1/04      |            | 1.4                | 0               | 16              | EX Confirm | Flr      | 5     |
| 125612MAR04 | 3/12/04     |            | 518                | 0               | 100             | ASSESS     | Flr      | 3     |

Lab Project Number: 6080365  
Client Project ID: N.M. Pit Program/Spring 2004

Lab Sample No: 606913796      Project Sample Number: 6080365-003      Date Collected: 03/12/04 12:56  
Client Sample ID: 125612MAR04      Matrix: Soil      Date Received: 03/16/04 09:15

| Parameters | Results | Units | Report Limit | DF | Analyzed | By | CAS No. | Qual | RegLmt |
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|

### GC Semivolatiles

|                                |                        |       |     |     |                |      |            |   |  |
|--------------------------------|------------------------|-------|-----|-----|----------------|------|------------|---|--|
| Total Extractable Hydrocarbons | Prep/Method: OA2 / OA2 |       |     |     |                |      |            |   |  |
| Mineral Spirits                | ND                     | mg/kg | 13. | 1.3 | 03/20/04 01:40 | RMN1 |            |   |  |
| Jet Fuel                       | ND                     | mg/kg | 13. | 1.3 | 03/20/04 01:40 | RMN1 |            |   |  |
| Kerosene                       | ND                     | mg/kg | 13. | 1.3 | 03/20/04 01:40 | RMN1 |            |   |  |
| Diesel Fuel                    | ND                     | mg/kg | 13. | 1.3 | 03/20/04 01:40 | RMN1 | 68334-30-5 |   |  |
| Fuel Oil                       | ND                     | mg/kg | 13. | 1.3 | 03/20/04 01:40 | RMN1 | 68334-30-5 |   |  |
| Motor Oil                      | ND                     | mg/kg | 13. | 1.3 | 03/20/04 01:40 | RMN1 |            |   |  |
| Total Petroleum Hydrocarbons   | 100                    | mg/kg | 13. | 1.3 | 03/20/04 01:40 | RMN1 |            | 5 |  |
| n-Tetracosane (S)              | 106                    | %     |     | 1.0 | 03/20/04 01:40 | RMN1 | 646-31-1   |   |  |
| p-Terphenyl (S)                | 108                    | %     |     | 1.0 | 03/20/04 01:40 | RMN1 | 92-94-4    |   |  |
| Date Extracted                 | 03/18/04               |       |     |     | 03/18/04       |      |            |   |  |

### Organics Prep

|                  |                  |   |  |     |          |     |  |  |  |
|------------------|------------------|---|--|-----|----------|-----|--|--|--|
| Percent Moisture | Method: SM 2540G |   |  |     |          |     |  |  |  |
| Percent Moisture | 23.2             | % |  | 1.0 | 03/18/04 | DPB |  |  |  |

### GC Volatiles

|                            |                                              |       |       |     |                |     |           |     |  |
|----------------------------|----------------------------------------------|-------|-------|-----|----------------|-----|-----------|-----|--|
| Aromatic Volatile Organics | Prep/Method: EPA 5030 Medium Soil / EPA 8021 |       |       |     |                |     |           |     |  |
| Benzene                    | ND                                           | ug/kg | 6100  | 123 | 03/19/04 00:24 | ARF | 71-43-2   |     |  |
| Ethylbenzene               | ND                                           | ug/kg | 6100  | 123 | 03/19/04 00:24 | ARF | 100-41-4  |     |  |
| Toluene                    | 480000                                       | ug/kg | 6100  | 123 | 03/19/04 00:24 | ARF | 108-88-3  |     |  |
| Xylene (Total)             | 38000                                        | ug/kg | 15000 | 123 | 03/19/04 00:24 | ARF | 1330-20-7 |     |  |
| a,a,a-Trifluorotoluene (S) | 2000                                         | %     |       | 1.0 | 03/19/04 00:24 | ARF | 98-08-8   | 3,4 |  |

## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6086460

Client Project ID: NM Pits

Lab Sample No: 607447703  
Client Sample ID: 093701SEP04

Project Sample Number: 6086460-027  
Matrix: Soil

Date Collected: 09/01/04 09:37  
Date Received: 09/03/04 09:10

| Parameters | Results | Units | Report Limit | DF | Analyzed | By | CAS No. | Qual | RegLmt |
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|

### GC Semivolatiles

Total Extractable Hydrocarbons Prep/Method: OA2 / OA2

|                              |          |       |     |     |                |      |            |   |  |
|------------------------------|----------|-------|-----|-----|----------------|------|------------|---|--|
| Mineral Spirits              | ND       | mg/kg | 10. | 1.0 | 09/10/04 20:42 | RMN1 |            |   |  |
| Jet Fuel                     | ND       | mg/kg | 10. | 1.0 | 09/10/04 20:42 | RMN1 |            |   |  |
| Kerosene                     | ND       | mg/kg | 10. | 1.0 | 09/10/04 20:42 | RMN1 |            |   |  |
| Diesel Fuel                  | ND       | mg/kg | 10. | 1.0 | 09/10/04 20:42 | RMN1 | 68334-30-5 |   |  |
| Fuel Oil                     | ND       | mg/kg | 10. | 1.0 | 09/10/04 20:42 | RMN1 | 68334-30-5 |   |  |
| Motor Oil                    | ND       | mg/kg | 10. | 1.0 | 09/10/04 20:42 | RMN1 |            |   |  |
| Total Petroleum Hydrocarbons | 16.      | mg/kg | 10. | 1.0 | 09/10/04 20:42 | RMN1 |            | 5 |  |
| n-Tetracosane (S)            | 95       | %     |     | 1.0 | 09/10/04 20:42 | RMN1 | 646-31-1   |   |  |
| p-Terphenyl (S)              | 102      | %     |     | 1.0 | 09/10/04 20:42 | RMN1 | 92-94-4    |   |  |
| Date Extracted               | 09/08/04 |       |     |     | 09/08/04       |      |            |   |  |

### Organics Prep

|                  |                  |   |  |     |          |      |  |  |  |
|------------------|------------------|---|--|-----|----------|------|--|--|--|
| Percent Moisture | Method: SM 2540G |   |  |     |          |      |  |  |  |
| Percent Moisture | 5.9              | % |  | 1.0 | 09/08/04 | JLC1 |  |  |  |

### GC Volatiles

Aromatic Volatile Organics Prep/Method: EPA 5030 Medium Soil / EPA 8021

|                            |      |       |      |     |                |  |           |   |  |
|----------------------------|------|-------|------|-----|----------------|--|-----------|---|--|
| Benzene                    | ND   | ug/kg | 460  | 9.2 | 09/08/04 21:54 |  | 71-43-2   |   |  |
| Ethylbenzene               | ND   | ug/kg | 460  | 9.2 | 09/08/04 21:54 |  | 100-41-4  |   |  |
| Toluene                    | ND   | ug/kg | 460  | 9.2 | 09/08/04 21:54 |  | 108-88-3  |   |  |
| Xylene (Total)             | 1400 | ug/kg | 1200 | 9.2 | 09/08/04 21:54 |  | 1330-20-7 |   |  |
| a,a,a-Trifluorotoluene (S) | 105  | %     |      | 1.0 | 09/08/04 21:54 |  | 98-08-8   | 7 |  |

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Lab Project Number: 6086460  
Client Project ID: NM Pits

Lab Sample No: 607447711  
Client Sample ID: 092801SEP04

Project Sample Number: 6086460-028  
Matrix: Soil

Date Collected: 09/01/04 09:28  
Date Received: 09/03/04 09:10

| Parameters | Results | Units | Report Limit | DF | Analyzed | By | CAS No. | Qual | RegLmt |
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|

### GC Semivolatiles

Total Extractable Hydrocarbons Prep/Method: OA2 / OA2

|                              |          |       |     |     |                |      |            |   |  |
|------------------------------|----------|-------|-----|-----|----------------|------|------------|---|--|
| Mineral Spirits              | ND       | mg/kg | 11. | 1.1 | 09/10/04 21:00 | RMN1 |            |   |  |
| Jet Fuel                     | ND       | mg/kg | 11. | 1.1 | 09/10/04 21:00 | RMN1 |            |   |  |
| Kerosene                     | ND       | mg/kg | 11. | 1.1 | 09/10/04 21:00 | RMN1 |            |   |  |
| Diesel Fuel                  | ND       | mg/kg | 11. | 1.1 | 09/10/04 21:00 | RMN1 | 68334-30-5 |   |  |
| Fuel Oil                     | ND       | mg/kg | 11. | 1.1 | 09/10/04 21:00 | RMN1 | 68334-30-5 |   |  |
| Motor Oil                    | ND       | mg/kg | 11. | 1.1 | 09/10/04 21:00 | RMN1 |            |   |  |
| Total Petroleum Hydrocarbons | 15.      | mg/kg | 11. | 1.1 | 09/10/04 21:00 | RMN1 |            | 5 |  |
| n-Tetracosane (S)            | 90       | %     |     | 1.0 | 09/10/04 21:00 | RMN1 | 646-31-1   |   |  |
| p-Terphenyl (S)              | 108      | %     |     | 1.0 | 09/10/04 21:00 | RMN1 | 92-94-4    |   |  |
| Date Extracted               | 09/08/04 |       |     |     | 09/08/04       |      |            |   |  |

### Organics Prep

|                  |                  |   |  |     |          |      |  |  |  |
|------------------|------------------|---|--|-----|----------|------|--|--|--|
| Percent Moisture | Method: SM 2540G |   |  |     |          |      |  |  |  |
| Percent Moisture | 7.9              | % |  | 1.0 | 09/08/04 | JLC1 |  |  |  |

### GC Volatiles

Aromatic Volatile Organics Prep/Method: EPA 5030 Medium Soil / EPA 8021

|                            |    |       |      |      |                |  |           |   |  |
|----------------------------|----|-------|------|------|----------------|--|-----------|---|--|
| Benzene                    | ND | ug/kg | 540  | 10.9 | 09/08/04 22:22 |  | 71-43-2   |   |  |
| Ethylbenzene               | ND | ug/kg | 540  | 10.9 | 09/08/04 22:22 |  | 100-41-4  |   |  |
| Toluene                    | ND | ug/kg | 540  | 10.9 | 09/08/04 22:22 |  | 108-88-3  |   |  |
| Xylene (Total)             | ND | ug/kg | 1400 | 10.9 | 09/08/04 22:22 |  | 1330-20-7 |   |  |
| a,a,a-Trifluorotoluene (S) | 96 | %     |      | 1.0  | 09/08/04 22:22 |  | 98-08-8   | 7 |  |

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