

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

RCUD OCT 26 06
OIL CONS. DIV.

DIST. 3

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-144
June 1, 2004

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 ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Burlington Resources Telephone: (505) 326-9841 e-mail address: LHaselv@br-inc.com
Address: 3401 East 30th Street, Farmington, New Mexico, 87402
Facility or well name: Huerfano Unit 150E API #: 3004526358000 U/L or Qtr/Qtr N 12 T 25N R 10W
County: San Juan Latitude 36.41054 Longitude -107.85137 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 _____ bbl

Below-grade tank

Volume: 60 bbl Type of fluid: Produced Water and Incidental Oil
Construction material: Fiberglass
Double-walled, with leak detection? Yes ☐ If not, explain why not.
No. Tank in place prior to Rule 50.

| | | | |
|---|---|-------------|----|
| Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.) | Less than 50 feet | (20 points) | |
| | 50 feet or more, but less than 100 feet | (10 points) | |
| | 100 feet or more | (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 | (20 points) | |
| | No | (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 | (20 points) | |
| | 200 feet or more, but less than 1000 feet | (10 points) | |
| | 1000 feet or more | (0 points) | 20 |
| Ranking Score (Total Points) | | | 20 |

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 you 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:

Soil tested Clean, no soil remediation required

BTEX Results Attached

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: 10/23/06

Printed Name/Title Mr. Ed Haselv, Environmental Advisor

Signature [Signature]

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.

Approved by **UNITY OIL & GAS INSPECTOR, DIST. 3**

Printed Name/Title _____

Signature [Signature]

Date: OCT 26 2006

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

| | | | |
|----------------|------------------------------|------------------|---------------|
| Client: | Burlington Resources | Project #: | 92115-046-006 |
| Sample No.: | 1 | Date Reported: | 9/29/2006 |
| Sample ID: | Discrete Sample 3' below BGT | Date Sampled: | 9/24/2006 |
| Sample Matrix: | Soil | Date Analyzed: | 9/24/2006 |
| Preservative: | Cool | Analysis Needed: | TPH-418.1 |
| Condition: | Cool and Intact | | |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|-----------|--------------------------|--------------------------|
|-----------|--------------------------|--------------------------|

| | | |
|------------------------------|------|-----|
| Total Petroleum Hydrocarbons | 40.0 | 5.0 |
|------------------------------|------|-----|

ND = Parameter not detected at the stated detection limit.

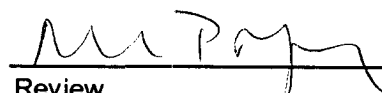
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Huerfano Unit 150E**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst



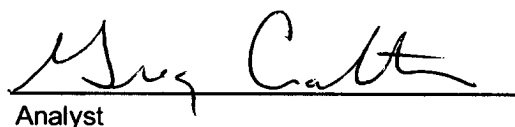
Review

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

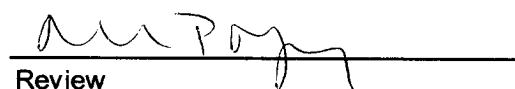
Cal. Date: 24-Sep-06

| Parameter | Standard Concentration mg/L | Concentration Reading mg/L |
|-----------|-----------------------------------|----------------------------------|
| TPH | 100 | 214 |
| | 200 | |
| | 500 | |
| | 1000 | |

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.


Analyst

9/29/06
Date


Review

9/29/06
Date

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|---------------|---------------------|---------------|
| Client: | Burlington | Project #: | 92115-046-006 |
| Sample ID: | Bottom @ 7' | Date Reported: | 09-27-06 |
| Laboratory Number: | 38610 | Date Sampled: | 09-24-06 |
| Chain of Custody: | 1509 | Date Received: | 09-25-06 |
| Sample Matrix: | Soil | Date Analyzed: | 09-27-06 |
| Preservative: | Cool | Date Extracted: | 09-26-06 |
| Condition: | Cool & Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) |
|--------------|--------------------------|--------------------------|
| Benzene | ND | 1.8 |
| Toluene | 8.9 | 1.7 |
| Ethylbenzene | 52.4 | 1.5 |
| p,m-Xylene | 404 | 2.2 |
| o-Xylene | 45.4 | 1.0 |
| Total BTEX | 511 | |

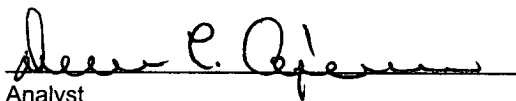
ND - Parameter not detected at the stated detection limit.

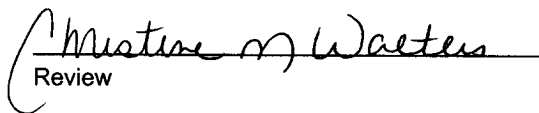
| Surrogate Recoveries: | Parameter | Percent Recovery |
|-----------------------|---------------------|------------------|
| | Fluorobenzene | 99.0 % |
| | 1,4-difluorobenzene | 99.0 % |
| | Bromochlorobenzene | 99.0 % |

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: Huerfano 150E


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|------------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 09-27-BTEX QA/QC | Date Reported: | 09-27-06 |
| Laboratory Number: | 38583 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 09-27-06 |
| 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 | 4.7224E+007 | 4.7318E+007 | 0.2% | ND | 0.2 |
| Toluene | 6.0376E+007 | 6.0497E+007 | 0.2% | ND | 0.2 |
| Ethylbenzene | 2.6514E+007 | 2.6567E+007 | 0.2% | ND | 0.2 |
| p,m-Xylene | 1.0969E+008 | 1.0991E+008 | 0.2% | ND | 0.2 |
| o-Xylene | 5.3489E+007 | 5.3596E+007 | 0.2% | ND | 0.1 |

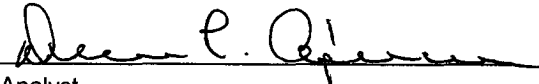
| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 1.8 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.7 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.5 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 2.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 1.0 |

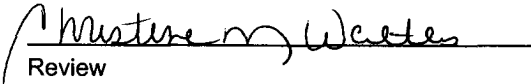
| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 50.0 | 50.0 | 100.0% | 39 - 150 |
| Toluene | ND | 50.0 | 49.9 | 99.8% | 46 - 148 |
| Ethylbenzene | ND | 50.0 | 50.0 | 100.0% | 32 - 160 |
| p,m-Xylene | ND | 100 | 99.8 | 99.8% | 46 - 148 |
| o-Xylene | ND | 50.0 | 49.9 | 99.8% | 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 38583 - 38589, 38609 - 38610, 38621


Analyst


Review

1509

san juan reproduction 578-129