

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-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 ☒

RCVD DEC19'06

Operator: Burlington Resources Telephone: (505) 326-9841 e-mail address: LHasely@br-inc.com

Address: 3401 East 30th Street, Farmington, New Mexico, 87402

Facility or well name: Huerfano Unit 101E API #: 30045266630000 U/L or Qtr/Qtr M Sec 19 T 27N R 10W

County: San Juan Latitude 36.55682 Longitude -107.94316 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)
	20

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)	40
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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 Envirotech LF #2. (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:

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: 11/20/06

Printed Name/Title Mr. Ed Hasely, 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.

APPROVAL:
DEPUTY OIL & GAS INSPECTOR, DISTRICT IV
Printed Name/Title [Signature]

Date: DEC 19 2006

CLIENT: <u>Burlington Resources</u>	ENVIROTECH INC. <small>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615</small>	LOCATION NO: _____ C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>Huerfano Unit</u> WELL #: <u>101E</u> PIT: _____	DATE STARTED: <u>10/16/06</u>
QUAD/UNIT: <u>M</u> SEC: <u>19</u> TWP: <u>27N</u> RNG: <u>10W</u> PM: <u>NMPM</u> CNTY: <u>SJ</u> ST: <u>NM</u>	DATE FINISHED: <u>10/16/06</u>
QTR/FOOTAGE: _____ CONTRACTOR: <u>Bailey's</u>	ENVIRONMENTAL SPECIALIST: <u>MPM</u>

EXCAVATION APPROX. 16 FT. x 16 FT. x 7 FT. DEEP. CUBIC YARDAGE: 30 yd³

DISPOSAL FACILITY: Envirotech LF #2 REMEDIATION METHOD: Landfarm

LAND USE: _____ LEASE: SF 078022 FORMATION: DK

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 16' FT. 45° FROM WELLHEAD.

DEPTH TO GROUNDWATER: 20 NEAREST WATER SOURCE: 0 NEAREST SURFACE WATER: 20

NMOC D RANKING SCORE: 40 NMOC D TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE :
☐ PIT ABANDONED
☒ STEEL TANK INSTALLED

At 3' below B&T, slight odor present. At 4' B&T (7' TD) no odor present, slight discoloration on west wall. Bailey's excavated, no visible or odors present at extent of excavation.

SCALE

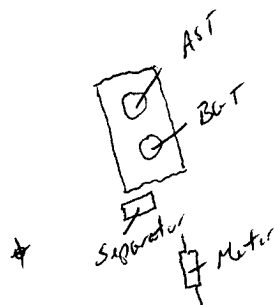
0 FT

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1010	7' TD	1	5	20	1	0.0110	76.3
1017	Wall, Comp	1	5	20	1	0.0040	27.8

PIT PERIMETER

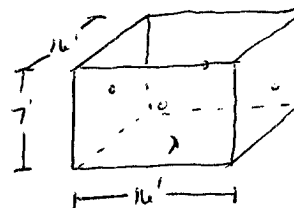
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 7' TD	27
2 Wall, Comp	25
3	
4	
5	

SAMPLE ID	ANALYSIS	TIME



o = Wall, Comp
 y = Bottom

TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: Burlington Resources
Sample No.: 1
Sample ID: Bottom @ 7' TD
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-046-045
Date Reported: 10/16/2006
Date Sampled: 10/16/2006
Date Analyzed: 10/16/2006
Analysis Needed: TPH-418.1

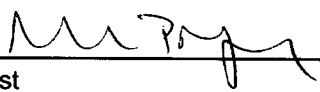
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	76.3	5.0
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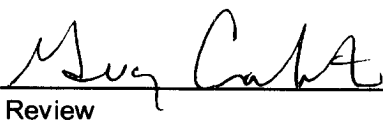
ND = Parameter not detected at the stated detection limit.

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

Comments: **Huerfano Unit 101E**



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: Burlington Resources
Sample No.: 2
Sample ID: Walls, Composite
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-046-045
Date Reported: 10/16/2006
Date Sampled: 10/16/2006
Date Analyzed: 10/16/2006
Analysis Needed: TPH-418.1

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


27.8

5.0

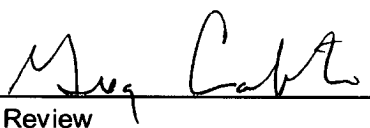
ND = Parameter not detected at the stated detection limit.

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

Comments: **Huerfano Unit 101E**



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	Burlington Resources	Project #:	92115-046-045
Sample ID:	QA/QC	Date Reported:	10/16/2006
Laboratory Number:	01-24-TPH.QA/QC	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	10/16/2006
Preservative:	N/A	Date Extracted:	10/16/2006
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	05-22-04	10/16/2006	1,735	1,639	5.5%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	5.0

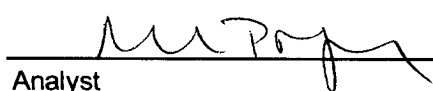
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	2,471	2,352	4.8%	+/- 30%

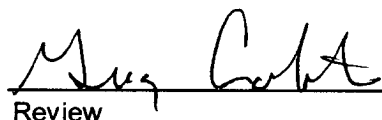
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	2,471	2,000	5,030	112.5%	80 - 120%

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: QA/QC for Huerfano Unit 101E


Analyst


Review