

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 ☐

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

Operator: <u>Burlington Resources</u> Telephone: <u>(505) 326-9841</u> e-mail address: <u>LHasely@br-inc.com</u>		
Address: <u>3401 East 30th Street, Farmington, New Mexico, 87402</u>		
Facility or well name: <u>Huerfano Unit 190</u>	API #: <u>30045204190000</u>	U/L or Qtr/Qtr <u>B</u> Sec <u>1</u> T <u>25N</u> R <u>10W</u>
County: <u>San Juan</u>	Latitude <u>36.43487</u>	Longitude <u>-107.84446</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: <u>60</u> bbl Type of fluid: <u>Produced Water and Incidental Oil</u> Construction material: <u>Fiberglass</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not _____ <u>No. Tank in place prior to Rule 50.</u>	
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)
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) 10
Ranking Score (Total Points)		10

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:
The soils tested clean and no soil remediation was required.


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: 8/12/06

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.

DEPUTY OIL & GAS INSPECTOR, DIST. 

Approval:

Printed Name/Title _____

Signature [Signature]

Date: AUG 23 2006

CLIENT: <u>Burlington</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.D.C. NO: _____
---------------------------	---	--

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
---	-------------------------------

LOCATION: NAME: <u>Huerfano Unit</u> WELL #: <u>190</u> PIT: _____ QUAD/UNIT: <u>3</u> SEC: <u>1</u> TWP: <u>25N</u> RNG: <u>10W</u> PM: <u>NM/M</u> CNTY: <u>ST</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1025' N 1840' E</u> CONTRACTOR: <u>Bailey's</u>	DATE STARTED: <u>6/27/06</u> DATE FINISHED: <u>6/27/06</u> ENVIRONMENTAL SPECIALIST: <u>MJM</u>
---	---

EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP.	CUBIC YARDAGE: <u>0</u>
DISPOSAL FACILITY: <u>N/A</u> REMEDIATION METHOD: _____	
LAND USE: _____ LEASE: <u>SF 078020</u> FORMATION: _____	

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>73</u> FT. <u>180°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>0</u> NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER: <u>10</u>
------------------------	--

NMCD RANKING SCORE: <u>10</u> NMCD TPH CLOSURE STD: <u>1000</u> PPM SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED
---	--

Slight discoloration present but no odors detected. No soil removed from site.

FIELD 418.1 CALCULATIONS

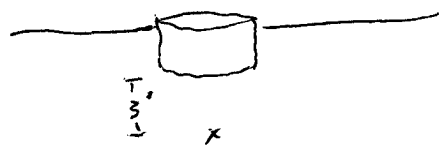
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0924	3' Below	1	5	20	1	0.033	229



0 FT ~~PIT PERIMETER~~ PROFILE

OVM RESULTS

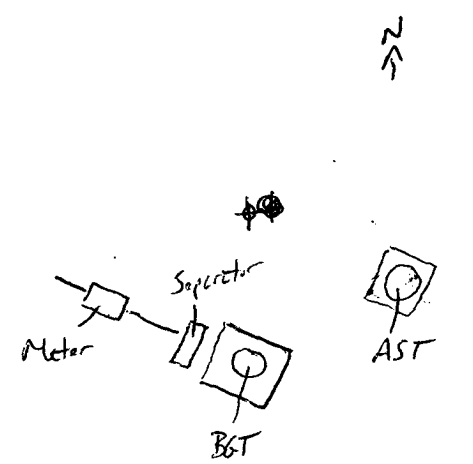
~~PIT PROFILE~~ PERIMETER



x = Sample point

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 3' Below	47 ppm
2	
3	
4	
5	

SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
---------------	----------------	---------------

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Burlington Resources	Project #:	92115-046-015
Sample No.:	1	Date Reported:	6/28/2006
Sample ID:	Discrete, 3' Below BG Tank	Date Sampled:	6/27/2006
Sample Matrix:	Soil	Date Analyzed:	6/27/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	229	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 190**

Analyst

Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	Burlington Resources	Project #:	92115-046-015
Sample ID:	QA/QC	Date Reported:	5/15/2006
Laboratory Number:	01-24-TPH.QA/QC	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	1/24/2005
Preservative:	N/A	Date Extracted:	1/24/2005
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	1/24/2005	1,735	1,754	1.1%	+/- 10%

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

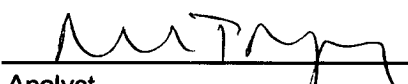
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	2,471	2,352	4.8%	+/- 30%

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 190



Analyst



Review