

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**

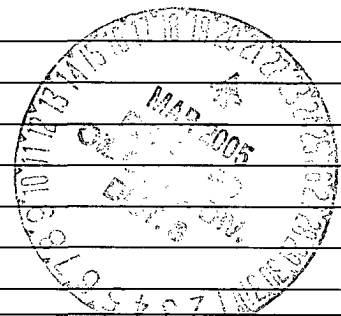
Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

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 30<sup>th</sup> Street, Farmington, New Mexico, 87402</u>		
Facility or well name: <u>Lackey A No. 1R</u> API #: <u>30045237070000</u> U/L or Qtr/Qtr <u>A</u> Sec <u>12</u> T <u>29</u> R <u>10W</u>		
County: <u>San Juan</u> Latitude <u>36.7446</u> Longitude <u>-107.8297</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"/>		
<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input 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	<b>Below-grade tank</b> 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) ( 0 points) 10
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 or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) ( 0 points) 20
<b>Ranking Score (Total Points)</b>		30

**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 Houck #3M\*. (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:
* Disposal Location: Houck # 3M; N36°44.593', W107° 50.309'; Lease No. NMSF-077092; API # 3004530792.
Cubic Yardage Disposed at Houck #3M: 420 yd <sup>3</sup> , per Mr. Pat Montoya of M&M Trucking.



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: 3/18/05

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, DIST. 4  
Printed Name/Title

Signature [Signature]

Date: MAR 21 2005

CLIENT: <u>Burlington Resources</u>	<b>ENVIROTECH INC.</b> <small>ENVIRONMENTAL SCIENTISTS &amp; 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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<b>FIELD REPORT: CLOSURE VERIFICATION</b>		PAGE No: <u>1</u> of <u>2</u>
LOCATION: NAME: <u>Lackey A</u> WELL #: <u>1R</u> PIT: <u>Steel tank</u>		DATE STARTED: <u>3/1/05</u>
QUAD/UNIT: _____ SEC: <u>12</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NHAM</u> CNTY: <u>SJ</u> ST: <u>NM</u>		DATE FINISHED: <u>3/9/05</u>
QTR/FOOTAGE: _____ CONTRACTOR: <u>L&amp;R</u>		ENVIRONMENTAL SPECIALIST: <u>MPM</u>

EXCAVATION APPROX. 24 FT. x 20 FT. x 15 FT. DEEP. CUBIC YARDAGE: 420 *per Pat Almontoya*

DISPOSAL FACILITY: \_\_\_\_\_ REMEDIATION METHOD: landfarm @ Houck #3M

LAND USE: \_\_\_\_\_ LEASE: \_\_\_\_\_ FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 35 FT. 100° FROM WELLHEAD.

DEPTH TO GROUNDWATER: 10 NEAREST WATER SOURCE: 0 NEAREST SURFACE WATER: 20

NMCD RANKING SCORE: 30 NMCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:  
☐ PIT ABANDONED  
☒ STEEL TANK INSTALLED

3/1/05 Black soil right from soil surface. Starts to lighten up about 10-11'.  
 Informed Les, said to set-up temporary and move on.

SCALE

0 FT

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
None taken this day.							

PIT PERIMETER

OV  
RESULTS

PIT PROFILE

SAMPLE ID	FIELD HEADSPACE PID (ppm)
13' Below	754 ppm
20' TD	531 ppm
3	
4	
5	

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALLOUT: \_\_\_\_\_ ONSITE: \_\_\_\_\_

CLIENT: <u>Burlington Resources</u>	<b>ENVIROTECH INC.</b> <small>ENVIRONMENTAL SCIENTISTS &amp; ENGINEERS          5796 U.S. HIGHWAY 64-3014          FARMINGTON, NEW MEXICO 87401          PHONE: (505) 632-0615</small>	LOCATION NO: _____ C.D.C. NO: _____
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<b>FIELD REPORT: CLOSURE VERIFICATION</b>	PAGE No: <u>2</u> of <u>2</u>
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LOCATION: NAME: <u>Lackey A</u> WELL #: <u>1R</u> PIT: _____ QUAD/UNIT: _____ SEC: <u>12</u> TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NMM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: _____ CONTRACTOR: <u>M&amp;M</u>	DATE STARTED: <u>3/1/05</u> DATE FINISHED: <u>3/9/05</u> ENVIRONMENTAL SPECIALIST: <u>MPM</u>
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EXCAVATION APPROX. <u>25</u> FT. x <u>28</u> FT. x <u>15</u> FT. DEEP.	CUBIC YARDAGE: <u>420 yds</u>	per Pat Monitor
DISPOSAL FACILITY: _____	REMEDIALATION METHOD: <u>Landfill at Houck #3M</u>	
LAND USE: _____	LEASE: _____ FORMATION: _____	

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>35</u> FT. <u>100°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>10</u> NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER: <u>20</u> NMOC D RANKING SCORE: <u>30</u> NMOC D TPH CLOSURE STD: <u>100</u> PPM
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SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED
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3/9/05 M&M had ~~the~~ d.s. screened with their PID. S/W Tony Candelaria said they were going to LF on the same lease and gave me directions to site. Informed Ed Haseley of results. Estimate yardage at 340 yds at current dimensions. LF at the Houck #3M Lease # NMSF-077092  
 GPS N36°44.593' API # 30-045-30792  
 W107°50.309'

SCALE  
  
 0 FT

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
15:15	5 Pt Comp	1	5	20	1	0.0052	36.1 ppm

PIT PERIMETER

OVM RESULTS

PIT PROFILE

See sheet 1 of 2

Denny.

ET has since been instructed to get bottom sample and composite of walls

Thanks  
Ed

SAMPLE ID	FIELD HEADSPACE PID (ppm)	
1 W. Wall	6 ppm	□
2 E. Wall	1 ppm	○
3 S. Wall	2 ppm	△
4 N. Wall	4 ppm	▽
5 Bottom	7 ppm	+
5 Pt Comp	5 ppm	*

TRAVEL	ONSITE: _____	
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EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-021-029
Sample No.:	1	Date Reported:	3/17/2005
Sample ID:	Five Point Composite @ 15' Depth	Date Sampled:	3/9/2005
Sample Matrix:	Soil	Date Analyzed:	3/9/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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<b>Total Petroleum Hydrocarbons</b>	<b>36.1</b>	<b>5.0</b>
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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: **Lackey A No. 1R**

Michael P. Marquez  
Analyst

\_\_\_\_\_  
Review

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS  
QUALITY ASSURANCE REPORT

Client:	Burlington Resources	Project #:	92115-021-029
Sample ID:	QA/QC	Date Reported:	3/17/2005
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	1,389	19.9%	+/- 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 Lackey A No. 1R, Sample 1

Michael P. Marquez  
Analyst

\_\_\_\_\_  
Review