

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 ☒

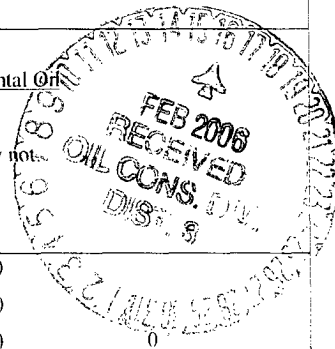
Operator: Burlington Resources Telephone: (505) 326-9841 e-mail address: LHasely@br-inc.com  
Address: 3401 East 30<sup>th</sup> Street, Farmington, New Mexico, 87402  
Facility or well name: Riddle B No. 8 API #: 30045208470000 U/L or Qtr/Qtr I Sec 23 T 30N R 10W  
County: San Juan Latitude 36.79562 Longitude -107.84813 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: 40 bbl Type of fluid: Produced Water and Incidental Oil  
Construction material: Steel  
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)
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 Riddle B No. 2C. (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:

*landfill analysis is 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: 6/10/05

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. 8  
Printed Name/Title [Signature] Signature [Signature]

Date: FEB 16 2006

CLIENT: Burlington  
Resources

**ENVIROTECH INC.**  
ENVIRONMENTAL SCIENTISTS & ENGINEERS  
5796 U.S. HIGHWAY 64-3014  
FARMINGTON, NEW MEXICO 87401  
PHONE (505) 632-0615

PROJECT NO. 10

DATE 10

## FIELD REPORT: CLOSURE VERIFICATION

PAGE NO: 2 OF 2

LOCATION: NAME: Riddle B WELL #: 8 PIT:  
QUAD/UNIT: SEC: 23 TWP: 30N RNG: 10W PM: NMM CNTY: ST. NM  
QTR/FOOTAGE: CONTRACTOR: M+M

DATE STARTED: 5/23/05  
DATE FINISHED: 5/31/05  
ENVIRONMENTAL  
SPECIALIST: MPM

EXCAVATION APPROX 19 FT x 17 FT x 17 FT DEEP CUBIC YARDAGE: 200 yds  
DISPOSAL FACILITY: Riddle B No. 2C REMEDIATION METHOD: Landfarm  
LAND USE: LEASE: FORMATION:

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY \_\_\_\_\_ FT. \_\_\_\_\_ FROM WELLHEAD.

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

NMDCD RANKING SCORE: 20 NMDCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION:

CHECK ONE:

☐ PIT ABANDONED  
☒ STEEL TANK INSTALLED

Soil cleaned up at 17' depth. Soil is being landfarmed at Riddle B #2C per Pat Montoya.

### FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
1105	Bottom 17'	1	5	20	1	0.0128	256.8
1115	4 ft Wall	1	5	20	1	0.0082	56.9

SCALE

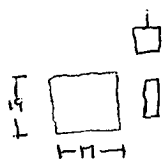


0 FT

PIT PERIMETER

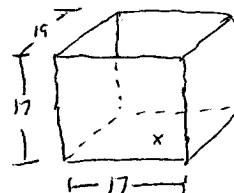
OVM  
RESULTS

PIT PROFILE



2  
↑

SAMPLE ID	FIELD HEADSPACE PID (ppm)	
1 Bottom 0.17'	2 ppm	
2 4 ft walls	7 ppm	
3		
4		
5		
LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



x = Bottom Sample

TRAVEL NOTES:

CALLOUT:

ON-SITE

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client: Burlington Resources  
Sample No.: 1  
Sample ID: Bottom @ 17' depth  
Sample Matrix: Soil  
Preservative: Cool  
Condition: Cool and Intact

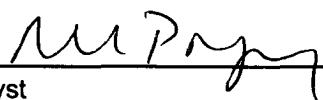
Project #: 92115-021-086  
Date Reported: 5/31/2005  
Date Sampled: 5/31/2005  
Date Analyzed: 5/31/2005  
Analysis Needed: TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	88.8	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: Riddle B No. 8

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

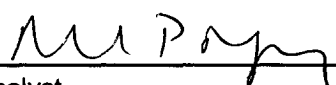
Client:	Burlington Resources	Project #:	92115-021-086
Sample No.:	2	Date Reported:	5/31/2005
Sample ID:	Walls, 4 Point Composite	Date Sampled:	5/31/2005
Sample Matrix:	Soil	Date Analyzed:	5/31/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	56.9	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: **Riddle B No. 8**

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

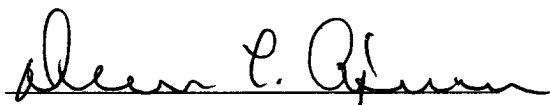
Client:	Burlington Resources	Project #:	92115-001-15329
Sample ID:	Riddle B <del>#</del> 2C	Date Reported:	01-26-06
Laboratory Number:	35845	Date Sampled:	01-20-06
Chain of Custody No:	15329	Date Received:	01-20-06
Sample Matrix:	Soil	Date Extracted:	01-24-06
Preservative:	Cool	Date Analyzed:	01-25-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

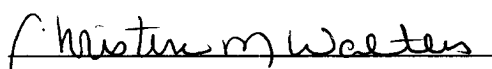
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Landfarm (2005 BG Proj) PID = 1.4**

  
Analyst

  
Review