

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: Pinon Mesa B No. 2 API #: 30045219930000 U/L or Qtr/Qtr H Sec 25 T 31N R 14W  
County: San Juan Latitude 36.87426 Longitude -108.25486 NAD: 1927 ☒ 1983 ☐  
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☒

<u>Pit</u>	<u>Below-grade tank</u>
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	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) 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) 0
	Ranking Score (Total Points) 0

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 Crouch Mesa. (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:

BTEX Lab analysis 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: 5/22/06

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:

Printed Name/Title \_\_\_\_\_ Signature [Signature]

Date: JUN 02 2006

DEPUTY OIL & GAS INSPECTOR, DIST. 1

CLIENT: <u>Burlington</u> <u>Resource</u>	<b>ENVIROTECH INC.</b> <hr/> ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0815	LOCATION NO: _____  C.O.C. NO: _____
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<b>FIELD REPORT: CLOSURE VERIFICATION</b>	PAGE No: <u>1</u> of <u>1</u>
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LOCATION: NAME: <u>Pinon Mesa</u> WELL #: <u>2</u> PIT: _____ QUAD/UNIT: <u>H</u> SEC: <u>25</u> TWP: <u>31N</u> RNG: <u>14W</u> PM: <u>NMPM</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1800'N</u> <u>1150'E</u> CONTRACTOR: <u>Calder</u>	DATE STARTED: <u>4/6/06</u> DATE FINISHED: <u>5/4/06</u> ENVIRONMENTAL SPECIALIST: <u>MPM / GWC</u>
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EXCAVATION APPROX. <u>68</u> FT. x <u>65</u> FT. x <u>27</u> FT. DEEP. CUBIC YARDAGE: <u>4,400 yd</u> est DISPOSAL FACILITY: <u>Crouch Mesa</u> REMEDIATION METHOD: <u>Landfarm</u> LAND USE: _____ LEASE: <u>4th Mn Tribal M00-C-1420-0025</u> FORMATION: _____
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FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>48'</u> FT. <u>125°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>0</u> NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER: <u>0</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</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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4/6 Strong hydrocarbon odors present. Per telephone conversation with Ed Harely, even though TPH value is close to acceptable standards; environmental excavation is necessary.

5/4 Soils excavated to horizontal and vertical extent. BTEX Sample taken at 27' BGS

SCALE

0 FT

	TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
4/6	0935	3' below	1	5	20	10	0.075	5200
5/4		SEE	418.1 Analysis					

PIT PERIMETER	OVM RESULTS	PIT PROFILE
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SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 3' below	835 ppm
2 12' TD	917 ppm
3	
4	
5 N. Wall	5
S. Wall	13
E. Wall	74
W. Wall	2
Bottom 27'	2016

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

x = Wall samples  
o = Bottom

TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-065
Sample No.:	1	Date Reported:	5/9/2006
Sample ID:	N. Wall, Discrete	Date Sampled:	5/4/2006
Sample Matrix:	Soil	Date Analyzed:	5/4/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	96	5.0

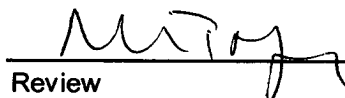
ND = Parameter not detected at the stated detection limit.

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

Comments: **Pinon Mesa B No. 2**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-065
Sample No.:	2	Date Reported:	5/9/2006
Sample ID:	S. Wall, Discrete	Date Sampled:	5/4/2006
Sample Matrix:	Soil	Date Analyzed:	5/4/2006
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>56</b>	<b>5.0</b>
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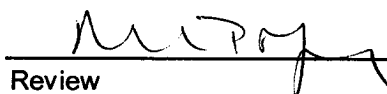
ND = Parameter not detected at the stated detection limit.

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

Comments: **Pinon Mesa B No. 2**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-065
Sample No.:	3	Date Reported:	5/9/2006
Sample ID:	E. Wall, Discrete	Date Sampled:	5/4/2006
Sample Matrix:	Soil	Date Analyzed:	5/4/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	56	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 and Waste, USEPA Storet No. 4551, 1978.

Comments: Pinon Mesa B No. 2

Instrument callibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

  
Review

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	Burlington Resources	Project #:	92115-065
Sample No.:	4	Date Reported:	5/9/2006
Sample ID:	W. Wall, Discrete	Date Sampled:	5/4/2006
Sample Matrix:	Soil	Date Analyzed:	5/4/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

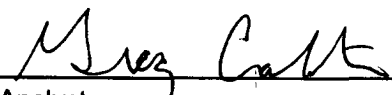
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	28	5.0

ND = Parameter not detected at the stated detection limit.

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

Comments: **Pinon Mesa B No. 2**

Instrument callibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

**EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS**

Client:	Burlington Resources	Project #:	92115-065
Sample No.:	5	Date Reported:	5/9/2006
Sample ID:	Bottom @ 27' Depth	Date Sampled:	5/4/2006
Sample Matrix:	Soil	Date Analyzed:	5/4/2006
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>40</b>	<b>5.0</b>
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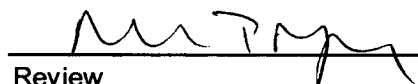
ND = Parameter not detected at the stated detection limit.

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

Comments: **Pinon Mesa B No. 2**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington Resources	Project #:	92115-065
Sample ID:	Bottom @ 27'	Date Reported:	05-10-06
Laboratory Number:	37043	Date Sampled:	05-04-06
Chain of Custody:	15877	Date Received:	05-04-06
Sample Matrix:	Soil	Date Analyzed:	05-10-06
Preservative:	Cool	Date Extracted:	05-09-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	107	1.8
Toluene	54.3	1.7
Ethylbenzene	32.6	1.5
p,m-Xylene	104	2.2
o-Xylene	62.2	1.0
Total BTEX	360	

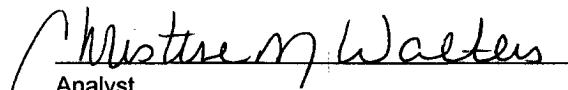
ND - Parameter not detected at the stated detection limit.

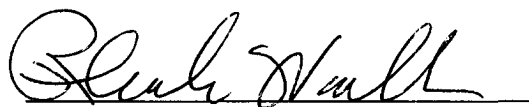
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Pinon Mesa B #2.

  
Analyst

  
Review