

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>Pinon Mesa B No. 2E</u> API #: <u>30045263880000</u> U/L or Qtr/Qtr <u>O</u> Sec <u>25</u> T <u>31N</u> R <u>14W</u>			
County: <u>San Juan</u> Latitude <u>36.86797</u> Longitude <u>-108.25690</u> NAD: 1927 ☒ 1983 ☐			
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☒			
Pit Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness <u> </u> mil Clay ☐ Pit Volume <u> </u> 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 ☐ If not, explain why not <u> </u> <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) 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 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) 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 . (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.
<u>The soils tested clean and no soil remediation was required</u>

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: 5/3/06

Printed Name/Title Mr. Ed Hasely, Environmental Advisor

Signature Ed Hasely

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. 1

Printed Name/Title Brandon Powell

Signature Brandon Powell

Date: MAY 05 2006

CLIENT: <u>Burlington</u>	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	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>Pinon Mesa B</u> WELL #: <u>2E</u> PIT: _____ QUAD/UNIT: <u>0</u> SEC: <u>25</u> TWP: <u>31N</u> RNG: <u>14W</u> PM: <u>NMPM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1190' S</u> <u>1710' E</u> CONTRACTOR: <u>Calder Services</u>	DATE STARTED: <u>4/13/06</u> DATE FINISHED: <u>4/13/06</u> ENVIRONMENTAL SPECIALIST: <u>MPM</u>
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EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP.	CUBIC YARDAGE: <u>0</u>	
DISPOSAL FACILITY: <u>N/A</u>	REMEDIAATION METHOD: _____	
LAND USE: _____	LEASE: _____	FORMATION: _____

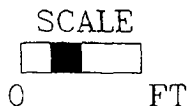
FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>65'</u> FT. <u>50°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>0</u> NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER: <u>0</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM
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SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: ☒ PIT ABANDONED ☐ STEEL TANK INSTALLED
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Facilities already re-set. Light gray clayey soils beneath BGT. Slight hydrocarbon odor. BTEX Sample taken.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0941	3' Below	1	5	20	1	0.086	597 ppm



PIT PERIMETER

OVM RESULTS

PIT PROFILE

	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> <tr><td>1 3' Below</td><td>540</td></tr> <tr><td>2</td><td> </td></tr> <tr><td>3</td><td> </td></tr> <tr><td>4</td><td> </td></tr> <tr><td>5</td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 3' Below	540	2		3		4		5										x = Sample point
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TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-067
Sample No.:	1	Date Reported:	4/13/2006
Sample ID:	Discrete, 3' Below BG Tank	Date Sampled:	4/13/2006
Sample Matrix:	Soil	Date Analyzed:	4/13/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

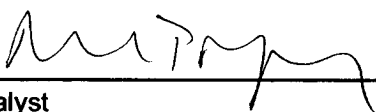
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	597	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: Pinon Mesa B No. 2E



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	Burlington Resources	Project #:	92115-067
Sample ID:	QA/QC	Date Reported:	4/13/2006
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	1,786	2.9%	+/- 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 Pinon Mesa B No. 2E

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington Resources	Project #:	92115-067
Sample ID:	3' Below BGT	Date Reported:	04-18-06
Laboratory Number:	36799	Date Sampled:	04-13-06
Chain of Custody:	15810	Date Received:	04-13-06
Sample Matrix:	Soil	Date Analyzed:	04-18-06
Preservative:	Cool	Date Extracted:	04-14-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	7.0	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	82.8	2.2
o-Xylene	9.7	1.0
Total BTEX	100	

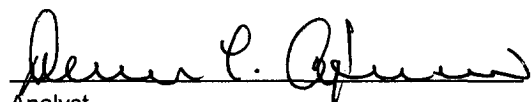
ND - Parameter not detected at the stated detection limit.

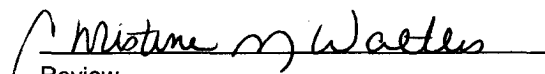
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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 2E.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: N/A
Sample ID: 04-18-BTEX QA/QC
Laboratory Number: 36797
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 04-18-06
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 04-18-06
Analysis: BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	8.0547E+007	8.0709E+007	0.2%	ND	0.2
Toluene	5.6723E+007	5.6836E+007	0.2%	ND	0.2
Ethylbenzene	3.5293E+007	3.5364E+007	0.2%	ND	0.2
p,m-Xylene	9.2471E+007	9.2657E+007	0.2%	ND	0.2
o-Xylene	4.2612E+007	4.2697E+007	0.2%	ND	0.1

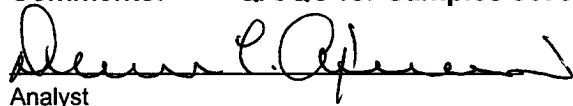
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	78.1	78.0	0.1%	0 - 30%	1.7
Ethylbenzene	35.7	35.6	0.3%	0 - 30%	1.5
p,m-Xylene	791	790	0.1%	0 - 30%	2.2
o-Xylene	123	122	0.4%	0 - 30%	1.0

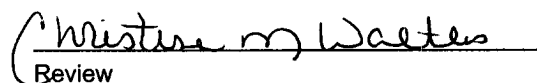
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	78.1	50.0	128	99.8%	46 - 148
Ethylbenzene	35.7	50.0	85.6	99.9%	32 - 160
p,m-Xylene	791	100	889	99.8%	46 - 148
o-Xylene	123	50.0	173	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 36797 - 36799, 36822.


Analyst


Review

15810

san juan reproduction 578-129