

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: Louis.E.Hasely@conocophillips.com
Address: 3401 East 30th Street, Farmington, New Mexico, 87402
Facility or well name: Huerfano Unit # 167 API #: 3004520062 U/L or Qtr/Qtr F Sec 23 T 26N R 10W
County: San Juan Latitude 36.475946 Longitude -107.86912 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

RCVD APR 19 2007

Pit Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ 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 ☐ 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 _____. (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:

Soil passed no excavation needed.

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: 3/30/07

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.

Oil & Gas Inspector, Dist. 3

Approval:

Printed Name/Title [Signature] Signature [Signature] Date: APR 19 2007

CLIENT: _____	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 84-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: _____ C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION		PAGE No: _____ of _____
LOCATION: NAME: <u>HDERFANG UNIT</u> WELL #: <u>1107</u> PIT: _____ QUAD/UNIT: <u>18500</u> SEC: <u>23</u> TWP: <u>26N</u> RNG: <u>10 W</u> PM: <u>AKPH</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1825 FNL</u> <u>1650 FNL</u> CONTRACTOR: <u>LJR</u>		DATE STARTED: <u>02/16/07</u> DATE FINISHED: <u>02/16/07</u> ENVIRONMENTAL SPECIALIST: <u>ENH</u>

EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP. CUBIC YARDAGE: _____
DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____
LAND USE: <u>GRAZE</u> APT. LEASE: <u>30-045-20062</u> FORMATION: <u>BASIN</u>

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>72</u> FT. <u>120°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION: <u>PIT PASSED NO EXCAVATION NEEDED</u>		CHECK ONE : ☐ PIT ABANDONED ☒ STEEL TANK INSTALLED
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SCALE

 0 FT

FIELD 418.1 CALCULATIONS							
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
	<u>200510</u>					<u>.125</u>	<u>216.8</u>
<u>10:00</u>	<u>3 BELOW BT</u>	<u>1</u>	<u>5</u>	<u>20</u>	<u>0</u>	<u>.025</u>	<u>173.5</u>

PIT PERIMETER

OVM RESULTS

PIT PROFILE

	<table border="1" style="width:100%"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> <tr><td>1</td><td><u>2440</u></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> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1	<u>2440</u>	2		3		4		5														
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TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

36.475946 -107.86912

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client: Burlington
Sample No.: 1
Sample ID: Discrete 3' Below BGT
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-121-020
Date Reported: 2/20/2007
Date Sampled: 2/16/2007
Date Analyzed: 2/16/2007
Analysis Needed: TPH-418.1

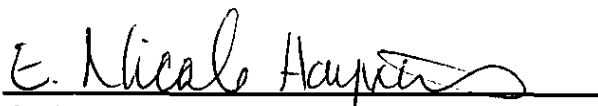
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	173.5	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: Huerfano Unit #167


Analyst


Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS QUALITY ASSURANCE REPORT

Client:		Project #:	92115-121-020
Sample ID:	QA/QC	Date Reported:	2/8/2007
Laboratory Number:	01-24-TPH.QA/QC	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	2/16/2007
Preservative:	N/A	Date Extracted:	2/16/2007
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	2/16/2007	1,735	1,600	7.8%	+/- 10%

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

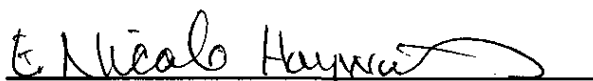
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	2,471	2,352	4.8%	+/- 30%

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 # 167


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington	Project #:	92115-121-020
Sample ID:	3 ft Below BGT	Date Reported:	02-19-07
Laboratory Number:	40138	Date Sampled:	02-16-07
Chain of Custody:	2109	Date Received:	02-16-07
Sample Matrix:	Soil	Date Analyzed:	02-19-07
Preservative:	Cool	Date Extracted:	02-16-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	46.3	1.8
Toluene	176	1.7
Ethylbenzene	268	1.5
p,m-Xylene	1,020	2.2
o-Xylene	111	1.0
Total BTEX	1,620	

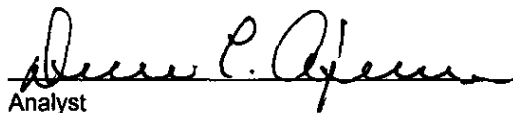
ND - Parameter not detected at the stated detection limit.

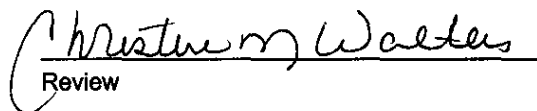
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Huerfano Unit 167


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	02-19-BTEX QA/QC	Date Reported:	02-19-07
Laboratory Number:	40132	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-19-07
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	3.4894E+007	3.4964E+007	0.2%	ND	0.2
Toluene	4.6693E+007	4.6787E+007	0.2%	ND	0.2
Ethylbenzene	2.5136E+007	2.5186E+007	0.2%	ND	0.2
p,m-Xylene	9.3989E+007	9.4177E+007	0.2%	ND	0.2
o-Xylene	4.1231E+007	4.1313E+007	0.2%	ND	0.1

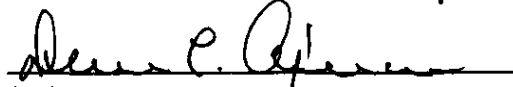
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect Limit
Benzene	3.6	3.6	0.0%	0 - 30%	1.8
Toluene	17.7	17.7	0.0%	0 - 30%	1.7
Ethylbenzene	5.7	5.7	0.0%	0 - 30%	1.5
p,m-Xylene	45.3	45.2	0.2%	0 - 30%	2.2
o-Xylene	28.2	28.1	0.4%	0 - 30%	1.0

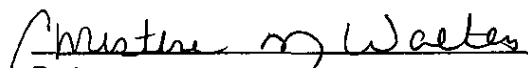
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	3.6	50.0	53.6	100.0%	39 - 150
Toluene	17.7	50.0	67.6	99.9%	46 - 148
Ethylbenzene	5.7	50.0	55.6	99.8%	32 - 160
p,m-Xylene	45.3	100	145	99.9%	46 - 148
o-Xylene	28.2	50.0	78.0	99.7%	46 - 148

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 40132 - 40136, 40138 - 40139


Analyst


Review

CHAIN OF CUSTODY RECORD

[illegible]