

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>Louis.E.Hasely@conocophillips.com</u>		
Address: <u>3401 East 30<sup>th</sup> Street, Farmington, New Mexico, 87402</u>		
Facility or well name: <u>Huerfano Unit # 187</u>	API #: <u>3004520417</u>	U/L or Qtr/Qtr: <u>    </u> Sec: <u>    </u> T: <u>    </u> R: <u>    </u>
County: <u>San Juan</u>	Latitude: <u>36.4354</u>	Longitude: <u>-107.82549</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>RCVD APR27'07</b>
<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input checked="" 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: <u>    </u> mil Clay <input type="checkbox"/> Pit Volume: <u>    </u> bbl	<b>Below-grade tank</b> Volume: <u>60</u> bbl Type of fluid: <u>Produced Water and Incident</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
<b>Ranking Score (Total Points)</b>		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
Field TPH passed no excavation necessary BTEX results 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: 4/13/07  
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.

Approval  
Printed Name/Title: [Signature] Signature: [Signature] Date: JUL 25 2007

Deputy Oil & Gas Inspector,  
District #3

CLIENT: _____	<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>1</u>
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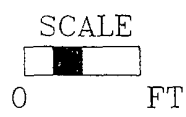
LOCATION NAME: <u>HUARFANO</u> WELL #: <u>187</u> PIT _____ QUAD/UNIT <u>B</u> SEC <u>6</u> TWP. <u>25N</u> RNG <u>9W</u> PM <u>PM</u> CNTY: <u>San Juan ST. NM</u> QTR/FOOTAGE: _____ CONTRACTOR: _____	DATE STARTED <u>9-Mar</u> DATE FINISHED <u>9-Mar</u> ENVIRONMENTAL SPECIALIST <u>JT</u>
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EXCAVATION APPROX <u>0</u> FT. x <u>0</u> FT. x <u>0</u> FT. DEEP	CUBIC YARDAGE: <u>0</u>	DISPOSAL FACILITY: <u>N/A</u>
LAND USE: <u>grazing</u>	REMEDIAL ACTION: <u>API LEASE 30045 20417</u>	METHOD: <u>N/A</u>
FORMATION: _____		

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>55</u> FT. <u>250°</u> FROM WELLHEAD DEPTH TO GROUNDWATER: <u>0</u> NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER <u>0</u> NMOC RANKING SCORE: <u>0</u> NMOC TPH CLOSURE STD: <u>5000</u> PPM
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SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED
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Soil tested clean, no soil remediation required



FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC ppm
1115	STANDARD (200)				—	186	186
1130	Bottom		5	20	4	797	3188

**PIT PERIMETER**

**OVM RESULTS**

**PIT PROFILE**

SAMPLE ID	FIELD HEADSPACE P10 (ppm)
1	
2 Bottom	1497
3	
4	
5	

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES	CALLOUT: _____ ONSITE: _____
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LAT: 36.4354 LONG: -107.82549

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Burlington	Project #:	92115-121-028
Sample No.:	1	Date Reported:	3/20/2007
Sample ID:	Discrete, 3' Below BGT	Date Sampled:	3/9/2007
Sample Matrix:	Soil	Date Analyzed:	3/9/2007
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	3,190	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 # 187**

Instrument callibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst


  
\_\_\_\_\_  
Review


CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 9-Mar-07

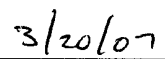
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	186
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Review

  
\_\_\_\_\_  
Date

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington	Project #:	92115-121-028
Sample ID:	Bottom	Date Reported:	03-13-07
Laboratory Number:	40381	Date Sampled:	03-09-07
Chain of Custody:	2219	Date Received:	03-09-07
Sample Matrix:	Soil	Date Analyzed:	03-13-07
Preservative:	Cool	Date Extracted:	03-12-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	198	1.7
Ethylbenzene	285	1.5
p,m-Xylene	3,730	2.2
o-Xylene	448	1.0
Total BTEX	4,660	

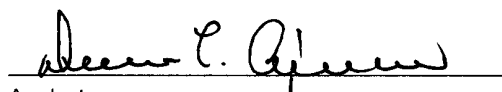
ND - Parameter not detected at the stated detection limit.

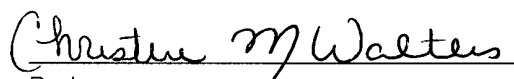
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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 #187

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	03-13-BTEX QA/QC	Date Reported:	03-13-07
Laboratory Number:	40381	Date Sampled:	N/A
Sample Matrix:	Solid	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-13-07
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	2.6850E+007	2.6904E+007	0.2%	ND	0.2
Toluene	5.9002E+007	5.9120E+007	0.2%	ND	0.2
Ethylbenzene	3.0000E+007	3.0060E+007	0.2%	ND	0.2
p,m-Xylene	1.2781E+008	1.2807E+008	0.2%	ND	0.2
o-Xylene	5.9719E+007	5.9839E+007	0.2%	ND	0.1

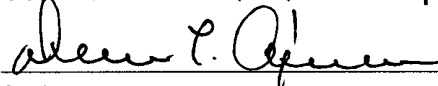
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	198	197	0.5%	0 - 30%	1.7
Ethylbenzene	285	286	0.4%	0 - 30%	1.5
p,m-Xylene	3,730	3,720	0.3%	0 - 30%	2.2
o-Xylene	448	449	0.2%	0 - 30%	1.0

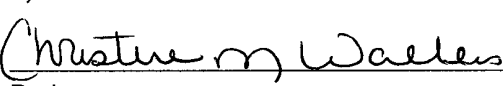
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	198	50.0	247	99.8%	46 - 148
Ethylbenzene	285	50.0	334	99.8%	32 - 160
p,m-Xylene	3,730	100	3,820	99.7%	46 - 148
o-Xylene	448	50.0	497	99.8%	46 - 148

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 40381, 40389 - 40390, 40397

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

2219

Client / Project Name <b>BURLINGTON</b>			Project Location <b>HUERFANO #187</b>		ANALYSIS / PARAMETERS																			
Sampler: <b>J. THOMPSON</b>			Client No. <b>92115-121-028</b>		No. of Containers <b>8021</b>	<b>X</b>						Remarks												
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix																				
<b>BOTTOM</b>	<b>9-MAR</b>	<b>1138</b>	<b>40381</b>	<b>Soil</b>																				
Relinquished by: (Signature) <b>J. Thompson</b>			Date <b>9-MAR</b>	Time <b>1305</b>	Received by: (Signature) <b>Blanche Vail</b>						Date <b>3/9/07</b>	Time <b>1305</b>												
Relinquished by: (Signature)					Received by: (Signature)																			
Relinquished by: (Signature)					Received by: (Signature)																			
<b>ENVIROTECH INC.</b> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615											Sample Receipt <table border="1"> <tr> <td></td> <td>Y</td> <td>N</td> <td>N/A</td> </tr> <tr> <td>Received Intact</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>Cool - Ice/Blue Ice</td> <td>✓</td> <td></td> <td></td> </tr> </table>			Y	N	N/A	Received Intact	✓			Cool - Ice/Blue Ice	✓		
	Y	N	N/A																					
Received Intact	✓																							
Cool - Ice/Blue Ice	✓																							