

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 #210 E</u> API #: <u>3004526680</u> U/L or Qtr/Qtr <u>A</u> Sec <u>35</u> T <u>27N</u> R <u>10W</u>		
County: <u>San Juan</u> Latitude <u>36.536353</u> Longitude <u>-107.85883</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>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 _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	<b>Below-grade tank</b> 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
<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.	
Soil passed 418 I standard of 5000ppm The sample failed OVM of 100ppm, a sample was ran for BTEX and passed the standard of 50000ppb.	
No excavation needed.	
RCVD APR27'07	
OIL CONS. DIV.	
DIST. 3	

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: 4/16/07

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:

Printed Name/Title: \_\_\_\_\_ 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: _____ of _____
LOCATION: NAME <u>HUERFANO</u> WELL # <u>210E</u> PIT: _____		DATE STARTED <u>03/19/07</u> DATE FINISHED _____
QUAD/UNIT: <u>A SEC 35 TWP 27 RNG 10 PM NHPM CNTY: SS ST NM</u>		ENVIRONMENTAL SPECIALIST <u>ENH</u>
QTR/FOOTAGE: <u>960 FNL 820 FEL</u> CONTRACTOR: <u>CALDER</u>		

EXCAVATION APPROX _____ FT. x _____ FT. x _____ FT. DEEP	CUBIC YARDAGE: _____
DISPOSAL FACILITY: _____	REMEDIAATION METHOD: _____
LAND USE: <u>RANGE</u>	APT LEASE: <u>30-045-26680</u> FORMATION: <u>BASIN</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>55</u> FT. <u>230°</u> FROM WELLHEAD.	
DEPTH TO GROUNDWATER: <u>&gt;100</u>	NEAREST WATER SOURCE: <u>&gt;1000</u>	NEAREST SURFACE WATER: <u>&gt;1000</u>
NMOC D RANKING SCORE: <u>0</u>	NMOC D TPH CLOSURE STD: <u>5000</u> PPM	
SOIL AND EXCAVATION DESCRIPTION:		

CHECK ONE :  
☐ PIT ABANDONED  
☒ STEEL TANK INSTALLED

@ 3 FT BELOW BGT SOIL PASSED  
 No EXCAVATION NEEDED

SCALE

0 FT

TIME	SAMPLE ID	LAB No	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
1:30	3' BELOW BGT	1	5	20	-	1245	4980

PIT PERIMETER

OVM RESULTS

PIT PROFILE

	<table border="1" style="width: 100%;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>1421</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> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1	1421	2		3		4		5					
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<table border="1" style="width: 100%;"> <caption>LAB SAMPLES</caption> <thead> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>			SAMPLE ID	ANALYSIS	TIME												
SAMPLE ID	ANALYSIS	TIME															

TRAVEL NOTES. _____	CALLOUT. _____	ONSITE. _____
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36.536353      -107.85883

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Burlington	Project #:	92115-121-034
Sample No.:	1	Date Reported:	3/22/2007
Sample ID:	Discrete, 3' Below BGT	Date Sampled:	3/19/2007
Sample Matrix:	Soil	Date Analyzed:	3/19/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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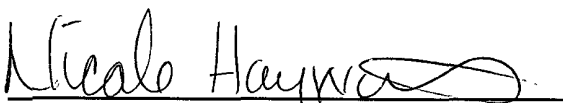
<b>Total Petroleum Hydrocarbons</b>	<b>4,980.0</b>	<b>5.0</b>
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ND = Parameter not detected at the stated detection limit.

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

Comments: **Huerfano Unit # 210 E**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
Analyst

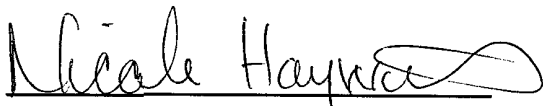
  
Review

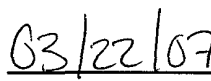
CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

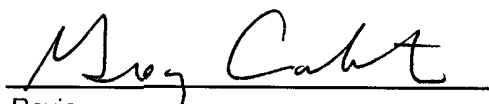
Cal. Date: 19-Mar-07

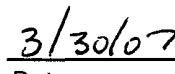
Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	197
	200	
	500	
	1000	

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 #:	92115-121-034
Sample ID:	3' Below BGT	Date Reported:	03-21-07
Laboratory Number:	40548	Date Sampled:	03-19-07
Chain of Custody:	2300	Date Received:	03-20-07
Sample Matrix:	Soil	Date Analyzed:	03-21-07
Preservative:	Cool	Date Extracted:	03-20-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	11.2	1.8
Toluene	400	1.7
Ethylbenzene	407	1.5
p,m-Xylene	4,620	2.2
o-Xylene	1,720	1.0
Total BTEX	7,160	

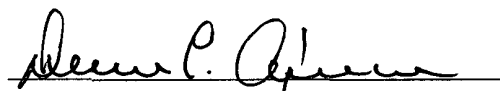
ND - Parameter not detected at the stated detection limit.


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: Huerfano 210E

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	03-21-BTEX QA/QC	Date Reported:	03-21-07
Laboratory Number:	40544	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-21-07
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	3.3508E+007	3.3575E+007	0.2%	ND	0.2
Toluene	6.2071E+007	6.2195E+007	0.2%	ND	0.2
Ethylbenzene	3.0528E+007	3.0590E+007	0.2%	ND	0.2
p,m-Xylene	1.2654E+008	1.2679E+008	0.2%	ND	0.2
o-Xylene	6.2556E+007	6.2682E+007	0.2%	ND	0.1

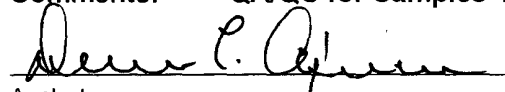
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	2.1	2.1	0.0%	0 - 30%	1.5
p,m-Xylene	15.0	14.9	0.7%	0 - 30%	2.2
o-Xylene	7.5	7.4	1.3%	0 - 30%	1.0

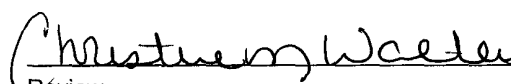
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	2.1	50.0	52.1	100.0%	32 - 160
p,m-Xylene	15.0	100	115	99.6%	46 - 148
o-Xylene	7.5	50.0	57.4	99.8%	46 - 148

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 40544 - 40548

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

2300

Client / Project Name <b>BURLINGTON</b>			Project Location <b>HUERFANO 210 E</b>		ANALYSIS / PARAMETERS								
Sampler: <b>MR. HAYWORTH</b>			Client No. <b>92115-121-034</b>		No. of Containers <b>1</b>	<b>✓</b>						Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<b>3' BELOW BBT</b>	<b>03/19/07</b>	<b>1330</b>	<b>40548</b>	<b>SOIL</b>									
Relinquished by: (Signature) <i>E. Michele Hayden</i>			Date <b>03/20/07</b>	Time <b>1400</b>	Received by: (Signature) <i>Rene Vaulle</i>			Date <b>3/20/07</b>	Time <b>1400</b>				
Relinquished by: (Signature)					Received by: (Signature)								
Relinquished by: (Signature)					Received by: (Signature)								
<div style="text-align: center;"> <b>ENVIROTECH INC.</b>  <hr/> 5796 U.S. Highway 64  Farmington, New Mexico 87401  (505) 632-0615 </div>										Sample Receipt			
											Y	N	N/A
										Received Intact	<input checked="" type="checkbox"/>		
										Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>		