

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>Chevron Production Co.</u> Telephone: <u>(505) 334-7117</u> e-mail address: <u>MArcher@chevron.com</u>		
Address: <u>322 County Road 3100, Aztec, NM 87410</u>		
Facility or well name: <u>Rincon #27</u> API #: <u>30-039-07035</u> U/L or Qtr/Qtr <u>M</u> Sec <u>13</u> T <u>27</u> N <u>R</u> <u>7W</u>		
County: <u>Rio Arriba</u> Latitude <u>36.570872</u> Longitude <u>-107.53332</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 OCT 3 '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 checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>2</u> Layers of <u>6mil</u> with thin fiberglass layer between Clay <input type="checkbox"/> Pit Volume <u>7</u> bbl	<b>Below-grade tank</b> Volume: <u>    </u> bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.	<b>OIL CONS. DIV.</b> <b>DIST. 3</b>
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
<b>Ranking Score (Total Points)</b>		<b>0</b>

**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 TPH standard of 5000 ppm using USEPA Method 418.1, the 100 ppm OVM standard 3 feet below lowest layer of liner, and 10 ppm Benzene and 50 ppm BTEX standard for the soil inside the lined pit.

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: 10-10-07

Printed Name/Title Mr. Michael W. Archer - HES Specialist

Signature Michael W. Archer

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 Brandon Orell

Date: OCT 11 2007

Deputy Oil & Gas Inspector,  
District #3

CLIENT: <u>Chercon</u>  <u>92270-170-014</u>	<b>ENVIROTECH INC.</b> <small>ENVIRONMENTAL SCIENTISTS &amp; ENGINEERS</small> 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: _____  C.D.C. NO: _____
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<b>FIELD REPORT: CLOSURE VERIFICATION</b>	PAGE No: _____ of _____
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LOCATION: NAME: <u>RINCON</u> WELL #: <u>27</u> PIT: _____ QUAD/UNIT: <u>M</u> SEC: <u>13</u> TWP: <u>27</u> RNG: <u>7</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>990' FSL</u> <u>990' FWL</u> CONTRACTOR: _____	DATE STARTED <u>08/29/07</u> DATE FINISHED: <u>08/29/07</u> ENVIRONMENTAL SPECIALIST: <u>RLK/BNH</u>
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EXCAVATION APPROX _____ FT. x _____ FT. x _____ FT. DEEP	CUBIC YARDAGE: _____
DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____	
LAND USE: _____ LEASE: <u>6F 079298</u> FORMATION: _____	

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>95</u> FT. <u>340</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&gt;1000</u> NEAREST WATER SOURCE: <u>&gt;1000</u> NEAREST SURFACE WATER: <u>&gt;1000</u> NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION: <u>REFUSAL 2.5'</u> <u>8x11x2</u>
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CHECK ONE : <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED
---

SCALE

0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D	LAB No	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC ppm
	200 STD					199	
	IN PIT	1	5	20	4	134	536
	2.5' BELOW PIT	2	5	20	4	03	12

PIT PERIMETER

<p style="text-align: center;">PIT PERIMETER</p>	<p>OVN RESULTS</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1</td><td>1</td></tr> <tr><td>2</td><td>2</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	1	2	2	3		4		5		<p style="text-align: center;">PIT PROFILE</p>
SAMPLE ID	FIELD HEADSPACE PID (ppm)													
1	1													
2	2													
3														
4														
5														

TRAVEL NOTES.	CALLOUT: _____	ONSITE: <u>10:30-11:00</u>
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30-039-07075      30.570872 -107.53332

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-170-014
Sample No.:	1	Date Reported:	9/4/2007
Sample ID:	Compostie, Inside Lined Pit	Date Sampled:	8/29/2007
Sample Matrix:	Soil	Date Analyzed:	8/29/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

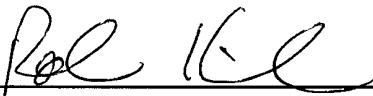
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	536	5.0

ND = Parameter not detected at the stated detection limit.

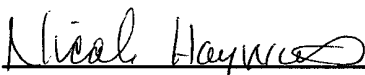
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Rincon # 27**

Instrument callibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

**Robin Kibler**  
\_\_\_\_\_  
Printed

  
\_\_\_\_\_  
Review

**Nicole Hayworth**  
\_\_\_\_\_  
Printed

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-170-014
Sample No.:	2	Date Reported:	9/4/2007
Sample ID:	Discrete, 3' below Pit	Date Sampled:	8/29/2007
Sample Matrix:	Soil	Date Analyzed:	8/29/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

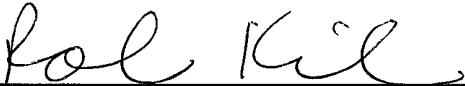
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	12	5.0

ND = Parameter not detected at the stated detection limit.

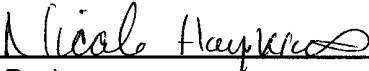
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Rincon # 27**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

**Robin Kibler**  
\_\_\_\_\_  
Printed

  
\_\_\_\_\_  
Review

**Nicole Hayworth**  
\_\_\_\_\_  
Printed

CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 29-Aug-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	199
	200	
	500	
	1000	

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

Rol Kil  
Analyst

9/5/07  
Date

Robin Kibler  
Printed

Nicole Hayworth  
Review

09/05/07  
Date

Nicole Hayworth  
Printed

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-170-014
Sample ID:	Pit	Date Reported:	09-04-07
Laboratory Number:	42924	Date Sampled:	08-29-07
Chain of Custody:	3329	Date Received:	08-29-07
Sample Matrix:	Soil	Date Analyzed:	09-04-07
Preservative:	Cool	Date Extracted:	08-31-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	22.3	0.9
Toluene	149	1.0
Ethylbenzene	127	1.0
p,m-Xylene	1,250	1.2
o-Xylene	769	0.9
Total BTEX	2,320	

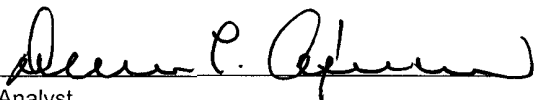
ND - Parameter not detected at the stated detection limit.


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: Rincon #27

  
Analyst

  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-04-BTEX QA/QC	Date Reported:	09-04-07
Laboratory Number:	42915	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-04-07
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	1.0714E+008	1.0736E+008	0.2%	ND	0.1
Toluene	8.8479E+007	8.8656E+007	0.2%	ND	0.1
Ethylbenzene	6.7263E+007	6.7397E+007	0.2%	ND	0.1
p,m-Xylene	1.2537E+008	1.2562E+008	0.2%	ND	0.1
o-Xylene	6.0211E+007	6.0332E+007	0.2%	ND	0.1

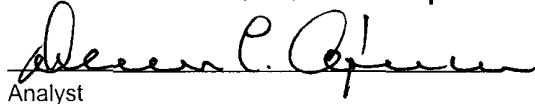
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff:	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	6.1	6.0	1.6%	0 - 30%	1.0
Ethylbenzene	4.5	4.5	0.0%	0 - 30%	1.0
p,m-Xylene	17.1	17.0	0.6%	0 - 30%	1.2
o-Xylene	5.6	5.6	0.0%	0 - 30%	0.9

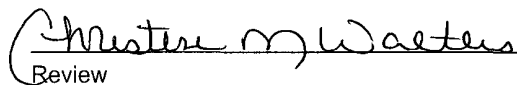
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	6.1	50.0	56.0	99.8%	46 - 148
Ethylbenzene	4.5	50.0	54.5	100.0%	32 - 160
p,m-Xylene	17.1	100	117	99.8%	46 - 148
o-Xylene	5.6	50.0	55.5	99.8%	46 - 148

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 42915 - 42922, 42924 - 42925

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

3329

Client: <b>Chevron</b>			Project Name / Location: <b>Rincon #27</b>				ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: <b>R Kibler</b>				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)					Sample Cool	Sample Intact
Client Phone No.:			Client No.: <b>92270-170-014</b>																		
Sample No / Identification	Sample Date	Sample Time	Lab No	Sample Matrix	No / Volume of Containers	Preservative															
						H <sub>2</sub> O <sub>2</sub>	HNO <sub>3</sub>														
<b>Pit</b>	<b>8-29</b>	<b>0000</b>	<b>42924</b>	<b>Soil</b>	<b>1</b>															<b>✓</b>	<b>✓</b>
Relinquished by: (Signature) <b>Rol K</b>					Date	Time	Received by: (Signature) <b>Bluh &amp; Vorth</b>					Date	Time								
					<b>8-29-07</b>	<b>4:51</b>						<b>8/29/07</b>	<b>1651</b>								
Relinquished by: (Signature)							Received by: (Signature)														
Relinquished by: (Signature)							Received by: (Signature)														

**ENVIROTECH INC.**

5796 U.S. Highway 64 • Farmington, New Mexico 87401 • (505) 632-0615