

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

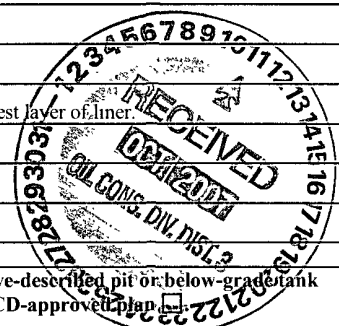
Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

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 #41</u>			API #: <u>30-039-0705-160090</u>			U/L or Qtr/Qtr <u>A</u> Sec <u>35</u> T. <u>27N</u> R. <u>6W</u>		
County: <u>Rio Arriba</u>			Latitude <u>36.572143</u>			Longitude <u>-107.46617</u> NAD. 1927 ☒ 1983 ☐		
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐								
Pit			Below-grade tank					
Type: Drilling ☐ Production ☐ Disposal ☒ Workover ☐ Emergency ☐			Volume: <u> </u> bbl Type of fluid:					
Lined ☒ Unlined ☐			Construction material:					
Liner type: Synthetic ☐ Thickness <u>2 Layers of 6mil plastic with thin fiberglass layer between</u> Clay ☐			Double-walled, with leak detection? Yes ☐ If not, explain why not					
Pit Volume <u>4</u> bbl								
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 Envirotech's Landfarm #2. (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 and the 100ppm OVM standard inside the liner.
Soil passed TPH standard of 5000 ppm using USEPA Method 418.1, the 10ppm benzene and 50ppm BTEX standards 3 feet below lowest layer of liner.



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:

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature [Signature]

Date: OCT 29 2007

CLIENT: _____ 040	ENVIROTECH INC. ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 US HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	LOCATION NO: _____ C.O.C. NO: _____
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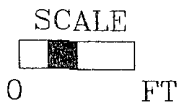
FIELD REPORT: CLOSURE VERIFICATION	PAGE No: _____ of _____
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LOCATION: NAME <u>Rincon</u> WELL #: <u>41</u> PIT. QUAD/UNIT: <u>A</u> SEC: <u>35</u> TWP: <u>27N</u> RNG: <u>7W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>990N 990E</u> CONTRACTOR: _____	DATE STARTED <u>9-14</u> DATE FINISHED <u>9-24</u> ENVIRONMENTAL SPECIALIST: <u>RLK/ENH</u>
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EXCAVATION APPROX _____ FT. x _____ FT. x _____ FT. DEEP	CUBIC YARDAGE: _____
DISPOSAL FACILITY: _____	REMEDICATION METHOD: _____
LAND USE: <u>RANGE</u>	LEASE: <u>SF040385</u> FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>70</u> FT. <u>130°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>2100</u> NEAREST WATER SOURCE: <u>21000</u> NEAREST SURFACE WATER: <u>21000</u> NMCD RANKING SCORE: <u>0</u> NMCD TPH CLOSURE STD: <u>5000</u> PPM SOIL AND EXCAVATION DESCRIPTION: 11x8x1 WATER B/M LINERS
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CHECK ONE:
☐ PIT ABANDONED
☒ STEEL TANK INSTALLED



FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D	LAB No:	WEIGHT (g)	mL FREON	DILUTION	READING	CALC ppm
	<u>200</u>	<u>Standard</u>				<u>204</u>	
	<u>1</u>	<u>PIT</u>	<u>5</u>	<u>20</u>	<u>4</u>	<u>65</u>	<u>2100</u>
	<u>2</u>	<u>3' BELOW</u>	<u>5</u>	<u>20</u>	<u>4</u>	<u>515</u>	<u>2660</u>

PIT PERIMETER

OVN 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 PIT</td><td>8.0</td></tr> <tr><td>2 3' below</td><td>2360</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> <table border="1" style="width:100%"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <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	FIELD HEADSPACE PID (ppm)	1 PIT	8.0	2 3' below	2360	3		4		5		LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME													
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TRAVEL NOTES.	CALLOUT: _____	ONSITE: _____
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30-039-60090 2:15 - 2:30 36.535398 -107.53925

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-170-048
Sample No.:	1	Date Reported:	10/1/2007
Sample ID:	Composite, Inside Lined Pit	Date Sampled:	9/14/2007
Sample Matrix:	Soil	Date Analyzed:	9/14/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	260	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 #41**

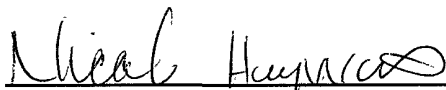
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Robin Kibler

Printed



Review

Nicole Hayworth

Printed

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 14-Sep-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	204
	200	
	500	
	1000	

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



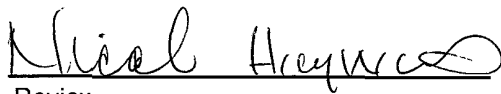
Analyst

10-1-07

Date

Robin Kibler

Printed



Review

10/01/07

Date

Nicole Hayworth

Printed

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-170-048
Sample No.:	2	Date Reported:	10/1/2007
Sample ID:	Discrete, 3' below Pit	Date Sampled:	9/24/2007
Sample Matrix:	Soil	Date Analyzed:	9/24/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	2,060	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 #41**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

David Young

Printed

Review

Nicole Hayworth

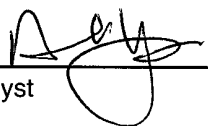
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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 24-Sep-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	204
	200	
	500	
	1000	

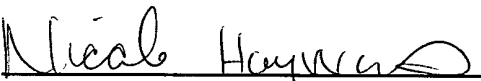
The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.



Analyst

David Young

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Review

Nicole Hayworth

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10-2-07

Date

10/02/07

Date

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-170-048
Sample ID:	3' Below	Date Reported:	09-26-07
Laboratory Number:	43145	Date Sampled:	09-24-07
Chain of Custody:	3424	Date Received:	09-24-07
Sample Matrix:	Soil	Date Analyzed:	09-26-07
Preservative:	Cool	Date Extracted:	09-25-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	34.9	1.0
Ethylbenzene	150	1.0
p,m-Xylene	702	1.2
o-Xylene	429	0.9
Total BTEX	1,320	

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: Rincon 41


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-26-BTEX QA/QC	Date Reported:	09-26-07
Laboratory Number:	43145	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-26-07
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	1.2335E+008	1.2359E+008	0.2%	ND	0.1
Toluene	1.1011E+008	1.1033E+008	0.2%	ND	0.1
Ethylbenzene	8.5843E+007	8.6015E+007	0.2%	ND	0.1
p,m-Xylene	1.6703E+008	1.6736E+008	0.2%	ND	0.1
o-Xylene	7.9427E+007	7.9586E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect Limit
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Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	34.9	34.8	0.3%	0 - 30%	1.0
Ethylbenzene	150	149	0.4%	0 - 30%	1.0
p,m-Xylene	702	701	0.1%	0 - 30%	1.2
o-Xylene	429	429	0.1%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
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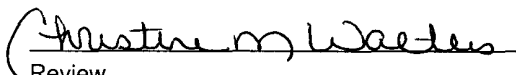
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	34.9	50.0	84.7	99.8%	46 - 148
Ethylbenzene	150	50.0	199	99.5%	32 - 160
p,m-Xylene	702	100	800	99.8%	46 - 148
o-Xylene	429	50.0	478	99.7%	46 - 148

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 43145, 43147, 43149 - 43155


Analyst


Review

CHAIN OF CUSTODY RECORD

3424

Client: <i>Chesron</i>			Project Name / Location: <i>Rincon 41</i>			ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: <i>dmj</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)					Sample Cool	Sample Intact
Client Phone No.:			Client No.: <i>92270-170-048</i>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No /Volume of Containers	Preservative HgCl ₂ HNO ₃														
<i>3' below</i>	<i>9-24</i>	<i>15:00</i>	<i>43145</i>	<i>S</i>	<i>1</i>				<i>X</i>										<i>✓</i>	<i>✓</i>
Relinquished by: (Signature) <i>[Signature]</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>					Date	Time							
					<i>9-24</i>	<i>18:15</i>						<i>9/24/07</i>	<i>1815</i>							
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