

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

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 #40</u> API #: <u>30-039-06907</u> U/L or Qtr/Qtr <u>H</u> Sec <u>26</u> T <u>27</u> N <u>R</u> <u>7W</u>		
County: <u>Rio Arriba</u> Latitude <u>36.547975</u> Longitude <u>-107.53918</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"/>		
RCVD OCT 3 '07		
Pit 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>9</u> bbl	Below-grade tank Volume: <u> </u> bbl Type of fluid: <u> </u> Construction material: <u> </u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>DIST. 3</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 inside the lined pit passed TPH standard of 5000 ppm using USEPA Method 8015 and 10 ppm Benzene and 50 ppm BTEX standard.
Soil 3 feet below lowest layer of liner passed TPH standard of 5000 ppm using USEPA Method 418.1 and 100ppm OVM standard.

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 Deputy Oil & Gas Inspector,

Signature [Signature]

Date: OCT 11 2007

Deputy Oil & Gas Inspector,
District #3


CLIENT: <u>CHEVRON</u> <u>92270-170-003</u>	ENVIROTECH INC. <small>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE (505) 632-0615</small>	LOCATION NO: _____ C.O.C. NO: _____
--	--	--

FIELD REPORT: CLOSURE VERIFICATION		PAGE No: _____ of _____
LOCATION: NAME <u>REXCON</u> WELL # <u>40</u> PIT.		DATE STARTED <u>08/28/07</u> DATE FINISHED <u>08/28/07</u>
QUAD/UNIT: <u>H</u> SEC <u>26</u> TWP <u>27</u> RNG <u>7</u> PM <u>NM</u> CNTY: <u>RA</u> ST <u>NM</u>		ENVIRONMENTAL SPECIALIST <u>RLK/ENH</u>
QTR/FOOTAGE: <u>1642' FUL</u> <u>976' FEL</u> CONTRACTOR.		

EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP.	CUBIC YARDAGE: _____
DISPOSAL FACILITY: _____	REMEDIAL METHOD: _____
LAND USE: <u>RANGE</u>	API LEASE: <u>30-039-06907</u> FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>67</u> FT. <u>40°</u> FROM WELLHEAD.	
DEPTH TO GROUNDWATER: <u>7100</u>	NEAREST WATER SOURCE: <u>71000</u> NEAREST SURFACE WATER: <u>71000</u>
NMCD RANKING SCORE: <u>0</u>	NMCD TPH CLOSURE STD: <u>5000</u> PPM
SOIL AND EXCAVATION DESCRIPTION: <u>13x9x2</u> <u>TURN INTO LAB</u>	
CHECK ONE : <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED	

SCALE



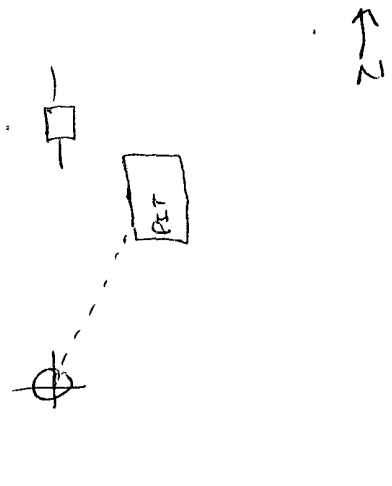
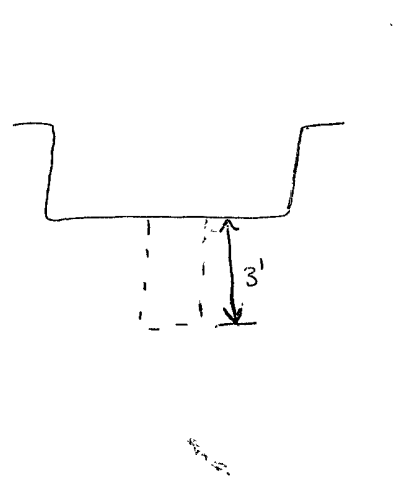
0 FT

TIME	SAMPLE I.D	LAB No	WEIGHT (g)	mL FREON	DILUTION	READING	CALC ppm
	<u>200STD</u>					<u>187</u>	
	<u>IN PIT</u>	<u>1</u>	<u>5</u>	<u>20</u>	<u>4</u>	<u>1296</u>	<u>5104</u>
	<u>3' BELOW PIT</u>	<u>2</u>	<u>5</u>	<u>20</u>	<u>4</u>	<u>-69</u>	<u>ND</u>

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 <u>1</u></td><td><u>509</u></td></tr> <tr><td>2 <u>2</u></td><td><u>13.1</u></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> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 <u>1</u>	<u>509</u>	2 <u>2</u>	<u>13.1</u>	3		4		5		LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME																
SAMPLE ID	FIELD HEADSPACE PID (ppm)																																		
1 <u>1</u>	<u>509</u>																																		
2 <u>2</u>	<u>13.1</u>																																		
3																																			
4																																			
5																																			
LAB SAMPLES																																			
SAMPLE ID	ANALYSIS	TIME																																	

TRAVEL NOTES.	CALLOUT: _____	ONSITE: _____
---------------	----------------	---------------

36.547975 -107.53918

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-170-005
Sample No.:	1	Date Reported:	9/4/2007
Sample ID:	Compostie, Inside Lined Pit	Date Sampled:	8/28/2007
Sample Matrix:	Soil	Date Analyzed:	8/28/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

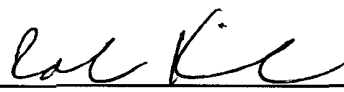
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	5,100	5.0

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 # 40**

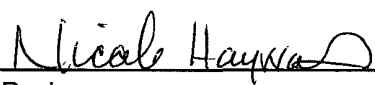
Instrument callibrated to 200 ppm standard. Zeroed before each sample



Analyst

Robin Kibler

Printed



Review

Nicole Hayworth

Printed

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-170-005
Sample No.:	2	Date Reported:	9/4/2007
Sample ID:	Discrete, 3' below Pit	Date Sampled:	8/28/2007
Sample Matrix:	Soil	Date Analyzed:	8/28/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

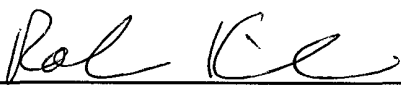
Total Petroleum Hydrocarbons	ND	5.0
------------------------------	----	-----

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 # 40**

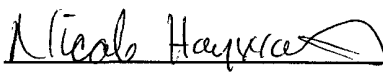
Instrument callibrated to 200 ppm standard. Zeroed before each sample



Analyst

Robin Kibler

Printed



Review

Nicole Hayworth


Printed

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 28-Aug-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	187
	200	
	500	
	1000	

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



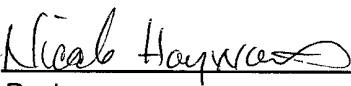
Analyst

9-5-07

Date

Robin Kibler

Printed



Review

09/05/07

Date

Nicole Hayworth

Printed

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

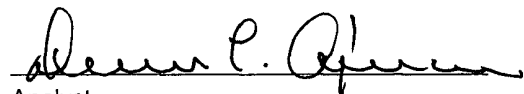
Client:	Chevron	Project #:	92270-170-005
Sample ID:	In Pit	Date Reported:	08-31-07
Laboratory Number:	42904	Date Sampled:	08-28-07
Chain of Custody No:	3324	Date Received:	08-28-07
Sample Matrix:	Soil	Date Extracted:	08-30-07
Preservative:	Cool	Date Analyzed:	08-31-07
Condition:	Cool & Intact	Analysis Requested:	8015 TPH

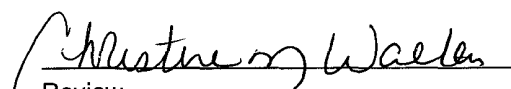
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	35.4	0.2
Diesel Range (C10 - C28)	66.2	0.1
Total Petroleum Hydrocarbons	102	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Rincon #40**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	08-31-07 QA/QC	Date Reported:	08-31-07
Laboratory Number:	42900	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-31-07
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0006E+003	1.0010E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0057E+003	1.0061E+003	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2


Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	33.1	32.9	0.6%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	33.1	250	283	99.9%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 42900, 42904 - 42905, 42908 - 42911, 42913 - 42914, 42927


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-170-005
Sample ID:	In Pit	Date Reported:	08-31-07
Laboratory Number:	42904	Date Sampled:	08-28-07
Chain of Custody:	3324	Date Received:	08-28-07
Sample Matrix:	Soil	Date Analyzed:	08-31-07
Preservative:	Cool	Date Extracted:	08-30-07
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	21.1	1.0
Ethylbenzene	46.0	1.0
p,m-Xylene	425	1.2
o-Xylene	247	0.9
Total BTEX	739	

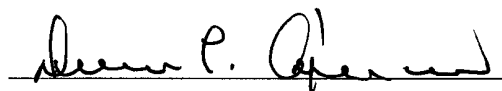
ND - Parameter not detected at the stated detection limit.

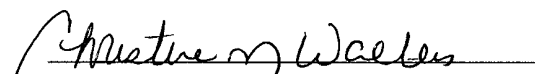
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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 #40


Analyst


Review

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	08-31-BTEX QA/QC	Date Reported:	08-31-07
Laboratory Number:	42900	Date Sampled:	N/A
Sample Matrix:	Sludge	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-31-07
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	1.2585E+008	1.2611E+008	0.2%	ND	0.1
Toluene	1.0359E+008	1.0380E+008	0.2%	ND	0.1
Ethylbenzene	7.7764E+007	7.7919E+007	0.2%	ND	0.1
p,m-Xylene	1.4958E+008	1.4988E+008	0.2%	ND	0.1
o-Xylene	7.1007E+007	7.1149E+007	0.2%	ND	0.1

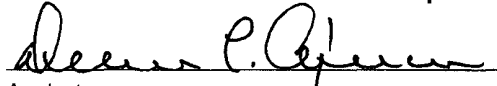
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	6.2	6.1	1.6%	0 - 30%	1.0
Ethylbenzene	1.4	1.4	0.0%	0 - 30%	1.0
p,m-Xylene	5.4	5.4	0.0%	0 - 30%	1.2
o-Xylene	1.6	1.6	0.0%	0 - 30%	0.9

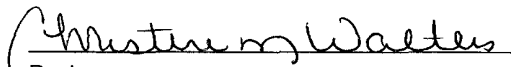
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	6.2	50.0	56.1	99.8%	46 - 148
Ethylbenzene	1.4	50.0	51.3	99.8%	32 - 160
p,m-Xylene	5.4	100	105	99.8%	46 - 148
o-Xylene	1.6	50.0	51.5	99.8%	46 - 148

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 42900, 42904, 42906 - 42911, 42914, 42923


Analyst


Review

CHAIN OF CUSTODY RECORD

3324

Client: CHEVRON			Project Name / Location: RINCON #40				ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: M. HAYWORTH				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.: 92270-170-005																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No /Volume of Containers	Preservative															
						H ₂ O ₂	HNO ₃														
IN PIT	08/28		42904	SOIL	1				✓	✓									✓	✓	
Relinquished by: (Signature) <i>Nicole Hayworth</i>					Date 08/28/07	Time 1850		Received by: (Signature) <i>Blair Vail</i>					Date 8/28/07		Time 1850						
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