

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>CW Roberts #6</u> API #: <u>30-039-22731</u> U/L or Qtr/Qtr <u>G</u> Sec <u>18</u> T <u>25</u> N <u>R</u> <u>3W</u>		
County: <u>Rio Arriba</u> Latitude <u>36.40015</u> Longitude <u>-107.18305</u> NAD: 1927 ☒ 1983 ☐		
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐		
RCVD OCT 3 '07		
Pit Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness <u> </u> Clay ☐ Pit Volume <u> </u> bbl	Below-grade tank Volume: <u>65</u> bbl Type of fluid: <u>Produced Water and Incidental Oil</u> Construction material: <u>Fiberglass</u> Double-walled, with leak detection? Yes ☐ 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) 20
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) 10
Ranking Score (Total Points)		30

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 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 100 ppm using USEPA Method 418.1 and 100ppm OVM standard at 16 feet x 16 feet x 6 feet deep.

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: <u>10-10-07</u>	Signature: <u>Michael W. Archer</u>	
Printed Name/Title <u>Mr. Michael W. Archer - HES Specialist</u>		
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: <u>Branch P. Roll</u>		Date: <u>OCT 11 2007</u>
Printed Name/Title <u>Branch P. Roll</u>		
Deputy Oil & Gas Inspector, District #3		

Method 418.1 Analysis Log Total Petroleum Hydrocarbons

Date 08/23/07

Analyst N. HAYWORTH

Location CW ROBERTS #6

Instrument INFRACAL

Job No. 92270-1163

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)	OVM (mg/kg)
3	EAST WALL	S	20	4	45	180	191
4	WEST WALL	S	20	4	24	96	15.3
5	NORTH WALL	S	20	4	05	20	2.0
6	BOTTOM @ 1.5'	S	20	4	79	316	0.6
7	BOTTOM @ 4'	S	20	4	900	3600	7.4
8	EAST WALL	S	20	4	109	436	2.4

Infrared Spectrophotometer Calibration

New Freon _____

RCVD OCT 3 '07
OIL CONS. DIV.
DIST. 3

Date Standards Prepared _____

Standard Concentration (mg/L)	Absorbance
100	_____
200	<u>199</u>
500	_____
1000	_____

I-CAL RF: _____

C-CAL RF: _____

RSD: _____ %

% Difference: _____ %

QA/QC Acceptance Criteria: I-CAL RSD +/- 20%

C-Cal Difference +/- 10%

U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	1	Date Reported:	9/5/2007
Sample ID:	Discrete, 3' Below BGT	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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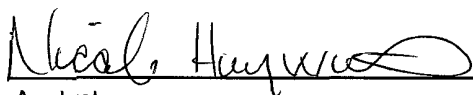
Total Petroleum Hydrocarbons	8	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **CW Roberts # 6**

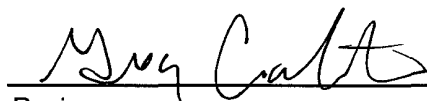
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Nicole Hayworth

Printed



Review

Greg Crabtree

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	2	Date Reported:	9/5/2007
Sample ID:	Composite, South Wall	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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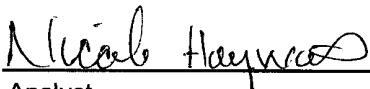
Total Petroleum Hydrocarbons	24	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **CW Roberts # 6**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Nicole Hayworth

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Greg Crabtree

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	3	Date Reported:	9/5/2007
Sample ID:	Composite, East Wall	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

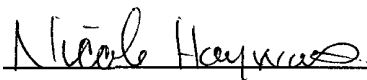
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	180	5.0

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: **CW Roberts # 6**

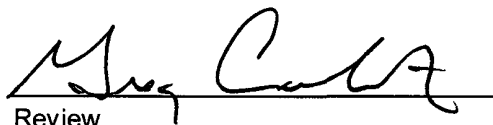
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Nicole Hayworth

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	4	Date Reported:	9/5/2007
Sample ID:	Composite, West Wall	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

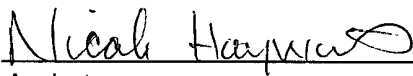
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	96	5.0

ND = Parameter not detected at the stated detection limit.

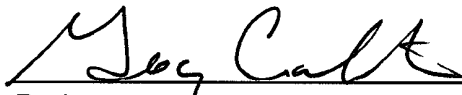
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **CW Roberts # 6**

Instrument callibrated to 200 ppm standard. Zeroed before each sample


Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	5	Date Reported:	9/5/2007
Sample ID:	Composite, North Wall	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

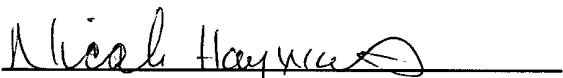
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	20	5.0

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: **CW Roberts # 6**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Nicole Hayworth
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	6	Date Reported:	9/5/2007
Sample ID:	Composite, Bottom at 1.5'	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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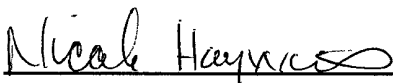
Total Petroleum Hydrocarbons	316	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **CW Roberts # 6**

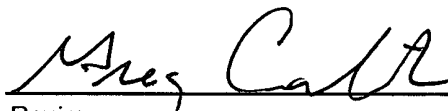
Instrument callibrated to 200 ppm standard. Zeroed before each sample



Analyst

Nicole Hayworth

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	7	Date Reported:	9/5/2007
Sample ID:	Composite, Bottom at 4'	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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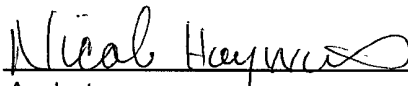
Total Petroleum Hydrocarbons	3,600	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **CW Roberts # 6**

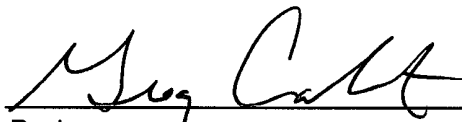
Instrument callibrated to 200 ppm standard. Zeroed before each sample



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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	8	Date Reported:	9/5/2007
Sample ID:	Composite, East Wall	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

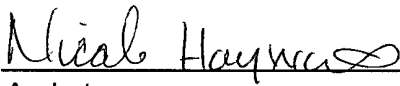
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	436	5.0

ND = Parameter not detected at the stated detection limit.

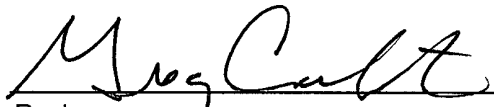
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **CW Roberts # 6**

Instrument callibrated to 200 ppm standard. Zeroed before each sample


Analyst

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	9	Date Reported:	9/5/2007
Sample ID:	Composite, Bottom @ 5.5'	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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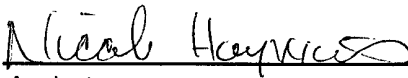
Total Petroleum Hydrocarbons	168	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **CW Roberts # 6**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	10	Date Reported:	9/5/2007
Sample ID:	Composite, East Wall	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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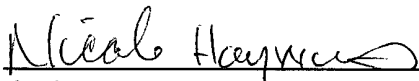
Total Petroleum Hydrocarbons	48	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: CW Roberts # 6

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Nicole Hayworth

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Greg Crabtree

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Chevron Production	Project #:	92270-163
Sample No.:	11	Date Reported:	9/5/2007
Sample ID:	Composite, Bottom @ 6' BGS	Date Sampled:	8/23/2007
Sample Matrix:	Soil	Date Analyzed:	8/23/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

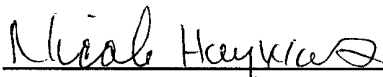
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	32	5.0

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: **CW Roberts # 6**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

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CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 23-Aug-07

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

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

Nicole Hayworth
Analyst

09/05/07
Date

Nicole Hayworth
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Greg Crabtree
Review

9/5/07
Date

Greg Crabtree
Printed

ENVIROTECH INC

Bill of Lading

MANIFEST #

28430

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 8-23-07

JOB # 92270-167

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	BBLs	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Charcon	CW Roberts #6	Cent Soil	J-13	12		oil field	19	1155	General White
2				J-13	12		oil field	19	1605	General White
3				J-13	12		Rosenbarts	116	1615	General White
4				J-13	12		Rosenbaum	114	1625	Michael White
					48					
<275	Chloride test	4								35421
	Paint filter test	4								

ENTERED AUG 27 2007

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME CREWARD White

COMPANY LTC O. White

SIGNATURE General White

COMPANY CONTACT Charcon

PHONE

DATE 8/23/07

San Juan reproduction 578-126

Mike Dwyer



Bill of Lading

MANIFEST # 28446

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

DATE 8-24-07 JOB # 92270-167

[illegible]

"I certify the material hauled from the above location has not been added to or mixed with, and is the same material received from the above mentioned Generator, and that no additional materials have been added."

NAME Don Walker COMPANY LTE Oil & Gas SIGNATURE Don Walker 8/28/01
COMPANY CONTACT Chevron PHONE _____ DATE _____
M.K.P. Dryer

COMPANY CON
san juan reproduction 578-126

DATE _____