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: Chevron Production Co. Telephone: (505) 334-7117 e-mail address: MArcher@chevron.com
Address: 322 County Road 3100, Aztec, NM 87410
Facility or well name: Rincon #232 API #: 30-039-22223 U/L or Qtr/Qtr G Sec 12 T 26 N R 7 W
County: Rio Arriba Latitude 36.502215 Longitude -107.52344 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	**Below-grade tank**		
Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness Clay ☐ Pit Volume 50 bbl	Volume: ___bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes ☐ If not, explain why not.		
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)	10
	Ranking Score (Total Points)		10

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 your 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 1000 ppm using USEPA Method 418.1 and 10 ppm Benzene and 50 ppm BTEX standard 3 feet below ground surface.

RECEIVED
OCT 2007
OIL CONS. DIV.

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, DIST. #3 Signature Brandon Powell Date: OCT 29 2007

CLIENT: _____

92270-1169-011

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U S HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE (505) 632-0615

LOCATION NO: _____

C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME. Rincon Unit WELL #. 232 PIT: Sep

QUAD/UNIT: G SEC: 12 TWP: 26N RNG: 7W PM: NMPM CNTY: RA ST: NM

QTR/FOOTAGE: 1710 FNL 1550 FEL CONTRACTOR.

DATE STARTED 8/28/07

DATE FINISHED 8/28/07

ENVIRONMENTAL SPECIALIST GWK

EXCAVATION APPROX _____ FT. x _____ FT. x _____ FT. DEEP CUBIC YARDAGE: _____

DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____

LAND USE: _____ LEASE: 30-039-22223 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 24 FT. 0° FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1,000 NEAREST SURFACE WATER: 200-1000

NMOCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1,000 PPM

CHECK ONE:

X PIT ABANDONED

____ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

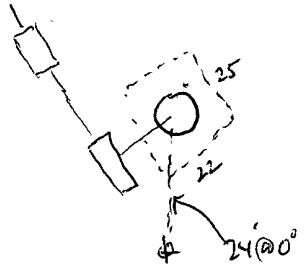
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
1305	200 STD					196	196
	Discrete below tank		5.0	20	4	81	32.4

SCALE

0 FT

PIT PERIMETER



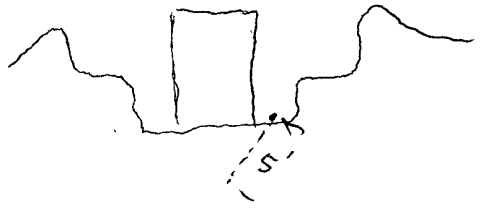
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 Discrete	290
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



HAND AUGERED AT 45° TO GET SAMPLE BENEATH TANK

TRAVEL NOTES. CALLOUT: _____ ONSITE. _____

36.502215 -107.52344

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron Production	Project #:	92270-169-011
Sample No.:	1	Date Reported:	9/21/2007
Sample ID:	Discrete, 3' BGS	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	**324**	**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 # 232**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Greg Crabtree
Printed

Review

Nicole Hayworth
Printed

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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	
	200	196
	500	
	1000	

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

Analyst — Date: 9/21/07

Greg Crabtree
Printed

Review — Date: 09/21/07

Nicole Hayworth
Printed

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Chevron	Project #:	92270-169-011
Sample ID:	Discrete 3' BGS	Date Reported:	08-31-07
Laboratory Number:	42907	Date Sampled:	08-28-07
Chain of Custody:	3323	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	**27.0**	**1.0**
Ethylbenzene	**28.3**	**1.0**
p,m-Xylene	**336**	**1.2**
o-Xylene	**111**	**0.9**
Total BTEX	**502**	

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 Unit 232**

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

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. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
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

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

3323

Client: Chevron	Project Name / Location: Rincon Unit 232
Client Address:	Sampler Name: G. Crabtree
Client Phone No.:	Client No.: 92270-169-011

ANALYSIS / PARAMETERS

Sample No./ Identification	Sample Date	Sample Time	Lab No	Sample Matrix	No./Volume of Containers	Preservative $HgCl_2$	Preservative HNO_3		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
Discrete 3' BGS	8/28/07	1305	42907	Soil	1-4oz					X												✓	✓

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Greg Crabtree [signature]	8/28/07	1830	[signature]	8/28/07	1830
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

san juan reproduction 578-129