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 ☒

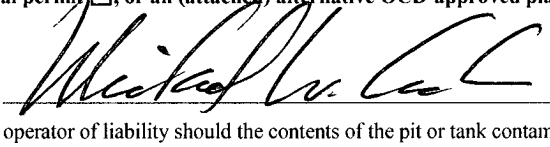
Operator: Chevron Production Co. Telephone: (505) 334-7117 e-mail address: MArcher@chevron.com
Address: 322 County Road 3100, Aztec, NM 87410
Facility or well name: HJ Loe Federal B #3E API #: 30-045-24555 U/L or Qtr/Qtr O Sec 23 T 29 N R 12 W
County: San Juan Latitude 36.707767 Longitude -108.06651 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 6 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)	20
	Ranking Score (Total Points)		20

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 100 ppm using USEPA Method 418.1 and 100 ppm PID standard 1 foot below ground surface.

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. 1-28-07
Printed Name/Title Mr Michael W. Archer – HES Specialist Signature 

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  Date: DEC 04 2007

CLIENT: CHEVRON

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: ____ of ____

LOCATION: NAME: HJ LOE FEDERAL B WELL #: 3E PIT.
QUAD/UNIT: O SEC: 23 TWP: 29N RNG: 12W PM: ~~NM~~ CNTY: SJ ST: NM
QTR/FOOTAGE: 1100' FSL 2000' FEL CONTRACTOR.

DATE STARTED 11/7/07
DATE FINISHED 11/7/07
ENVIRONMENTAL SPECIALIST: ENM

EXCAVATION APPROX - FT. x - FT. x - FT. DEEP CUBIC YARDAGE: -
DISPOSAL FACILITY: - REMEDIATION METHOD: -
LAND USE: REC LEASE: 30-045-24555 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 128 FT. 0° FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: ~175
NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
X PIT ABANDONED
___ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

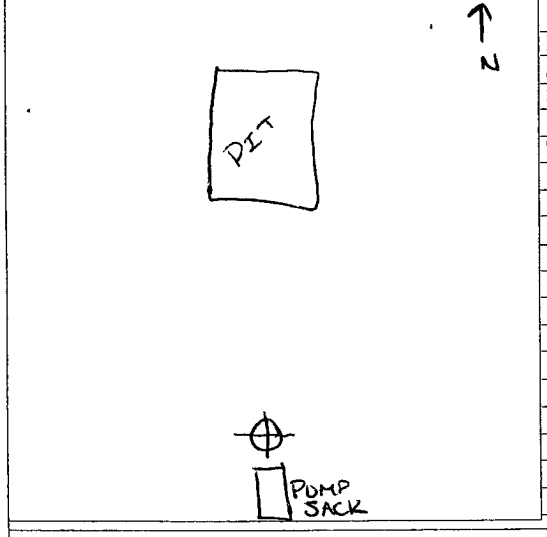
REFUSAL APPROX 1' DEEP

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D	LAB No:	WEIGHT (g)	mL FREON	DILUTION	READING	CALC ppm
	200 STD					200	
	1' BELOW BGS	1	5	20	4	15	60

SCALE
0 FT

PIT PERIMETER



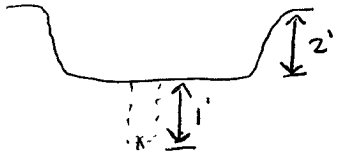
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 1' BELOW	0.6
2 BGS	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



TRAVEL NOTES. CALLOUT: _____ ONSITE. _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Chevron Production	Project #:	92270-198
Sample No.:	1	Date Reported:	11/8/2007
Sample ID:	Discrete, 1' BGS	Date Sampled:	11/7/2007
Sample Matrix:	Soil	Date Analyzed:	11/7/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**60**	**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: **HJ Loe Federal B #3E**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Nicole Hayworth
Analyst

Greg Crabtree
Review

Nicole Hayworth
Printed

Greg Crabtree
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: 7-Nov-07

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

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

Nicole Hayworth
Analyst

11/08/07
Date

Nicole Hayworth
Printed

Greg Crabtree
Review

11/8/07
Date

Greg Crabtree
Printed

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

Midcontinent Business Unit
San Juan Operations Team
Chevron U.S.A. Inc.
PO Box 730
Aztec, NM 87410

Michael W. Archer
Health, Environmental and Safety Specialist
Chevron North America
Exploration & Production Company
P.O. Box 730
Aztec, NM 87410

Phone: (505) 326-2657 ext. 112
Cell: (505) 320-7970

Project No. 92270-198

November 20, 2007

Mr. Brandon Powell
New Mexico Oil Conservation Division
1000 Rio Bravo
Aztec, NM 87410

Phone: (505) 334-6178 ext. 15

RE: SOIL SAMPLING OF AN EARTHEN PIT LOCATED AT THE HJ LOE FEDERAL B #3E WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Powell,

Envirotech has completed soil sampling of an earthen pit located at the HJ Loe Federal B #3E well site, San Juan County, New Mexico. Attached to this letter are the field analysis and the C-144 pit closure documentation.

The site was ranked according to the NMOCD/BLM guidance for unlined surface impoundments. The site was ranked as a 100 ppm closure for Total Petroleum Hydrocarbons (TPH) and was screened for organic vapors using a Photo-Ionization Detector (PID). One (1) discrete sample was collected from one (1) foot below the earthen pit. The sample could not be collected from deeper due to auger refusal. The sample was below the 100 ppm TPH standard at 60 ppm and was also below the 100 ppm standards for organic vapors.

Based on the results from the sampling at the HJ Loe Federal B #3E well site, Chevron feels that the earthen pit can be backfilled. Once the pit is backfilled Envirotech recommends no further action with regards to this site. If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Michael W. Archer
Chevron North America
Exploration & Production Company

Enclosures: C-144
Field Notes
Analytical Results