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
February 16, 2007

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: Elm Ridge Resources Telephone: (505) 632-3476 e-mail address: amackey1@elmridge.net
Address: P.O. Box 156, Bloomfield, New Mexico, 87413
Facility or well name: Jic Joint Venture KD #1 API #: 3003921426 U/L or Qtr/Qtr P Sec 4 T 23N R 3W
County: Rio Arriba Latitude 36° 14.874' N Longitude 107° 09.044' W 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 ____mil Clay ☐ Pit Volume ____bbl	Volume: 60 bbl Type of fluid: Produced Water and Incidental Oil Construction material: Fiberglass Double-walled, with leak detection? Yes ☐ If not, explain why not. Tank installed prior to Rule 50		
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)	1 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)		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 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:
BGT near AST: Soil sample passed 100 ppm TPH standard using USEPA Method 418.1 and the 100 ppm OVM standard. No excavation necessary

RCVD MAY 29 '08
OIL CONS. DIV.
DIST. 3

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: 5/28/08
Printed Name/Title Ms. Amy Mackey, Production Technician 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: DEPUTY OIL & GAS INSPECTOR, DIST. #3
Printed Name/Title _____ Signature _____ Date: JUN 02 2008

CLIENT: _____

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. Jicarilla KD WELL #. 1 PIT.
QUAD/UNIT: SEC: TWP: RNG: PM: CNTY: ST:
QTR/FOOTAGE: CONTRACTOR:

DATE STARTED 4/14/08
DATE FINISHED 4/14/08
ENVIRONMENTAL SPECIALIST. GWC

EXCAVATION APPROX Ø FT. x Ø FT. x Ø FT. DEEP. CUBIC YARDAGE: Ø
DISPOSAL FACILITY: N/A REMEDIATION METHOD: N/A
LAND USE: _____ LEASE: _____ FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 65 FT. 134° FROM WELLHEAD.
DEPTH TO GROUNDWATER: _____ NEAREST WATER SOURCE: _____ NEAREST SURFACE WATER: _____
NMOCD RANKING SCORE: _____ NMOCD TPH CLOSURE STD: 100 PPM

CHECK ONE:
___ PIT ABANDONED
X STEEL TANK INSTALLED
60 bbl fiberglass

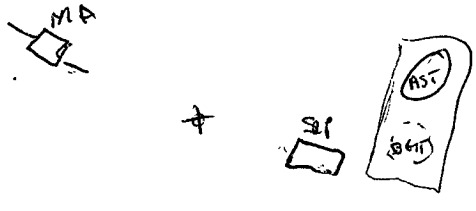
SOIL AND EXCAVATION DESCRIPTION:
Used 100 ppm closure for Jicarilla land

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D	LAB No:	WEIGHT (g)	mL FREON	DILUTION	READING	CALC ppm
1454	Bottom 3' below tank		5.0	20	4	8	32

SCALE
0 FT

PIT PERIMETER



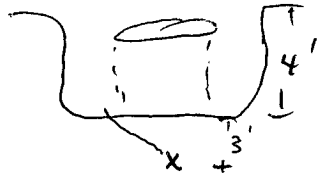
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1. bottom	0.2
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

PIT PROFILE



Used hand auger to auger under tank to collect sample

TRAVEL NOTES. CALLOUT: _____ ONSITE. _____

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-0111
Sample No.:	1	Date Reported:	5/5/2008
Sample ID:	Bottom @ 3' below BGT	Date Sampled:	4/14/2008
Sample Matrix:	Soil	Date Analyzed:	4/14/2008
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: **Jic Joint Venture KD #1 BGT near AST**

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: 14-Apr-08

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	190
	500	
	1000	

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

Analyst

5/16/08
Date

Greg Crabtree
Printed

Review

05/16/08
Date

Nicole Hayworth
Printed

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