

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  
February 16, 2007

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: 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 #3 API #: 3003921441 U/L or Qtr/Qtr D Sec 3 T 23N R 3W  
County: Rio Arriba Latitude Unknown Longitude Unknown NAD: 1927 ☒ 1983 ☐  
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☒

**Pit**  
Type: Drilling ☐ Production ☐ Disposal ☐  
Workover ☐ Emergency ☐  
Lined ☐ Unlined ☐  
Liner type: Synthetic ☐ Thickness        mil Clay ☐  
Pit Volume        bbl

**Below-grade tank**  
Volume: 90 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	(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 sample passed 5000 ppm TPH standard using USEPA Method 418.1 and the 100 ppm OVM standard. No excavation necessary.

RCVD MAY 21 '08

OIL CON. 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: 5/15/08

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: ELMIDGE Resources

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: 03056-0103

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: Jic Arilla Joint Venture RD WELL #: 3 PIT: BGT 1  
QUAD/UNIT: D SEC: 3 TWP: 23N RNG: 3W PM: NM CNTY: RA ST: NM  
QTR/FOOTAGE: 790' x 790' CONTRACTOR: \_\_\_\_\_

DATE STARTED: 7-APR-08  
DATE FINISHED: 7-APR-08  
ENVIRONMENTAL SPECIALIST: JKirchner

EXCAVATION APPROX. \_\_\_\_\_ FT. x \_\_\_\_\_ FT. x \_\_\_\_\_ FT. DEEP. CUBIC YARDAGE: N/A  
DISPOSAL FACILITY: N/A REMEDIATION METHOD: N/A  
LAND USE: Grazing LEASE: 30-03901441 FORMATION: \_\_\_\_\_

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75 FT. 45° FROM WELLHEAD.  
DEPTH TO GROUNDWATER: 7100 NEAREST WATER SOURCE: 71000 NEAREST SURFACE WATER: 71000  
NMOC D RANKING SCORE: 6 NMOC D TPH CLOSURE STD: 5,000 PPM

CHECK ONE:  
☐ PIT ABANDONED  
☒ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:  
Removal of 90 BBL fiberglass TK. Steel TK w/  
Leak detection installed  
Discreet Sample Taken 3' directly Below TK Btm

SCALE  
0 FT

FIELD 418.1 CALCULATIONS  

TIME	SAMPLE I.D.	LAB No	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC ppm
915	200310					201	201
	1		5	20	4	2	8

PIT PERIMETER

OVM RESULTS

PIT PROFILE

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 100	98.7
2 1	0.0
3	
4	
5	

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: \_\_\_\_\_ CALLOUT: \_\_\_\_\_ ONSITE: \_\_\_\_\_

EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-0103
Sample No.:	1	Date Reported:	4/18/2008
Sample ID:	Bottom @ 3' below BGT	Date Sampled:	4/7/2008
Sample Matrix:	Soil	Date Analyzed:	4/7/2008
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		


Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	8	5.0

ND = Parameter not detected at the stated detection limit.

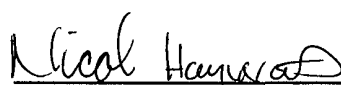
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Jic Joint Venture KD #3**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

Josh Kirchner  
\_\_\_\_\_  
Printed

  
\_\_\_\_\_  
Review

Nicole Hayworth  
\_\_\_\_\_  
Printed

CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 7-Apr-08

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	201
	200	
	500	
	1000	

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

Josh Kirchner  
Analyst

5/7/08  
Date

Josh Kirchner  
Printed

Nicole Hayworth  
Review

5/7/08  
Date

Nicole Hayworth  
Printed

May 9, 2008

Project No. 03056-0106

Ms. Amy Mackey  
Elm Ridge Resources  
P.O. Box 156  
Bloomfield, New Mexico 87413

Phone (505) 774-6644

**RE: BELOW GRADE TANK CLOSURE DOCUMENTS**

Dear Ms. Mackey,


Enclosed, please find below-grade tank closure documents for your review and signature for the following sites:

- Jic Joint Venture KD #2

The packet contains New Mexico Oil Conservation District (NMOCD) Form C-144 and Envirotech's Field Report: Closure Verification, field analysis documentation, and, if applicable, lab analysis documentation. Complete documentation of field headspace readings is included on the field report. Once signed, please forward to Mr. Brandon Powell, NMOCD, and keep a copy for your files.

We appreciate the opportunity to be of service. Should you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,  
ENVIROTECH, INC.

  
Nicole Hayworth  
Environmental Scientist  
[nhayworth@envirotech-inc.com](mailto:nhayworth@envirotech-inc.com)

Enclosure: Pit Closure Documents