

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 #2 API #: 3003921443 U/L or Qtr/Qtr F Sec 10 T 23N R 3W  
County: Rio Arriba Latitude 36° 14.457' N Longitude 107° 08.847' W NAD: 1927 ☒ 1983 ☐  
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☒

Pit	Below-grade tank
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Volume: <u>45</u> bbl Type of fluid: <u>Produced Water and Incidental Oil</u> Construction material: <u>Steel</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>Tank installed 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) 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) 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 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 1000 ppm TPH standard using USEPA Method 418.1 and the 100 ppm OVM standard. No excavation necessary

RCVD MAY 21 '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: 5/15/08

Printed Name/Title: Ms. Amy Mackey, Production Technician

Signature: [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: [Signature]

Date: JUN 02 2008

CLIENT: _____  <b>EM RIDGE</b>	<b>ENVIROTECH INC.</b> <small>ENVIRONMENTAL SCIENTISTS &amp; ENGINEERS          5796 U.S. HIGHWAY 64-3014          FARMINGTON, NEW MEXICO 87401          PHONE: (505) 632-0615</small>	LOCATION NO: _____  C.O.C. NO: _____
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<b>FIELD REPORT: CLOSURE VERIFICATION</b>	PAGE No: _____ of _____
LOCATION: NAME <u>SCARILLA SOINT</u> <sup>VENTURE</sup> WELL #: <u>KD 2</u> PIT: _____ QUAD/UNIT: <u>F</u> SEC: <u>10</u> TWP: <u>23N</u> RNG: <u>3W</u> PM: <u>NM</u> CNTY: <u>RA</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1650' FWL</u> <u>1650' FWL</u> CONTRACTOR: _____	DATE STARTED: <u>4/8/08</u> DATE FINISHED: <u>4/8/08</u> ENVIRONMENTAL SPECIALIST: <u>ENH</u>

EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP. CUBIC YARDAGE: _____
DISPOSAL FACILITY: _____ REMEDIATION METHOD: _____
LAND USE: <u>GRAZING</u> <sup>API</sup> LEASE: <u>3003921443</u> FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>80</u> FT. <u>0°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>2100</u> NEAREST WATER SOURCE: <u>21000</u> NEAREST SURFACE WATER: <u>2200</u> <u>41000</u> NMOCD RANKING SCORE: <u>10</u> NMOCD TPH CLOSURE STD: <u>1000</u> PPM
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<b>SOIL AND EXCAVATION DESCRIPTION:</b>  <u>COMPOSITE TANKEN FROM DIRECTLY</u> <u>BROWN OUT SIDES OF TANK</u>	CHECK ONE : <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED
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SCALE

0 FT

200510/190 FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
	<u>COMP AROUND TANK</u>	<u>1</u>	<u>5</u>	<u>20</u>	<u>4</u>	<u>147</u>	<u>588</u>

<b>PIT PERIMETER</b> 	<b>OVN RESULTS</b> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1</td><td><u>RECORD TANK 0.1</u></td></tr> <tr><td>2</td><td> </td></tr> <tr><td>3</td><td> </td></tr> <tr><td>4</td><td> </td></tr> <tr><td>5</td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1	<u>RECORD TANK 0.1</u>	2		3		4		5												LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME																<b>PIT PROFILE</b> 
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TRAVEL NOTES: CALLOUT: _____ ONSITE: _____
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EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Elm Ridge Resources	Project #:	03056-0107
Sample No.:	1	Date Reported:	4/18/2008
Sample ID:	Bottom @ Composite Around BGT	Date Sampled:	4/8/2008
Sample Matrix:	Soil	Date Analyzed:	4/8/2008
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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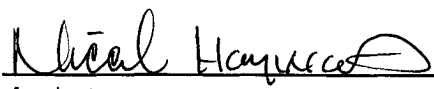
Total Petroleum Hydrocarbons	588	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **Jic Joint Venture KD #2**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

  
\_\_\_\_\_  
Analyst

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

  
\_\_\_\_\_  
Review

Greg Crabtree  
\_\_\_\_\_  
Printed

CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 8-Apr-08

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

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

Nicole Hayworth

Analyst

04/18/08

Date

Nicole Hayworth

Printed

Greg Crabtree

Review

4/18/08

Date

Greg Crabtree

Printed