

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  
June 1, 2004

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 ☒

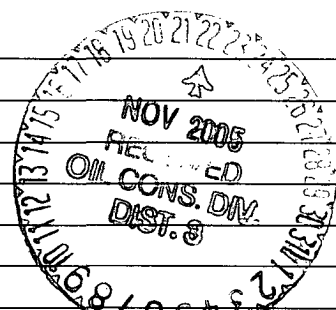
Operator: Elm Ridge Resources Telephone: (505) 632-3476 e-mail address: \_\_\_\_\_  
Address: 20 County Road 5060, Bloomfield, New Mexico 87413  
Facility or well name: West Bisti Coal 13 No. 2 API #: 30-045-28784 U/L or Qtr/Qtr \_\_\_\_\_ Sec 13 T 25N R 13W  
County: San Juan Latitude N36d 24.036' Longitude W108d 10.360' NAD: 1927 ☒ 1983 ☐  
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☐

<b>Pit</b>	<b>Below-grade tank</b>	
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: _____ bbl Type of fluid: <u>Produced Water and Incidental Oil</u> Construction material: <u>Earth Pit</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>No. Tank in place 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) 0
<b>Ranking Score (Total Points)</b>		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:

Earth pit.



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: \_\_\_\_\_

Printed Name/Title Mr. Tim Dugan, Field Supervisor

Signature Tim Dugan

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.

Approved by DEPUTY OIL & GAS INSPECTOR, DIST. 8

Printed Name/Title \_\_\_\_\_

Signature Denny Kent

Date: NOV 22 2005

CLIENT: <u>Elm Ridge Resources</u>	<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: _____
------------------------------------	---	--

<b>FIELD REPORT: CLOSURE VERIFICATION</b>	PAGE No: <u>1</u> of <u>1</u>
---	-------------------------------

LOCATION: NAME: <u>West Bisti Coal 13</u> WELL #: <u>2</u> PIT: _____	DATE STARTED: <u>11/2/05</u>
QUAD/UNIT: _____ SEC: <u>13</u> TWP: <u>25N</u> RNG: <u>13W</u> PM: <u>NMPM</u> CNTY: <u>ST</u> ST: <u>NM</u>	DATE FINISHED: <u>11/2/05</u>
QTR/FOOTAGE: <u>2510' FSL</u> <u>1950' FWL</u> CONTRACTOR: _____	ENVIRONMENTAL SPECIALIST: <u>NMPM</u>

EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP. CUBIC YARDAGE: <u>7</u>
DISPOSAL FACILITY: <u>N/A</u> REMEDIATION METHOD: _____
LAND USE: _____ LEASE: <u>NM 33917</u> FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>70'</u> FT. <u>135°</u> FROM WELLHEAD.
DEPTH TO GROUNDWATER: <u>0</u>	NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER: <u>0</u>
NMOCB RANKING SCORE: <u>0</u>	NMOCB TPH CLOSURE STD: <u>5000</u> PPM
SOIL AND EXCAVATION DESCRIPTION: <div style="float:right; border: 1px solid black; padding: 5px; width: fit-content;">           CHECK ONE :  <input type="checkbox"/> PIT ABANDONED  <input type="checkbox"/> STEEL TANK INSTALLED         </div>	

Recently, new steel pit on-site. Fluid still inside center of earth pit. Took sample for 8015.

SCALE

0 FT

FIELD 418.1 CALCULATIONS
 

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

**PIT PERIMETER**

**OVN RESULTS**

**PIT PROFILE**

	<table border="1" style="width:100%"> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> <tr><td>1 Earth Pit</td><td>43 ppm</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> </table> <table border="1" style="width:100%"> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> <tr> <td>Earth Pit</td> <td>8015</td> <td>11.2 ppm</td> </tr> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 Earth Pit	43 ppm	2		3		4		5		SAMPLE ID	ANALYSIS	TIME	Earth Pit	8015	11.2 ppm	<p style="text-align: center;">x = Sample 7+</p>
SAMPLE ID	FIELD HEADSPACE PID (ppm)																			
1 Earth Pit	43 ppm																			
2																				
3																				
4																				
5																				
SAMPLE ID	ANALYSIS	TIME																		
Earth Pit	8015	11.2 ppm																		

TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
---------------	----------------	---------------

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

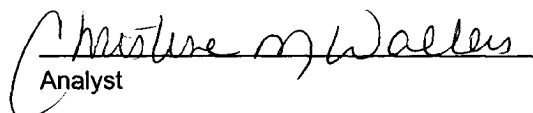
Client:	Elm Ridge Resources	Project #:	03056-038
Sample ID:	W. Bisti Coal 13 #2	Date Reported:	11-07-05
Laboratory Number:	34881	Date Sampled:	11-02-05
Chain of Custody No:	15013	Date Received:	11-02-05
Sample Matrix:	Soil	Date Extracted:	11-03-05
Preservative:	Cool	Date Analyzed:	11-05-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH


Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	11.2	0.1
Total Petroleum Hydrocarbons	11.2	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

  
Analyst

  
Review