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

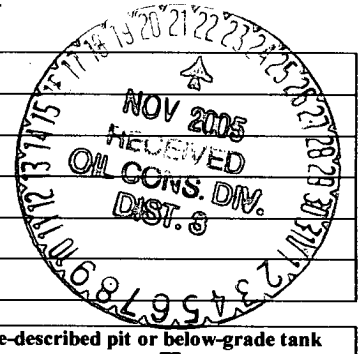
Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: 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 10 No. 1 API #: 30-045-28798 U/L or Qtr/Qtr ____ Sec 10 T 25N R 13W
County: San Juan Latitude N36d 25.242' Longitude W108d 11.995' 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: ____bbl Type of fluid: Produced Water and Incidental Oil Construction material: Earth Pit Double-walled, with leak detection? Yes ☐ If not, explain why not. No. Tank in place 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)	 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)	 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 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:
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.

Approval:
DEPUTY OIL & GAS INSPECTOR, DIST. 3
Printed Name/Title _____ Signature Denny Foust Date: NOV 22 2005

CLIENT: Elm Ridge 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: _____

FIELD REPORT: CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: West Bisti Coal 10 WELL #: 1 PIT:
QUAD/UNIT: SEC: 10 TWP: 25N RNG: 13W PM: NMPM CNTY: SJ ST: NM
QTR/FOOTAGE: 790' FNL 790' FEL CONTRACTOR:

DATE STARTED: 11/2/05
DATE FINISHED: 11/2/05
ENVIRONMENTAL SPECIALIST: MPM

EXCAVATION APPROX. _____ FT. x _____ FT. x _____ FT. DEEP. CUBIC YARDAGE: 0
DISPOSAL FACILITY: N/A REMEDIATION METHOD: _____
LAND USE: _____ LEASE: NM 31311 FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 123' FT. 245° FROM WELLHEAD.
DEPTH TO GROUNDWATER: 0 NEAREST WATER SOURCE: 0 NEAREST SURFACE WATER: 0
NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5000 PPM

CHECK ONE:
✓ PIT ABANDONED
___ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

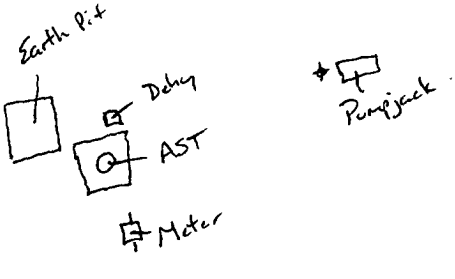
Augered 3' into earth pit. Soil very moist. slight odor. Took sample for 8015 and 8021B.

FIELD 418.1 CALCULATIONS

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

SCALE
0 FT

PIT PERIMETER



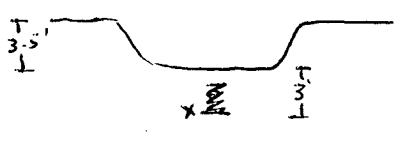
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 3' below	147
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
3' below	8015	97.4 ppm
3' below	8021B	219 ppb

PIT PROFILE



X = Sample Pt

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 Resouces	Project #:	03056-038
Sample ID:	W. Bisti Coal 10 #1	Date Reported:	11-07-05
Laboratory Number:	34884	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)	**0.2**	**0.2**
Diesel Range (C10 - C28)	**97.2**	**0.1**
Total Petroleum Hydrocarbons	**97.4**	**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:

Christine M Walters
Analyst

Mary Bruce
Review

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

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Elm Ridge Resources	Project #:	03056-038
Sample ID:	W. Bisti Coal 10 #1	Date Reported:	11-07-05
Laboratory Number:	34884	Date Sampled:	11-02-05
Chain of Custody:	15013	Date Received:	11-02-05
Sample Matrix:	Soil	Date Analyzed:	11-05-05
Preservative:	Cool	Date Extracted:	11-03-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**8.1**	**1.8**
Toluene	**24.7**	**1.7**
Ethylbenzene	**27.9**	**1.5**
p,m-Xylene	**120**	**2.2**
o-Xylene	**38.3**	**1.0**
Total BTEX	**219**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**99.0 %**
	1,4-difluorobenzene	**99.0 %**
	Bromochlorobenzene	**99.0 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments:

Christine Walters
Analyst

Mary Bruce
Review

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