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

Approval:

Printed Name/Title _

State of New Mexico **Energy Minerals and Natural Resources**

June 1, 2004

Form C-144

Oil Conservation Division 1220 South St. Francis Dr. 222 Santa Fe, NM 87505³

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 of Closure

Is pit or below-grade tank covered by a general plan"? Yes No [1] Type of action: Registration of a pit or below-grade tank. Closure of a pit or below-grade tank Telephone: (505) 326-9841 e-mail address: LHasely@br-inc.com Operator: Burlington Resources Address: 3401 East 30th Street, Farmington, New Mexico, 87402 Facility or well name: Mangum No. 5 API #: 30045257370000 U/L or Qtr/Qtr K Sec 10 T 28N R 11W Longitude -107.9939 NAD: 1927 ☑ 1983 ☐ County: San Juan Latitude 36.67521 Surface Owner: Federal ☐ State ☐ Private ☒ Indian ☐ Below-grade tank <u>Pit</u> Type: Drilling Production Disposal Volume: 95 bbl Type of fluid: Produced Water and Incidental Oil Workover ☐ Emergency ☐ Construction material: Fiberglass Lined Unlined U Double-walled, with leak detection? Yes If not, explain why not. Liner type: Synthetic Thickness _____mil Clay [No. Tank in place prior to Rule 50. Pit Volume Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more 10 (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic No (0 points) 0 water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 20 30 **Ranking Score (Total Points)** 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 vour are burving in place) onsite 🔟 offsite 🗹 If offsite, name of facility Envirotech Landfarm 2. (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 (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: 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 . Printed Name/Title 1End Horsely Env. Advisor 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. CENTY OIL & GAS INSPECTOR, DIST. 68 Signature Kny Leef MAY 2 4 2005

CLIENT: Burlington	Į.	Envirotech Inc.		LOCATION NO	
froures		RONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615		C.O.C. NO	
l (SURE VERIFIC	CATION	PAGE No:	of 2
LOCATION: NAME: MOSS	-	WELL #: 5 PIT:		DATE STARTED:	
QUAD/UNIT: K SEC: OTR/FDDTAGE:		RNG: [IW PM: NMPM CN! CONTRACTOR: LJ-R	MU:TR TR TR	ENVIRONMENTAL SPECIALIST: MY	
EXCAVATION APPROX DISPOSAL FACILITY: LAND USE:	Envirotech Ll	F # 2 REMEDIAT	ION METHO		520
FIELD NOTES & REMAR					i
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CLIENT: Burlington	Env	IROTECI	HINC.		LOCATION	ND:
Resources	5796	TAL SCIENTISTS U.S. HIGHWAY	64-3014		C.D.C.	NO:
	PHO	GTON, NEW MEX ONE: (505) 632	-0615			
FIELD REPOF	RT: CLOSU	RE V	ERIFIC	CATION	PAGE No:	2 of 2
LOCATION: NAME: Mangum WELL #: 5 PIT: QUAD/UNIT: K SEC: 10 TWP: 28N RNG: 11W PM: NMPM CNTY: SJ ST: NM				. ST on 100	DATE CIMICUE	3/9/05
QUAD/UNIT: R SEC:					ENVIRONMENTA SPECIALIST:	L MPM
EXCAVATION APPROX DISPOSAL FACILITY:& LAND USE:	Envirotech LF #	2F	REMEDIATION	ON METHO	D:	
						
FIELD NOTES & REMAR DEPTH TO GROUNDWATER: 10						
NMOCD RANKING SCORE: 30	NMBCD TPH CLOSUR	E STD: 10	O PPM		CHECK	DNE_:
SOIL AND EXCAVATION	IN DESCRIPTION				_PIT_ABAND _STEEL_TAN	ONED K INSTALLED
Jerry Montoga had finished excavation. Took 5 separate samples for analysis. No visible signs of contamination remaining.						
¥						
	TIME SAMPLE I.D.		_D 418.1 CAL	ML. FREON DI	LUTION READIN	NG CALC. ppm
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TRAVEL NOTES: CALLOUT		01	NSITE:			



Client:

Burlington Resources

Project #:

92115-021-031

Sample No.:

1

Date Reported:

3/23/2005

Sample ID:

Discrete, 3' Below BG Tank

Date Sampled:

3/9/2005

Sample Matrix:

Soil

Date Analyzed:

3/9/2005

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

222

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:

Mangum No. 5

Analyst



Client:

Burlington Resources

Project #: 92115

92115-021-031

Sample No.:

2

Date Reported:

3/23/2005

Sample ID:

Discrete 9' Depth

Date Sampled: 3/9/2

3/9/2005

Sample Matrix:

Soil

Date Analyzed:

3/9/2005

Preservative: Condition:

Cool and Intact

Analysis Needed:

TPH-418.1

Pai	ran	nef	er	,

Det. Concentration Limit (mg/kg) (mg/kg)

Total Petroleum Hydrocarbons

84.7

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:

Mangum No. 5

Analyst



Client:

Burlington Resources

Project #:

92115-021-031

Sample No.:

3

Date Reported:

3/23/2005

Sample ID:

4 Pt Composite of Walls

Date Sampled:

3/17/2005

Sample Matrix:

Soil

Date Analyzed:

3/17/2005

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

93.0

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:

Mangum No. 5

Analyst



Client:

Burlington Resources

Project #:

92115-021-031

Sample No.:

4

Date Reported:

3/23/2005

Sample ID:

Bottom @ 15' depth

Date Reported:

3/17/2005

Sample Matrix:

Soil

Date Analyzed:

3/17/2005

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

61.1

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:

Mangum No. 5

Analyst