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
r drilling and production facilities, submit to

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: Burlington Resources Telephone: (505) 326-9841 e-mail address: LHasely@br-inc.com				
Address: 3401 East 30th Street, Farmington, New Mexico, 87402				
Facility or well name: Culpepper Martin No. 16 API #: 3	0045118210000 U/L or	Qtr/Qtr <u>C</u> Sec <u>4</u> T <u>31N</u> R <u>12W</u>		
County: San Juan Latitude	36.93235 Longitude -108.10344	NAD: 1927 ⊠ 1983 □		
Surface Owner: Federal State Private Indian	201,5220			
	[B.J			
Pit	Below-grade tank			
Type: Drilling ☐ Production ☐ Disposal ☐ Volume: 60 bbl Type of fluid: Produced Water and Incidental Oil				
Workover ☐ Emergency ☐ Construction material: <u>Fiberglass</u>				
Lined Unlined	ined ☐ Unlined ☐ Double-walled, with leak detection? Yes ☒ If not, explain why not.			
Liner type: Synthetic Thicknessmil Clay				
Pit Volumebbl				
	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	(0 points) 0		
		(o points)		
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)		
water source, or less than 1000 feet from all other water sources.)	No	(0 points) 0		
	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		
	Ranking Score (Total Points)	20		
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's	relationship to other equipment and tanks (2) Indica	te disposal location: (check the onsite box if		
your are burying in place) onsite offsite If offsite, name of facility _!				
remediation start date and end date. (4) Groundwater encountered: No 🛛 Y		tt. and attach sample results.		
(5) Attach soil sample results and a diagram of sample locations and excavat	ions.			
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 .				
5/16/05				
Printed Name/Title Mr. Ed Hasely, Environmental 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.				
GEPUTY OIL & GAS INSPECTOR, DIST. COS				
Printed Name/Title Signature Signature Date: MAY 2 4 2005				
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DEPTH TO GROUNDWATER: O NEAREST WATER SOURCE: O NEAREST SURFACE WATER. 20 NMOCD RANKING SCORE: 20 NMOCD TPH CLOSURE STD: 100 PPM CHECK ONE: PIT ABANDONED STEEL TANK INSTALLED 25 Visible contamination underneath removed UST.		ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 67401 CHONE (505) 632-0615	Till Hand Bash (Figure 1999) (
EXCAVATION APPROX 34 PT x 23 FT x 12 FT DEEP CUBIC YARDAGE 328 DISPOSAL FACILITY: LAND USE LEASE: FORMATION: FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120' FT. 130° FROM WELLHEAD. DEPIH TO ORDINOVATER: O DEADREST WATER SOURCE: O DEADREST WATER SOURCE: O DEADREST SUBFACE WATER 20 PIT ABANDONED STEEL TANK INSTALLED 25 Visible contamination indernach remand UST. 26 Monitoral excavation excavation is up to separate pipins. 3 ucils appear insibly clean. 127 No remaining visible signs of anterimation. Soil will be taken to Service LET 2. FIELD 4181 CALCHATIONS TIME SAMPLE 10 LAB No: WEIGHT (9) and FREON DUUTON READING CALC paper PIT PERIMETER O PT PIT PERIMETER OVM PIT PROFILE LAB SAMPLES SAMPLE 10 LAB MO: WEIGHT (9) and FREON DUUTON READING CALC paper A PHANK 31 PM SECOND WATER AND CALC PAPER A PHANK 31 PM LAB SAMPLES SAMPLE 10 LAB MO: WEIGHT (9) and FREON DUUTON READING CALC paper A PHANK 31 PM LAB SAMPLES SAMPLE 10			
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EXCAVATION APPROX 54 FT x 23 FT x 12 FT DEEP CHRIC YARDAGE 328 DISPOSAL FACILITY: LAND USE LEASE: FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120 FT. 130° FROM WELLHEAD. DEPTH TO GROUNDWATER Q HEAREST WATER SOURCE Q NEAREST SUPPACE WATER 20 NMODO RANKING SCORE 20 NMODO TPH CLOSURE STO 100 PPM SOIL AND EXCAVATION DESCRIPTION: 25 Visible entamination underkeath returned UST. 26 Monitoral excavation, excavation is up to superate piping. 3 ualls appear visibly clean. 127 No remaining visible signs of antenination. Soil will be taken to Environment of the piping of the pip	OTR/FOOTAGE:	CONTRACTOR: LJR	ENVIRONMENTAL MM SPECIALIST MM
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120' FT. 130° FROM WELLHEAD. DEPTH TO ORDUNDWATER C. NEAREST WATER SOURCE O. NEAREST SUPFACE WATER 20 AMOCH RANKING SCURE: 20 MINDED THA CLOSURE STD. 100 PPN SOIL AND EXCAVATION DESCRIPTION: 25 Visible contamination underseath remand UST. 26 Monitared excavation, excavation is up to separation appins. 3 walls appear insibly alean. 127 No remaining visible signs of outtamination. Soil will be taken to Environte LF # 2. FIELD AIBLI CALCULATIONS TIME SAMPLE 1.D. LAS NO. WEIGHT (3) INT. FREON DILUTION READING CALC. ppm. 1225 Dothn 1 5 20 1 0.0027 19.4 17235 41 pt Lkils 1 5 20 1 0.0027 19.4 17235 41 pt Lkils 1 5 20 1 0.0027 19.4 17235 41 pt Lkils 1 5 20 1 0.005 34.7 1 13 Dollar The PROFILE PIT PERIMETER RESULTS OFT OVM PIT PROFILE A 13 Dollar The proposer A 14 Dollar The proposer A 15 Dollar The proposer	EXCAVATION APPROX 3	H FT x Z3 FT x 12 FT DEE	P CUBIC YARDAGE: 328
DEPTH TO GROUNDWATER. O NEAREST VATER SOURCE. O NEAREST SUPFACE VATER. 20 NMODD RANKING SCORE: 20 NMODD TPH CLOSURE STID 100 PPH SOIL AND EXCAVATION DESCRIPTION: 25 Visible contamination condecreath remand UST. 26 Monitored excavation, excavation is up to separator pipins. 3 walls appear visibly alexam. 27 No remaining visible signs of antamination. Soil will be taken to Environe LET 2. FIELD 418.1 CALCULATIONS TIME SAMPLE 10 LAB No: WEIGHT (9) only FREON DILLUTION READING CALC ppm 12.25 Bothon 1 5 20 1 0.0027 19.4 12.25 Bothon 1 5 20 1 0.005 34.7 PIT PERIMETER RESULTS PIT PROFILE Note: SAMPLE 10 LAB SAMPLES SAMPLE 10 PROFILE A 13 Dallow 174 ppm SAMPLE 10 PROFILE A 2.0 1 0.005 34.7 A 3.0 100 100 1000 1000 1000 1000 1000 10			
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Monitored executation, executation is up to separate piping. 3 walls appear visibly alexan. 27 No remaining visible signs of antamination. Soil will be taken to Envirote LF # 2. 18			PIT ABANDONED
PIT PERIMETER OVM RESULTS SAMPLE FIELD HEADSPACE FID (ppm) 13 Bullow 174 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 2 plm 4 4 8 + Walk 31 ppm 4		ontamination.	いくく ムレノコ めょ ファルルス フトーシャインディーグ
SAMPLE FIELD HEADSPACE FID (pprn) 13 Bulow 174 ppm 211' TD 8 ppn 3 Fisher 2 ppm 4 4 8 + Wask 31 ppm 5 LAB SAMPLES SAMPLE SAMPLES ANALYSIS TIME X = 4 P+ Walls	SCALE	TIME SAMPLE I.D. LAB No: WEIGHT (g) r 1225 Botton 1 5	CULATIONS THE FREON DILUTION READING CALC. ppm 20 i C-0027 19.4
	SCALE O FT	TIME SAMPLE I.D. LAB NO: WEIGHT (g) r 1225 Botton 1 5 1235 4 pt Walls 1 5 TTER OVM	CULATIONS THE FREON DILUTION READING CALC. ppm 20 1 0.0027 19.4 20 1 0.005 34.7



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Burlington Resources

Project #:

92115-021-058

Sample No.:

1

Date Reported:

5/3/2005

Sample ID:

Bottom @ 12' total depth Soil

Date Sampled: Date Analyzed: 4/27/2005 4/27/2005

Sample Matrix: Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

19.4

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:

Culpepper Martin No. 16

Analyst

Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Burlington Resources

Project #:

92115-021-058

Sample No.:

2

Date Reported:

5/3/2005

Sample ID:

Walls, 4 Point Composite

Date Sampled:

4/27/2005

Sample Matrix:

Soil

Date Analyzed:

4/27/2005

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

34.7

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:

Culpepper Martin No. 16

Analyst

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