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

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Form C-144

June 1, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

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: LL	lasely@br-inc.com			
Address: 3401 East 30 Street, Parmington, New Mexico, 87402					
•	<u>30045271790000</u> U/L or	Qtr/Qtr <u>M</u> Sec <u>15</u> T <u>32N</u> R <u>10W</u>			
County: San Juan Latitude	36.98046 Longitude <u>-107.87545</u>	NAD: 1927 🛭 1983 🗌			
Surface Owner: Federal 🗌 State 🔲 Private 🔯 Indian 🗍					
<u>Pit</u>	Below-grade tank				
Type: Drilling Production Disposal	Volume: 60 bbl Type of fluid: Produced Water	er and Incidental Oil			
Workover ☐ Emergency ☐	Construction material: Fiberglass				
Lined 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) 20			
	V	(20 :)			
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			
		40			
	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 your are burying in place) onsite  offsite  from 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 surfaceft. and attach sample results.					
(5) Attach soil sample results and a diagram of sample locations and excavat	ions.				
Additional Comments:					
The soils tested clean and no soil remediation was required.					
·					
		<del></del>			
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: 5/24/05					
Printed Name/TitleMr. 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.					
APERULY CAL & GAS INSPECTOR, DIST. BE CONTINUED Name/TitleSignature					
' // /					

PIELD REPORT: CLOSURE VERIFICATION PAGE NO: 1 of 1  LOCATION: NAME: Books Paol Unit WELL #: 1 PIT.  QUADUUNIT SEC IS TWP 32N RING IBOU PHILMM CNTY. ST ST.MM  QUADUUNIT SEC IS TWP 32N RING IBOU PHILMM CNTY. ST ST.MM  QUADUUNIT SEC IS TWP 32N RING IBOU PHILMM CNTY. ST ST.MM  QUADUUNIT SEC IS TWP 32N RING IBOU PHILMM CNTY. ST ST.MM  QUADUUNIT SEC IS TWP 32N RING IBOU PHILMM CNTY. ST ST.MM  QUADUUNIT SEC IS TWP 32N RING IBOU PHILMM CNTY. ST ST.MM  QUADUUNIT SEC IS TWP 32N RING IBOU PHILMM CNTY. ST ST.MM  QUADUUNIT SEC IS TWP 32N RING IBOU PHILMM CNTY. ST ST.MM  PORMANEN TO STREED TO THE ST. ST ST.MM  PORMANEN MARKES  EXCAVATION APPROX  FT X FT DEEP CUBIC VARDAGE: ON PROMOTOR IBOUR MARKES  EXCAVATION METHOD:  LAND USE: FORMATION.  FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY G2 FT. 310° FROM WELLHEAD  BEFH TO GROUNDWATER 2.0 NEAREST VATER SOURCE O NEAREST SUBFACE VATER SOURCE  AND DEAR ANALYSIS SUBFACE VATER SOURCE O NEAREST SUBFACE VATER SOURCE  SDIL AND EXCAVATION DESCRIPTION.  LOCATION IS BOOMED ON NOCE THAT CLOSURE STD 100 PPH  CHECK INC.  PIT ABANDONED  LOCATION READING CALC POTH  BOTH SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CHECK INC.  TIME SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL TO THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL TO THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL TO THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL TO THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL TO THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION READING CALC POTH  CALL THE SAMPLE ID LAB NO: WEIGHT (9) THE FROM DILUTION CALL POTH  CALL THE SAMPLE ID LAB NO: WEIGHT	CLIENT: Burlington	E	NVIROTEC	H INC.		LOCATION NO	 ]:
DOCATION: NAME Bods Real Unit WELL #: 1 PIT:  QUAD/UNIT SEC: 15 TWP 32M RNG 10M PM/MAM CNTY: 53 ST.MM  QTR/FDDIAGE:  CONTRACTOR LOR  CONTRACTOR  C			5796 U.S. HIGHWAY ARMINGTON, NEW ME	64-3014 XICO 87401			
QUAD/UNIT: SEC 15 TWP 32N RNG 18N PMAMM CNTY 57 ST AM QTR/FOOTAGE  CONTRACTOR LAR  EXCAVATION APPROX  FT X FT X FT DEEP CUBIC YARDAGE:   DISPOSAL FACILITY: N/A REMEDIATION METHOD:  LAND USE: LEASE: FORMATION:  FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 92 FT 310° FROM WELLHEAD.  BEFTH TO GROUNDWATER: 20 NEAREST VATER SOURCE: 0 NEAREST SUPFACE VATER  BEFTH TO GROUNDWATER: 20 NEAREST VATER SOURCE: 0 NEAREST SUPFACE VATER  BEFTH TO GROUNDWATER: 20 NEAREST VATER SOURCE: 0 NEAREST SUPFACE VATER  BEFTH TO GROUNDWATER: 10 NAMED THE CLOSURE STD: 100 PPH  CHECK DNE:  PIT ABANDONED  STEEL TANK INSTALLED  Location is busined -1 Nichtwest south sides by irright, lead. To the direct wish of BET is an irrighten Jitch wishes by irright, lead. To the direct wish of BET is an irrighten Jitch wishest.  SCALE 5123 1155 3 busine 1 S 20 1 0.0142 93.5  O FT  PIT PERIMETER RESULTS  PIT PROFILE  FIRED 4181 CALCULATIONS  TIME SAMPLE ID LAB No: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  SCALE 5123 1155 3 busine 1 S 20 1 0.0142 93.5  O FT  PIT PERIMETER RESULTS  PIT PROFILE  FIRED 4181 CALCULATIONS  TIME SAMPLE ID LAB No: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  SCALE 5123 1155 3 busine 1 S 20 1 0.0142 93.5  O FT  PIT PERIMETER RESULTS  PIT PROFILE  FIRED 4181 CALCULATIONS  TIME SAMPLE ID LAB No: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  SCALE 5123 Labor 144 pph  A SAMPLE ID LAB NO: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  SCALE 5123 Labor 144 pph  A SAMPLE ID LAB NO: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  SCALE 5123 Labor 144 pph  A SAMPLE ID LAB NO: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  A SAMPLE ID LAB NO: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  A SAMPLE ID LAB NO: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  A SAMPLE ID LAB NO: WEIGHT (3) Inc. FREON DILUTION READING CALC pom  A SAMPLE ID LAB NO: WEIGHT (3) Inc. FREON DILUTION READING CALC POM  A SAMPLE ID LAB NO: WEIGHT (3) Inc. FREON DILUTION READING CALC POM  A SAMPLE ID LAB NO: WEIGHT (3) INC. WEIGHT (3) INC. WEIG						PAGE No: 1	of
STREAMPLES  COMPRISE  CONTRACTOR LAR  SPECULITY  SPECULITY  MA  REMEDIATION METHOD:  LEASE:  FORMATION:  FIELD NOTES & REMARKS  PIT LOCATED APPROXIMATELY  Q2 FT 310° FROM VELLHEAD.  BEPTH TO GROUNDWATER 20 NEAREST VATER SOURCE:  O NEAREST SUBFACE VATER VALUE  SOIL AND EXCAVATION DESCRIPTION:  Location is barbard on Ninth east south sides by irrights land. To the direct west of BCT is an irrighten ditch wy socient. No nicible signs of categoriac bankth BCT. No sail maked from site.  FIELD 4181 CALCULATIONS  SCALE  STATE SAMPLE ID LAB NO: WEIGHT (g) Inc., FREON DILUTION READING CALC ppm  SCALE  STATE SAMPLE ID LAB NO: WEIGHT (g) Inc., FREON DILUTION READING CALC ppm  PIT PERIMETER  RESULTS  O PT  PIT PERIMETER  RESULTS  SAMPLE ID LAB NO: WEIGHT (g) Inc., FREON DILUTION READING CALC ppm  O PT  PIT PERIMETER  RESULTS  SAMPLE ID LAB NO: WEIGHT (g) Inc., FREON DILUTION READING CALC ppm  O PT  PIT PERIMETER  RESULTS  SAMPLE ID LAB SAMPLES  LAB SAM					: ST ST:NM		
DISPOSAL FACILITY: N/A REMEDIATION METHOD:  LAND USE: LEASE: FORMATION:  FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 92 FT. 310° FROM WELLHEAD.  DEPTH TO GROUNDWATER 20 NEAREST VATER SDURCE: 0 NEAREST SURFACE VATER: 20  NMOCD RANKING SCORE: 40 NMOCD TPH CLOSURE STD 100 PPM  SDIL AND EXCAVATION DESCRIPTION:  Location is bursered an Night, cost is south sides by irrigated land. To the distribution brusch Bot. N. soil received from site.  FIELD 418.1 CALCULATIONS  TIME SAMPLE 1.D LAB No: WEIGHT (9) ML. FREON DILUTION READING CALC ppm  SCALE 5/23 1155 3 below 1 5 20 1 0.0142 98.5  O PT  PIT PERIMETER ROUNDS  SAMPLE 1.D LAB No: WEIGHT (9) ML. FREON DILUTION READING CALC ppm  OVM  PIT PERIMETER ROUNDS  SAMPLE 1.D LAB No: WEIGHT (9) ML. FREON DILUTION READING CALC ppm  OVM  PIT PERIMETER ROUNDS  SAMPLE 1.D LAB No: WEIGHT (9) ML. FREON DILUTION READING CALC ppm  OVM  PIT PERIMETER ROUNDS  SAMPLE 1.D LAB No: WEIGHT (9) ML. FREON DILUTION READING CALC ppm  OVM  PIT PROFILE  FIGURE 1.D LAB No: WEIGHT (9) ML. FREON DILUTION READING CALC ppm  OVM  PIT PROFILE  ANALYSE 1.D LAB SAMPLES  SAMPLE 1.D LAB SAMPLE							1PM
DEPTH TO GROUNDVATER: 20 NEAREST VATER SQURCE: 0 NEAREST SURFACE VATER: 20  NMOCD RANKING SCORE: 40 No MOCD TPH CLOSURE STD: 100 PPM  CHECK DNE:  PIT ABANDONED  STEEL TANK INSTALLED  Location is bordered on North, east & south sides by irrigated land. To the direct west of BGT is an irrigation ditth by gradient. No visible signs of contamination brunch BGT. No. sid moved from site.  FIELD 418.1 CALCULATIONS  SCALE 5/23 1155 3 blow 1 5 20 1 0.0142 9.3.5  O FT  PIT PERIMETER RESULTS  OVM  RESULTS  OVM  PIT PROFILE  RESULTS  PIT PROFILE  OVM  RESULTS  PIT PROFILE  OVM  RESULTS  PIT PROFILE  OVM  RESULTS  PIT PROFILE  OVM  RESULTS  OVM  READING CALC PART  OVM  RESULTS	DISPOSAL FACILITY: N/A REMEDIATION METHOD:						
SOIL AND EXCAVATION DESCRIPTION:  Location is bordered on North, east I south sides by irrigated land. To the direct wrist of BET is an irrigation ditch by gradient. No visible signs of contamination breach BET. No soil removed from site.  FIELD 418.1 CALCULATIONS  TIME SAMPLE 1D LAB No: WEIGHT (g) Imal. FREON DILUTION READING CALC ppm  SCALE  5/23  TIME SAMPLE 1D LAB No: WEIGHT (g) Imal. FREON DILUTION READING CALC ppm  PIT PERIMETER  RESULTS  PIT PROFILE  Supple Proposed  South State  LAB SAMPLES  Supple Point  LAB SAMPLES  Supple Point  X = Sample Point	DEPTH TO GROUNDWATER:	DEPTH TO GROUNDWATER: 20 NEAREST WATER SOURCE: 0 NEAREST SURFACE WATER: 20					
direct west of BET is an irrisation ditch up gradient. No visible signs of contemination breach BET. No soil nemoved from site.  FIELD 418.1 CALCULATIONS  TIME SAMPLE 1.D. LAB No: WEIGHT (9) ml. FREON DILUTION READING CALC ppm  SCALE 5/23 1155 3' below 1 5 2.0 1 0.0142 9.8.5  OFT  PIT PERIMETER  OVM  RESULTS  SAMPLE RED PROPRILE  FIRST PROPRISE  1 3 1 14 ppm  2 3 4 5 5 1 1				<u>Jo</u> PPM		PIT ABANDON	ED
SCALE 5/23 1155 3' balow 1 5 20 1 0.0142 9.8.5  O FT  PIT PERIMETER  RESULTS  SAMPLE FIELD HARDSPACE PO (ppm)  1 3' balow 14 ppm  2 1	direct west of BET is an irrigation ditch up-gradient. No visible signs of contamination beneath BET. No soil removed from site.						
O FT  PIT PERIMETER  RESULTS  PIT PROFILE  SAMPLE FIELD HEADSPACE 10 13 balow 14 ppm  3 4 5  Compressor  Compressor  LAB SAMPLES  SAMPLE ANALYSIS TIME  X = Sample Point				<del> </del>			
PIT PERIMETER  RESULTS  SAMPLE FIELD HEADSPACE PIO (ppm)  1 3' balow 14 ppm  2		1155 3 belo	υ <u>1</u>	5	20	0.0142	48.5
Sample FIELD HEADSPACE PRO (SPIN)  3 balow 14 ppn  3 sample FIELD HEADSPACE PRO (SPIN)  3 balow 14 ppn  5 sample Steel  5 sample ANALYSIS TIME  20000}  X = Sample Point		ETER		<u> </u>	PIT	PROFILE	



## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

**Burlington Resources** 

Project #:

92115-021-054

Sample No.:

1

Date Reported:

5/23/2005

Sample ID:

Discreet, 3' Below BG Tank

Date Sampled:

5/23/2005

Sample Matrix:

Soil

Date Analyzed:

5/23/2005

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

**Total Petroleum Hydrocarbons** 

98.5

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:

**Bonds Pool Unit No. 1** 

**Analyst** 

Reyiew