

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 ☐

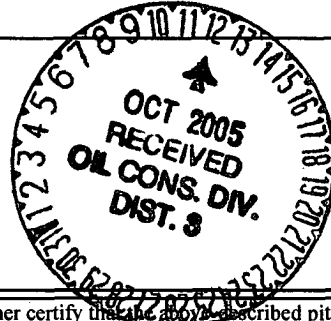
(WFS CLOSURE) Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>BURLINGTON RESOURCES OIL &amp; GAS CO</u> Telephone: _____ e-mail address: _____	
Address: <u>801 CHERRY ST FORT WORTH, TX 76102</u>	
Facility or well name: <u>COOPER #003</u>	API #: <u>30-045-08683</u> U/L or Qtr/Qtr <u>L</u> SEC <u>6</u> T <u>29N</u> R <u>11W</u>
County: <u>SAN JUAN</u>	Latitude <u>36.75211</u> Longitude <u>-108.03771</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>	
<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input checked="" type="checkbox"/> Liner Type: Synthetic <input checked="" type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume <u>120</u> bbl	<b>Below-grade tank</b> Volume: _____ bbl Type of fluid: _____ Construction Material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not.
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) <u>0</u> 100 feet or more (0 points)
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) <u>0</u>
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 to 1,000 feet (10 points) <u>0</u> Greater than 1,000 feet (0 points)
Ranking Score (TOTAL POINTS): <u>0</u>	

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:

Risk



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the 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: 9/9/05

Printed Name/Title Mark Harvey for Williams Field Services Signature Mark Harvey FOR WFS

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 Signature Denise Ford Date: OCT 12 2005

# **ADDENDUM TO OCD FORM C-144**

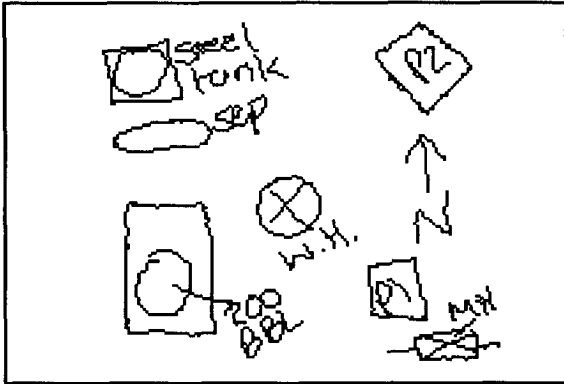
**Operator:** BURLINGTON RESOURCES OIL & GAS COMPANY LP

**API:** 30-045-08683

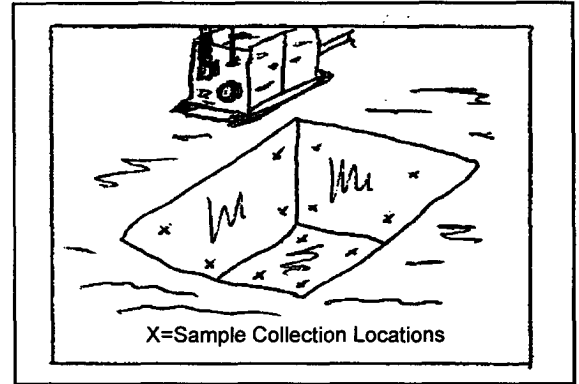
**Well Name:** COOPER #003

**Meter:** 32613

**Facility Diagram:**



**Sampling Diagram:**



**Pit Dimensions**

Length 15 Ft.

Width 15 Ft.

Depth 3 Ft.

**Location of Pit Center**

Latitude 36.75202

Longitude -108.03746

(NAD 1927)

**Pit ID**

326131

**Pit Type**

Glycol Dehydrator

**Date Closure Started:** 4/3/03

**Date Closure Completed:** 4/3/03

**Closure Method:** Excavated, Blended, Treated Soil Returned

**Bedrock Encountered ?** ☒

**Cubic Yards Excavated:** 83

**Vertical Extent of Equipment Reached ?** ☐

**Description Of Closure Action:**

Contaminated soil was removed and treated then returned to the excavation following sampling of the walls and floor.

BEDROCK limited vertical excavation and/or prevented sampling. This condition limits deleterious environmental effects.

**Pit Closure Sampling:**

Sample ID	Sample Date	Head Space	BTEX Total (mg/kg)	Benzene (mg/kg)	TPH DRO (mg/kg)	Purpose	Location	Depth	
104403APR03	4/3/03		141.9	4.1	440	EX Confirm	Flr	10	See Risk Analysis
105103APR03	4/3/03		0.5	0	26	EX Confirm	Walls	10	
125119JUN02	6/19/02		1779	66	2500	ASSESS		3	

Lab Project Number: 6069637  
Client Project ID: NM Pits

Lab Sample No: 606002236 Project Sample Number: 6069637-005 Date Collected: 04/03/03 10:44  
Client Sample ID: 104403APR03 Matrix: Soil Date Received: 04/18/03 11:07

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC Semivolatiles</b>									
Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	11.		1.1 04/23/03 15:26	MIM			
Jet Fuel	ND	mg/kg	11.		1.1 04/23/03 15:26	MIM			
Kerosene	ND	mg/kg	11.		1.1 04/23/03 15:26	MIM			
Diesel Fuel	440	mg/kg	11.		1.1 04/23/03 15:26	MIM	68334-30-5	2	
Fuel Oil	ND	mg/kg	11.		1.1 04/23/03 15:26	MIM	68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 04/23/03 15:26	MIM			
n-Tetracosane (S)	91	%			1.0 04/23/03 15:26	MIM	646-31-1		
p-Terphenyl (S)	84	%			1.0 04/23/03 15:26	MIM	92-94-4		
Date Extracted	04/21/03				04/21/03				

#### Organics Prep

Percent Moisture Method: SM 2540G  
Percent Moisture 10.9 % 1.0 04/22/03 MAM

#### GC Volatiles

Aromatic Volatile Organics Prep/Method: EPA 5030 Medium Soil / EPA 8021

Benzene	4100	ug/kg	520	10.4 04/21/03 17:14	SHF	71-43-2
Ethylbenzene	7800	ug/kg	520	10.4 04/21/03 17:14	SHF	100-41-4
Toluene	49000	ug/kg	520	10.4 04/21/03 17:14	SHF	108-88-3
Xylene (Total)	81000	ug/kg	1300	10.4 04/21/03 17:14	SHF	1330-20-7
a,a,a-Trifluorotoluene (S)	85	%		1.0 04/21/03 17:14	SHF	98-08-8

## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6069637  
Client Project ID: NM Pits

Lab Sample No: 606002244      Project Sample Number: 6069637-006      Date Collected: 04/03/03 10:51  
Client Sample ID: 105103APR03      Matrix: Soil      Date Received: 04/18/03 11:07

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
<b>GC Semivolatiles</b>									
Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	11.		1.1 04/23/03 15:54	MIM			
Jet Fuel	ND	mg/kg	11.		1.1 04/23/03 15:54	MIM			
Kerosene	ND	mg/kg	11.		1.1 04/23/03 15:54	MIM			
Diesel Fuel	26.	mg/kg	11.		1.1 04/23/03 15:54	MIM	68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 04/23/03 15:54	MIM	68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 04/23/03 15:54	MIM			
n-Tetracosane (S)	85	%			1.0 04/23/03 15:54	MIM	646-31-1		
p-Terphenyl (S)	84	%			1.0 04/23/03 15:54	MIM	92-94-4		
Date Extracted	04/21/03				04/21/03				

#### Organics Prep

Percent Moisture      Method: SM 2540G  
Percent Moisture      10.2      %      1.0 04/22/03      MAM

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	55.		1.1 04/21/03 17:44	SHF	71-43-2		
Ethylbenzene	ND	ug/kg	55.		1.1 04/21/03 17:44	SHF	100-41-4		
Toluene	130	ug/kg	55.		1.1 04/21/03 17:44	SHF	108-88-3		
Xylene (Total)	370	ug/kg	140		1.1 04/21/03 17:44	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	97	%			1.0 04/21/03 17:44	SHF	98-08-8		

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Lab Project Number: 6060215  
Client Project ID: N.M. Pits Assessments

Lab Sample No: 605229186      Project Sample Number: 6060215-018      Date Collected: 06/19/02 12:51  
Client Sample ID: 125119JUN02      Matrix: Soil      Date Received: 06/27/02 09:20

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
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### GC Semivolatiles

Total Extractable Hydrocarbons Prep/Method: OA2 / OA2

Mineral Spirits	ND	mg/kg	11.	07/03/02 16:19	WAW			
Jet Fuel	ND	mg/kg	11.	07/03/02 16:19	WAW			
Kerosene	ND	mg/kg	11.	07/03/02 16:19	WAW			
Diesel Fuel	2500	mg/kg	11.	07/03/02 16:19	WAW	68334-30-5		
Fuel Oil	ND	mg/kg	11.	07/03/02 16:19	WAW	68334-30-5		
Motor Oil	ND	mg/kg	11.	07/03/02 16:19	WAW			
n-Tetracosane (S)	157	%		07/03/02 16:19	WAW	646-31-1	4	
p-Terphenyl (S)	104	%		07/03/02 16:19	WAW	92-94-4		
Date Extracted				07/02/02				

### Organics Prep

Percent Moisture	Method:				
Percent Moisture	12.7	%		07/03/02	MIM

### GC Volatiles

TPH Gas/BTEX

Prep/Method: TPH GRO/BTEX / EPA 8021/OA1

Gasoline Range Hydrocarbons	32000000	ug/kg	550000	07/02/02 20:31	SHF			
Benzene	66000	ug/kg	5500	07/02/02 20:31	SHF	71-43-2		
Toluene	630000	ug/kg	5500	07/02/02 20:31	SHF	108-88-3		
Ethylbenzene	83000	ug/kg	5500	07/02/02 20:31	SHF	100-41-4		
Xylene (Total)	1000000	ug/kg	14000	07/02/02 20:31	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	139	%		07/02/02 20:31	SHF	98-08-8	2,3	
4-Bromofluorobenzene (S)	105	%		07/02/02 20:31	SHF	460-00-4		

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