

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

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 ☐

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

Operator: BURLINGTON RESOURCES OIL & GAS CO Telephone: \_\_\_\_\_ e-mail address: \_\_\_\_\_  
Address: 801 CHERRY ST FORT WORTH, TX 76102  
Facility or well name: CAIN #010E API #: 30-045-24109 U/L or Qtr/Qtr F SEC 15 T 28N R 10W  
County: SAN JUAN Latitude 36.66498 Longitude -107.88579 NAD: 1927 ☒ 1983 ☐  
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**  
Type: Drilling ☐ Production ☒ Disposal ☐  
Workover ☐ Emergency ☐  
Lined ☐ Unlined ☒  
Liner Type: Synthetic ☒ Thickness \_\_\_\_\_ mil Clay ☐  
Pit Volume 214 bbl

**Below-grade tank**  
Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_  
Construction Material: \_\_\_\_\_  
Double-walled, with leak detection? Yes ☐ 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 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)	<u>0</u>
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)	<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 200 feet to 1,000 feet Greater than 1,000 feet	(20 points) (10 points) (0 points)	<u>0</u>
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:



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: 9/9/05

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

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: \_\_\_\_\_  
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3 Signature Wendy Fort Date: OCT 12 2005

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

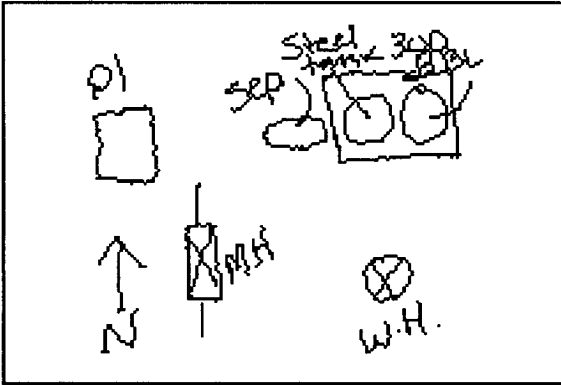
**Operator:** BURLINGTON RESOURCES OIL & GAS COMPANY LP

**API:** 30-045-24109

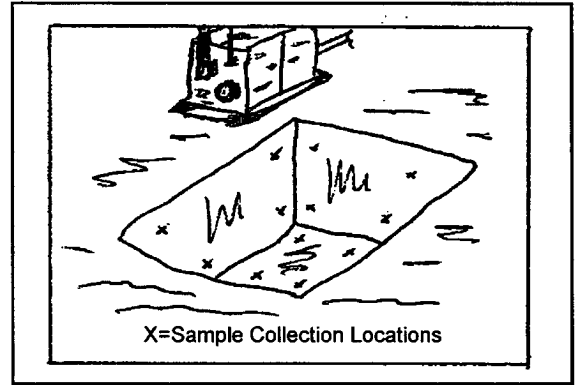
**Well Name:** CAIN #010E

**Meter:** 34737

**Facility Diagram:**



**Sampling Diagram:**



**Pit Dimensions**

Length 20 Ft.

Width 20 Ft.

Depth 3 Ft.

**Location of Pit Center**

Latitude 36.66502

Longitude -107.88619

(NAD 1927)

**Pit ID**

347371

**Pit Type**

Glycol Dehydrator

**Date Closure Started:** 4/11/03

**Date Closure Completed:** 4/11/03

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

**Bedrock Encountered ?** ☐

**Cubic Yards Excavated:** 133

**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.

Vertical extent of excavation limited by equipment

**Pit Closure Sampling:**

Sample ID	Sample Date	Head Space	BTEX Total (mg/kg)	Benzene (mg/kg)	TPH DRO (mg/kg)	Purpose	Location	Depth
130606AUG02	8/6/02		1048	28	610	ASSESS		3
141811APR03	4/11/03	2221	291	0	1100	EX Confirm	Flr	12
142011APR03	4/11/03	75.3	4.31	0	1400	EX Confirm	Walls	12

See Risk Analysis

Lab Project Number: 6061563

Client Project ID: NM PIT ASSESSMENTS

Lab Sample No: 605337575

Client Sample ID: 130606AUG02

Project Sample Number: 6061563-010

Matrix: Soil

Date Collected: 08/06/02 13:06

Date Received: 08/09/02 09:05

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	08/20/02 10:31	MIM			
Jet Fuel	ND	mg/kg	11.	1.1	08/20/02 10:31	MIM			
Kerosene	ND	mg/kg	11.	1.1	08/20/02 10:31	MIM			
Diesel Fuel	610	mg/kg	11.	1.1	08/20/02 10:31	MIM	68334-30-5	5	
Fuel Oil	ND	mg/kg	11.	1.1	08/20/02 10:31	MIM	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	08/20/02 10:31	MIM			
n-Tetracosane (S)	169	%		1.0	08/20/02 10:31	MIM	646-31-1	4	
p-Terphenyl (S)	128	%		1.0	08/20/02 10:31	MIM	92-94-4		
Date Extracted	08/14/02								

### Organics Prep

Percent Moisture	Method:								
Percent Moisture	6.1	%		1.0	08/15/02	JLC1			

### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	28000	ug/kg	2600	51.5	08/15/02 20:57		71-43-2		
Ethylbenzene	ND	ug/kg	2600	51.5	08/15/02 20:57		100-41-4		
Toluene	290000	ug/kg	2600	51.5	08/15/02 20:57		108-88-3		
Xylene (Total)	730000	ug/kg	6500	51.5	08/15/02 20:57		1330-20-7		
a,a,a-Trifluorotoluene (S)	974	%		1.0	08/15/02 20:57		98-08-8	8	

Comments : Elevated quantitation limits resulting from a dilution.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Lab Project Number: 6069637  
Client Project ID: NM Pits

Lab Sample No: 606002392      Project Sample Number: 6069637-021      Date Collected: 04/11/03 14:18  
Client Sample ID: 141811APR03      Matrix: Soil      Date Received: 04/18/03 11:07

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	RegLmt
------------	---------	-------	--------------	----	----------	----	---------	------	--------

#### GC Semivolatiles

Total Extractable Hydrocarbons Prep/Method: OA2 / OA2

Mineral Spirits	ND	mg/kg	10.	1.0	04/24/03 00:40	MIM			
Jet Fuel	ND	mg/kg	10.	1.0	04/24/03 00:40	MIM			
Kerosene	ND	mg/kg	10.	1.0	04/24/03 00:40	MIM			
Diesel Fuel	1100	mg/kg	10.	1.0	04/24/03 00:40	MIM	68334-30-5	1	
Fuel Oil	ND	mg/kg	10.	1.0	04/24/03 00:40	MIM	68334-30-5		
Motor Oil	ND	mg/kg	10.	1.0	04/24/03 00:40	MIM			
n-Tetracosane (S)	98	%		1.0	04/24/03 00:40	MIM	646-31-1		
p-Terphenyl (S)	62	%		1.0	04/24/03 00:40	MIM	92-94-4		
Date Extracted	04/22/03				04/22/03				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	4.3	%		1.0	04/23/03	PLH			

#### GC Volatiles

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

Benzene	ND	ug/kg	990	19.7	04/25/03 12:43		71-43-2		
Ethylbenzene	20000	ug/kg	990	19.7	04/25/03 12:43		100-41-4		
Toluene	51000	ug/kg	990	19.7	04/25/03 12:43		108-88-3		
Xylene (Total)	220000	ug/kg	2500	19.7	04/25/03 12:43		1330-20-7		
a,a,a-Trifluorotoluene (S)	86	%		1.0	04/25/03 12:43		98-08-8		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.

Lab Project Number: 6069637  
Client Project ID: NM Pits

Lab Sample No: 606002400      Project Sample Number: 6069637-022      Date Collected: 04/11/03 14:20  
Client Sample ID: 142011APR03      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 04/24/03 00:56	MIM			
Jet Fuel	ND	mg/kg	11.		1.1 04/24/03 00:56	MIM			
Kerosene	ND	mg/kg	11.		1.1 04/24/03 00:56	MIM			
Diesel Fuel	1400	mg/kg	11.		1.1 04/24/03 00:56	MIM	68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 04/24/03 00:56	MIM	68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 04/24/03 00:56	MIM			
n-Tetracosane (S)	104	%			1.0 04/24/03 00:56	MIM	646-31-1		
p-Terphenyl (S)	56	%			1.0 04/24/03 00:56	MIM	92-94-4		
Date Extracted	04/22/03				04/22/03				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	9.2	%			1.0 04/23/03	PLH			

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	55.		1.1 04/24/03 23:19		71-43-2		
Ethylbenzene	ND	ug/kg	55.		1.1 04/24/03 23:19		100-41-4		
Toluene	310	ug/kg	55.		1.1 04/24/03 23:19		108-88-3		
Xylene (Total)	4000	ug/kg	140		1.1 04/24/03 23:19		1330-20-7		
a,a,a-Trifluorotoluene (S)	79	%			1.0 04/24/03 23:19		98-08-8		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc.