

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 ☐

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

Operator: CAULKINS OIL CO Telephone: \_\_\_\_\_ e-mail address: \_\_\_\_\_  
Address: 1409 W AZTEC BLVD. AZTEC, NM 87410  
Facility or well name: BREECH D #346M API #: 30-039-23430 U/L or Qtr/Qtr I SEC 22 T 26N R 6W  
County: RIO ARRIBA Latitude 36.4693 Longitude -107.4497 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 103 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)

0

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)

0

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)

0

**Ranking Score (TOTAL POINTS):**

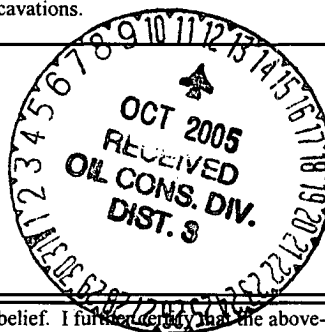
0

**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:

*Vertical Extent*

Meter: 39625



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: 9/18/05

Printed Name/Title Mark Harvey for Williams Field Services Signature Mr. 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:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature Denny Harvey

Date: OCT 12 2005

## ADDENDUM TO OCD FORM C-144

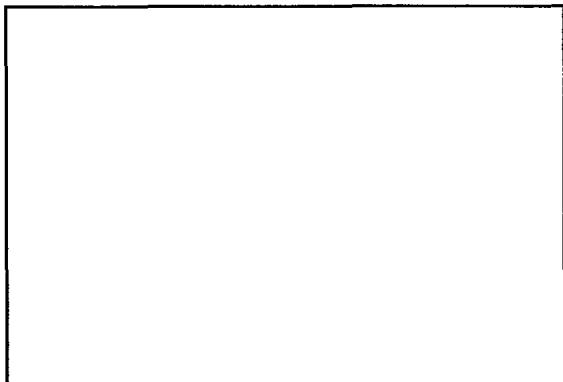
Operator: CAULKINS OIL CO

API 30-039-23430

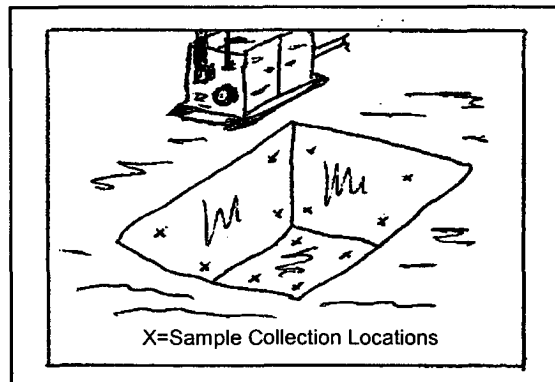
Well Name: BREECH D #346M

Meter: 39625

**Facility Diagram:**



**Sampling Diagram:**



**Pit Dimensions**

Length 17 Ft.

Width 17 Ft.

Depth 2 Ft.

**Location of Pit Center**

Latitude 36.46962

Longitude -107.44993

(NAD 1927)

**Pit ID**

396251

**Pit Type**

Unknown

**Date Closure Started:** 8/19/04

**Date Closure Completed:** 8/19/04

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

**Bedrock Encountered ?** ☐

**Cubic Yards Excavated:** 156

**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	
142019AUG04	8/19/04		2.17	0.1	280	EX Confirm	Walls	10	
142519AUG04	8/19/04		961	45	8000	EX Confirm	Flr	13	See Risk Analysis
165505JUN04	6/5/04		384	15	20000	ASSESS	Flr	3.5	

Lab Project Number: 6083363  
Client Project ID: N.M. Pits

Lab Sample No: 607186665      Project Sample Number: 6083363-010      Date Collected: 06/05/04 16:55  
Client Sample ID: 165505JUN04      Matrix: Soil      Date Received: 06/09/04 09:00

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	58.	5.8	06/12/04 05:16	DCKI			
Jet Fuel	ND	mg/kg	58.	5.8	06/12/04 05:16	DCKI			
Kerosene	ND	mg/kg	58.	5.8	06/12/04 05:16	DCKI			
Diesel Fuel	ND	mg/kg	58.	5.8	06/12/04 05:16	DCKI	68334-30-5		
Fuel Oil	ND	mg/kg	58.	5.8	06/12/04 05:16	DCKI	68334-30-5		
Motor Oil	ND	mg/kg	58.	5.8	06/12/04 05:16	DCKI			
Total Petroleum Hydrocarbons	20000	mg/kg	58.	5.8	06/12/04 05:16	DCKI		3	
n-Tetracosane (S)	2060	%		1.0	06/12/04 05:16	DCKI	646-31-1	8	
p-Terphenyl (S)	178	%		1.0	06/12/04 05:16	DCKI	92-94-4	8	
Date Extracted	06/10/04				06/10/04				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	15.7	%		1.0	06/10/04	DPB			

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	15000	ug/kg	1200	23.5	06/10/04 22:33		71-43-2		
Ethylbenzene	19000	ug/kg	1200	23.5	06/10/04 22:33		100-41-4		
Toluene	130000	ug/kg	1200	23.5	06/10/04 22:33		108-88-3		
Xylene (Total)	220000	ug/kg	3000	23.5	06/10/04 22:33		1330-20-7		
a,a,a-Trifluorotoluene (S)	110	%		1.0	06/10/04 22:33		98-08-8		

Comments : Ice melted on arrival!

## 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: 6086140  
Client Project ID: NM Pits

Lab Sample No: 607419876  
Client Sample ID: 142019AUG04

Project Sample Number: 6086140-010  
Matrix: Soil

Date Collected: 08/19/04 14:20  
Date Received: 08/26/04 08:55

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	12.	1.2	08/31/04 13:17	RMN1			
Jet Fuel	ND	mg/kg	12.	1.2	08/31/04 13:17	RMN1			
Kerosene	ND	mg/kg	12.	1.2	08/31/04 13:17	RMN1			
Diesel Fuel	ND	mg/kg	12.	1.2	08/31/04 13:17	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	08/31/04 13:17	RMN1	68334-30-5		
Motor Oil	280	mg/kg	12.	1.2	08/31/04 13:17	RMN1		5	
n-Tetracosane (S)	116	%		1.0	08/31/04 13:17	RMN1	646-31-1		
p-Terphenyl (S)	111	%		1.0	08/31/04 13:17	RMN1	92-94-4		
Date Extracted	08/30/04				08/30/04				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	16.4	%		1.0	08/27/04	DPB			

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	100	ug/kg	60.	1.2	08/30/04 14:15		71-43-2		
Ethylbenzene	110	ug/kg	60.	1.2	08/30/04 14:15		100-41-4		
Toluene	760	ug/kg	60.	1.2	08/30/04 14:15		108-88-3		
Xylene (Total)	1200	ug/kg	150	1.2	08/30/04 14:15		1330-20-7		
a,a,a-Trifluorotoluene (S)	92	%		1.0	08/30/04 14:15		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: 6086140  
Client Project ID: NM Pits

Lab Sample No: 607419868      Project Sample Number: 6086140-009      Date Collected: 08/19/04 14:25  
Client Sample ID: 142519AUG04      Matrix: Soil      Date Received: 08/26/04 08:55

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	56.	5.6	08/31/04 15:11	RMN1			
Jet Fuel	ND	mg/kg	56.	5.6	08/31/04 15:11	RMN1			
Kerosene	ND	mg/kg	56.	5.6	08/31/04 15:11	RMN1			
Diesel Fuel	ND	mg/kg	56.	5.6	08/31/04 15:11	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	56.	5.6	08/31/04 15:11	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	56.	5.6	08/31/04 15:11	RMN1			
Total Petroleum Hydrocarbons	8000	mg/kg	56.	5.6	08/31/04 15:11	RMN1		1	
n-Tetracosane (S)	109	%		1.0	08/31/04 15:11	RMN1	646-31-1		
p-Terphenyl (S)	598	%		1.0	08/31/04 15:11	RMN1	92-94-4	3	
Date Extracted	08/30/04				08/30/04				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	11.2	%		1.0	08/27/04	DPB			

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	45000	ug/kg	6900	139	08/30/04 13:47		71-43-2		
Ethylbenzene	46000	ug/kg	6900	139	08/30/04 13:47		100-41-4		
Toluene	330000	ug/kg	6900	139	08/30/04 13:47		108-88-3		
Xylene (Total)	540000	ug/kg	18000	139	08/30/04 13:47		1330-20-7		
a,a,a-Trifluorotoluene (S)	93	%		1.0	08/30/04 13:47		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.