

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: <u>CAULKINS OIL CO</u>		Telephone:	e-mail address:	
Address: <u>1409 W AZTEC BLVD AZTEC, NM 87410</u>				
Facility or well name: <u>BREECH D #341</u>	API #: <u>30-039-82262</u>	U/L or Qtr/Qtr	<u>B</u>	SEC <u>21</u> T <u>26N</u> R <u>6W</u>
County: <u>RIO ARRIBA</u>	Latitude <u>36.47652</u>	Longitude <u>-107.46989</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 51 bbl		<b>Below-grade tank</b> Volume: bbl Type of fluid: Construction Material: Double-walled, with leak detection? Yes <input checked="" 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 50 feet or more, but less than 100 feet 100 feet or more		(20 points) (10 points) <u>0</u> (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 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) <u>0</u> (0 points)
		<b>Ranking Score (TOTAL POINTS):</b>		<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>Bedrock</i>	Meter: <u>32834</u>
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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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input checked="" type="checkbox"/>		
Date: <u>9/28/05</u>	Signature <u>Mark Harvey</u> for WFS	
Printed Name/Title <u>Mark Harvey for Williams Field Services</u>	Signature <u>Denny Farn</u>	
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 <u>DEPUTY OIL &amp; GAS INSPECTOR, DIST. 8</u>	Signature <u>Denny Farn</u>	Date: <u>OCT 12 2005</u>

# ADDENDUM TO OCD FORM C-144

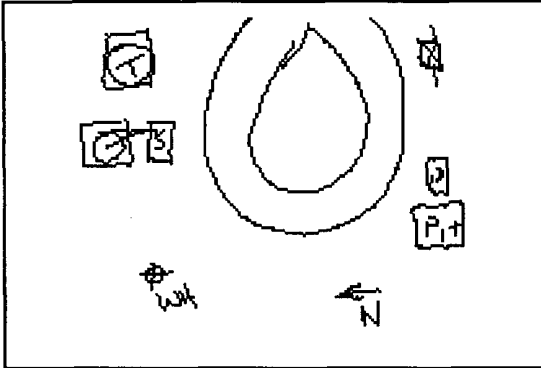
Operator: CAULKINS OIL CO

API 30-039-82262

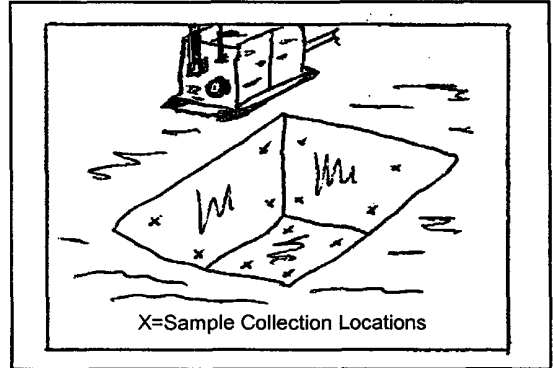
Well Name: BREECH D #341

Meter: 32834

Facility Diagram:



Sampling Diagram:



**Pit Dimensions**

Length 12 Ft.  
Width 12 Ft.  
Depth 2 Ft.

**Location of Pit Center**

Latitude 36.47632  
Longitude -107.46986  
(NAD 1927)

**Pit ID**

328341

**Pit Type**

Glycol Dehydrator

Date Closure Started: 8/17/04

Date Closure Completed: 8/17/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 21

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	
111417AUG04	8/17/04		52.9	0	6800	EX Confirm	Walls	3	See Risk Analysis
111717AUG04	8/17/04		204.3	2.3	5100	EX Confirm	Flr	4	See Risk Analysis

Lab Project Number: 6086140  
Client Project ID: NM Pits

Lab Sample No: 607420163      Project Sample Number: 6086140-021      Date Collected: 08/17/04 11:14  
Client Sample ID: 111417AUG04      Matrix: Soil      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	21.	2.1	08/31/04 12:18	RMN1			
Jet Fuel	ND	mg/kg	21.	2.1	08/31/04 12:18	RMN1			
Kerosene	ND	mg/kg	21.	2.1	08/31/04 12:18	RMN1			
Diesel Fuel	ND	mg/kg	21.	2.1	08/31/04 12:18	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	21.	2.1	08/31/04 12:18	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	21.	2.1	08/31/04 12:18	RMN1			
Total Petroleum Hydrocarbons	6800	mg/kg	21.	2.1	08/31/04 12:18	RMN1		1	
n-Tetracosane (S)	612	%		1.0	08/31/04 12:18	RMN1	646-31-1	3	
p-Terphenyl (S)	95	%		1.0	08/31/04 12:18	RMN1	92-94-4		
Date Extracted	08/27/04				08/27/04				

#### Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	6.7	%		1.0	08/27/04	DPB			

#### GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	210	4.3	08/30/04 10:50	ARF	71-43-2		
Ethylbenzene	1900	ug/kg	210	4.3	08/30/04 10:50	ARF	100-41-4		
Toluene	13000	ug/kg	210	4.3	08/30/04 10:50	ARF	108-88-3		
Xylene (Total)	38000	ug/kg	560	4.3	08/30/04 10:50	ARF	1330-20-7		
a,a,a-Trifluorotoluene (S)	102	%		1.0	08/30/04 10:50	ARF	98-08-8		

## REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6086140  
Client Project ID: NM Pits

Lab Sample No: 607420262 Project Sample Number: 6086140-030 Date Collected: 08/17/04 11:17  
Client Sample ID: 111717AUG04 Matrix: Soil 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	11.	1.1	08/30/04 14:55	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	08/30/04 14:55	RMN1			
Kerosene	ND	mg/kg	11.	1.1	08/30/04 14:55	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	08/30/04 14:55	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	08/30/04 14:55	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	08/30/04 14:55	RMN1			
Total Petroleum Hydrocarbons	5100	mg/kg	11.	1.1	08/30/04 14:55	RMN1		1	
n-Tetracosane (S)	367	%		1.0	08/30/04 14:55	RMN1	646-31-1	3	
p-Terphenyl (S)	96	%		1.0	08/30/04 14:55	RMN1	92-94-4		
Date Extracted	08/27/04				08/27/04				

#### Organics Prep

Percent Moisture Method: SM 2540G  
Percent Moisture 8.2 % 1.0 08/27/04 DPB

#### GC Volatiles

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

Benzene	2300	ug/kg	540	10.9	08/30/04 11:49	ARF	71-43-2
Ethylbenzene	12000	ug/kg	540	10.9	08/30/04 11:49	ARF	100-41-4
Toluene	60000	ug/kg	540	10.9	08/30/04 11:49	ARF	108-88-3
Xylene (Total)	130000	ug/kg	1400	10.9	08/30/04 11:49	ARF	1330-20-7
a,a,a-Trifluorotoluene (S)	107	%		1.0	08/30/04 11:49	ARF	98-08-8

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