

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: CAULKINS OIL CO Telephone: _____ e-mail address: _____
Address: 1409 W AZTEC BLVD AZTEC, NM 87410
Facility or well name: BREECH D #341M API #: 30-039-23234 U/L or Qtr/Qtr E SEC 21 T 26N R 6W
County: RIO ARRIBA Latitude 36.47449 Longitude -107.47653 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 87 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

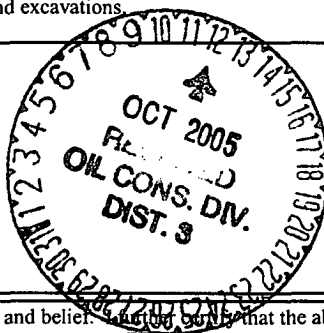
Ranking Score (TOTAL POINTS):

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 _____. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

Bedrock



Meter: 39517

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I am not aware 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 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: DEPUTY OIL & GAS INSPECTOR, DIST. #3

Printed Name/Title _____ Signature Wendy Taylor

Date: OCT 12 2005

ADDENDUM TO OCD FORM C-144

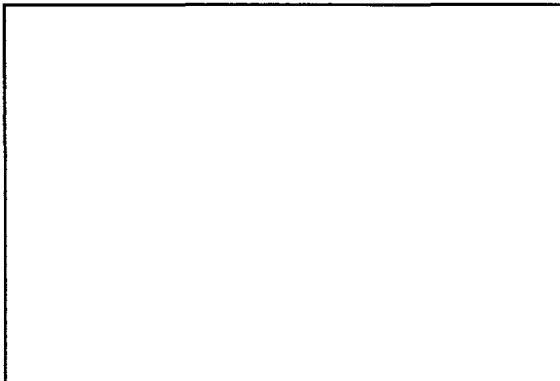
Operator: CAULKINS OIL CO

API 30-039-23234

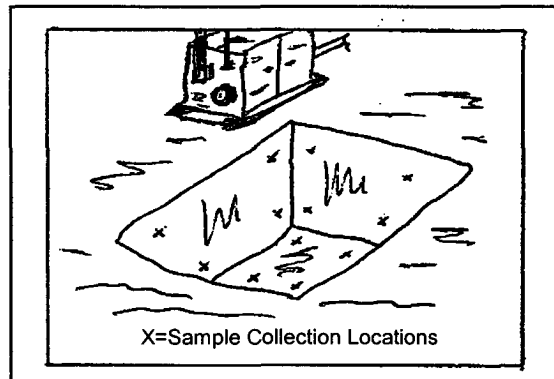
Well Name: BREECH D #341M

Meter: 39517

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 14 Ft.

Width 14 Ft.

Depth 2.5 Ft.

Location of Pit Center

Latitude 36.47465

Longitude -107.47646

(NAD 1927)

Pit ID

395171

Pit Type

Other

Date Closure Started: 8/17/04

Date Closure Completed: 8/17/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 58

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	
132017AUG04	8/17/04		3.71	0	2000	EX Confirm	Walls	7	
133017AUG04	8/17/04		315.3	2.3	4200	EX Confirm	Flr	8	See Risk Analysis
150705JUN04	6/5/04		302	19	56000	ASSESS	Flr	3.5	

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

Lab Sample No: 607186681 Project Sample Number: 6083363-012 Date Collected: 06/05/04 15:07
Client Sample ID: 150705JUN04 Matrix: Soil Date Received: 06/09/04 09:00

Parameters	Results	Units	Report Limit	DF	Analyzed	By	CAS No.	Qual	ReqLmt
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GC Semivolatiles

Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	280	28.2	06/14/04 13:47	DCKI			
Jet Fuel	ND	mg/kg	280	28.2	06/14/04 13:47	DCKI			
Kerosene	ND	mg/kg	280	28.2	06/14/04 13:47	DCKI			
Diesel Fuel	ND	mg/kg	280	28.2	06/14/04 13:47	DCKI	68334-30-5		
Fuel Oil	ND	mg/kg	280	28.2	06/14/04 13:47	DCKI	68334-30-5		
Motor Oil	ND	mg/kg	280	28.2	06/14/04 13:47	DCKI			
Total Petroleum Hydrocarbons	56000	mg/kg	280	28.2	06/14/04 13:47	DCKI		3	
n-Tetracosane (S)	0	%		1.0	06/14/04 13:47	DCKI	646-31-1	9	
p-Terphenyl (S)	0	%		1.0	06/14/04 13:47	DCKI	92-94-4	9	
Date Extracted	06/10/04				06/10/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	29.8	%		1.0	06/10/04	DPB			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	19000	ug/kg	1600	31.9	06/10/04 23:32		71-43-2		
Ethylbenzene	13000	ug/kg	1600	31.9	06/10/04 23:32		100-41-4		
Toluene	110000	ug/kg	1600	31.9	06/10/04 23:32		108-88-3		
Xylene (Total)	160000	ug/kg	4000	31.9	06/10/04 23:32		1330-20-7		
a,a,a-Trifluorotoluene (S)	115	%		1.0	06/10/04 23:32		98-08-8	5	

Comments : Ice melted on arrival!

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6086140
Client Project ID: NM Pits

Lab Sample No: 607420254 Project Sample Number: 6086140-029 Date Collected: 08/17/04 13:30
Client Sample ID: 133017AUG04 Matrix: Soil Date Received: 08/26/04 08:55

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

Total Extractable Hydrocarbons Prep/Method: OA2 / OA2

Mineral Spirits	ND	mg/kg	12.	1.2	08/30/04 14:38	RMN1			
Jet Fuel	ND	mg/kg	12.	1.2	08/30/04 14:38	RMN1			
Kerosene	ND	mg/kg	12.	1.2	08/30/04 14:38	RMN1			
Diesel Fuel	ND	mg/kg	12.	1.2	08/30/04 14:38	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	08/30/04 14:38	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	12.	1.2	08/30/04 14:38	RMN1			
Total Petroleum Hydrocarbons	4200	mg/kg	12.	1.2	08/30/04 14:38	RMN1		1	
n-Tetracosane (S)	256	%		1.0	08/30/04 14:38	RMN1	646-31-1	3	
p-Terphenyl (S)	92	%		1.0	08/30/04 14:38	RMN1	92-94-4		
Date Extracted	08/27/04				08/27/04				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 14.0 % 1.0 08/27/04 DPB

GC Volatiles

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

Benzene	2300	ug/kg	580	11.6	08/30/04 11:20	ARF	71-43-2		
Ethylbenzene	23000	ug/kg	580	11.6	08/30/04 11:20	ARF	100-41-4		
Toluene	110000	ug/kg	580	11.6	08/30/04 11:20	ARF	108-88-3		
Xylene (Total)	180000	ug/kg	1500	11.6	08/30/04 11:20	ARF	1330-20-7		
a,a,a-Trifluorotoluene (S)	122	%		1.0	08/30/04 11:20	ARF	98-08-8	2	

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6086140
Client Project ID: NM Pits

Lab Sample No: 607420189 Project Sample Number: 6086140-022 Date Collected: 08/17/04 13:20
Client Sample ID: 132017AUG04 Matrix: Soil Date Received: 08/26/04 08:55

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

Total Extractable Hydrocarbons	Prep/Method: OA2 / OA2								
Mineral Spirits	ND	mg/kg	12.	1.2	08/30/04 14:20	RMN1			
Jet Fuel	ND	mg/kg	12.	1.2	08/30/04 14:20	RMN1			
Kerosene	ND	mg/kg	12.	1.2	08/30/04 14:20	RMN1			
Diesel Fuel	ND	mg/kg	12.	1.2	08/30/04 14:20	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	08/30/04 14:20	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	12.	1.2	08/30/04 14:20	RMN1			
Total Petroleum Hydrocarbons	2000	mg/kg	12.	1.2	08/30/04 14:20	RMN1		1	
n-Tetracosane (S)	168	%		1.0	08/30/04 14:20	RMN1	646-31-1	3	
p-Terphenyl (S)	86	%		1.0	08/30/04 14:20	RMN1	92-94-4		
Date Extracted	08/27/04				08/27/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	17.4	%		1.0	08/27/04	DPB			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	60.	1.2	08/27/04 15:08	ARF	71-43-2		
Ethylbenzene	500	ug/kg	60.	1.2	08/27/04 15:08	ARF	100-41-4		
Toluene	410	ug/kg	60.	1.2	08/27/04 15:08	ARF	108-88-3		
Xylene (Total)	2800	ug/kg	160	1.2	08/27/04 15:08	ARF	1330-20-7		
a,a,a-Trifluorotoluene (S)	96	%		1.0	08/27/04 15:08	ARF	98-08-8		

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