

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 A #229M

API #: 30-039-23141

U/L or Qtr/Qtr A SEC 17 T 26N R 6W

County: RIO ARRIBA

Latitude 36.49157

Longitude -107.48507

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 80 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

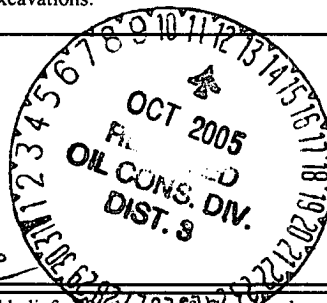
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility . (3) Attach a general description of remedial 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:

Meter: 39521

Determine Vertical extent?

Outside



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. 4

Signature

Denny Fout

Date:

OCT 12 2005

ADDENDUM TO OCD FORM C-144

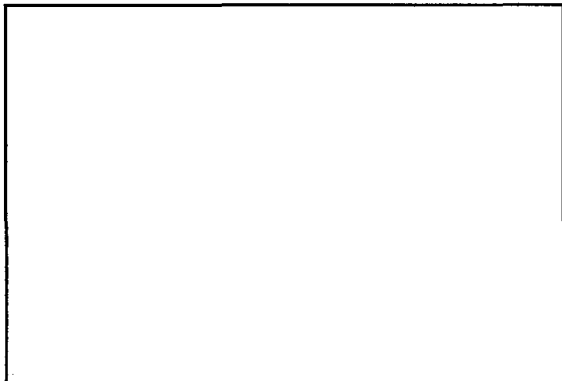
Operator: CAULKINS OIL CO

API 30-039-23141

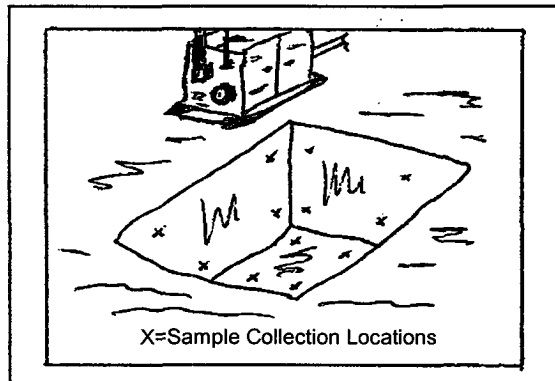
Well Name: BREECH A #229M

Meter: 39521

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 15 Ft.

Width 15 Ft.

Depth 2 Ft.

Location of Pit Center

Latitude 36.49152

Longitude -107.48542

(NAD 1927)

Pit ID

395211

Pit Type

Other

Date Closure Started: 8/23/04

Date Closure Completed: 8/23/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☐

Cubic Yards Excavated: 108

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	
105923AUG04	8/23/04		0.36	0	160	EX Confirm	Walls	9	
111423AUG04	8/23/04		893	39	1600	EX Confirm	Flr	13	See Risk Analysis
140305JUN04	6/5/04		949	31	3200	ASSESS	Flr	3.5	

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

Lab Sample No: 607186673 Project Sample Number: 6083363-011 Date Collected: 06/05/04 14:03
Client Sample ID: 140305JUN04 Matrix: Soil Date Received: 06/09/04 09:00

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	23.	2.3	06/14/04 13:12	DCKI			
Jet Fuel	ND	mg/kg	23.	2.3	06/14/04 13:12	DCKI			
Kerosene	ND	mg/kg	23.	2.3	06/14/04 13:12	DCKI			
Diesel Fuel	ND	mg/kg	23.	2.3	06/14/04 13:12	DCKI	68334-30-5		
Fuel Oil	ND	mg/kg	23.	2.3	06/14/04 13:12	DCKI	68334-30-5		
Motor Oil	ND	mg/kg	23.	2.3	06/14/04 13:12	DCKI			
Total Petroleum Hydrocarbons	3200	mg/kg	23.	2.3	06/14/04 13:12	DCKI		3	
n-Tetracosane (S)	344	%		1.0	06/14/04 13:12	DCKI	646-31-1	4	
p-Terphenyl (S)	129	%		1.0	06/14/04 13:12	DCKI	92-94-4		
Date Extracted	06/10/04				06/10/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	15.6	%		1.0	06/10/04	DPB			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	31000	ug/kg	4500	90.1	06/12/04 08:53		71-43-2		
Ethylbenzene	38000	ug/kg	4500	90.1	06/12/04 08:53		100-41-4		
Toluene	370000	ug/kg	4500	90.1	06/12/04 08:53		108-88-3		
Xylene (Total)	510000	ug/kg	11000	90.1	06/12/04 08:53		1330-20-7		
a,a,a-Trifluorotoluene (S)	113	%		1.0	06/12/04 08:53		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: 607420320
Client Sample ID: 105923AUG04

Project Sample Number: 6086140-036
Matrix: Soil

Date Collected: 08/23/04 10:59
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	11.	1.1	08/31/04 13:46	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	08/31/04 13:46	RMN1			
Kerosene	ND	mg/kg	11.	1.1	08/31/04 13:46	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	08/31/04 13:46	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	08/31/04 13:46	RMN1	68334-30-5		
Motor Oil	160	mg/kg	11.	1.1	08/31/04 13:46	RMN1			
n-Tetracosane (S)	118	%		1.0	08/31/04 13:46	RMN1	646-31-1		
p-Terphenyl (S)	102	%		1.0	08/31/04 13:46	RMN1	92-94-4		
Date Extracted	08/30/04				08/30/04				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 7.1 % 1.0 08/27/04 DPB

GC Volatiles

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

Benzene	ND	ug/kg	54.	1.1	08/30/04 20:43		71-43-2		
Ethylbenzene	ND	ug/kg	54.	1.1	08/30/04 20:43		100-41-4		
Toluene	160	ug/kg	54.	1.1	08/30/04 20:43		108-88-3		
Xylene (Total)	200	ug/kg	140	1.1	08/30/04 20:43		1330-20-7		
a,a,a-Trifluorotoluene (S)	91	%		1.0	08/30/04 20:43		98-08-8		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6086140
Client Project ID: NM Pits

Lab Sample No: 607420312 Project Sample Number: 6086140-035 Date Collected: 08/23/04 11:14
Client Sample ID: 111423AUG04 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	11.	1.1	08/31/04 02:41	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	08/31/04 02:41	RMN1			
Kerosene	ND	mg/kg	11.	1.1	08/31/04 02:41	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	08/31/04 02:41	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	08/31/04 02:41	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	08/31/04 02:41	RMN1			
Total Petroleum Hydrocarbons	1600	mg/kg	11.	1.1	08/31/04 02:41	RMN1		1	
n-Tetracosane (S)	118	%		1.0	08/31/04 02:41	RMN1	646-31-1		
p-Terphenyl (S)	204	%		1.0	08/31/04 02:41	RMN1	92-94-4	3	
Date Extracted	08/30/04				08/30/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	6.8	%		1.0	08/27/04	DPB			

GC Volatiles

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

Benzene	39000	ug/kg	4000	80.7	08/30/04 20:15		71-43-2		
Ethylbenzene	34000	ug/kg	4000	80.7	08/30/04 20:15		100-41-4		
Toluene	390000	ug/kg	4000	80.7	08/30/04 20:15		108-88-3		
Xylene (Total)	430000	ug/kg	10000	80.7	08/30/04 20:15		1330-20-7		
a,a,a-Trifluorotoluene (S)	113	%		1.0	08/30/04 20:15		98-08-8	2	

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