

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 E #051 API #: 30-039-21207 U/L or Qtr/Qtr D SEC 4 T 26N R 6W
County: RIO ARriba Latitude 36.5207 Longitude -107.47839 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 _____ 60 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):

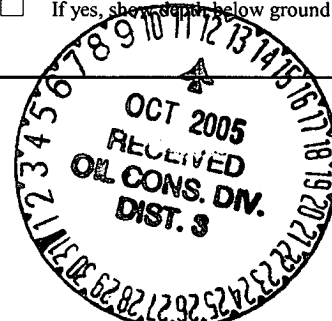
0

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?

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. Zing, 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 Zant

OCT 12 2005

Date:

ADDENDUM TO OCD FORM C-144

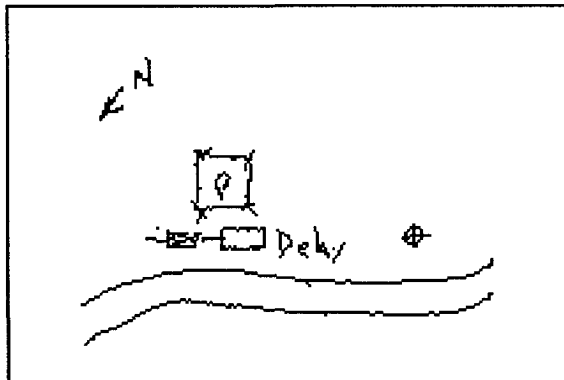
Operator: CAULKINS OIL CO

API 30-039-21207

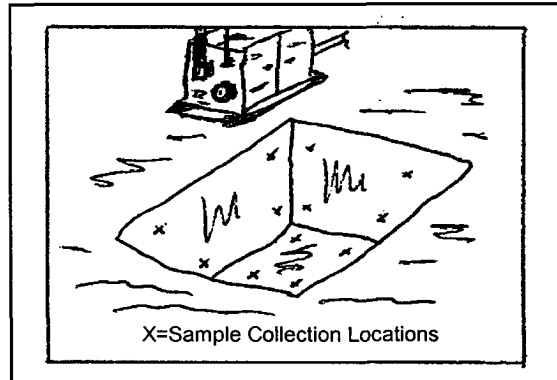
Well Name: BREECH E #051

Meter: 33163

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 15 Ft.

Width 15 Ft.

Depth 1.5 Ft.

Location of Pit Center

Latitude 36.52062

Longitude -107.47812

(NAD 1927)

Pit ID

331631

Pit Type

Glycol Dehydrator

Date Closure Started: 8/27/04

Date Closure Completed: 8/27/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☐

Cubic Yards Excavated: 114

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	
125521MAY04	5/21/04		1159	89	1900	ASSESS	Flr	3.5	
131527AUG04	8/27/04		0.37	0	0	EX Confirm	Walls	12	
132027AUG04	8/27/04		124	0	2300	EX Confirm	Flr	12	See Risk Analysis

Lab Project Number: 6086460
Client Project ID: NM Pits

Lab Sample No: 607447570 Project Sample Number: 6086460-014 Date Collected: 08/27/04 01:20
Client Sample ID: 132027AUG04 Matrix: Soil Date Received: 09/03/04 09:10

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	09/09/04 03:59	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	09/09/04 03:59	RMN1			
Kerosene	ND	mg/kg	11.	1.1	09/09/04 03:59	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	09/09/04 03:59	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	09/09/04 03:59	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	09/09/04 03:59	RMN1			
Total Petroleum Hydrocarbons	2300	mg/kg	11.	1.1	09/09/04 03:59	RMN1		5	
n-Tetracosane (S)	102	%		1.0	09/09/04 03:59	RMN1	646-31-1		
p-Terphenyl (S)	119	%		1.0	09/09/04 03:59	RMN1	92-94-4		
Date Extracted	09/07/04				09/07/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	11.9	%		1.0	09/07/04	JLC1			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	2800	56.2	09/07/04 22:46		71-43-2		
Ethylbenzene	10000	ug/kg	2800	56.2	09/07/04 22:46		100-41-4		
Toluene	14000	ug/kg	2800	56.2	09/07/04 22:46		108-88-3		
Xylene (Total)	100000	ug/kg	7300	56.2	09/07/04 22:46		1330-20-7		
a,a,a-Trifluorotoluene (S)	92	%		1.0	09/07/04 22:46		98-08-8		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6086460
Client Project ID: NM Pits

Lab Sample No: 607447588 Project Sample Number: 6086460-015 Date Collected: 08/27/04 01:15
Client Sample ID: 131527AUG04 Matrix: Soil Date Received: 09/03/04 09:10

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	09/09/04 04:28	RMN1			
Jet Fuel	ND	mg/kg	12.	1.2	09/09/04 04:28	RMN1			
Kerosene	ND	mg/kg	12.	1.2	09/09/04 04:28	RMN1			
Diesel Fuel	ND	mg/kg	12.	1.2	09/09/04 04:28	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	09/09/04 04:28	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	12.	1.2	09/09/04 04:28	RMN1			
n-Tetracosane (S)	102	%		1.0	09/09/04 04:28	RMN1	646-31-1		
p-Terphenyl (S)	115	%		1.0	09/09/04 04:28	RMN1	92-94-4		
Date Extracted	09/07/04				09/07/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	14.2	%		1.0	09/07/04	JLC1			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	57.	1.1	09/07/04 23:15		71-43-2		
Ethylbenzene	ND	ug/kg	57.	1.1	09/07/04 23:15		100-41-4		
Toluene	ND	ug/kg	57.	1.1	09/07/04 23:15		108-88-3		
Xylene (Total)	370	ug/kg	150	1.1	09/07/04 23:15		1330-20-7		
a,a,a-Trifluorotoluene (S)	104	%		1.0	09/07/04 23:15		98-08-8		

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Lab Project Number: 6082900
Client Project ID: NM PITS

Lab Sample No: 607145679 Project Sample Number: 6082900-010 Date Collected: 05/21/04 12:55
Client Sample ID: 125521MAY04 Matrix: Soil Date Received: 05/26/04 09:25

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	06/01/04 19:41	RMN1			
Jet Fuel	ND	mg/kg	12.	1.2	06/01/04 19:41	RMN1			
Kerosene	ND	mg/kg	12.	1.2	06/01/04 19:41	RMN1			
Diesel Fuel	ND	mg/kg	12.	1.2	06/01/04 19:41	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	06/01/04 19:41	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	12.	1.2	06/01/04 19:41	RMN1			
Total Petroleum Hydrocarbons	1900	mg/kg	12.	1.2	06/01/04 19:41	RMN1		1	
n-Tetracosane (S)	115	%		1.0	06/01/04 19:41	RMN1	646-31-1		
p-Terphenyl (S)	110	%		1.0	06/01/04 19:41	RMN1	92-94-4		
Date Extracted	06/01/04				06/01/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	16.1	%		1.0	05/27/04	DPB			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	89000	ug/kg	15000	295	05/28/04 10:37	ARF	71-43-2		
Ethylbenzene	100000	ug/kg	15000	295	05/28/04 10:37	ARF	100-41-4		
Toluene	ND	ug/kg	15000	295	05/28/04 10:37	ARF	108-88-3		
Xylene (Total)	970000	ug/kg	37000	295	05/28/04 10:37	ARF	1330-20-7		
a,a,a-Trifluorotoluene (S)	0	%		1.0	05/28/04 10:37	ARF	98-08-8	2	

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