

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 ☐

(WFS CLOSURE)

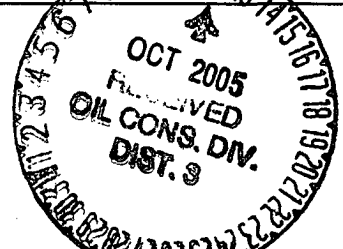
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: CAULKINS OIL CO Telephone: _____ e-mail address: _____
Address: 1409 W AZTEC BLVD AZTEC, NM 87410
Facility or well name: BREECH #352 API #: 30-039-21101 U/L or Qtr/Qtr E SEC 24 T 26N R 7W
County: RIO ARRIBA Latitude 36 28.443 N Longitude 107 31.876 W NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit 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 _____ 60 bbl	Below-grade tank Volume: _____ bbl Type of fluid: _____ Construction Material: _____ Double-walled, with leak detection? Yes <input 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 (20 points) 50 feet or more, but less than 100 feet (10 points) 100 feet or more (0 points)	<u>0</u>
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes (20 points) No (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 (20 points) 200 feet to 1,000 feet (10 points) Greater than 1,000 feet (0 points)	<u>0</u>
Ranking Score (TOTAL POINTS):		<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 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. Zung, 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: DEPUTY OIL & GAS INSPECTOR, DIST. 9 Signature Denny Zant Date: OCT 12 2005

ADDENDUM TO OCD FORM C-144

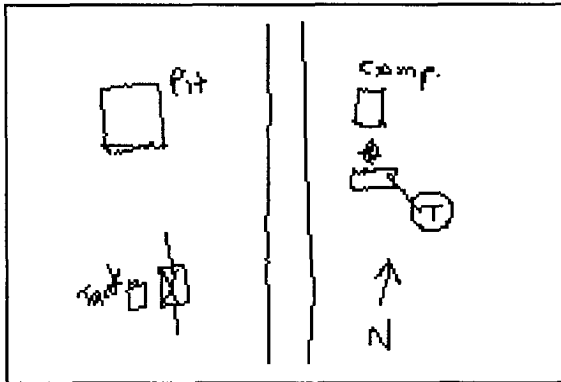
Operator: CAULKINS OIL CO

API 30-039-21101

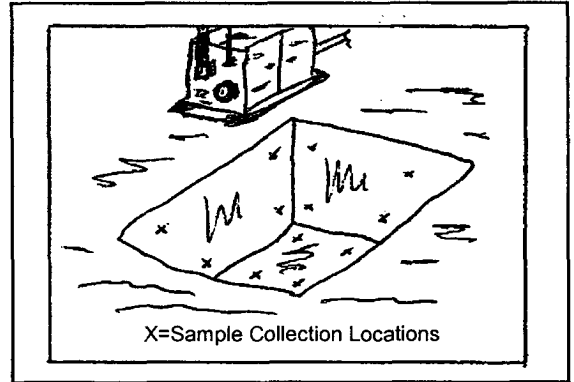
Well Name: BREECH #352

Meter: 33112

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 15 Ft.

Width 15 Ft.

Depth 1.5 Ft.

Location of Pit Center

Latitude 36 28.435 N

Longitude 07 31.882 W

(NAD 1927)

Pit ID

331121

Pit Type

Unknown

Date Closure Started: 9/13/04

Date Closure Completed: 9/13/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 44

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
101408SEP04	9/8/04		395	0	2900	ASSESS	Flr	3.5
135513SEP04	9/13/04	102	0.51	0	0	EX Confirm	Walls	4
140513SEP04	9/13/04	430	1.75	0	500	EX Confirm	Flr	6

See Risk Analysis

See Risk Analysis

Lab Project Number: 6086618
Client Project ID: N.M. Pits

Lab Sample No: 607462942 Project Sample Number: 6086618-019 Date Collected: 09/08/04 10:14
Client Sample ID: 101408SEP04 Matrix: Soil Date Received: 09/09/04 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	13.	1.3	09/14/04 19:15	RMN1			
Jet Fuel	ND	mg/kg	13.	1.3	09/14/04 19:15	RMN1			
Kerosene	ND	mg/kg	13.	1.3	09/14/04 19:15	RMN1			
Diesel Fuel	ND	mg/kg	13.	1.3	09/14/04 19:15	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	13.	1.3	09/14/04 19:15	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	13.	1.3	09/14/04 19:15	RMN1			
Total Petroleum Hydrocarbons	2900	mg/kg	13.	1.3	09/14/04 19:15	RMN1		8	
n-Tetracosane (S)	94	%		1.0	09/14/04 19:15	RMN1	646-31-1		
p-Terphenyl (S)	104	%		1.0	09/14/04 19:15	RMN1	92-94-4		
Date Extracted	09/13/04				09/13/04				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 23.5 % 1.0 09/13/04 DPB

GC Volatiles

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

Benzene	ND	ug/kg	13000	254	09/14/04 10:13		71-43-2
Ethylbenzene	25000	ug/kg	13000	254	09/14/04 10:13		100-41-4
Toluene	110000	ug/kg	13000	254	09/14/04 10:13		108-88-3
Xylene (Total)	260000	ug/kg	33000	254	09/14/04 10:13		1330-20-7
a,a,a-Trifluorotoluene (S)	109	%		1.0	09/14/04 10:13		98-08-8

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6087028
Client Project ID: N.M Pits

Lab Sample No: 607496528 Project Sample Number: 6087028-019 Date Collected: 09/13/04 13:55
Client Sample ID: 135513SEP04 Matrix: Soil Date Received: 09/21/04 08:50

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	11.		1.1 09/24/04 05:00	EMA			
Jet Fuel	ND	mg/kg	11.		1.1 09/24/04 05:00	EMA			
Kerosene	ND	mg/kg	11.		1.1 09/24/04 05:00	EMA			
Diesel Fuel	ND	mg/kg	11.		1.1 09/24/04 05:00	EMA	68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 09/24/04 05:00	EMA	68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 09/24/04 05:00	EMA			
n-Tetracosane (S)	89	%			1.0 09/24/04 05:00	EMA	646-31-1		
p-Terphenyl (S)	99	%			1.0 09/24/04 05:00	EMA	92-94-4		
Date Extracted	09/23/04				09/23/04				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 10.7 % 1.0 09/24/04 ALJ1

GC Volatiles

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

Benzene	ND	ug/kg	56.		1.1 09/23/04 11:33	SHF	71-43-2
Ethylbenzene	ND	ug/kg	56.		1.1 09/23/04 11:33	SHF	100-41-4
Toluene	ND	ug/kg	56.		1.1 09/23/04 11:33	SHF	108-88-3
Xylene (Total)	510	ug/kg	150		1.1 09/23/04 11:33	SHF	1330-20-7
a,a,a-Trifluorotoluene (S)	88	%			1.0 09/23/04 11:33	SHF	98-08-8

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6087028
Client Project ID: N.M Pits

Lab Sample No: 607496536 Project Sample Number: 6087028-020 Date Collected: 09/13/04 14:05
Client Sample ID: 140513SEP04 Matrix: Soil Date Received: 09/21/04 08:50

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 09/27/04 16:37 RMN1				
Jet Fuel	ND	mg/kg	11.		1.1 09/27/04 16:37 RMN1				
Kerosene	ND	mg/kg	11.		1.1 09/27/04 16:37 RMN1				
Diesel Fuel	ND	mg/kg	11.		1.1 09/27/04 16:37 RMN1 68334-30-5				
Fuel Oil	ND	mg/kg	11.		1.1 09/27/04 16:37 RMN1 68334-30-5				
Motor Oil	ND	mg/kg	11.		1.1 09/27/04 16:37 RMN1				
Total Petroleum Hydrocarbons	500	mg/kg	11.		1.1 09/27/04 16:37 RMN1			6	
n-Tetracosane (S)	88	%			1.0 09/27/04 16:37 RMN1 646-31-1				
p-Terphenyl (S)	92	%			1.0 09/27/04 16:37 RMN1 92-94-4				
Date Extracted	09/23/04				09/23/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	9.7	%			1.0 09/24/04	ALJ1			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	110		2.2 09/22/04 18:41 SHF 71-43-2				
Ethylbenzene	210	ug/kg	110		2.2 09/22/04 18:41 SHF 100-41-4				
Toluene	240	ug/kg	110		2.2 09/22/04 18:41 SHF 108-88-3				
Xylene (Total)	1300	ug/kg	290		2.2 09/22/04 18:41 SHF 1330-20-7				
a,a,a-Trifluorotoluene (S)	66	%			1.0 09/22/04 18:41 SHF 98-08-8			4,5	

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