

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 #332 API #: 30-039-21210 U/L or Qtr/Qtr A SEC 23 T 26N R 7W
County: RIO ARriba Latitude 36 28.585 N Longitude 107 32.425 W 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 36 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

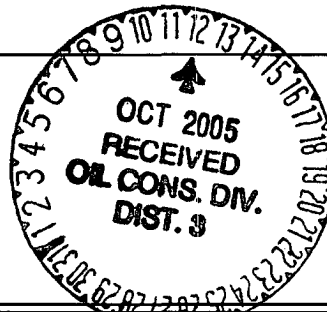
Ranking Score (TOTAL POINTS):

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:

Bedrock



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 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:

Printed Name/Title

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Signature

Denny Farnley

OCT 12 2005

ADDENDUM TO OCD FORM C-144

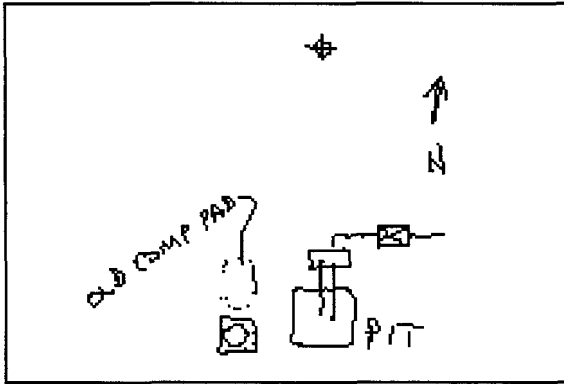
Operator: CAULKINS OIL CO

API 30-039-21210

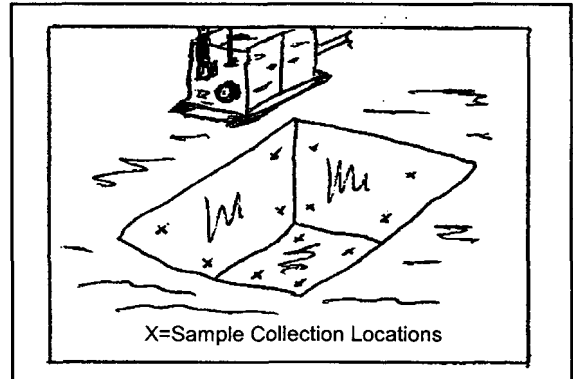
Well Name: BREECH #332

Meter: 33158

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 10 Ft.

Width 10 Ft.

Depth 2 Ft.

Location of Pit Center

Latitude 36 28.571 N

Longitude 07 32.421 W

(NAD 1927)

Pit ID

331581

Pit Type

Glycol Dehydrator

Date Closure Started: 9/13/04

Date Closure Completed: 9/13/04

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	
103208SEP04	9/8/04		618	0	1400	ASSESS	Flr	2	
121513SEP04	9/13/04	10	0.14	0	0	EX Confirm	Walls	3	
122013SEP04	9/13/04	219	10.63	0	180	EX Confirm	Flr	4	See Risk Analysis

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

Lab Sample No: 607462934 Project Sample Number: 6086618-018 Date Collected: 09/08/04 10:32
Client Sample ID: 103208SEP04 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	11.		1.1 09/14/04 18:57 RMN1				
Jet Fuel	ND	mg/kg	11.		1.1 09/14/04 18:57 RMN1				
Kerosene	ND	mg/kg	11.		1.1 09/14/04 18:57 RMN1				
Diesel Fuel	ND	mg/kg	11.		1.1 09/14/04 18:57 RMN1		68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 09/14/04 18:57 RMN1		68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 09/14/04 18:57 RMN1				
Total Petroleum Hydrocarbons	1400	mg/kg	11.		1.1 09/14/04 18:57 RMN1			8	
n-Tetracosane (S)	98	%			1.0 09/14/04 18:57 RMN1		646-31-1		
p-Terphenyl (S)	110	%			1.0 09/14/04 18:57 RMN1		92-94-4		
Date Extracted	09/13/04				09/13/04				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	12.9	%			1.0 09/13/04		DPB		

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	11000	221	09/14/04 09:45		71-43-2		
Ethylbenzene	48000	ug/kg	11000	221	09/14/04 09:45		100-41-4		
Toluene	150000	ug/kg	11000	221	09/14/04 09:45		108-88-3		
Xylene (Total)	420000	ug/kg	29000	221	09/14/04 09:45		1330-20-7		
a,a,a-Trifluorotoluene (S)	102	%			1.0 09/14/04 09:45		98-08-8		

REPORT OF LABORATORY ANALYSIS

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

Lab Sample No: 607496486
Client Sample ID: 122013SEP04

Project Sample Number: 6087028-015
Matrix: Soil

Date Collected: 09/13/04 12:20
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	09/24/04 05:35	EMA			
Jet Fuel	ND	mg/kg	11.	1.1	09/24/04 05:35	EMA			
Kerosene	ND	mg/kg	11.	1.1	09/24/04 05:35	EMA			
Diesel Fuel	ND	mg/kg	11.	1.1	09/24/04 05:35	EMA	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	09/24/04 05:35	EMA	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	09/24/04 05:35	EMA			
Total Petroleum Hydrocarbons	180	mg/kg	11.	1.1	09/24/04 05:35	EMA			6
n-Tetracosane (S)	96	%		1.0	09/24/04 05:35	EMA	646-31-1		
p-Terphenyl (S)	112	%		1.0	09/24/04 05:35	EMA	92-94-4		
Date Extracted	09/23/04				09/23/04				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 9.5 % 1.0 09/24/04 ALJ1

GC Volatiles

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

Benzene	ND	ug/kg	540	10.8	09/23/04 13:54	SHF	71-43-2		
Ethylbenzene	820	ug/kg	540	10.8	09/23/04 13:54	SHF	100-41-4		
Toluene	810	ug/kg	540	10.8	09/23/04 13:54	SHF	108-88-3		
Xylene (Total)	9000	ug/kg	1400	10.8	09/23/04 13:54	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	81	%		1.0	09/23/04 13:54	SHF	98-08-8		4

REPORT OF LABORATORY ANALYSIS

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