

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: CONOCOPHILLIPS COMPANY Telephone: _____ e-mail address: _____
Address: PO BOX 2197 HOUSTON, TX 77252
Facility or well name: HELEN JACKSON #002A API #: 30-045-23294 U/L or Qtr/Qtr Q SEC 33 T 29N R 9W
County: SAN JUAN Latitude 36 40.673 N Longitude 107 47.083 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 51 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
(0 points)

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
(0 points)

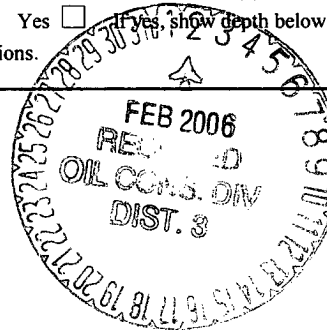
Ranking Score (TOTAL POINTS):

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



Meter: 34755

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: 10/3/05

Printed Name/Title Mark Harvey for Williams Field Services

Signature *Mark 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: DEPUTY OIL & GAS INSPECTOR, DIST. 3

Printed Name/Title _____ Signature *Denny Felt*

FEB 02 2006

Date: _____

ADDENDUM TO OCD FORM C-144

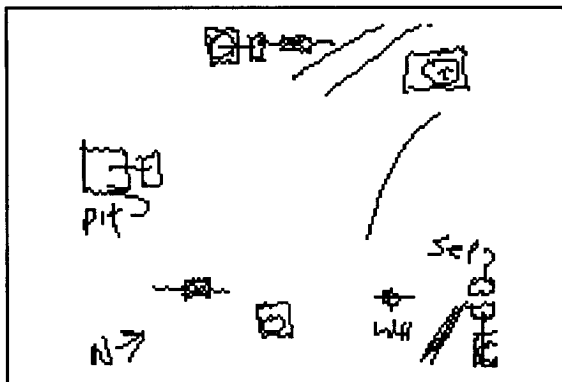
Operator: CONOCOPHILLIPS COMPANY

API 30-045-23294

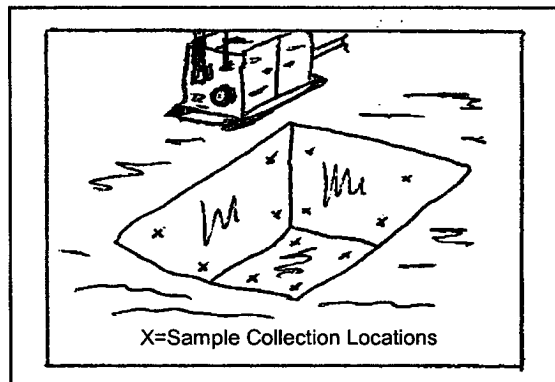
Well Name: HELEN JACKSON #002A

Meter: 34755

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 12 Ft.

Width 12 Ft.

Depth 2 Ft.

Location of Pit Center

Latitude 36 40.666 N

Longitude 07 47.105 W

(NAD 1927)

Pit ID

347551

Pit Type

Glycol Dehydrator

Date Closure Started: 3/22/05

Date Closure Completed: 3/22/05

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 68

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
100422MAR05	3/22/05	0			0	EX Confirm	Walls	8
101322MAR05	3/22/05	133	68.22	0	660	EX Confirm	Flr	11
133518FEB05	2/18/05		155.1	0	2300	ASSESS	Flr	3.5

See Risk Analysis

Lab Project Number: 6092681
Client Project ID: NM Pits 02/18-03/04/2005

Solid results are reported on a dry weight basis

Lab Sample No: 607961471 Project Sample Number: 6092681-002 Date Collected: 02/18/05 13:35
Client Sample ID: 133518FEB05 Matrix: Soil Date Received: 03/10/05 09:00

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	12.	1.2	03/11/05 18:48	WAW			
Jet Fuel	ND	mg/kg	12.	1.2	03/11/05 18:48	WAW			
Kerosene	ND	mg/kg	12.	1.2	03/11/05 18:48	WAW			
Diesel Fuel	ND	mg/kg	12.	1.2	03/11/05 18:48	WAW	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	03/11/05 18:48	WAW	68334-30-5		
Motor Oil	ND	mg/kg	12.	1.2	03/11/05 18:48	WAW			
Total Petroleum Hydrocarbons	2300	mg/kg	12.	1.2	03/11/05 18:48	WAW			1
n-Tetracosane (S)	206	%		1.0	03/11/05 18:48	WAW	646-31-1		2
p-Terphenyl (S)	98	%		1.0	03/11/05 18:48	WAW	92-94-4		
Date Extracted	03/10/05				03/10/05				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	16.1	%		1.0	03/10/05	ALJ1			

GC/MS Volatiles

UST VOCs in Soil	Prep/Method: EPA 5030 Medium Soil / EPA 8260								
Benzene	ND	ug/kg	580	11.6	03/14/05 16:21	AEP	71-43-2		
Toluene	27000	ug/kg	580	11.6	03/14/05 16:21	AEP	108-88-3		
Ethylbenzene	8100	ug/kg	580	11.6	03/14/05 16:21	AEP	100-41-4		
Xylene (Total)	120000	ug/kg	1700	11.6	03/14/05 16:21	AEP	1330-20-7		
Dibromofluoromethane (S)	98	%		1.0	03/14/05 16:21	AEP	1868-53-7		
1,2-Dichloroethane-d4 (S)	106	%		1.0	03/14/05 16:21	AEP	17060-07-0		
Toluene-d8 (S)	111	%		1.0	03/14/05 16:21	AEP	2037-26-5		
4-Bromofluorobenzene (S)	111	%		1.0	03/14/05 16:21	AEP	460-00-4		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
Phone: 913.599.5665
Fax: 913.599.1759

Lab Project Number: 6093428
Client Project ID: N. Mex. Pit Program

Lab Sample No: 608027025 Project Sample Number: 6093428-006 Date Collected: 03/22/05 10:04
Client Sample ID: 100422MAR05 Matrix: Soil Date Received: 04/01/05 09:00

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 04/05/05 12:28	RMN1			
Jet Fuel	ND	mg/kg	11.		1.1 04/05/05 12:28	RMN1			
Kerosene	ND	mg/kg	11.		1.1 04/05/05 12:28	RMN1			
Diesel Fuel	ND	mg/kg	11.		1.1 04/05/05 12:28	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 04/05/05 12:28	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 04/05/05 12:28	RMN1			
n-Tetracosane (S)	75	%			1.0 04/05/05 12:28	RMN1	646-31-1		
p-Terphenyl (S)	77	%			1.0 04/05/05 12:28	RMN1	92-94-4		
Date Extracted	04/04/05				04/04/05				

Organics Prep

Percent Moisture	Method: SM 2540G			
Percent Moisture	10.5	%	1.0 04/05/05	ALJ1

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Lab Project Number: 6093428
Client Project ID: N. Mex. Pit Program

Lab Sample No: 608027033 Project Sample Number: 6093428-007 Date Collected: 03/22/05 10:13
Client Sample ID: 101322MAR05 Matrix: Soil Date Received: 04/01/05 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	12.		1.2 04/05/05 13:28 RMN1				
Jet Fuel	ND	mg/kg	12.		1.2 04/05/05 13:28 RMN1				
Kerosene	ND	mg/kg	12.		1.2 04/05/05 13:28 RMN1				
Diesel Fuel	ND	mg/kg	12.		1.2 04/05/05 13:28 RMN1		68334-30-5		
Fuel Oil	ND	mg/kg	12.		1.2 04/05/05 13:28 RMN1		68334-30-5		
Motor Oil	ND	mg/kg	12.		1.2 04/05/05 13:28 RMN1				
Total Petroleum Hydrocarbons	660	mg/kg	12.		1.2 04/05/05 13:28 RMN1			2	
n-Tetracosane (S)	87	%			1.0 04/05/05 13:28 RMN1		646-31-1		
p-Terphenyl (S)	73	%			1.0 04/05/05 13:28 RMN1		92-94-4	4	
Date Extracted	04/04/05				04/04/05				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	17.3	%			1.0 04/05/05	ALJ1			

GC/MS Volatiles

UST VOCs in Soil	Prep/Method: EPA 5030 Medium Soil / EPA 8260								
Benzene	ND	ug/kg	530		10.5 04/05/05 16:30 AEP		71-43-2		
Toluene	820	ug/kg	530		10.5 04/05/05 16:30 AEP		108-88-3		
Ethylbenzene	5400	ug/kg	530		10.5 04/05/05 16:30 AEP		100-41-4		
Xylene (Total)	62000	ug/kg	1600		10.5 04/05/05 16:30 AEP		1330-20-7		
Dibromofluoromethane (S)	96	%			1.0 04/05/05 16:30 AEP		1868-53-7		
1,2-Dichloroethane-d4 (S)	100	%			1.0 04/05/05 16:30 AEP		17060-07-0		
Toluene-d8 (S)	106	%			1.0 04/05/05 16:30 AEP		2037-26-5		
4-Bromofluorobenzene (S)	103	%			1.0 04/05/05 16:30 AEP		460-00-4		

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