

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: BURLINGTON RESOURCES OIL & GAS CO Telephone: _____ e-mail address: _____
Address: 801 CHERRY ST FORT WORTH, TX 76102
Facility or well name: HARPER #002 API #: 30-045-10676 U/L or Qtr/Qtr P SEC 14 T 31N R 12W
County: SAN JUAN Latitude 36.89384 Longitude -108.06049 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 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

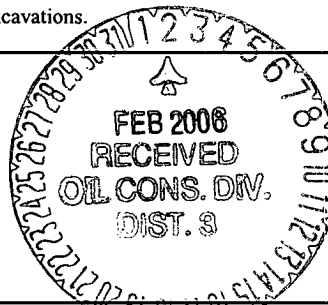
Ranking Score (TOTAL POINTS):

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



Meter: 34234

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 *Mr. 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:

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Printed Name/Title

Signature *Denny Fery*

Date: FEB 02 2006

ADDENDUM TO OCD FORM C-144

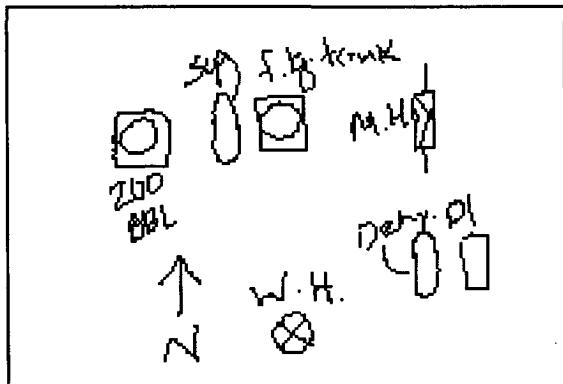
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP

API 30-045-10676

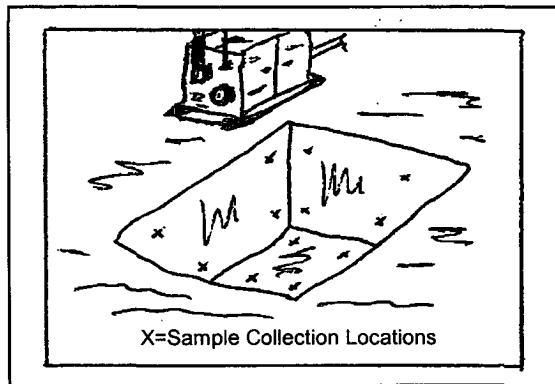
Well Name: HARPER #002

Meter: 34234

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 12 Ft.

Width 12 Ft.

Depth 2 Ft.

Location of Pit Center

Latitude 36.89402

Longitude -108.06013

(NAD 1927)

Pit ID

342341

Pit Type

Glycol Dehydrator

Date Closure Started: 1/21/05

Date Closure Completed: 1/21/05

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 73

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	
101521JAN05	1/21/05	256	35.44	0	580	EX Confirm	Walls	9	See Risk Analysis
102321JAN05	1/21/05	355	493	22	1000	EX Confirm	Flr	10	See Risk Analysis

Lab Project Number: 6091205

Client Project ID: N. Mex. Pit Program Winter 05

Lab Sample No: 607850351
Client Sample ID: 101521JAN05

Project Sample Number: 6091205-003
Matrix: Soil

Date Collected: 01/21/05 10:15
Date Received: 01/26/05 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	02/02/05 02:20	RMN1			
Jet Fuel	ND	mg/kg	12.	1.2	02/02/05 02:20	RMN1			
Kerosene	ND	mg/kg	12.	1.2	02/02/05 02:20	RMN1			
Diesel Fuel	ND	mg/kg	12.	1.2	02/02/05 02:20	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	02/02/05 02:20	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	12.	1.2	02/02/05 02:20	RMN1			
Total Petroleum Hydrocarbons	580	mg/kg	12.	1.2	02/02/05 02:20	RMN1		3	
n-Tetracosane (S)	100	%		1.0	02/02/05 02:20	RMN1	646-31-1		
p-Terphenyl (S)	118	%		1.0	02/02/05 02:20	RMN1	92-94-4		
Date Extracted	01/31/05				01/31/05				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	17.2	%		1.0	01/31/05	ALJ1			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	ND	ug/kg	450	9.0	01/30/05 10:46		71-43-2		
Ethylbenzene	940	ug/kg	450	9.0	01/30/05 10:46		100-41-4		
Toluene	4500	ug/kg	450	9.0	01/30/05 10:46		108-88-3		
Xylene (Total)	30000	ug/kg	1200	9.0	01/30/05 10:46		1330-20-7		
a,a,a-Trifluorotoluene (S)	82	%		1.0	01/30/05 10:46		98-08-8		

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: 6091205
Client Project ID: N. Mex. Pit Program Winter 05

Lab Sample No: 607850369 Project Sample Number: 6091205-004 Date Collected: 01/21/05 10:23
Client Sample ID: 102321JAN05 Matrix: Soil Date Received: 01/26/05 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	11.		1.1 02/02/05 02:37 RMN1				
Jet Fuel	ND	mg/kg	11.		1.1 02/02/05 02:37 RMN1				
Kerosene	ND	mg/kg	11.		1.1 02/02/05 02:37 RMN1				
Diesel Fuel	ND	mg/kg	11.		1.1 02/02/05 02:37 RMN1		68334-30-5		
Fuel Oil	ND	mg/kg	11.		1.1 02/02/05 02:37 RMN1		68334-30-5		
Motor Oil	ND	mg/kg	11.		1.1 02/02/05 02:37 RMN1				
Total Petroleum Hydrocarbons	1000	mg/kg	11.		1.1 02/02/05 02:37 RMN1			3	
n-Tetracosane (S)	103	%			1.0 02/02/05 02:37 RMN1		646-31-1		
p-Terphenyl (S)	121	%			1.0 02/02/05 02:37 RMN1		92-94-4		
Date Extracted	01/31/05				01/31/05				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	12.7	%			1.0 01/31/05	ALJ1			

GC Volatiles

Aromatic Volatile Organics	Prep/Method: EPA 5030 Medium Soil / EPA 8021								
Benzene	22000	ug/kg	5500	110	01/28/05 18:31		71-43-2		
Ethylbenzene	21000	ug/kg	5500	110	01/28/05 18:31		100-41-4		
Toluene	190000	ug/kg	5500	110	01/28/05 18:31		108-88-3		
Xylene (Total)	260000	ug/kg	14000	110	01/28/05 18:31		1330-20-7		
a,a,a-Trifluorotoluene (S)	103	%			1.0 01/28/05 18:31		98-08-8		

Date: 02/02/05

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