

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: GRENIER #021 API #: 30-045-20533 U/L or Qtr/Qtr K SEC 13 T 31N R 12W
County: SAN JUAN Latitude 36 53.778 N Longitude 108 03.171 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 ☐

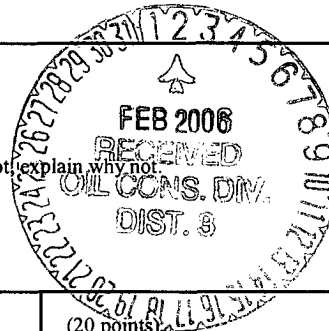
Pit Volume 100 bbl

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:

Meter: 32902

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

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 Jerry Taut

FEB 02 2006
Date: _____

ADDENDUM TO OCD FORM C-144

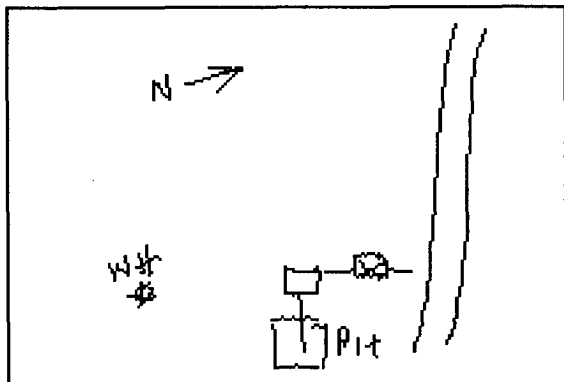
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP

API 30-045-20533

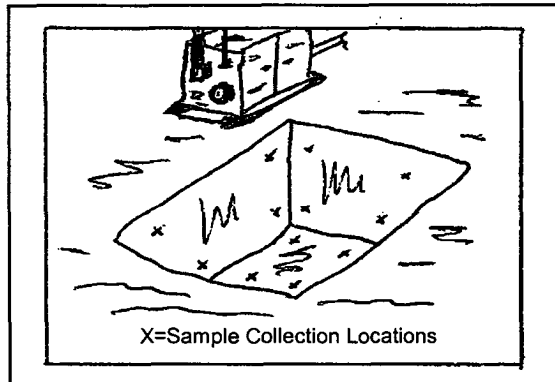
Well Name: GRENIER #021

Meter: 32902

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 15 Ft.
Width 15 Ft.
Depth 2.5 Ft.

Location of Pit Center

Latitude 36 53.783 N
Longitude 08 03.158 W
(NAD 1927)

Pit ID

329021

Pit Type

Glycol Dehydrator

Date Closure Started: 1/25/05

Date Closure Completed: 1/25/05

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☐

Cubic Yards Excavated: 123

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
090023JAN05	1/23/05		208	0	1300	ASSESS	Flr	3.5
104525JAN05	1/25/05	64	0	0	0	EX Confirm	Walls	10
105525JAN05	1/25/05	437	8.89	0	820	EX Confirm	Flr	13

See Risk Analysis

Lab Project Number: 6091199
Client Project ID: NM Pits

Lab Sample No: 607850047 Project Sample Number: 6091199-011 Date Collected: 01/23/05 09:00
Client Sample ID: 090023JAN05 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	12.	1.2	02/02/05 04:56	RMN1			
Jet Fuel	ND	mg/kg	12.	1.2	02/02/05 04:56	RMN1			
Kerosene	ND	mg/kg	12.	1.2	02/02/05 04:56	RMN1			
Diesel Fuel	ND	mg/kg	12.	1.2	02/02/05 04:56	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	12.	1.2	02/02/05 04:56	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	12.	1.2	02/02/05 04:56	RMN1			
Total Petroleum Hydrocarbons	1300	mg/kg	12.	1.2	02/02/05 04:56	RMN1		1	
n-Tetracosane (S)	100	%		1.0	02/02/05 04:56	RMN1	646-31-1		
p-Terphenyl (S)	105	%		1.0	02/02/05 04:56	RMN1	92-94-4		
Date Extracted	01/31/05				01/31/05				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	14.2	%		1.0	01/31/05	ALJ1			

GC Volatiles

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

Benzene	ND	ug/kg	2900	57.7	01/27/05 14:40		71-43-2		
Ethylbenzene	12000	ug/kg	2900	57.7	01/27/05 14:40		100-41-4		
Toluene	56000	ug/kg	2900	57.7	01/27/05 14:40		108-88-3		
Xylene (Total)	140000	ug/kg	7500	57.7	01/27/05 14:40		1330-20-7		
a,a,a-Trifluorotoluene (S)	169	%		1.0	01/27/05 14:40		98-08-8	2	

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6091534
Client Project ID: N. Mex Pit Program

Lab Sample No: 607876299 Project Sample Number: 6091534-003 Date Collected: 01/25/05 10:45
Client Sample ID: 104525JAN05 Matrix: Soil Date Received: 02/04/05 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	02/08/05 12:37	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	02/08/05 12:37	RMN1			
Kerosene	ND	mg/kg	11.	1.1	02/08/05 12:37	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	02/08/05 12:37	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	02/08/05 12:37	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	02/08/05 12:37	RMN1			
n-Tetracosane (S)	86	%		1.0	02/08/05 12:37	RMN1	646-31-1		
p-Terphenyl (S)	94	%		1.0	02/08/05 12:37	RMN1	92-94-4		
Date Extracted	02/07/05				02/07/05				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 9.3 % 1.0 02/07/05 ALJ1

GC Volatiles

Aromatic Volatile Organics

Prep/Method: EPA 5030 Medium Soil / EPA 8021

Benzene	ND	ug/kg	54.	1.1	02/05/05 02:26		71-43-2		
Ethylbenzene	ND	ug/kg	54.	1.1	02/05/05 02:26		100-41-4		
Toluene	ND	ug/kg	54.	1.1	02/05/05 02:26		108-88-3		
Xylene (Total)	ND	ug/kg	140	1.1	02/05/05 02:26		1330-20-7		
a,a,a-Trifluorotoluene (S)	102	%		1.0	02/05/05 02:26		98-08-8		

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6091534
Client Project ID: N. Mex Pit Program

Lab Sample No: 607876307 Project Sample Number: 6091534-004 Date Collected: 01/25/05 10:55
Client Sample ID: 105525JAN05 Matrix: Soil Date Received: 02/04/05 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	02/08/05 12:54	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	02/08/05 12:54	RMN1			
Kerosene	ND	mg/kg	11.	1.1	02/08/05 12:54	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	02/08/05 12:54	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	02/08/05 12:54	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	02/08/05 12:54	RMN1			
Total Petroleum Hydrocarbons	820	mg/kg	11.	1.1	02/08/05 12:54	RMN1		1	
n-Tetracosane (S)	97	%		1.0	02/08/05 12:54	RMN1	646-31-1		
p-Terphenyl (S)	166	%		1.0	02/08/05 12:54	RMN1	92-94-4	2	
Date Extracted	02/07/05				02/07/05				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 10.9 % 1.0 02/07/05 ALJ1

GC Volatiles

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

Benzene	ND	ug/kg	270	5.5	02/05/05 02:52		71-43-2		
Ethylbenzene	1200	ug/kg	270	5.5	02/05/05 02:52		100-41-4		
Toluene	290	ug/kg	270	5.5	02/05/05 02:52		108-88-3		
Xylene (Total)	7400	ug/kg	710	5.5	02/05/05 02:52		1330-20-7		
a,a,a-Trifluorotoluene (S)	81	%		1.0	02/05/05 02:52		98-08-8	3	

REPORT OF LABORATORY ANALYSIS

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