

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)

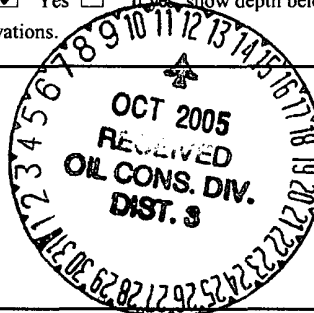
Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: <u>BURLINGTON RESOURCES OIL & GAS CO</u> Telephone: _____ e-mail address: _____	
Address: <u>801 CHERRY ST FORT WORTH, TX 76102</u>	
Facility or well name: <u>HARGRAVE #002R</u>	API #: <u>30-045-23718</u> U/L or Qtr/Qtr <u>I</u> SEC <u>9</u> T <u>27N</u> R <u>10W</u>
County: <u>SAN JUAN</u>	Latitude <u>36.58753</u> Longitude <u>-107.895</u> 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 <u>38</u> 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 (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 _____. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

Bedrock



Meter: 34949

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 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 Faint

Date: OCT 12 2005

ADDENDUM TO OCD FORM C-144

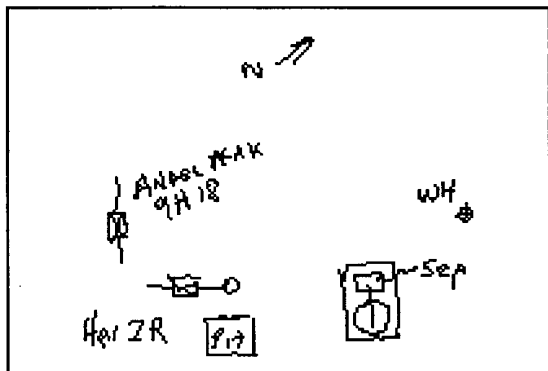
Operator: BURLINGTON RESOURCES OIL & GAS COMPANY LP

API 30-045-23718

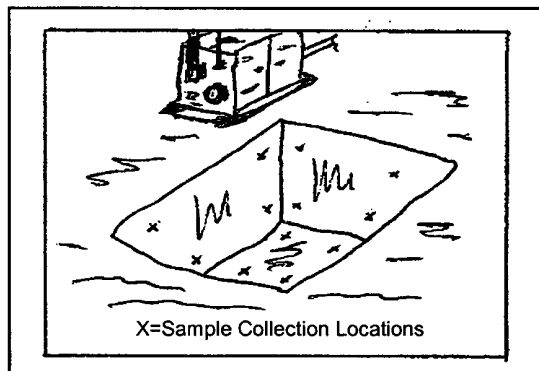
Well Name: HARGRAVE #002R

Meter: 34949

Facility Diagram:



Sampling Diagram:



Pit Dimensions

Length 12 Ft.
Width 12 Ft.
Depth 1.5 Ft.

Location of Pit Center

Latitude 36.58731
Longitude -107.89513
(NAD 1927)

Pit ID

349491

Pit Type

Other

Date Closure Started: 12/21/04

Date Closure Completed: 12/21/04

Closure Method: Excavated, Blended, Treated Soil Returned

Bedrock Encountered ? ☒

Cubic Yards Excavated: 27

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	
092521DEC04	12/21/04	141	0	0	0	EX Confirm	Walls	4	See Risk Analysis
093421DEC04	12/21/04	297	76.5	0	810	EX Confirm	Flr	5	See Risk Analysis
105215JUL04	7/15/04		50.1	0	760	ASSESS	Flr	2.5	

Lab Project Number: 6084968
Client Project ID: N.M. Pitts

Lab Sample No: 607318318 Project Sample Number: 6084968-003 Date Collected: 07/15/04 10:52
Client Sample ID: 105215JUL04 Matrix: Soil Date Received: 07/23/04 09:10

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	13.		1.2 07/27/04 20:48	RMN1			
Jet Fuel	ND	mg/kg	13.		1.2 07/27/04 20:48	RMN1			
Kerosene	ND	mg/kg	13.		1.2 07/27/04 20:48	RMN1			
Diesel Fuel	ND	mg/kg	13.		1.2 07/27/04 20:48	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	13.		1.2 07/27/04 20:48	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	13.		1.2 07/27/04 20:48	RMN1			
Total Petroleum Hydrocarbons	760	mg/kg	13.		1.2 07/27/04 20:48	RMN1		2	
n-Tetracosane (S)	118	%			1.0 07/27/04 20:48	RMN1	646-31-1		
p-Terphenyl (S)	150	%			1.0 07/27/04 20:48	RMN1	92-94-4		
Date Extracted	07/27/04				07/27/04				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 21.2 % 1.0 07/27/04 DPB

GC Volatiles

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

Benzene	ND	ug/kg	1300	25.4 07/28/04 10:30	71-43-2
Ethylbenzene	2700	ug/kg	1300	25.4 07/28/04 10:30	100-41-4
Toluene	5400	ug/kg	1300	25.4 07/28/04 10:30	108-88-3
Xylene (Total)	42000	ug/kg	3200	25.4 07/28/04 10:30	1330-20-7
a,a,a-Trifluorotoluene (S)	81	%		1.0 07/28/04 10:30	98-08-8

REPORT OF LABORATORY ANALYSIS

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Lab Project Number: 6090504
Client Project ID: N. Mex. Pits Program

Lab Sample No: 607796596 Project Sample Number: 6090504-030 Date Collected: 12/21/04 09:34
Client Sample ID: 093421DEC04 Matrix: Soil Date Received: 01/04/05 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	01/07/05 20:00	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	01/07/05 20:00	RMN1			
Kerosene	ND	mg/kg	11.	1.1	01/07/05 20:00	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	01/07/05 20:00	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	01/07/05 20:00	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	01/07/05 20:00	RMN1			
Total Petroleum Hydrocarbons	810	mg/kg	11.	1.1	01/07/05 20:00	RMN1		1	
n-Tetracosane (S)	106	%		1.0	01/07/05 20:00	RMN1	646-31-1		
p-Terphenyl (S)	127	%		1.0	01/07/05 20:00	RMN1	92-94-4		
Date Extracted	01/06/05				01/06/05				

Organics Prep

Percent Moisture Method: SM 2540G
Percent Moisture 10.8 % 1.0 01/06/05 ALJ1

GC Volatiles

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

Benzene	ND	ug/kg	2200	43.9	01/10/05 09:29	SHF	71-43-2		
Ethylbenzene	5100	ug/kg	2200	43.9	01/10/05 09:29	SHF	100-41-4		
Toluene	5400	ug/kg	2200	43.9	01/10/05 09:29	SHF	108-88-3		
Xylene (Total)	66000	ug/kg	5700	43.9	01/10/05 09:29	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	83	%		1.0	01/10/05 09:29	SHF	98-08-8	2,7	

Date: 01/12/05

Page: 30 of 46

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Lab Project Number: 6090504
Client Project ID: N. Mex. Pits Program

Lab Sample No: 607796588 Project Sample Number: 6090504-029 Date Collected: 12/21/04 09:25
Client Sample ID: 092521DEC04 Matrix: Soil Date Received: 01/04/05 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	01/11/05 13:12	RMN1			
Jet Fuel	ND	mg/kg	11.	1.1	01/11/05 13:12	RMN1			
Kerosene	ND	mg/kg	11.	1.1	01/11/05 13:12	RMN1			
Diesel Fuel	ND	mg/kg	11.	1.1	01/11/05 13:12	RMN1	68334-30-5		
Fuel Oil	ND	mg/kg	11.	1.1	01/11/05 13:12	RMN1	68334-30-5		
Motor Oil	ND	mg/kg	11.	1.1	01/11/05 13:12	RMN1			
n-Tetracosane (S)	98	%		1.0	01/11/05 13:12	RMN1	646-31-1		
p-Terphenyl (S)	96	%		1.0	01/11/05 13:12	RMN1	92-94-4		
Date Extracted	01/06/05				01/06/05				

Organics Prep

Percent Moisture	Method: SM 2540G								
Percent Moisture	7.5	%		1.0	01/06/05	ALJ1			

GC Volatiles

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

Benzene	ND	ug/kg	54.	1.1	01/07/05 19:37	SHF	71-43-2		
Ethylbenzene	ND	ug/kg	54.	1.1	01/07/05 19:37	SHF	100-41-4		
Toluene	ND	ug/kg	54.	1.1	01/07/05 19:37	SHF	108-88-3		
Xylene (Total)	ND	ug/kg	140	1.1	01/07/05 19:37	SHF	1330-20-7		
a,a,a-Trifluorotoluene (S)	103	%		1.0	01/07/05 19:37	SHF	98-08-8	2	

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