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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
March 12, 200

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 ☐

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

Operator: Burlington Resources Oil & Gas Company LP Telephone: 505-326-9700 e-mail address: jclark@br-inc.com

Address: 3401 E. 30th Street, Farmington, NM 87402

Facility or well name: Rattlesnake Canyon #104S API #: 30-045-31828 U/L or Qtr/Qtr O Sec 32 T 32N R 08 W

County: San Juan Latitude 36.9357 Longitude -107.6937 NAD: 1927 ☒ 1983 ☐ Surface Owner Federal ☐ State ☒ Private ☐ Indian ☐

Pit	**Below-grade tank**	
Type: Drilling ☐ Production ☐ Disposal ☐ Workover ☒ Emergency ☐ Lined ☒ Unlined ☐ Liner type: Synthetic ☒ Thickness 12 mil Clay ☐ Volume _____bbl	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) 10 points (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 points
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) 10 points (0 points)
	Ranking Score (Total Points) 20 points	

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: 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. (6) Closure completed date 6/2/04

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: 6/03/04

Printed Name/Title Joni Clark, Regulatory Specialist Signature Joni Clark

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:

Date: JUN 15 2004

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Signature Denny Foust

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	Burlington Resources	Project #:	92115-001
Sample ID:	Rattlesnake Canyon 104 S	Date Reported:	06-07-04
Laboratory Number:	28914	Date Sampled:	06-02-04
Chain of Custody No:	12242	Date Received:	06-02-04
Sample Matrix:	Soil	Date Extracted:	06-04-04
Preservative:	Cool	Date Analyzed:	06-07-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	**ND**	**0.2**
Diesel Range (C10 - C28)	**101**	**0.1**
Total Petroleum Hydrocarbons	**101**	**0.2**

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Pits.**

Analyst

Review

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	Burlington Resources	Project #:	92115-001
Sample ID:	Rattlesnake Canyon 104 S	Date Reported:	06-07-04
Laboratory Number:	28914	Date Sampled:	06-02-04
Chain of Custody:	12242	Date Received:	06-02-04
Sample Matrix:	Soil	Date Analyzed:	06-07-04
Preservative:	Cool	Date Extracted:	06-04-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**1.8**
Toluene	**ND**	**1.7**
Ethylbenzene	**ND**	**1.5**
p,m-Xylene	**ND**	**2.2**
o-Xylene	**ND**	**1.0**
Total BTEX	**ND**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**96 %**
	1,4-difluorobenzene	**96 %**
	Bromochlorobenzene	**96 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Pits.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EC, SAR, ESP, Cl Analysis

Client:	Burlington Resources	Project #:	92115-001
Sample ID:	Rattlesnake Canyon 104 S	Date Reported:	06-06-04
Laboratory Number:	28914	Date Sampled:	06-02-04
Chain of Custody:	12242	Date Received:	06-02-04
Sample Matrix:	Soil	DateExtracted:	06-04-04
Preservative:	Cool	Date Analyzed:	06-06-04
Condition:	Cool & Intact		

Parameter	Analytical Result	Units
Conductivity @ 25° C	**1,080**	umhos/cm
Calcium	**104**	mg/Kg
Magnesium	**<0.01**	mg/Kg
Sodium	**456**	mg/Kg
Sodium Absorption Ratio (SAR)	**17.4**	ratio
Exchangeable Sodium Percent (ESP)	**19.5**	percent
Chloride	**222**	mg/Kg

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.

Comments: **Pits.**

Analyst

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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

TRACE METAL ANALYSIS

Client:	Burlington Resources	Project #:	92115-001
Sample ID:	Rattlesnake Canyon 104 S	Date Reported:	06-06-04
Laboratory Number:	28914	Date Sampled:	06-02-04
Chain of Custody:	12242	Date Received:	06-02-04
Sample Matrix:	Soil	Date Analyzed:	06-06-04
Preservative:	Cool	Date Digested:	06-04-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	**0.014**	**0.001**	**5.0**
Barium	**0.584**	**0.001**	**100**
Cadmium	**ND**	**0.001**	**1.0**
Chromium	**0.004**	**0.001**	**5.0**
Lead	**0.002**	**0.001**	**5.0**
Mercury	**ND**	**0.001**	**0.2**
Selenium	**0.010**	**0.001**	**1.0**
Silver	**ND**	**0.001**	**5.0**

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils. SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Pits.**

Analyst

Review

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