

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-14  
March 12, 200

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

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. 30<sup>th</sup> 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

<b>Pit</b>	<b>Below-grade tank</b>	
Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input checked="" type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input checked="" type="checkbox"/> Thickness <u>12</u> mil Clay <input type="checkbox"/> Volume _____ bbl	Volume: _____ bbl Type of fluid: _____ Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> 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 <u>50 feet or more, but less than 100 feet</u> 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 <u>No</u>	(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)
	<b>Ranking Score (Total Points)</b>	<b>20 points</b>

**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: JUN 15 2004  
Date:

Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. #

Signature Denny Feut

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

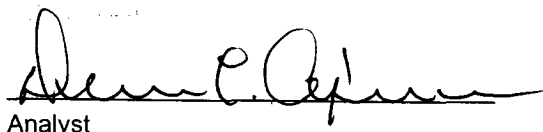
Client:	Burlington Resources	Project #:	92115-001
Sample ID:	Rattlesnake Canyon 104 S	Date Reported:	06-07-04
Laboratory Number:	28914	Date Sampled:	06-02-04
Chain of Custody No:	12242	Date Received:	06-02-04
Sample Matrix:	Soil	Date Extracted:	06-04-04
Preservative:	Cool	Date Analyzed:	06-07-04
Condition: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

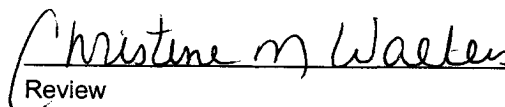
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	101	0.1
Total Petroleum Hydrocarbons	101	0.2

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

# 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.

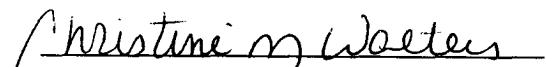
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96 %
	1,4-difluorobenzene	96 %
	Bromochlorobenzene	96 %

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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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

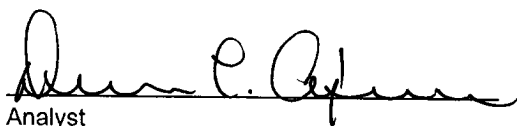
EC, SAR, ESP, CI Analysis

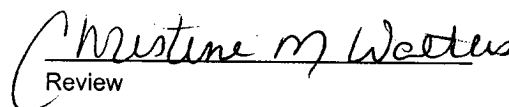
Client:	Burlington Resources	Project #:	92115-001
Sample ID:	Rattlesnake Canyon 104 S	Date Reported:	06-06-04
Laboratory Number:	28914	Date Sampled:	06-02-04
Chain of Custody:	12242	Date Received:	06-02-04
Sample Matrix:	Soil	Date Extracted:	06-04-04
Preservative:	Cool	Date Analyzed:	06-06-04
Condition: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

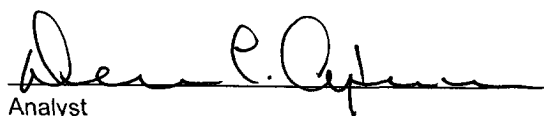
ND - Parameter not detected at the stated detection limit.

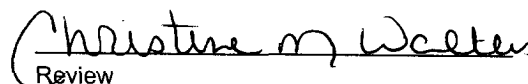
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission 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.**

  
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