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

March 12, 200
On Conservation Division
1220 South St. Francis Dr.///
Santa Fe, NM 87505

March 12, 200
For drilling and production facilities, submit to Santa Fe
office

South St. Francis Dr.///
South St. Francis Dr.//
South St. Francis Dr.///
South St. Francis Dr.//
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Form C-14-March 12, 200

Pit or Below-Grade Tank Registration or Closure Is pit or below-grade tank covered by a "general plan"? Yes No \(\sigma\)

Type of action: Registration of a pit or	below-grade tank Cosufe of a pit-or below-grad	e tank 🗵	<u></u>	
Operator: Burlington Resources Oil & Gas Company LP Telephon  Address: 3401 E. 30th Street, Farmington, NM 87402	ne:505-326-9700_e-mail address:iclark@br-inc	.com_	_	
Facility or well name: San Juan #24E API #: 30-045-26596 U/L	or Otr/Otr C Sec 33 T 29N R 09 W			
County: San Juan Latitude 36.68661 Longitude -107.78982		State Private	☑ Indian □	
			_	
Pit	Below-grade tank			
Type: Drilling Production Disposal	Volume:bbl Type of fluid:			
Workover 🗵 Emergency 🔲	Construction material:			
Lined Unlined 🛛	Double-walled, with leak detection? Yes I If not,	explain why not	•	
Liner type: Synthetic Thicknessmil Clay Volumebbl			_	
Doubt to around water (ventical dictance from bottom of nit to access a bish	Less than 50 feet	(20 points)		
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)		
water elevation of ground water.)	100 feet or more	( 0 points)	0 points	
Wallhood anatostion once. (Logs than 200 feet from a minute demostic	Yes	(20 points)		
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	No No	( 0 points)	0 points	
water source, or less than 1000 feet from all other water sources.)			<u> </u>	
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)		
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)		
	1000 feet or more	( 0 points)	0 points	
	Ranking Score (Total Points) 0 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	e disposal location	on:	
onsite O offsite I If offsite, name of facility	(3) Attach a general description of remedial action	on taken including	g remediation start date and	
end date. (4) Groundwater encountered: No 🛛 Yes 🔲 If yes, show depth	below ground surface ft. and attach sai	mple results. (5)	Attach soil sample results and	
a diagram of sample locations and excavations. (6) Closure completion date	^	•	•	
I hereby certify that the information above is true and complete to the best of been/will be constructed or closed according to NMOCD guidelines , a	my knowledge and belief. I further certify that the general permit or an (attached) alternative OC	above-described D-approved pla	pit or below-grade tank has n □.	
Date: 6/28/2004  Printed Name/Title   Ioni Clark Populatory Specialist	Simply (V)	L (P		
Printed Name/Title Joni Clark, Regulatory Specialist  Signature  Signature  Signature  Signature  Signature  Four 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 regulations.				
Approval: JUN 2 9 2004				
Data	10 -	1		
Printed Name/Title DEPUTY OIL & GAS INSPECTOR, DIST. Signature Derry Court				
		•		
	V			



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

Client:	Burlington Resources	Project #:	92115-001
Sample ID:	San Juan 24E	Date Reported:	06-16-04
Laboratory Number:	29073	Date Sampled:	06-10-04
Chain of Custody No:	12273	Date Received:	06-11-04
Sample Matrix:	Soil	Date Extracted:	06-14-04
Preservative:	Cool	Date Analyzed:	06-15-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	94.8	0.2
Diesel Range (C10 - C28)	162	0.1
Total Petroleum Hydrocarbons	257	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:

Reserve Pit.

Analyst C. april

Mustine of Walter, Review



## TRACE METAL ANALYSIS

Client:	<b>Burlington Resources</b>	Project #:	92115-001
Sample ID:	San Juan 24E	Date Reported:	06-15-04
Laboratory Number:	29073	Date Sampled:	06-10-04
Chain of Custody:	12273	Date Received:	06-11 <b>-</b> 04
Sample Matrix:	Soil	Date Analyzed:	06-15-04
Preservative:	Cool	Date Digested:	06-14-04
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
<b>A</b>	0.007	0.004	- ^
Arsenic	0.007	0.001	5.0
Barium	0.381	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.001	0.001	5.0
Lead	0.002	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.003	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:

Reserve Pit.

Analyst

Review McColles



## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington Resources	Project #:	92115-001
Sample ID:	San Juan 24E	Date Reported:	06-16-04
Laboratory Number:	29073	Date Sampled:	06-10-04
Chain of Custody:	12273	Date Received:	06-11-04
Sample Matrix:	Soil	Date Analyzed:	06-15-04
Preservative:	Cool	Date Extracted:	06-14-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	16.5	1.8	
Toluene	85.5	1.7	
Ethylbenzene	86.2	1.5	
p,m-Xylene	639	2.2	
o-Xylene	208	1.0	
Total BTEX	1,040		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Reserve Pit.

Analyst C. Open

Review Walter



## EC, SAR, ESP, CI Analysis

Client:	Burlington Resources	Project #:	92115-001
Sample ID:	San Juan 24E	Date Reported:	06-15-04
Laboratory Number:	29073	Date Sampled:	06-10-04
Chain of Custody:	12273	Date Received:	06-11-04
Sample Matrix:	Soil	Date Extracted:	06-14-04
Preservative:	Cool	Date Analyzed:	06-15-04
Condition:	Cool & Intact		

	Analytical	
Parameter	Result	Units

Conductivity @ 25° C	16.8	mmhos/cm
Calcium	790	mg/Kg
Magnesium	19.5	mg/Kg
Sodium	771	mg/Kg
Sodium Absorption Ratio (SAR)	10.5	ratio
Exchangeable Sodium Percent (ESP)	12.3	percent
Chloride	6,020	mg/Kg

Reference:

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

Comments:

Reserve Pit.

Analyst C. Christian

(Mistern Wellers
Review