

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
June 1, 2004
For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Tanka

Pit or Below-Grade Tank Registration or Closure

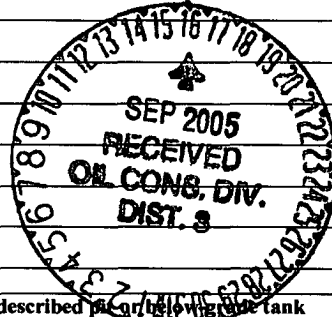
Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

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

Operator: <u>Burlington Resources</u>		Telephone: <u>(505) 326-9841</u>	e-mail address: <u>LHasely@br-inc.com</u>
Address: <u>3401 East 30th Street, Farmington, New Mexico, 87402</u>			
Facility or well name: <u>Reid No. 23</u>	API #: <u>30045074370000</u>	U/L or Qtr/Qtr <u>L</u> Sec <u>17</u> T <u>28N</u> R <u>9W</u>	
County: <u>San Juan</u>	Latitude <u>36.6591</u>	Longitude <u>-107.81695</u>	NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input type="checkbox"/> State <input type="checkbox"/> Private <input checked="" type="checkbox"/> Indian <input type="checkbox"/>			
Pit Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input type="checkbox"/> Unlined <input type="checkbox"/> Liner type: Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl		Below-grade tank Volume: <u>60</u> bbl Type of fluid: <u>Produced Water and Incidental Oil</u> Construction material: <u>Fiberglass</u> Double-walled, with leak detection? Yes <input type="checkbox"/> If not, explain why not. <u>No. Tank in place prior to Rule 50.</u>	
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 points) 0
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 or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points) 0
		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:
Below Grade Tank A
BTEX Lab Analysis Attached.
Maximum practical extent occurred at 20' depth, encountered sandstone.



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 <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	
Date: <u>9/14/05</u>	
Printed Name/Title <u>Mr. Ed Hasely, Environmental Advisor</u>	Signature <u>[Signature]</u>
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 <u>[Signature]</u> Signature <u>[Signature]</u>	Date: <u>SEP 16 2005</u>

ENVIROTECH INC

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON NEW MEXICO 87401
PHONE (505) 632-0615

FIELD REPORT CLOSURE VERIFICATION PAGE 1 of 2

LOCATION NAME	Reid	WELL #	23	PIT		DATE STARTED	3/30/05
QUAD/UNIT	L	SEC	17	TWP	28N	RNG	09W
				PM	NMM	CNTY	SJ ST NM
CTR/FOOTAGE		CONTRACTOR	L & R			ENVIRONMENTAL SPECIALIST	MPM

EXCAVATION APPROX FT X FT X FT DEEP CUBIC YARDAGE: 1700

DISPOSAL FACILITY: On-site REMEDIATION METHOD: _____

LAND USE: _____ LEASE: NMNM-01772-A FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 105 FT 85' FROM WELLHEAD

DEPTH TO GROUNDWATER: 0 NEAREST WATER SOURCE 0 NEAREST SURFACE WATER 0

NMOC BANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

CHECK ONE

SOIL AND EXCAVATION DESCRIPTION:

____ PIT ABANDONED

✓ STEEL TANK INSTALLED

P. + A

Soil very black from surface to 11' depth. No ~~is~~ change in color. After dilution still over 5000 ppm. Informed E & Hazely.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1130	11' TD	1	5	20	10	0.12	0.012 8328

SCALE

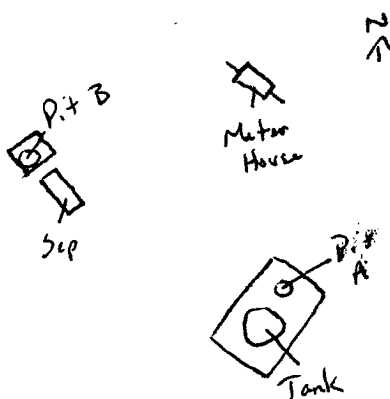
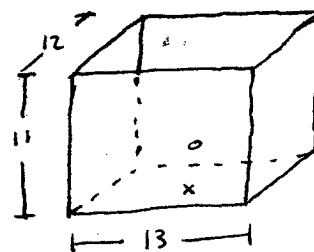


O FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

[illegible]

$\phi = 3^\circ$ Below Pot
 $x = 11'$ TD

TRAVEL NOTES

A. 0311

NOTE

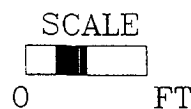
CLIENT: <u>Burlington Resources</u>	ENVIROTECH INC. <small>ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64-3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615</small>	LOCATION NO: _____ C.D.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>2</u> of <u>2</u>
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LOCATION: NAME: <u>Reid</u>	WELL #: <u>23</u>	PIT: _____	DATE STARTED: <u>3/30/05</u>	DATE FINISHED: <u>4/7/05</u>
QUAD/UNIT: <u>L</u> SEC: <u>17</u> TWP: <u>28N</u> RNG: <u>09W</u> PM: <u>NMM</u> CNTY: <u>ST</u> ST: <u>NM</u>			ENVIRONMENTAL SPECIALIST: <u>DAY</u>	
QTR/FOOTAGE: _____		CONTRACTOR: <u>L+R</u>		

EXCAVATION APPROX. <u>50</u> FT. x <u>53</u> FT. x <u>20</u> FT. DEEP.	CUBIC YARDAGE: <u>1700</u>
DISPOSAL FACILITY: <u>On-site</u>	REMEDIAATION METHOD: _____
LAND USE: _____	LEASE: <u>NMM-01772-A</u> FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>105</u> FT. <u>85°</u> FROM WELLHEAD.	
DEPTH TO GROUNDWATER: <u>0</u>	NEAREST WATER SOURCE: <u>0</u>	NEAREST SURFACE WATER: <u>0</u>
NMCD RANKING SCORE: <u>0</u>	NMCD TPH CLOSURE STD: <u>5000</u> PPM	
SOIL AND EXCAVATION DESCRIPTION: <u>at 21', soil on the south side bottom is still black and grey. wall comp passed standards, floor comp did as well.</u> <u>Pit A</u> <u>Maximum possible extent on sandstone floor 18'-21' deep</u>		
CHECK ONE: <input type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED		



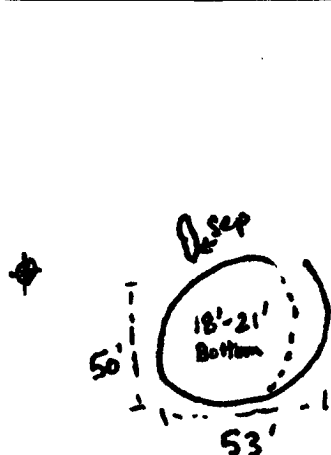
FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
12:00	Bottom comp 18'-21'		5.0	20	10	96	3840
12:15	wall comp 10'		5.0	20	1	21	84

PIT PERIMETER

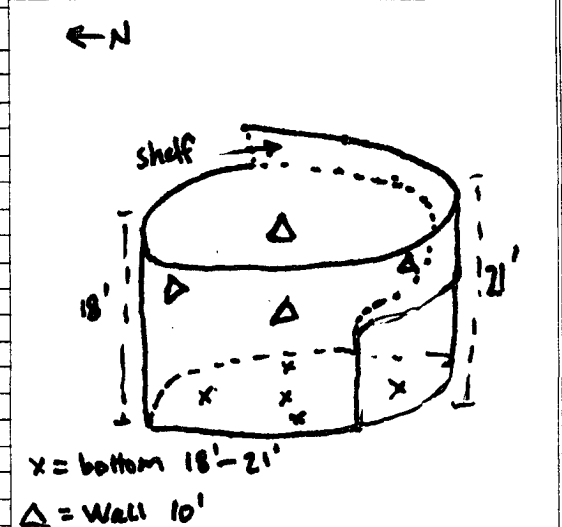
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 Bottom	331
2 Wall	3
3	
4	
5	

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME



TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-021-050
Sample No.:	2	Date Reported:	5/17/2005
Sample ID:	Bottom, 5 Pt Composite	Date Sampled:	4/7/2005
Sample Matrix:	Soil	Date Analyzed:	4/7/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	3,840	50.0
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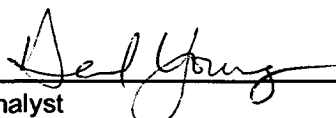
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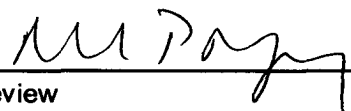
Sandstone

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of and Waste, USEPA Storet No. 4551, 1978.

Comments: Reid No. 23, BGT A

Instrument callibrated to 200 ppm standard. Zeroed before each sample


Analyst


Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-021-050
Sample No.:	3	Date Reported:	5/17/2005
Sample ID:	Walls, 4 Pt Composite	Date Sampled:	4/7/2005
Sample Matrix:	Soil	Date Analyzed:	4/7/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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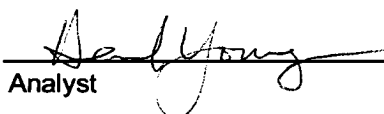
Total Petroleum Hydrocarbons	84.0	5.0
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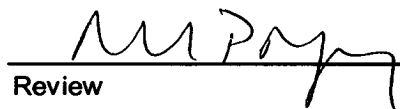
ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis and Waste, USEPA Storet No. 4551, 1978.

Comments: Reid No. 23, BGT A

Instrument callibrated to 200 ppm standard. Zeroed before each sample


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Burlington Resources
Sample ID: Bottom @ 20'
Laboratory Number: 32998
Chain of Custody: 14059
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 92115-021-050
Date Reported: 05-14-05
Date Sampled: 05-13-05
Date Received: 05-13-05
Date Analyzed: 05-14-05
Date Extracted: 05-13-05
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	2.1
Toluene	10.5	1.8
Ethylbenzene	4.4	1.7
p,m-Xylene	73.2	1.5
o-Xylene	24.2	2.2
Total BTEX	112	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

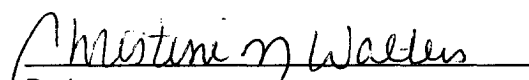
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

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

Comments:

Reid 23. BGT A


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Burlington Resources	Project #:	92115-001-14401
Sample ID:	Reid 23	Date Reported:	08-26-05
Laboratory Number:	34143	Date Sampled:	08-23-05
Chain of Custody No:	14401	Date Received:	08-24-05
Sample Matrix:	Soil	Date Extracted:	08-25-05
Preservative:	Cool	Date Analyzed:	08-26-05
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)	12.9	0.1
Total Petroleum Hydrocarbons	12.9	0.2

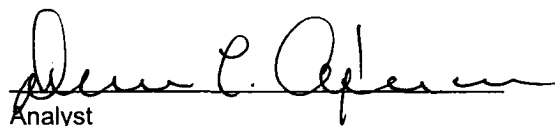
ND - Parameter not detected at the stated detection limit.

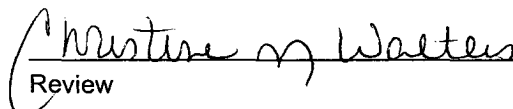
References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Landfarms (from BG Tank).**

Reid 23

PIN = 5.0


Analyst


Review