

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 ☐

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>Wilson No. 3</u> API #: <u>30045257040000</u> U/L or Qtr/Qtr <u>B</u> Sec <u>31</u> T <u>29N</u> R <u>10W</u>		
County: <u>San Juan</u> Latitude <u>36.68893</u> Longitude <u>-107.9243</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 _____ 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 ☐ 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) 10
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) 20
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) 10
Ranking Score (Total Points)		40

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 Envirotech Landfarm 2. (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:
Maximum Practical Extent of Excavation Reached at 5' Depth, Gypsum Encountered.
BTEX Lab Analysis Attached.

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: 5/19/05

Printed Name/Title Eel Hasely, Env. Advisor Signature [Signature]

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. 1

Printed Name/Title _____ Signature [Signature]

Date: MAY 24 2005

CLIENT Burlington Resources

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615LOCATION NO. C.D. NO.

FIELD REPORT: CLOSURE VERIFICATION

PAGE NO. 1 OF 2LOCATION: NAME Wilson 3 WELL #: PIT:
QUAD/UNIT: B SEC: 31 TWP: 29N RNG: 10W PM AMP CNTY: ST ST: NM
CTR/FOOTAGE: CONTRACTOR: DATE STARTED 3-16-05
DATE FINISHED 3/17/05
ENVIRONMENTAL SPECIALIST D. YoungEXCAVATION APPROX 13 FT. x 17 FT. x 5 FT DEEP CUBIC YARDAGE: 170
DISPOSAL FACILITY: (Day 1) REMEDIATION METHOD:
LAND USE: LEASE: FORMATION: FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 115 FT 330° FROM WELLHEAD.DEPTH TO GROUNDWATER: 10 NEAREST WATER SOURCE: 20 NEAREST SURFACE WATER: 10NMDC RANKING SCORE: 40 NMDC TPH CLOSURE STD: 100 PPM

CHECK ONE:

☐ PIT ABANDONED☒ STEEL TANK INSTALLED

SOIL AND EXCAVATION DESCRIPTION:

Upon removal of the fiberglass BGT, the soil appeared very saturated, black and gray. Excavation to 7' reached & produced refusal on a gypsum layer. Excavation continuing on walls to remove contamination. Pit expected to become clean with one (1) day excavation. Sulfurous smell present, possibly H₂S. Crew directed by LES Hegner to continue excavation. Previous land farm on site east of tank.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
10:30	7' bottom gypsum	1	5	20	1	44	176
11:30	nw well 4'	2	5	20	1	1007	4028

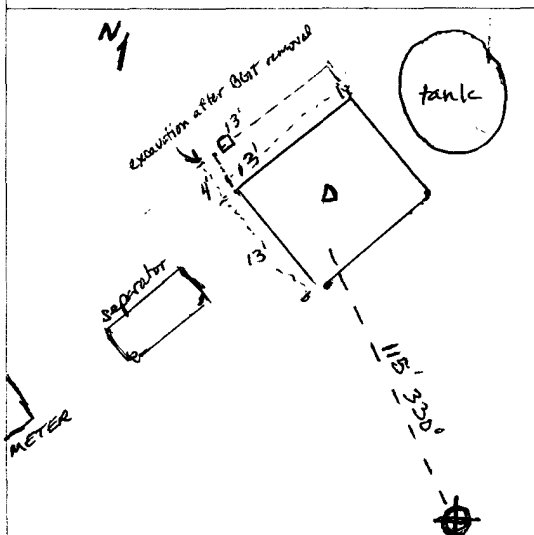
NTS
SCALE

0 FT

PIT PERIMETER

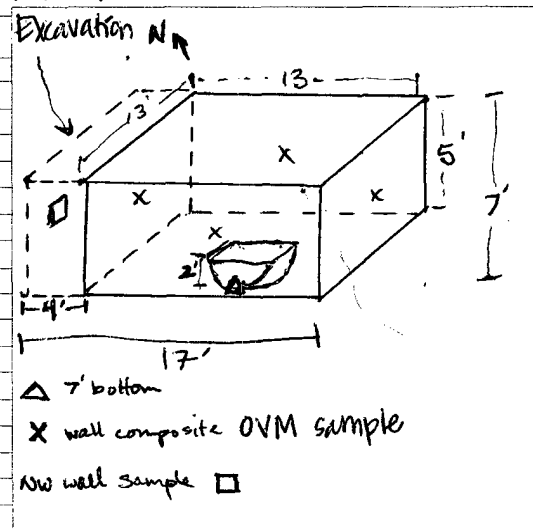
OVM
RESULTS

Further PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 7' bottom	21
2 well composite	506
3 nw well	103
4	
5	

SAMPLE ID	ANALYSIS	TIME
7' bottom	BTEX	10:30



TRAVEL NOTES

CALLOUT: ONSITE:

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Burlingotn Resources	Project #:	92115-021-040
Sample No.:	1	Date Reported:	3/23/2005
Sample ID:	Discrete, Bottom @ 7' Depth	Date Sampled:	3/16/2005
Sample Matrix:	Soil	Date Analyzed:	3/16/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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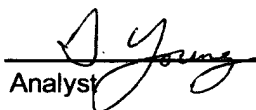
Total Petroleum Hydrocarbons	176	5.0
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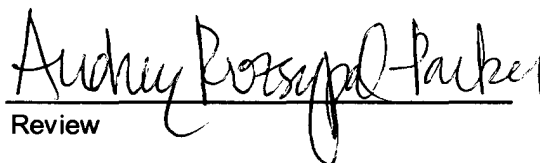
ND = Parameter not detected at the stated detection limit.

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

Comments: **Wilson No. 3**

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: 7' deep Gypsum Flr.
Laboratory Number: 32379
Chain of Custody: 13688
Sample Matrix: Soil
Preservative: Cool
Condition: Cool & Intact

Project #: 92115-021-040
Date Reported: 03-18-05
Date Sampled: 03-16-05
Date Received: 03-17-05
Date Analyzed: 03-18-05
Date Extracted: 03-17-05
Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	2.1
Toluene	3.8	1.8
Ethylbenzene	10.3	1.7
p,m-Xylene	74.4	1.5
o-Xylene	38.6	2.2
Total BTEX	127	

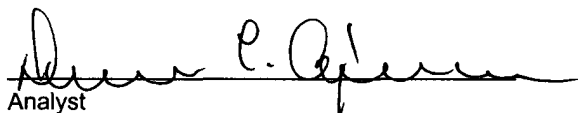
ND - Parameter not detected at the stated detection limit.

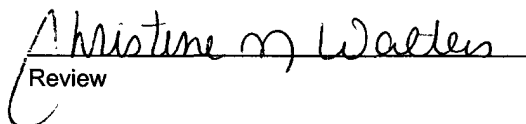
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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: Wilson 3.


Analyst


Review

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

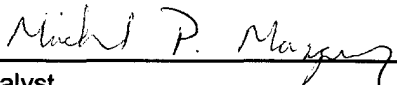
Client:	Burlington Resources	Project #:	92115-021-032
Sample No.:	3	Date Reported:	3/23/2005
Sample ID:	4 Point Composite of Walls @ Final Dimensions	Date Sampled:	3/17/2005
		Date Analyzed:	3/17/2005
Sample Matrix:	Soil	Analysis Needed:	TPH-418.1
Preservative:	Cool		
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	47.2	5.0

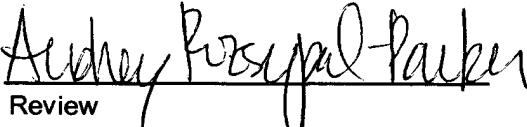
ND = Parameter not detected at the stated detection limit.

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

Comments: **Wilson No. 3**



Analyst



Review