

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 ☒

RCVD DEC 28 2006
OIL CON. DIV.
DIST. 3

Operator: Burlington Resources Telephone: (505) 326-9841 e-mail address: LHasely@br-inc.com
Address: 3401 East 30th Street, Farmington, New Mexico, 87402
Facility or well name: McClanahan No. 14 API #: 30004513068 U/L or Qtr/Qtr F Sec 23 T 28N R 10W
County: San Juan Latitude 36.649899 Longitude -107.8677 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: 40 bbl Type of fluid: Produced Water and Incidental Oil
Construction material: Fiberglass
Double-walled, with leak detection? Yes ☐ If not, explain why not.
No. Tank in place prior to Rule 50.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)	
	50 feet or more, but less than 100 feet	(10 points)	
	100 feet or more	(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	(20 points)	
	No	(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	(20 points)	
	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	(0 points)	20
Ranking Score (Total Points)			20

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:

Soil tested clean no soil remediation required

BTEX results 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: 12/27/06

Printed Name/Title Mr. Ed Hasely, Environmental 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.

OFFICE OF OIL & GAS INSPECTOR, DIST. 4
Approval:

Printed Name/Title _____

Signature [Signature]

Date: DEC 28 2006

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
4785 U.S. HIGHWAY 54-9015
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 651-0815

FIELD REPORT CLOSURE VERIFICATION

PAGE No. 1 of 1

LOCATION: NAME: McClanahan WELL #: 14 PIT: Separator
QUAD/UNIT: SEC: 23 TWP: 28N RNG: 10W PM: NMPH CNTY: ST ST: NM
QTR/FOOTAGE: 1850 FUL 1850 FWC CONTRACTOR: L & R

DATE STARTED: 11/24/00
DATE FINISHED: 11/25/00
ENVIRONMENTAL SPECIALIST: GWC

EXCAVATION APPROX 0 FT. x 0 FT. x 0 FT. DEEP. CUBIC YARDAGE: 0
DISPOSAL FACILITY: N/A REMEDIATION METHOD: N/A
LAND USE: grazing LEASE: FORMATION:

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 55' FT. 60' FROM WELLHEAD.

DEPTH TO GROUNDWATER: 2100 NEAREST WATER SOURCE: > 1,000 NEAREST SURFACE WATER: 2200

NMCD RANKING SCORE: 20 NMCD TPH CLOSURE STD: 10000 PPM
100

SOIL AND EXCAVATION DESCRIPTION:

Strong odor, no visual staining TPH Passed, BTEX samples turned into LAB

CHECK ONE:

☐ PIT ABANDONED

☒ STEEL TANK INSTALLED

FIELD 418.1 CALCULATIONS

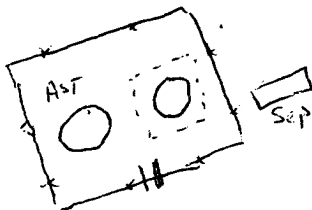
TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1320	Bottom 3' below BGT		5.0	20	4	3	12

SCALE



0 FT

PIT PERIMETER



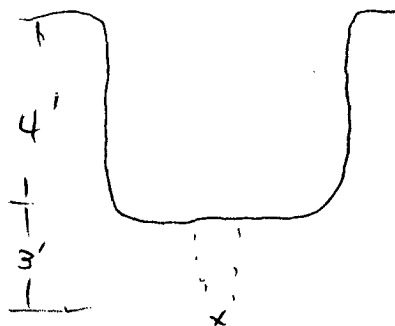
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 bottom	420
2	
3	
4	
5	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
bottom	Q021	1320

PIT PROFILE



TRAVEL NOTES:

CALLOUT: ONSITE:

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-046-050
Sample No.:	1	Date Reported:	11/29/2006
Sample ID:	Discrete sample 3' below BGT	Date Sampled:	11/29/2006
Sample Matrix:	Soil	Date Analyzed:	11/29/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

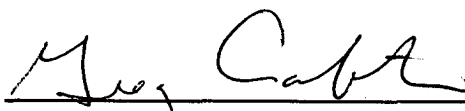
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	12.0	5.0

ND = Parameter not detected at the stated detection limit.

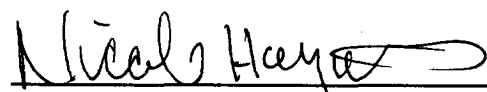
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **McClanahan No. 14**

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst



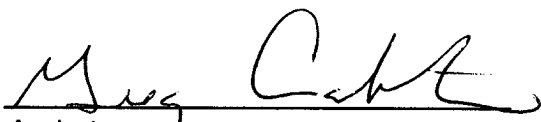
Review

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

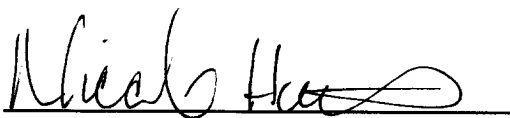
Cal. Date: 29-Nov-06

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	220
	200	
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.


Analyst

11/29/06
Date


Review

12-18-06
Date

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington	Project #:	92115-046-050
Sample ID:	Bottom @ 7' BGS	Date Reported:	12-01-06
Laboratory Number:	39329	Date Sampled:	11-29-06
Chain of Custody:	1806	Date Received:	11-29-06
Sample Matrix:	Soil	Date Analyzed:	12-01-06
Preservative:	Cool	Date Extracted:	11-30-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.8	1.8
Toluene	8.8	1.7
Ethylbenzene	7.6	1.5
p,m-Xylene	26.8	2.2
o-Xylene	12.2	1.0
Total BTEX	58.2	

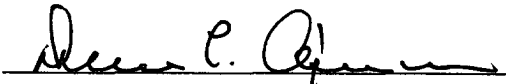
ND - Parameter not detected at the stated detection limit.

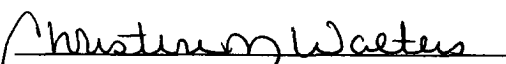
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: McClanahan #14


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	12-01-BTEX QA/QC	Date Reported:	12-01-06
Laboratory Number:	39329	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-01-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	3.9754E+007	3.9834E+007	0.2%	ND	0.2
Toluene	6.0213E+007	6.0334E+007	0.2%	ND	0.2
Ethylbenzene	2.8486E+007	2.8543E+007	0.2%	ND	0.2
p,m-Xylene	1.1479E+008	1.1502E+008	0.2%	ND	0.2
o-Xylene	5.5267E+007	5.5378E+007	0.2%	ND	0.1

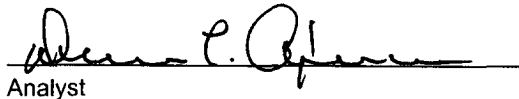
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect Limit
Benzene	2.8	2.8	0.0%	0 - 30%	1.8
Toluene	8.8	8.8	0.0%	0 - 30%	1.7
Ethylbenzene	7.6	7.5	1.3%	0 - 30%	1.5
p,m-Xylene	26.8	26.7	0.4%	0 - 30%	2.2
o-Xylene	12.2	12.1	0.8%	0 - 30%	1.0

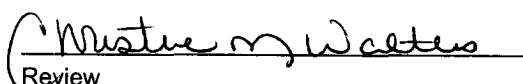
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2.8	50.0	52.7	99.8%	39 - 150
Toluene	8.8	50.0	58.7	99.8%	46 - 148
Ethylbenzene	7.6	50.0	57.5	99.8%	32 - 160
p,m-Xylene	26.8	100	126	99.7%	46 - 148
o-Xylene	12.2	50.0	62.1	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 39329 - 39330, 39332, 39337 - 39338, 39342


Analyst


Review

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