

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 ☒

BGT # 2

Operator: Burlington Resources Telephone: (505) 326-9841 e-mail address: Louis.E.Hasely@conocophillips.com  
Address: 3401 East 30<sup>th</sup> Street, Farmington, New Mexico, 87402  
Facility or well name: Callaway #2 Pit #2 API #: 3004523366 U/L or Qtr/Qtr A Sec 22 T 31N R 11W  
County: San Juan Latitude 36.88795 Longitude -107.97187 NAD: 1927 ☒ 1983 ☐  
Surface Owner: Federal ☐ State ☐ Private ☐ Indian ☒

<b>Pit</b> Type: Drilling <input type="checkbox"/> Production <input checked="" 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	<b>Below-grade tank</b> Volume: <u>30</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 (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) 10
<b>Ranking Score (Total Points)</b> 10	

**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 passed 418.1 standard of 1000 ppm and OVM standard of 100 ppm.

RCVD JUL 26 '07

OIL CONS. DIV.

DIST. 3

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: 7/24/07

Printed Name/Title Mr. Ed Hasely, Environmental Advisor

Signature Ed Hasely

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:

Printed Name/Title \_\_\_\_\_ Signature Bob Rull

Date: AUG 30 2007

Deputy Oil & Gas Inspector,  
District #3

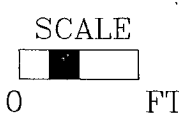
CLIENT: <u>Burlington</u>	<b>ENVIROTECH INC.</b> <small>ENVIRONMENTAL SCIENTISTS &amp; ENGINEERS          5796 U.S. HIGHWAY 64-3014          FARMINGTON, NEW MEXICO 87401          PHONE (505) 632-0615</small>	LOCATION NO: _____  C.O.C. NO: _____
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FIELD REPORT: CLOSURE VERIFICATION	PAGE No: _____ of _____
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LOCATION: NAME <u>Callaway</u> WELL # <u>2</u> PIT <u>#2</u> QUAD/UNIT: <u>A</u> SEC: <u>22</u> TWP: <u>31N</u> RNG: <u>11W</u> PM: _____ CNTY: <u>ST NM</u> QTR/FOOTAGE: <u>1120' FNL 790' FEL</u> CONTRACTOR: <u>Bailey's</u>	DATE STARTED <u>6/4/07</u> DATE FINISHED <u>6/4/07</u> ENVIRONMENTAL SPECIALIST <u>TJT</u>
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EXCAVATION APPROX <u>0</u> FT. x <u>0</u> FT. x <u>0</u> FT DEEP	CUBIC YARDAGE: <u>0</u>
DISPOSAL FACILITY: <u>N/A</u> REMEDIATION METHOD: <u>N/A</u>	
LAND USE: _____ LEASE: <u>3004523366</u> FORMATION: _____	

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>50</u> FT. <u>220°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>&gt;100</u> NEAREST WATER SOURCE: <u>&gt;1000</u> NEAREST SURFACE WATER: <u>630'</u> NMOCD RANKING SCORE: <u>10</u> NMOCD TPH CLOSURE STD: <u>1000</u> PPM
SOIL AND EXCAVATION DESCRIPTION:	CHECK ONE: <input checked="" type="checkbox"/> PIT ABANDONED <input type="checkbox"/> STEEL TANK INSTALLED



FIELD 418.1 CALCULATIONS

TIME	SAMPLE ID	LAB No	WEIGHT (g)	mL FREON	DILUTION	READING	CALC ppm
11:03	200 Standard					216	216
	Bottom 10'		5	20	4	0	0

PIT PERIMETER

OVM RESULTS

PIT PROFILE

	<table border="1" style="width:100%"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 Bottom</td><td>3.0</td></tr> <tr><td>2 10'</td><td></td></tr> <tr><td>3</td><td></td></tr> <tr><td>4</td><td></td></tr> <tr><td>5</td><td></td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 Bottom	3.0	2 10'		3		4		5					
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4																	
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LAB SAMPLES																	
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TRAVEL NOTES.	CALLOUT. _____	ONSITE: _____
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EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Burlington	Project #:	92115-121-091
Sample No.:	1	Date Reported:	6/4/2007
Sample ID:	Bottom @ 10' BGS	Date Sampled:	6/4/2007
Sample Matrix:	Soil	Date Analyzed:	6/4/2007
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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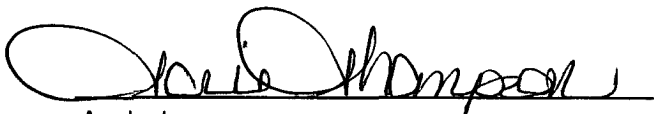
Total Petroleum Hydrocarbons	ND	5.0
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ND = Parameter not detected at the stated detection limit.

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

Comments: **Callaway #2 Pit #2**

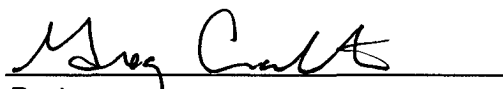
Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst

Torie Thompson

Printed



Review

Greg Crabtree


Printed

CONTINUOUS CALIBRATION  
EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Cal. Date: 4-Jun-07

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	216
	200	
	500	
	1000	

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



Analyst

7/9/07  
Date

Torie Thompson

Print Name



Review

7/9/07  
Date

Greg Crabtree

Print Name

Client: <u>Burlington</u>	<b>ENVIROTECH INC</b> ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615	Location No:
		C.O.C. No:

FIELD REPORT: NORM TESTING VERIFICATION		PAGE NO: _____ OF _____
LOCATION: NAME: <u>Callaway</u> WELL #: <u>2</u> Pit # <u>2</u>	DATE STARTED: <u>6/4/07</u>	
QUAD/UNIT: SEC: <u>22</u> TWP: <u>31N</u> RANG: <u>11W</u> BM: _____ CNTY: <u>SJS</u> STATE: <u>NM</u>	DATE FINISHED: <u>6/4/07</u>	
QTR/FOOTAGE: <u>1120' ETL 790' FEL</u> CONTRACTOR: <u>Bailey's</u>	ENVIRONMENTAL SPECIALIST: <u>TICT</u>	

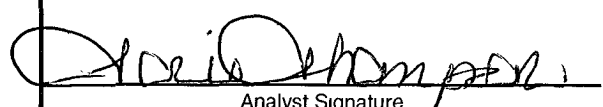
BACKGROUND READING .06 mR/hr

ALLOWABLE CONCENTRATION (1.5 TIMES BACKGROUND) .09 mR/hr

TIME	SAMPLE I.D.	CONCENTRATION	UNITS
11:20	5X7 Above-ground steel tank	.06	mR/hr

NOTES

COMMENTS:

  
 Analyst Signature

6/4/07  
 Date

Torie Thompson  
 Printed Name

Conversion Factors 1 Rem =	
Roentgen:	0.0838
Rem:	1
Sievert:	0.01
Coulomb/kilogram:	2.16E-05
Microcoulomb/kilogram:	21.6204
Millicoulomb/kilogram:	0.02162
Rep:	0.0838
Parker:	0.0838

## Method 415.1 Analysis Log Total Petroleum Hydrocarbons

Date 06/20/07

Analyst E. N. HAYWORTH

Location TURNER HUGHES # 13 A

Instrument INFRACAL

Job No. \_\_\_\_\_

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)	OVM (mg/kg)
1	BOTTOM	5	20	4	33	132	132
2	NORTH WALL	5	20	4	246	984	144
3	SOUTH WALL	5	20	4	190	760	284
4	EAST WALL	5	20	4	04	16	3.1
5	WEST WALL	5	20	4	46	184	4.7

### Infrared Spectrophotometer Calibration

New Freon \_\_\_\_\_

Date Standards Prepared \_\_\_\_\_

Standard Concentration (mg/L)	Absorbance
100	_____
200	<u>200</u>
500	_____
1000	_____

I-CAL RF: \_\_\_\_\_

C-CAL RF: \_\_\_\_\_

RSD: \_\_\_\_\_ %

% Difference: \_\_\_\_\_ %

QA/QC Acceptance Criteria: I-CAL RSD +/- 20%

C-Cal Difference +/- 10%

## Method 415.1 Analysis Log Total Petroleum Hydrocarbons

Date 06/20/07

Analyst G. CRABTREE  
Wade H. Crabtree

Location TURNER HUGHES # 13A

Instrument INFRACAL

Job No. \_\_\_\_\_

Sample No.	Sample Description	Sample Wt. (g)	Volume Freon (mL)	Dilution Factor	Abs. Reading	TPH (mg/kg)	OVH (mg/kg)
6	WEST WALL	5	20	4	08	32	0.9
7	NORTH WALL	5	20	4	08	32	27.9
8	SOUTH WALL	5	20	4	25	100	2.6
9	BOTTOM	5	20	4	23	92	82.7

### Infrared Spectrophotometer Calibration

New Freon \_\_\_\_\_

Date Standards Prepared \_\_\_\_\_

Standard Concentration (mg/L)	Absorbance
100	_____
200	<u>197</u>
500	_____
1000	_____

I-CAL RF: \_\_\_\_\_

C-CAL RF: \_\_\_\_\_

RSD: \_\_\_\_\_ %

% Difference: \_\_\_\_\_ %

QA/QC Acceptance Criteria: I-CAL RSD +/- 20%

C-Cal Difference +/- 10%