

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

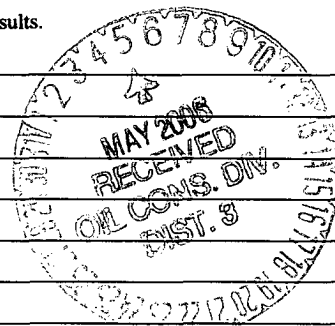
Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

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>San Juan 28-5 Unit 59</u>	API #: <u>30039823830000</u>	U/L or Qtr/Qtr <u>G</u> Sec <u>30</u> T <u>28N</u> R <u>5W</u>
County: <u>Rio Arriba</u>	Latitude <u>N36d 38.1'</u>	Longitude <u>W107d 23.8'</u> NAD: 1927 <input checked="" type="checkbox"/> 1983 <input type="checkbox"/>
Surface Owner: Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input type="checkbox"/> Disposal <input checked="" 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 <u> </u> mil Clay <input type="checkbox"/> Pit Volume <u> </u> bbl	Below-grade tank Volume: <u>95</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:
Maximum practical extent of excavation reached at 16' depth encountered sandstone.
<u>Landform lab results are attached</u>



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: 5/3/06

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.

DEPUTY OIL & GAS INSPECTOR, DIST. 3

Printed Name/Title Brandon Powell

Signature Brandon Powell

Date: MAY 05 2006

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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>1</u> of <u>1</u>
LOCATION: NAME: <u>San Juan 22-5</u> WELL #: <u>59</u> PIT: _____ QUAD/UNIT: <u>G SEC 30 TWP 22N RNG 5W PM: NMPM CNTY: Hinkley ST: NM</u> QTR/FOOTAGE: <u>1250' N 1450' E</u> CONTRACTOR: <u>MJM</u>	DATE STARTED: _____ DATE FINISHED: <u>12/6/05</u> ENVIRONMENTAL SPECIALIST: <u>MPM</u>

EXCAVATION APPROX. <u>51</u> FT. x <u>38</u> FT. x <u>15</u> FT. DEEP.	CUBIC YARDAGE: <u>1100 yd³</u>	
DISPOSAL FACILITY: <u>Du. Site</u>	REMEDIAATION METHOD: <u>Land-farm</u>	
LAND USE: <u>Grazing</u>	LEASE: <u>SF 079472</u>	FORMATION: _____

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>90'</u> FT. <u>230'</u> FROM <u>WELL HEAD</u> <i>middle of excavation WH</i> DEPTH TO GROUNDWATER: <u>0</u> NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER: <u>0</u> NMOC D RANKING SCORE: <u>0</u> NMOC D TPH CLOSURE STD: <u>5800</u> PPM SOIL AND EXCAVATION DESCRIPTION:
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CHECK ONE :
☒ PIT ABANDONED
☐ STEEL TANK INSTALLED

Excavation was completed on arrival. No visible signs of contamination present. Encountered sandstone @ 16' depth. Excavated area will remain open until landfarmed soil is below closure standard.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
6955	Bottom @ 15'		5	20	1	0.0042	33.3
1665	4 ft Walls		5	20	1	0.0082	56.9

SCALE



0 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>FIELD HEADSPACE PID (ppm)</th> </tr> </thead> <tbody> <tr><td>1 Bottom</td><td>0 ppm</td></tr> <tr><td>2 4 ft Walls</td><td>0 ppm</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> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">LAB SAMPLES</th> </tr> <tr> <th>SAMPLE ID</th> <th>ANALYSIS</th> <th>TIME</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	SAMPLE ID	FIELD HEADSPACE PID (ppm)	1 Bottom	0 ppm	2 4 ft Walls	0 ppm	3		4		5		LAB SAMPLES			SAMPLE ID	ANALYSIS	TIME													
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TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

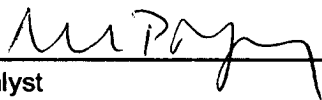
Client:	Burlington Resources	Project #:	92115-045
Sample No.:	1	Date Reported:	12/9/2005
Sample ID:	Bottom @ 16' depth	Date Sampled:	12/9/2005
Sample Matrix:	Soil	Date Analyzed:	12/9/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	33.3	5.0

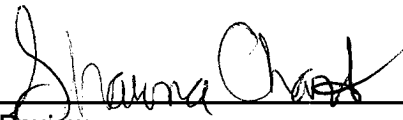
ND = Parameter not detected at the stated detection limit.

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

Comments: San Juan 28-5 Unit 59



Analyst



Review

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Burlington Resources	Project #:	92115-045
Sample No.:	2	Date Reported:	12/9/2005
Sample ID:	Walls, 4 Pt Composite	Date Sampled:	12/9/2005
Sample Matrix:	Soil	Date Analyzed:	12/9/2005
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	56.9	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: **San Juan 28-5 Unit 59**


Analyst


Review

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 92115-071
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 28-5 No. 59

DATE STARTED: 4/18/06

SOURCE LOCATION: "

DATE FINISHED: 4/18/06

SOURCE LOCATION: _____

ENVIRONMENTAL
SPECIALIST: GWC

SOURCE LOCATION: _____

FACILITY CLASSIFICATION: _____

PIT TYPE: _____

SOIL REMEDIATION: QUANTITY: 650 yd³ # OF COMP. SAMPLES: 3

DIMENSIONS: 198 x 85 x 1

VISIBLE OBSERVATIONS: landform turned regularly, no visible vegetation growing

SAMPLING PLAN: 3 five(s) point composite samples

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 100' YARDS 15° FROM WELLHEAD.

DEPTH TO GROUNDWATER: > 100'

NEAREST WATER SOURCE/TYPE: > 1000'

NEAREST SURFACE WATER: > 1000'

MAX TPH PER NMOC: 5,000 ppm

No. OF 5-POINT
COMPOSITE SAMPLES:

YARDAGE--#

0-200=1

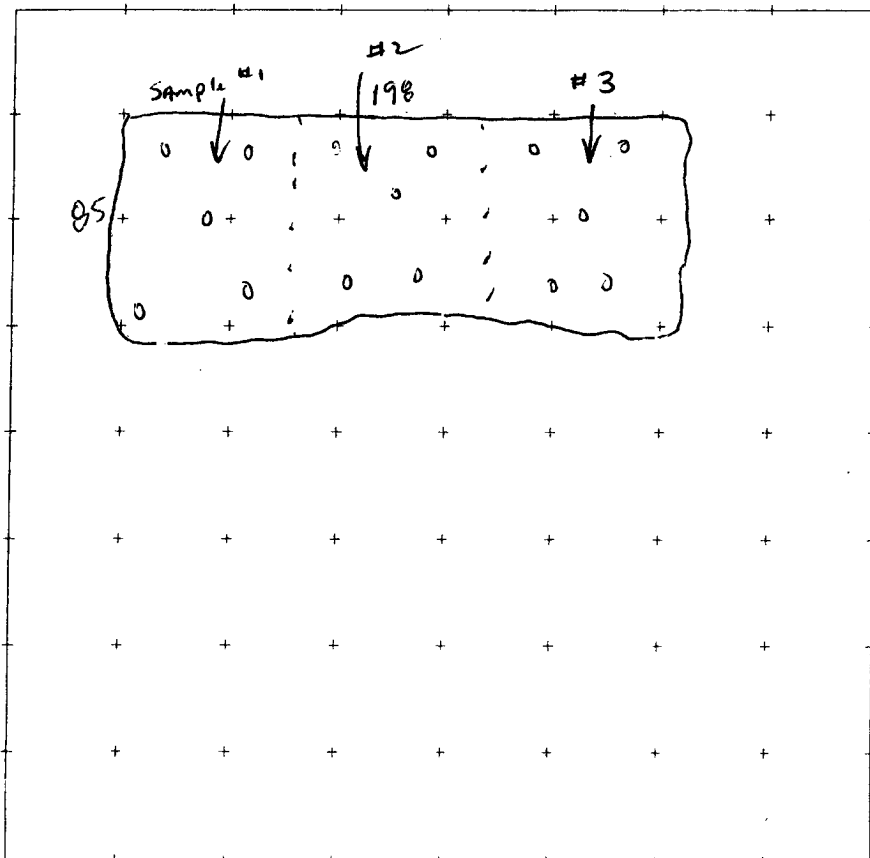
201-400=2

401-1000=3

>1000=5

FACILITY DIAGRAM

GRID SCALE: 1"=40'



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)
WEST	6
MIDDLE	9
EAST	24

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:
WEST	418.1	412
MIDDLE	418.1	616
EAST	418.1	716



NORTH

WELLHEAD



SURFACE
FLOW DIR.



ESTIMATED
GROUNDWATER
FLOW DIR.

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-071
Sample No.:	1	Date Reported:	4/26/2006
Sample ID:	Composite Sample #1	Date Sampled:	4/18/2006
Sample Matrix:	Soil	Date Analyzed:	4/18/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

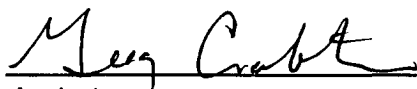
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	412.0	5.0

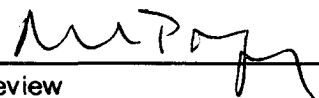
ND = Parameter not detected at the stated detection limit.

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

Comments: San Juan 28-5 No. 59 Landfarm

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst


Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-071
Sample No.:	1	Date Reported:	4/26/2006
Sample ID:	Composite Sample #2	Date Sampled:	4/18/2006
Sample Matrix:	Soil	Date Analyzed:	4/18/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	616.0	5.0

ND = Parameter not detected at the stated detection limit.

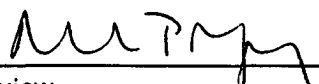
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: San Juan 28-5 No. 59 Landfarm

Instrument calibrated to 200 ppm standard. Zeroed before each sample



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-071
Sample No.:	1	Date Reported:	4/26/2006
Sample ID:	Composite Sample #1	Date Sampled:	4/18/2006
Sample Matrix:	Soil	Date Analyzed:	4/18/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

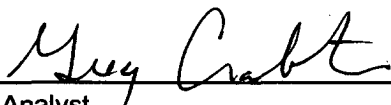
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	716.0	5.0


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: San Juan 28-5 No. 59 Landfarm

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Review