

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 NMOC 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 19A</u> API #: <u>30039238350000</u> U/L or Qtr/Qtr <u>O</u> Sec <u>10</u> T <u>28N</u> R <u>5W</u>		
County: <u>Rio Arriba</u> Latitude <u>N36d 40.3'</u> Longitude <u>W107d 20.6'</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 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 <u> </u> mil Clay <input type="checkbox"/> Pit Volume <u> </u> 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 checked="" type="checkbox"/> If not, explain why not.	
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)
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)		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:

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 NMOC District Office ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 8/12/06
Printed Name/Title Mr. Ed Hasely, Environmental Advisor Signature [Signature]

Your certification and NMOC District Office 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		
Approval:		
Printed Name/Title <u> </u> Signature <u>[Signature]</u> Date: <u>AUG 23 2006</u>		

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.O.C. NO: _____
-------------------------------------	---	--

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>1</u> of <u>1</u>
---	-------------------------------

LOCATION: NAME: <u>San Juan 28-5</u> WELL #: <u>19A</u> PIT: _____ QUAD/UNIT: <u>0</u> SEC: <u>10</u> TWP: <u>28N</u> RNG: <u>5W</u> PM: <u>NMPM</u> CNTY: <u>Do</u> <u>Ariz</u> ST: <u>NM</u> QTR/FOOTAGE: <u>1190'S</u> <u>1450'E</u> CONTRACTOR: <u>LOR</u>	DATE STARTED: <u>1/6/06</u> DATE FINISHED: <u>1/10/06</u> ENVIRONMENTAL SPECIALIST: <u>MPM</u>
--	--

EXCAVATION APPROX. <u>23'</u> FT. x <u>24'</u> FT. x <u>13'</u> FT. DEEP.	CUBIC YARDAGE: <u>245 yd³</u>	
DISPOSAL FACILITY: <u>On-site</u>	REMEDIATION METHOD: <u>Landfarm</u>	
LAND USE: _____	LEASE: <u>SF 079250</u>	FORMATION: <u>MV</u>

FIELD NOTES & REMARKS:	PIT LOCATED APPROXIMATELY <u>64'</u> FT. <u>5°</u> FROM WELLHEAD. DEPTH TO GROUNDWATER: <u>10</u> NEAREST WATER SOURCE: <u>0</u> NEAREST SURFACE WATER: <u>0</u> NMOC D RANKING SCORE: <u>10</u> NMOC D TPH CLOSURE STD: <u>1000</u> PPM
------------------------	--

SOIL AND EXCAVATION DESCRIPTION: Lat. <u>N36° 40.3</u> Long. <u>W107° 20.6</u> Visible contamination from beneath BGT to approx 11' depth. Encountered sandstone @ 13' depth. No remaining visible at that depth. 1/10 Excavation completed. No remaining visible contamination.	CHECK ONE: <input type="checkbox"/> PIT ABANDONED <input checked="" type="checkbox"/> STEEL TANK INSTALLED
---	--

SCALE

0 FT

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1157	Walls/Comp	1	5	20	1	0.0014	9.72 ppm
1205	Bottom @ 13'	1	5	20	1	0.034	236 ppm

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 3' below</td> <td>1316</td> </tr> <tr> <td>2 13' Sandstone</td> <td>94</td> </tr> <tr> <td>3</td> <td></td> </tr> <tr> <td>4 Walls, Comp</td> <td>0</td> </tr> <tr> <td>5 Bottom @ 13'</td> <td>84</td> </tr> </tbody> </table> <table border="1" style="width:100%"> <thead> <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> <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 3' below	1316	2 13' Sandstone	94	3		4 Walls, Comp	0	5 Bottom @ 13'	84	SAMPLE ID	ANALYSIS	TIME																			
SAMPLE ID	FIELD HEADSPACE PID (ppm)																																		
1 3' below	1316																																		
2 13' Sandstone	94																																		
3																																			
4 Walls, Comp	0																																		
5 Bottom @ 13'	84																																		
SAMPLE ID	ANALYSIS	TIME																																	

TRAVEL NOTES:	CALLOUT: _____	ONSITE: _____
---------------	----------------	---------------

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Burlington Resources	Project #:	92115-046-132
Sample No.:	1	Date Reported:	1/10/2006
Sample ID:	Walls, 4 Pt Composite	Date Sampled:	1/10/2006
Sample Matrix:	Soil	Date Analyzed:	1/10/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

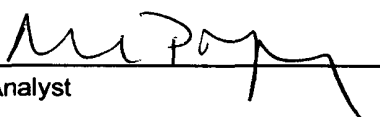
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	9.71	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 19A**



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-046-132
Sample No.:	2	Date Reported:	1/10/2006
Sample ID:	Bottom @ 13' depth	Date Sampled:	1/10/2006
Sample Matrix:	Soil	Date Analyzed:	1/10/2006
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

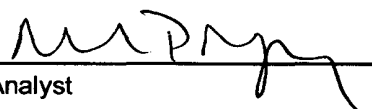
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----------	--------------------------	--------------------------

Total Petroleum Hydrocarbons	236	5.0
------------------------------	-----	-----

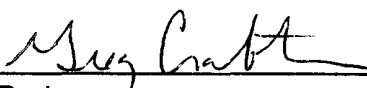
ND = Parameter not detected at the stated detection limit.

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 19A



Analyst



Review

EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	Burlington Resources	Project #:	92115-046-132
Sample ID:	QA/QC	Date Reported:	1/10/2006
Laboratory Number:	01-24-TPH.QA/QC	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	1/24/2005
Preservative:	N/A	Date Extracted:	1/24/2005
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	05-22-04	1/24/2005	1,735	1,613	7.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	5.0

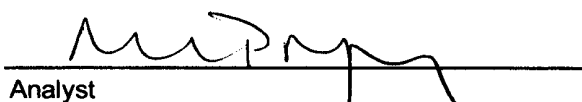
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	2,471	2,352	4.8%	+/- 30%

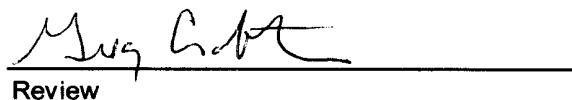
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	2,471	2,000	5,030	112.5%	80 - 120%

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: QA/QC for San Juan 28-5 Unit 19A


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

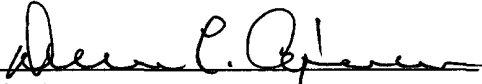
Client:	Burlington Resources	Project #:	92115-001-1179
Sample ID:	San Juan 28-5 #19A	Date Reported:	07-24-06
Laboratory Number:	37933	Date Sampled:	07-13-06
Chain of Custody No:	1179	Date Received:	07-20-06
Sample Matrix:	Soil	Date Extracted:	07-21-06
Preservative:	Cool	Date Analyzed:	07-24-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

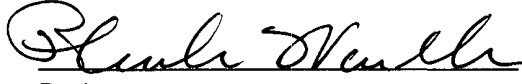
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.3	0.2
Diesel Range (C10 - C28)	4.5	0.1
Total Petroleum Hydrocarbons	4.8	0.2

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: ~~(2006~~ Project) Landfarm PID 4.8


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

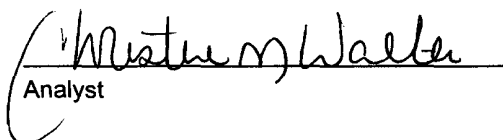
Client:	ConocoPhillips	Project #:	92115-001-15890
Sample ID:	San Juan 32-8 #7A	Date Reported:	05-16-06
Laboratory Number:	37125	Date Sampled:	05-10-06
Chain of Custody No:	15890	Date Received:	05-12-06
Sample Matrix:	Soil	Date Extracted:	05-15-06
Preservative:	Cool	Date Analyzed:	05-15-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

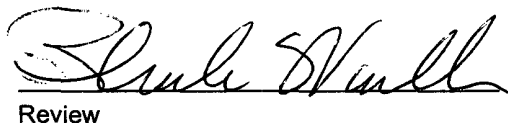
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: Earth Pit Jerry Loudermilt PID 1.5.


Analyst

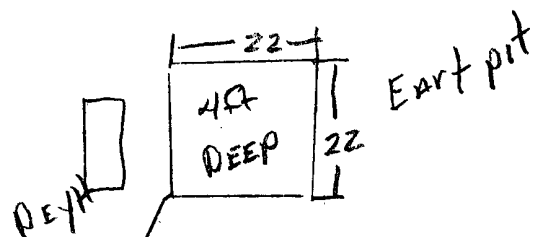
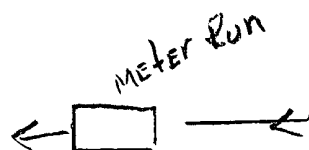

Review

CONOCO PHILLIPS WELL SITE
SAN JUAN 32-8 # NO 7A

5/10/04

Richard PIERCE Run #73
947-5720

North



West

East



62 yds
North
South EAST

(Earth pit)

1st Brown clay smell wet
2nd Brown + gray clay smell wet
3 1/2 feet Brown sand stone smell wet
pit 4 feet deep 22x22
NEAREST WASH 3 miles away

WELL

South

