

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>Nye No. 292</u>		API #: <u>30045271790000</u>		U/L or Qtr/Qtr <u>B</u> Sec <u>9</u> T <u>29N</u> R <u>10W</u>	
County: <u>San Juan</u>		Latitude <u>36.74371</u>		Longitude <u>-107.8879</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 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			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		(20 points)
			50 feet or more, but less than 100 feet		(10 points)
			100 feet or more		(0 points) 20
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)			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 _____. (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 12' Depth, Encountered Sandstone.
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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		
Date: <u>4/12/05</u>	Signature: <u>[Signature]</u>	
Printed Name/Title: <u>Ed Hasely, Env. Advisor</u>		
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: <u>[Signature]</u>	DEPUTY OIL & GAS INSPECTOR, DIST. IV	
Printed Name/Title: <u>Michael Hasely, Environmental Advisor</u>	Signature: _____	Date: <u>APR 14 2005</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: <u> </u> C.O.C. NO: <u>13670</u>
-------------------------------------	---	---

FIELD REPORT: CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>2</u>
LOCATION: NAME: <u>NYE</u>	WELL #: <u>292</u>	PIT: <u> </u>
QUAD/UNIT: <u>B</u>	SEC: <u>09</u>	TWP: <u>29N</u> RNG: <u>10W</u> PM: <u>NMPM</u> CNTY: <u>SS</u> ST: <u>NM</u>
OTR/FOOTAGE: <u> </u>	CONTRACTOR: <u> </u>	DATE STARTED: <u>3/9/05</u> DATE FINISHED: <u>3/14/05</u> ENVIRONMENTAL SPECIALIST: <u>D. Young</u>

EXCAVATION APPROX 20 FT. x 16 FT. x 9 FT. DEEP. CUBIC YARDAGE:

DISPOSAL FACILITY: REMEDIATION METHOD:

LAND USE: LEASE: FORMATION:

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 95' FT. 90° FROM WELLHEAD.

DEPTH TO GROUNDWATER: <20' NEAREST WATER SOURCE: NEAREST SURFACE WATER: 150'

NMDCD RANKING SCORE: 40 NMDCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION: 3/9/05

CHECK ONE:
☐ PIT ABANDONED
☐ STEEL TANK INSTALLED

Upon beginning excavation, fiberglass pit ^{tank} was not intact and several holes + tears were visible. After tank removal soil underneath was visibly contaminated (grey + black) ~~from~~ to 9' where sandstone was encountered. A three inch (3") layer of paraffin was also visible. BTEX sample was taken of sandstone bottom as well as initial ovm + TPH readings. Pit set up temporarily to await further excavation

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
14:00	Sandstone, bottom 9'	1	5	20	10	68	2720

SCALE

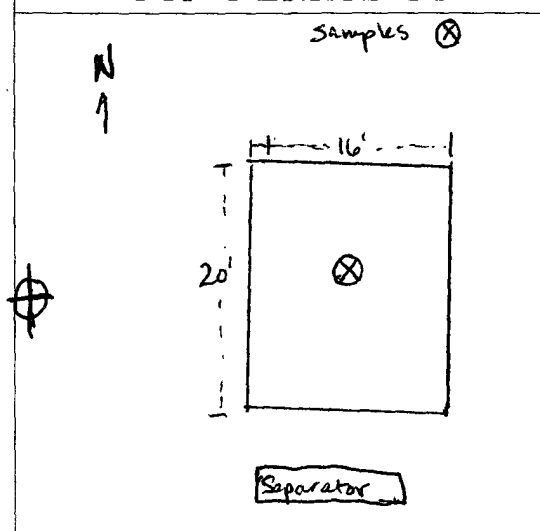


0 FT

PIT PERIMETER

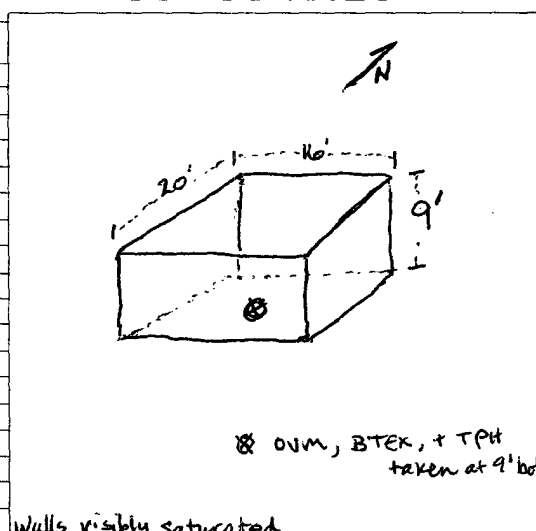
OVM RESULTS

PIT PROFILE



SAMPLE ID	FIELD HEADSPACE PID (ppm)
1 9' bottom	567
2	
3	
4	
5	

LAB SAMPLES		
SAMPLE ID	ANALYSIS	TIME
9' bottom	BTEX	14:00



⊗ OVM, BTEX, + TPH taken at 9' bottom

Walls visibly saturated

TRAVEL NOTES: CALLOUT: ONSITE:

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: <u>13675</u>
-------------------------------------	---	---

FIELD REPORT: CLOSURE VERIFICATION	PAGE No: <u>2</u> of <u>2</u>
------------------------------------	-------------------------------

LOCATION: NAME: <u>Nye 292</u>	WELL #: _____	PIT: _____	DATE STARTED: <u>3/9/05</u>
QUAD/UNIT: _____	SEC: _____	TWP: _____	DATE FINISHED: <u>3/14/05</u>
RNG: _____	PM: _____	CNTY: _____	ENVIRONMENTAL SPECIALIST: <u>MPM</u>
QTR/FOOTAGE: _____			CONTRACTOR: <u>M&M Trucking</u>

EXCAVATION APPROX. 41 FT. x 34 FT. x 12 FT. DEEP. CUBIC YARDAGE: 619 yds

DISPOSAL FACILITY: LF on site REMEDIATION METHOD: _____

LAND USE: _____ LEASE: _____ FORMATION: _____

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY _____ FT. _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____ NEAREST WATER SOURCE: _____ NEAREST SURFACE WATER: _____

NMCD RANKING SCORE: _____ NMCD TPH CLOSURE STD: 100 PPM

SOIL AND EXCAVATION DESCRIPTION: 3/14/05

CHECK ONE:
☐ PIT ABANDONED
☒ STEEL TANK INSTALLED

1530 4 Pt Comp dimensions at 34' x 32' x 10' (walls)

1600 4 Pt Comp dimensions at ~~400~~ 34' x 41' x 12' (walls)

Took BTEX sample at 12' TD - Maximum practical extent

Soil Landfarmed on site.

FIELD 418.1 CALCULATIONS

TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
1530	4 Pt Comp	<u>2</u>	<u>5</u>	<u>20</u>	<u>1</u>	<u>0.038</u>	<u>263</u>
1600	4 Pt Comp	<u>3</u>	<u>5</u>	<u>20</u>	<u>1</u>	<u>0.0142</u>	<u>98.5</u>
1620	Bottom 12' TD	<u>4</u>	<u>5</u>	<u>20</u>	<u>1</u>	<u>0.044</u>	<u>305</u>

SCALE

0 FT

PIT PERIMETER

OVM RESULTS

PIT PROFILE

34'

41'

SAMPLE ID	FIELD HEADSPACE PIO (ppm)
1 N. Wall	12 ppm
2 E. Wall	734
3 S. Wall	34
4 W. Wall	13
5 Bottom	439 ppm
4 Pt Comp	47 ppm
4 Pt Comp	31
Bottom	25

34'

41'

12'

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	Burlington Resources	Project #:	92115-021-036
Sample No.:	1	Date Reported:	3/15/2005
Sample ID:	Discrete, Bottom @ 9' Depth (Sandstone)	Date Sampled:	3/9/2005
Sample Matrix:	Soil	Date Analyzed:	3/9/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

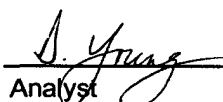
Total Petroleum Hydrocarbons:	2,720	50
--------------------------------------	--------------	-----------

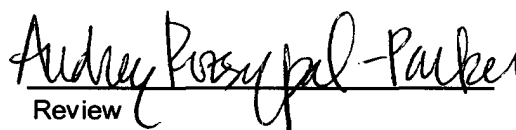
ND = Parameter not detected at the stated detection limit.

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

Comments: **Nye No. 292**

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst


Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-021-032
Sample No.:	2	Date Reported:	3/23/2005
Sample ID:	4 Point Composite of Walls @ Dimensions 24' x 32' x 10' Depth	Date Sampled:	3/17/2005
Sample Matrix:	Soil	Date Analyzed:	3/17/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	264	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: Nye No. 292

Michael P. Marquez
Analyst

Audrey Prosser-Parker
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 @ Dimensions 34' x 41' x 12' Depth	Date Sampled:	3/17/2005
Sample Matrix:	Soil	Date Analyzed:	3/17/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	98.5	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: **Nye No. 292**

Michael P. Marquez
Analyst

Audrey Rosapal-Parker
Review

ENVIROTECH INC.

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Burlington Resources	Project #:	92115-021-032
Sample No.:	4	Date Reported:	3/23/2005
Sample ID:	Discrete, Bottom @ 12' Depth	Date Sampled:	3/14/2005
Sample Matrix:	Soil	Date Analyzed:	3/14/2005
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

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

Total Petroleum Hydrocarbons	305	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: **Nye No. 292**

Michael P. Marquez
Analyst

Audrey Porsygal-Parker
Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington Resources	Project #:	92115-021-036
Sample ID:	12' TD Maximum Extent	Date Reported:	03-15-05
Laboratory Number:	32355	Date Sampled:	03-14-05
Chain of Custody:	13675	Date Received:	03-14-05
Sample Matrix:	Soil	Date Analyzed:	03-15-05
Preservative:	Cool	Date Extracted:	03-15-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	4.5	2.1
Toluene	ND	1.8
Ethylbenzene	13.6	1.7
p,m-Xylene	75.5	1.5
o-Xylene	43.1	2.2
Total BTEX	137	

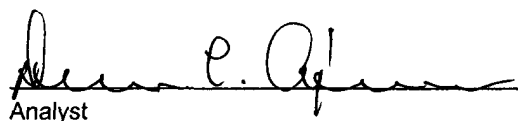
ND - Parameter not detected at the stated detection limit.

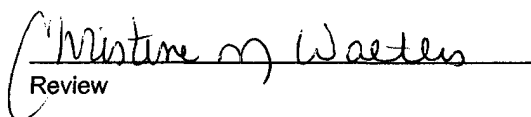
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Nye 292.


Analyst


Review