

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: 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: Huerfanito 60 API #: 300450601500 U/L or Qtr/Qtr M Sec 4 T 26N R 9W
County: San Juan Latitude 36.5126 Longitude -107.79897 NAD: 1927 ☒ 1983 ☐
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
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	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 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) 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 See Below. (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: Below grade tank location was 110 feet 0 degrees north of the wellhead. Excavation started on 10/25/04. Approximately 1400 cy of impacted soils were excavated and landfarmed onsite and on the Huerfanito #61, the Huerfanito #24 and the Huerfanito #25. Excavation size was approximately 50' x 40' x 20'. Walls and bottom of excavation tested "clean" (analyses attached). Landfarmed soils were worked until 7/21/05, then sampled and all tested "clean" (analyses 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 X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 8/18/05

Printed Name/Title 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

DEPUTY OIL & GAS INSPECTOR, DIST IV

Signature Denny Fount

Date: AUG 10 2005

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Burlington Resources	Project #:	92115-001-003
Sample ID:	Walls	Date Reported:	11-11-04
Laboratory Number:	31172	Date Sampled:	11-04-04
Chain of Custody No:	13110	Date Received:	11-08-04
Sample Matrix:	Soil	Date Extracted:	11-10-04
Preservative:	Cool	Date Analyzed:	11-11-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

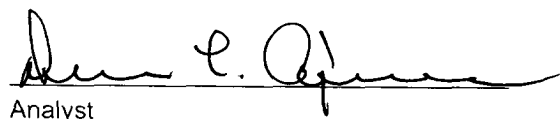
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

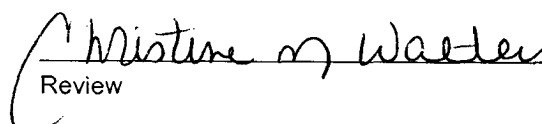
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Huerfanito 60 BG Tank Exc.**

PID = 0


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

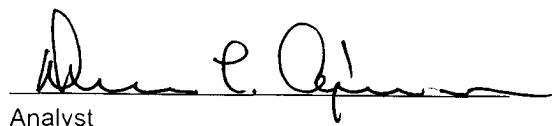
Client:	Burlington Resources	Project #:	92115-001-003
Sample ID:	Bottom 20	Date Reported:	11-11-04
Laboratory Number:	31173	Date Sampled:	11-04-04
Chain of Custody No:	13110	Date Received:	11-08-04
Sample Matrix:	Soil	Date Extracted:	11-10-04
Preservative:	Cool	Date Analyzed:	11-11-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

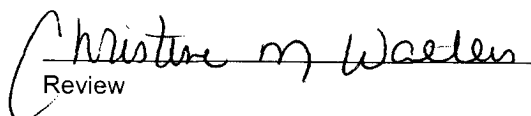
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	1.6	0.1
Total Petroleum Hydrocarbons	1.6	0.2

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: **Huerfanito 60 BG Tank Exc.**


Analyst


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington Resources	Project #:	92115-001-003
Sample ID:	Bottom 20'	Date Reported:	11-11-04
Laboratory Number:	31173	Date Sampled:	11-04-04
Chain of Custody:	13110	Date Received:	11-08-04
Sample Matrix:	Soil	Date Analyzed:	11-11-04
Preservative:	Cool	Date Extracted:	11-10-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	ND	2.2
o-Xylene	ND	1.0
Total BTEX	ND	

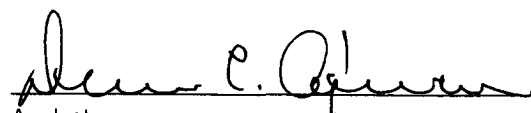
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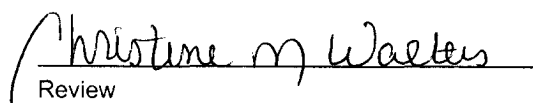
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Huerfanito 60 BG Tank Exc.


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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Burlington Resources	Project #:	92115-001-14128
Sample ID:	Huerfanito 24	Date Reported:	07-30-05
Laboratory Number:	33868	Date Sampled:	07-21-05
Chain of Custody No:	14128	Date Received:	07-26-05
Sample Matrix:	Soil	Date Extracted:	07-28-05
Preservative:	Cool	Date Analyzed:	07-30-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

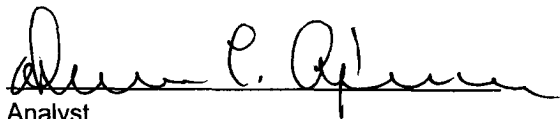
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	57.4	0.1
Total Petroleum Hydrocarbons	57.4	0.2

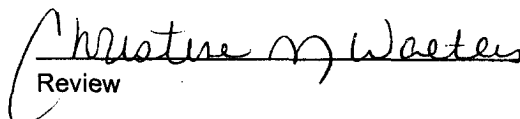
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Landfarm from BG Tank Excavation on Huerfanito 60.**

PID = 1.0


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Burlington Resources	Project #:	92115-001-14128
Sample ID:	Huerfanito 25	Date Reported:	07-30-05
Laboratory Number:	33869	Date Sampled:	07-21-05
Chain of Custody No:	14128	Date Received:	07-26-05
Sample Matrix:	Soil	Date Extracted:	07-28-05
Preservative:	Cool	Date Analyzed:	07-30-05
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)	59.7	0.1
Total Petroleum Hydrocarbons	59.7	0.2

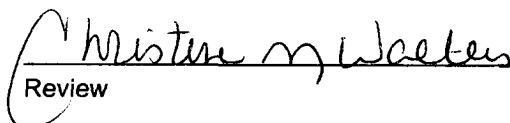
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Landfarm from BG Tank Excavation on Huerfanito 60.**

PID = 1.0


Analyst


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Burlington Resources	Project #:	92115-001-14128
Sample ID:	Huerfanito 61	Date Reported:	07-30-05
Laboratory Number:	33867	Date Sampled:	07-21-05
Chain of Custody No:	14128	Date Received:	07-26-05
Sample Matrix:	Soil	Date Extracted:	07-28-05
Preservative:	Cool	Date Analyzed:	07-30-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

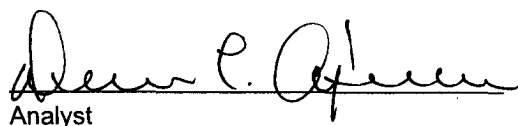
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	18.9	0.1
Total Petroleum Hydrocarbons	18.9	0.2

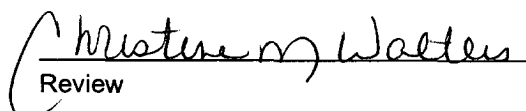
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Landfarm from BG Tank Excavation on Huerfanito 60.**

PID = 0.5


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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Burlington Resources	Project #:	92115-001-14128
Sample ID:	Huerfanito 60	Date Reported:	07-30-05
Laboratory Number:	33866	Date Sampled:	07-21-05
Chain of Custody No:	14128	Date Received:	07-26-05
Sample Matrix:	Soil	Date Extracted:	07-28-05
Preservative:	Cool	Date Analyzed:	07-30-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

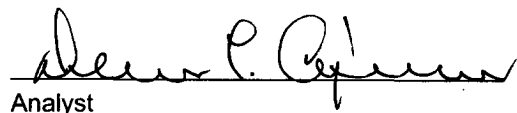
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	31.2	0.1
Total Petroleum Hydrocarbons	31.2	0.2

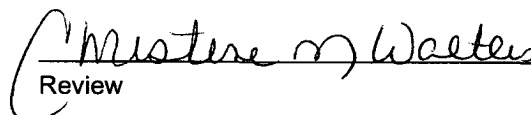
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Landfarm from BG Tank Excavation on Huerfanito 60.**

PID = 0.7


Analyst


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