

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 ☒

ROVD DEC13'06

OIL CONS. DIV.

DIST. 3

Operator: **Williams Production Co., LLC** Telephone: **505-634-4219** e-mail address: **myke.lane@williams.com**
Address: **POB 640, Aztec, NM 87410**
Facility or well name: **Rosa 170** API #: **30-039-25851** U/L or Qtr/Qtr **N** Sec **21** T **31N** R **06W**
County: **Rio Arriba** Latitude Longitude NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness mil Clay ☐ Pit Volume bbl	Below-grade tank Volume: 120 bbl Type of fluid: Produced Water Construction material: Fiberglass with Plastic Liner Double-walled, with leak detection? Yes ☒ 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 (20 points) 50 feet or more, but less than 100 feet (10 points) ✓ 100 feet or more (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 (20 points) ✓ No (0 points)
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 ft or more, but less than 1000 feet (10 points) 1000 feet or more (0 points)
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:
BGT replacement. No release suspected as liner in tack. Replace Fiberglass tank with Steel Sub-grade tank
Sample collected prior to installation of SGT. See attached site diagram and soil sample results.

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: **12/12/06**

Printed Name/Title **Michael K. Lane/EH&S Specialist** Signature

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. #3**

Signature

Date:

DEC 13 2006

Date: 11/29/06

Inspector: J. B.

Location:

Unit Letter: B-21 Sec. 21 Twp. 31N Rng. 6E
Lat: _____ Long: _____

Reference:

Wellhead _____ Footage: 130'
Direction: N or S 12 Degrees E or W

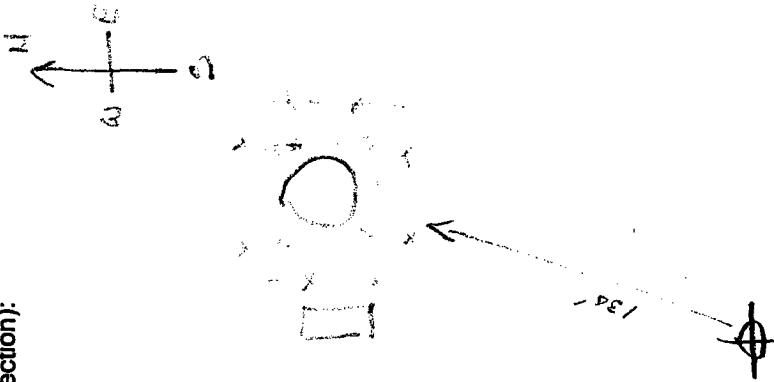
Original Pit Construction (Circle):

Replacement Pit (Circle): Fiberglass Steel single-wall
SGI / Double-Btm Steel / None

Comments (Note if samples taken and if contamination is suspected):

SAMPLE EXAMINATION PRIOR
TO SETTING SGT.

Site Diagram (Sketch former pit location relative to wellhead and any other surface equipment. Note North direction):



Sample ID Description Field Reading

1		
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ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

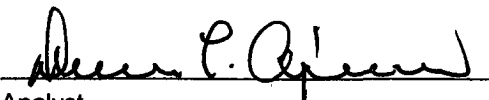
Client:	Williams Production	Project #:	04108-003-1810
Sample ID:	Rosa 170 : BGT	Date Reported:	12-01-06
Laboratory Number:	39338	Date Sampled:	11-29-06
Chain of Custody No:	1810	Date Received:	11-30-06
Sample Matrix:	Soil	Date Extracted:	12-01-06
Preservative:	Cool	Date Analyzed:	12-01-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

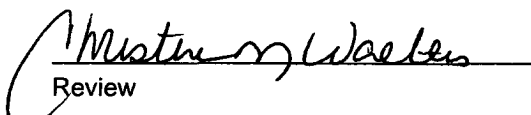
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Rosa 170**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-01-06 QA/QC	Date Reported:	12-01-06
Laboratory Number:	39332	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-01-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	07-11-05	9.9689E+002	9.9789E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.9641E+002	9.9841E+002	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

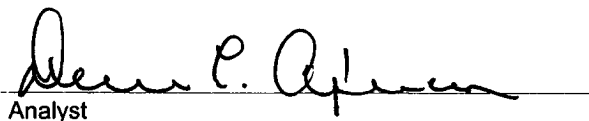
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	49.8	49.5	0.6%	0 - 30%
Diesel Range C10 - C28	318	316	0.6%	0 - 30%

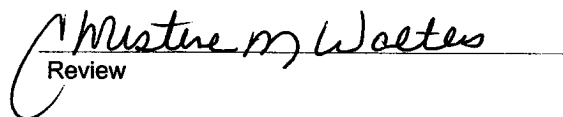
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	49.8	250	299	99.9%	75 - 125%
Diesel Range C10 - C28	318	250	567	99.8%	75 - 125%

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: QA/QC for Samples 39332 - 39334, 39337 - 39342


Analyst


Review

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams Production	Project #:	04108-003-1810
Sample ID:	Rosa 170 : BGT	Date Reported:	12-01-06
Laboratory Number:	39338	Date Sampled:	11-29-06
Chain of Custody:	1810	Date Received:	11-30-06
Sample Matrix:	Soil	Date Analyzed:	12-01-06
Preservative:	Cool	Date Extracted:	12-01-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.3	1.8
Toluene	7.5	1.7
Ethylbenzene	15.8	1.5
p,m-Xylene	56.8	2.2
o-Xylene	22.0	1.0
Total BTEX	104	

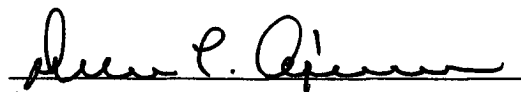
ND - Parameter not detected at the stated detection limit.

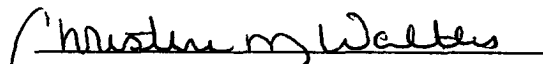
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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: Rosa 170


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	12-01-BTEX QA/QC	Date Reported:	12-01-06
Laboratory Number:	39329	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-01-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	3.9754E+007	3.9834E+007	0.2%	ND	0.2
Toluene	6.0213E+007	6.0334E+007	0.2%	ND	0.2
Ethylbenzene	2.8486E+007	2.8543E+007	0.2%	ND	0.2
p,m-Xylene	1.1479E+008	1.1502E+008	0.2%	ND	0.2
o-Xylene	5.5267E+007	5.5378E+007	0.2%	ND	0.1

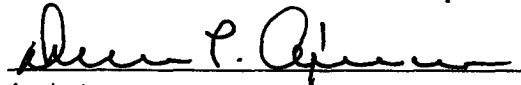
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	2.8	2.8	0.0%	0 - 30%	1.8
Toluene	8.8	8.8	0.0%	0 - 30%	1.7
Ethylbenzene	7.6	7.5	1.3%	0 - 30%	1.5
p,m-Xylene	26.8	26.7	0.4%	0 - 30%	2.2
o-Xylene	12.2	12.1	0.8%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2.8	50.0	52.7	99.8%	39 - 150
Toluene	8.8	50.0	58.7	99.8%	46 - 148
Ethylbenzene	7.6	50.0	57.5	99.8%	32 - 160
p,m-Xylene	26.8	100	126	99.7%	46 - 148
o-Xylene	12.2	50.0	62.1	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 39329 - 39330, 39332, 39337 - 39338, 39342


Analyst


Review

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