

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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144
June 1, 2004

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 ☒

REVISED DEC 15 2006

OIL CONG. 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 109** API #: **30-039-23520** U/L or Qtr/Qtr **M** Sec **9** T **31N** R **05W**
County: **Rio Arriba** Latitude _____ Longitude _____ NAD: 1927 ☐ 1983 ☒
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
Type: Drilling ☐ Production ☒ Disposal ☐ Workover ☐ Emergency ☐ Lined ☐ Unlined ☐ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl	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 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)
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet ✓ 200 ft or more, but less than 1000 feet 1000 feet or more	(20 points) ✓ (10 points) (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 to be taken out of service. No release discovered.
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: **12/14/06**

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.

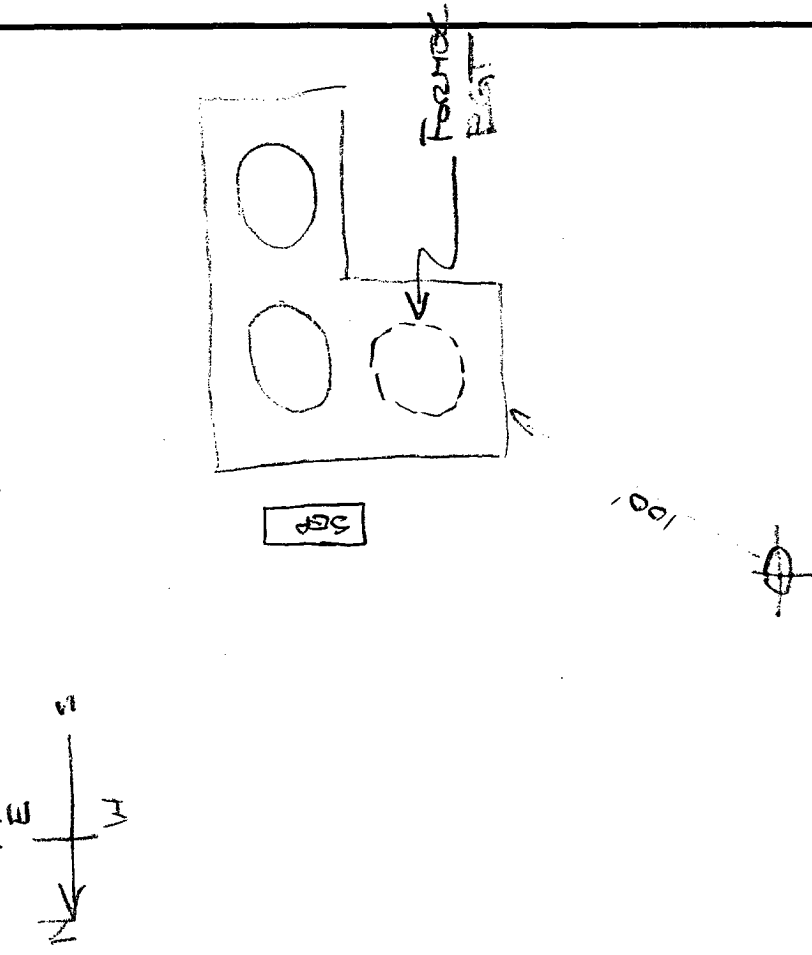
Approval: **DEPUTY OIL & GAS INSPECTOR, DIST. 3**
Printed Name/Title _____

Signature **Brenda Pull** Date: **DEC 15 2006**

Date: 12/7/06Inspector: JAMES D.

Location: # <u>ROSA 109</u>		
Unit Letter: _____	Sec. _____ Twn. _____ Rng. _____	
Lat: _____	Long: _____	
Reference: Wellhead _____ Footage: <u>100</u>		
Direction: N or <u>S</u>	Degrees <u>40</u> or W	
Original Pit Construction (Circle): <u>Fiberglass</u> / Steel single-wall		
Replacement Pit (Circle): SGT / Double-Btm Steel <u>None</u>		
Comments (Note if samples taken and if contamination is suspected): <u>SAMPLED BELOW FIBERGLASS PIT.</u>		
Sample ID	Description	Field Reading
1		
2		
3		
4		
5		
6		
7		
8		

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



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

December 12, 2006

Williams Production
Mr. Myke Lane
P.O. Box 640
Aztec, NM 87410

Phone: (505) 634-4219

Fax: (505) 634-4214

Client No.: 04108-003

Dear Mr. Lane,

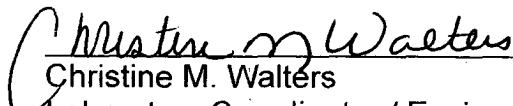
Enclosed are the analytical results for the sample collected from the location designated as "Rosa 109". One soil sample was collected by Williams Production personnel 12/07/06 and were received by the Envirotech laboratory on 12/11/06 for BTEX per USEPA Method 8021 and Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015.

The sample was documented on Envirotech Chain of Custody No. 1841 and assigned Laboratory No. 39442 (Rosa 109) for tracking purposes.

The sample was analyzed on 12/12/06 using USEPA or equivalent methods.

Should you have any questions or require additional information, please do not hesitate to contact us at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.


Christine M. Walters
Laboratory Coordinator / Environmental Scientist

enc.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

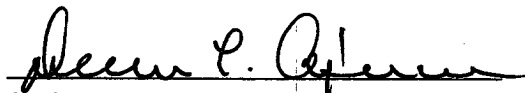
Client:	Williams Prod.	Project #:	04108-003
Sample ID:	Rosa 109	Date Reported:	12-12-06
Laboratory Number:	39442	Date Sampled:	12-07-06
Chain of Custody No:	1841	Date Received:	12-11-06
Sample Matrix:	Soil	Date Extracted:	12-11-06
Preservative:	Cool	Date Analyzed:	12-12-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

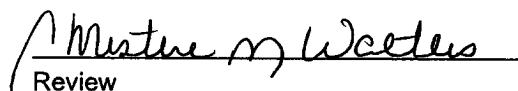
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 109**


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:	12-12-06 QA/QC	Date Reported:	12-12-06
Laboratory Number:	39438	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-12-06
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	9.9864E+002	9.9964E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.9106E+002	9.9305E+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

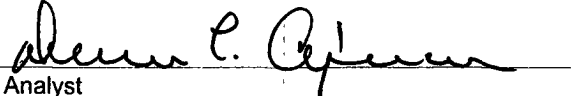
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	0.3	0.3	0.0%	0 - 30%

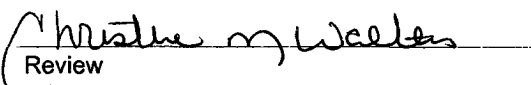
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	0.3	250	250	99.9%	75 - 125%

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 39438, 39440 - 39442


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams Prod.	Project #:	04108-003
Sample ID:	Rosa 109	Date Reported:	12-12-06
Laboratory Number:	39442	Date Sampled:	12-07-06
Chain of Custody:	1841	Date Received:	12-11-06
Sample Matrix:	Soil	Date Analyzed:	12-12-06
Preservative:	Cool	Date Extracted:	12-11-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	7.6	1.8
Toluene	1.8	1.7
Ethylbenzene	11.0	1.5
p,m-Xylene	51.3	2.2
o-Xylene	35.0	1.0
Total BTEX	107	

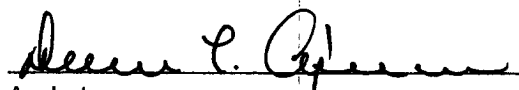
ND - Parameter not detected at the stated detection limit.

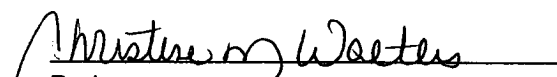
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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: Rosa 109


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	12-12-BTEX QA/QC	Date Reported:	12-12-06
Laboratory Number:	39438	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-12-06
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	5.2656E+007	5.2761E+007	0.2%	ND	0.2
Toluene	9.1322E+007	9.1505E+007	0.2%	ND	0.2
Ethylbenzene	4.5899E+007	4.5991E+007	0.2%	ND	0.2
p,m-Xylene	1.7140E+008	1.7174E+008	0.2%	ND	0.2
o-Xylene	8.9608E+007	8.9788E+007	0.2%	ND	0.1

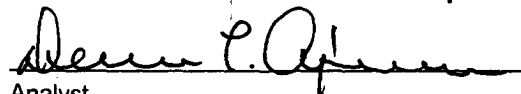
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	3.3	3.3	0.0%	0 - 30%	1.7
Ethylbenzene	9.1	9.1	0.0%	0 - 30%	1.5
p,m-Xylene	55.6	55.5	0.2%	0 - 30%	2.2
o-Xylene	46.8	46.7	0.2%	0 - 30%	1.0

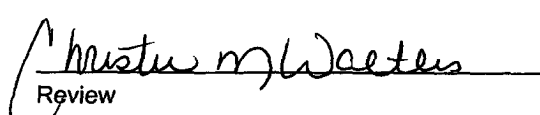
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	3.3	50.0	53.2	99.8%	46 - 148
Ethylbenzene	9.1	50.0	59.0	99.8%	32 - 160
p,m-Xylene	55.6	100	155	99.9%	46 - 148
o-Xylene	46.8	50.0	96.6	99.8%	46 - 148

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 39438, 39440 - 39442


Analyst


Review

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