

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>Williams Production Co., LLC</u> Telephone: <u>505-634-4219</u> e-mail address: <u>myke.lane@williams.com</u>		
Address: <u>POB 640, Aztec, NM 87410</u>		
Facility or well name: <u>Rosa 167B</u> API #: <u>30-045-0816</u> U/L or Qtr/Qtr <u>B</u> Sec <u>8</u> T <u>31N</u> R <u>06W</u>		
County: <u>San Juan</u> Latitude _____ Longitude _____ NAD: 1927 <input type="checkbox"/> 1983 <input checked="" 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 _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl	Below-grade tank Volume: <u>120</u> bbl Type of fluid: <u>Produced Water</u> Construction material: <u>Fiberglass with Plastic Liner</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	(20 points)
	50 feet or more, but less than 100 feet ✓ 100 feet or more	(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	(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 1000 feet or more	✓ (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:
Replace Fiberglass BGT with SGT steel tank. Composite soil sample collected following removal of tank and liner 6/9/2008.
See attached site diagram and soil sample results.
RCVD JUN 20 '08 OIL CONS. DIV. DIST. 3

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: 6/18/08

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

Signature [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.

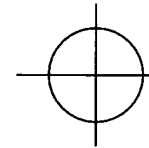
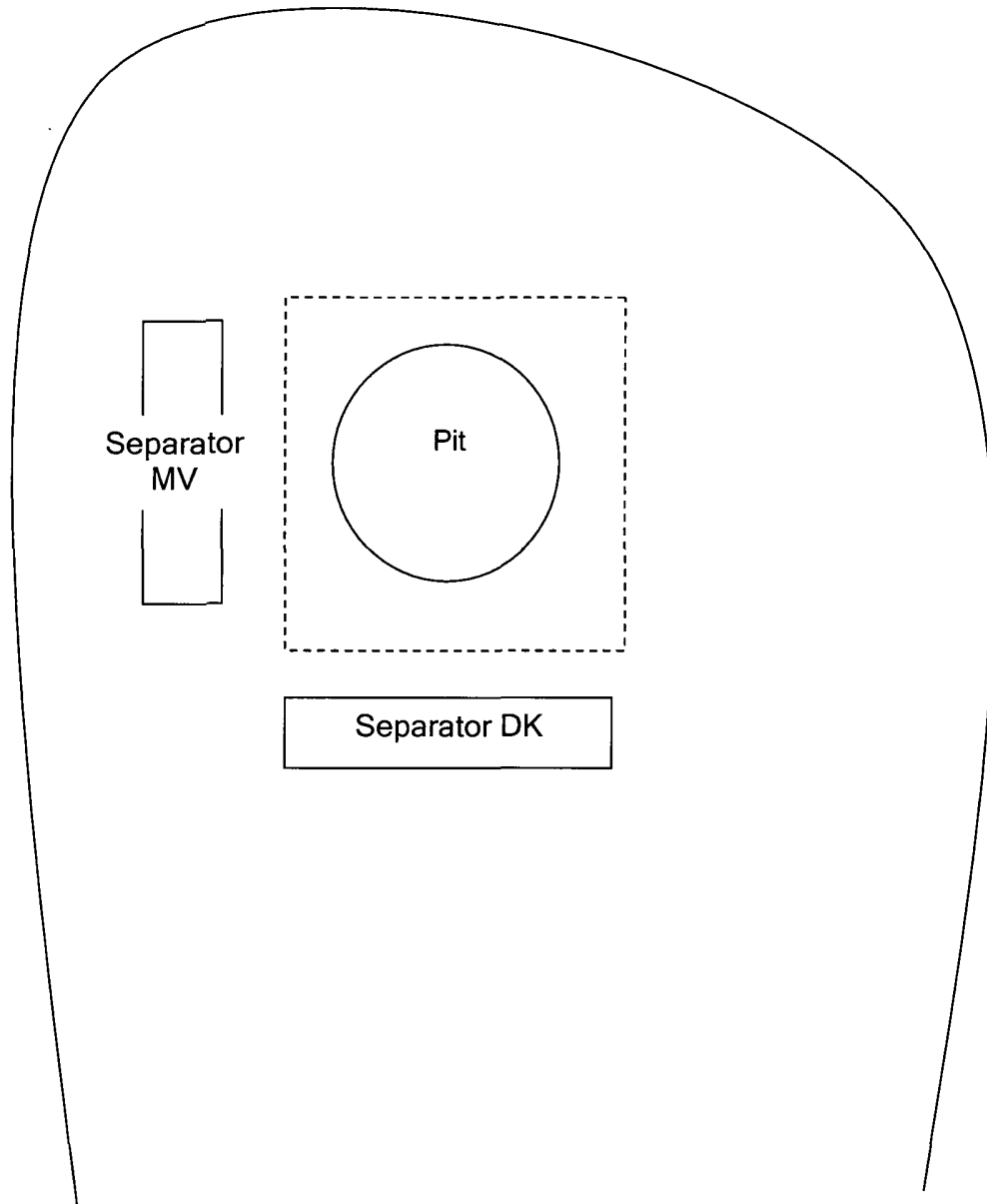
ACCEPTED FOR RECORD

Approval:

Printed Name/Title _____

Signature _____

Date: _____



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

June 10, 2008

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,

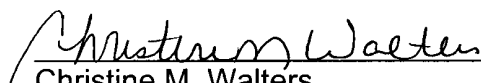
Enclosed are the analytical results for the sample collected from the location designated as "Rosa 167B". One soil sample was collected by Williams Production personnel on 6/04/08 and was received by the Envirotech laboratory on 6/05/08 for BTEX per USEPA Method 8021, Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015 and Chloride analysis.

The sample was documented on Envirotech Chain of Custody No. 4539 and assigned Laboratory No. 45765 for tracking purposes.

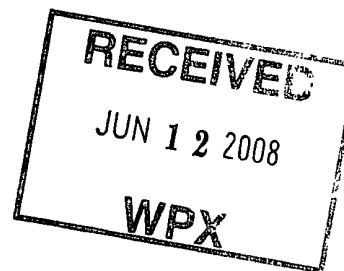
The sample was analyzed on 6/05/08 - 6/09/08 using USEPA or equivalent methods.

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
Lab Manager

enc.



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

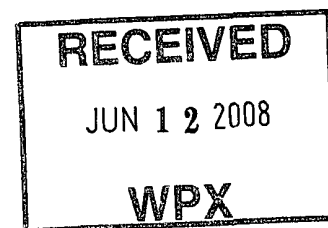
Client:	Williams Prod.	Project #:	04108-0003
Sample ID:	Rosa 167 B	Date Reported:	06-09-08
Laboratory Number:	45765	Date Sampled:	06-04-08
Chain of Custody No:	4539	Date Received:	06-05-08
Sample Matrix:	Soil	Date Extracted:	06-06-08
Preservative:	Cool	Date Analyzed:	06-09-08
Condition:	Intact	Analysis Requested:	8015 TPH

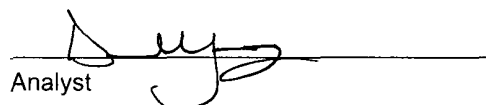
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

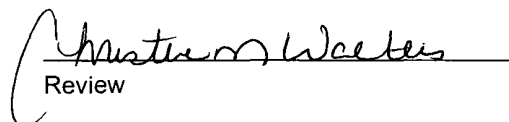
ND - Parameter not detected at the stated detection limit.

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

Comments: Rosa 167 B




Analyst


Review

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EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-09-08 QA/QC	Date Reported:	06-09-08
Laboratory Number:	45770	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-09-08
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0041E+003	1.0046E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0093E+003	1.0097E+003	0.04%	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	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100%	75 - 125%
Diesel Range C10 - C28	ND	250	244	97.6%	75 - 125%

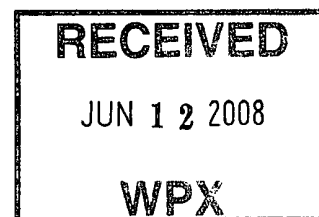
ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 45764 - 45766, 45768, and 45770 - 45775.

Analyst 

Review 



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EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams Production	Project #:	04108-0003
Sample ID:	Rosa 167B	Date Reported:	06-10-08
Laboratory Number:	45765	Date Sampled:	06-04-08
Chain of Custody:	4539	Date Received:	06-05-08
Sample Matrix:	Soil	Date Analyzed:	06-09-08
Preservative:	Cool	Date Extracted:	06-06-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.6	0.9
Toluene	4.0	1.0
Ethylbenzene	2.0	1.0
p,m-Xylene	1.9	1.2
o-Xylene	1.7	0.9
Total BTEX	12.2	

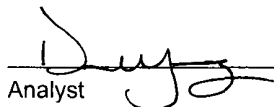
ND - Parameter not detected at the stated detection limit.

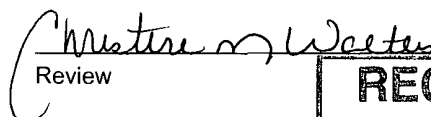
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

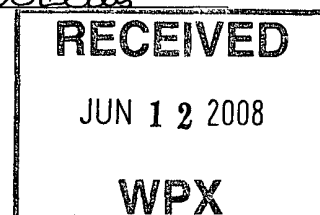
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Rosa 167B


Analyst


Review



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PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	06-09-BT QA/QC	Date Reported:	06-10-08
Laboratory Number:	45770	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-09-08
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	2.9127E+007	2.9186E+007	0.2%	ND	0.1
Toluene	2.3211E+007	2.3258E+007	0.2%	ND	0.1
Ethylbenzene	1.6849E+007	1.6883E+007	0.2%	ND	0.1
p,m-Xylene	3.6519E+007	3.6592E+007	0.2%	ND	0.1
o-Xylene	1.5736E+007	1.5767E+007	0.2%	ND	0.1

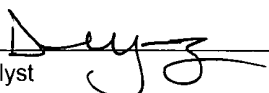
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	2.7	2.7	0.0%	0 - 30%	0.9
Toluene	2.9	2.7	6.9%	0 - 30%	1.0
Ethylbenzene	1.1	1.0	9.1%	0 - 30%	1.0
p,m-Xylene	3.3	3.1	6.1%	0 - 30%	1.2
o-Xylene	2.2	2.1	4.5%	0 - 30%	0.9

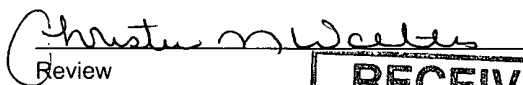
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	2.7	50.0	52.6	99.8%	39 - 150
Toluene	2.9	50.0	52.5	99.2%	46 - 148
Ethylbenzene	1.1	50.0	50.9	99.6%	32 - 160
p,m-Xylene	3.3	100	98.3	95.2%	46 - 148
o-Xylene	2.2	50.0	51.9	99.4%	46 - 148

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 45764 - 45766, 45768, and 45770 - 45775.

Analyst 

Review 

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Chloride

Client:	Williams Prod	Project #:	04108-0003
Sample ID:	Rosa 167B	Date Reported:	06-10-08
Lab ID#:	45765	Date Sampled:	06-04-08
Sample Matrix:	Soil	Date Received:	06-05-08
Preservative:	Cool	Date Analyzed:	06-06-08
Condition:	Intact	Chain of Custody:	4539

Parameter

Concentration (mg/Kg)

Total Chloride

10.0

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Analyst

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WPX

4539

san juan reproduction 578-129