

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


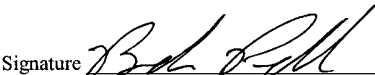
Is pit or below-grade tank covered by a "general plan"? Yes ☐ No ☒

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

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 181</u> API #: <u>30-039-26463</u> U/L or Qtr/Qtr <u>H</u> Sec <u>10</u> T <u>31N</u> R <u>06W</u>		
County: <u>Rio Arriba</u> Latitude <u>36.91319</u> Longitude <u>-107.43581</u> 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"/>		
RCVD OCT 29 '07		
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 <u> </u> mil Clay <input type="checkbox"/> Pit Volume <u> </u> bbl	Below-grade tank Volume: <u>100</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. <u> </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 ✓ 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	✓ (10 points)
	1000 feet or more	(0 points)
Ranking Score (Total Points)		10

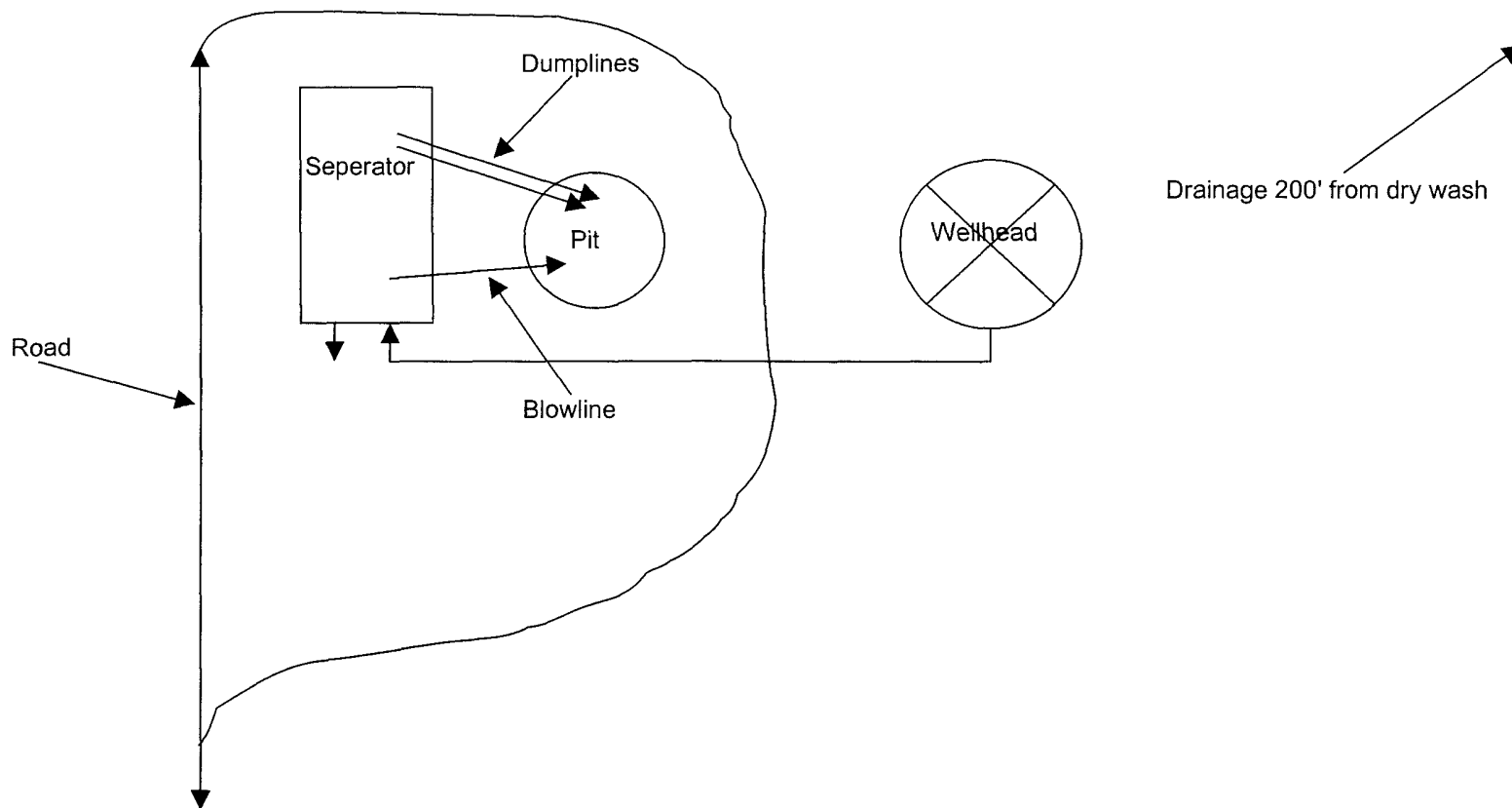
If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility . (3) Attach a general description of remedial 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:
Replace Fiberglass BGT with SGT steel tank. Composite soil sample collected following removal of tank and liner 10/16/06.
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 <input checked="" type="checkbox"/> , a general permit <input checked="" type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		
Date: <u> </u>	Printed Name/Title <u>Michael K. Lane/EH&S Specialist</u> Signature <u></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.		
Deputy Oil & Gas Inspector, District #3		
Approval: Printed Name/Title <u> </u>	Signature <u></u>	Date: <u>NOV 28 2007</u>



Williams Production
Rosa #181 MV
Section: 11 Township: 31-N Range: 6-W
County: Rio Arriba



ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

October 19, 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,

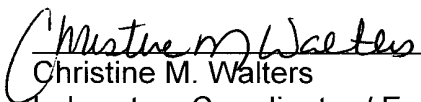
Enclosed are the analytical results for the sample collected from the location designated as "Rosa #181". One soil sample was collected by Williams Production personnel 10/16/06 and were received by the Envirotech laboratory on 10/17/06 for BTEX per USEPA Method 8021 and Total Petroleum Hydrocarbons (TPH) per USEPA Method 8015.

The sample was documented on Envirotech Chain of Custody No. 1600 and assigned Laboratory No. 38868 (Rosa #181) for tracking purposes.

The sample was analyzed on 10/18/06 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.

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PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

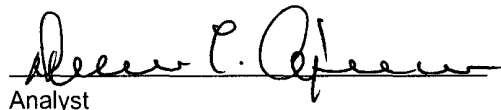
Client:	Williams Production	Project #:	04108-003
Sample ID:	Rosa #181	Date Reported:	10-18-06
Laboratory Number:	38868	Date Sampled:	10-16-06
Chain of Custody No:	1600	Date Received:	10-17-06
Sample Matrix:	Soil	Date Extracted:	10-17-06
Preservative:	Cool	Date Analyzed:	10-18-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

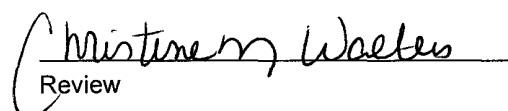
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 #181**


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:	10-18-06 QA/QC	Date Reported:	10-18-06
Laboratory Number:	38866	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-18-06
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	1.0076E+003	1.0087E+003	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.9027E+002	9.9226E+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

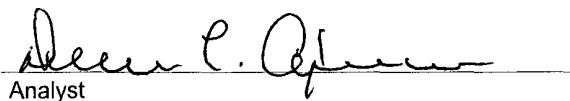
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

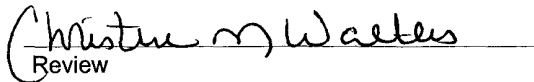
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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 38866 - 38868, 38871 - 38875


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams Production	Project #:	04108-003
Sample ID:	Rosa #181	Date Reported:	10-18-06
Laboratory Number:	38868	Date Sampled:	10-16-06
Chain of Custody:	1600	Date Received:	10-17-06
Sample Matrix:	Soil	Date Analyzed:	10-18-06
Preservative:	Cool	Date Extracted:	10-17-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	3.1	1.5
p,m-Xylene	9.6	2.2
o-Xylene	ND	1.0
Total BTEX	12.7	

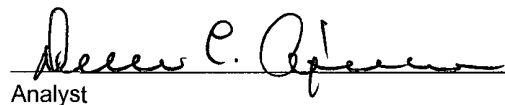
ND - Parameter not detected at the stated detection limit.

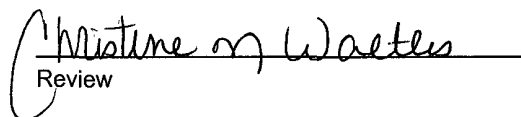
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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 #181


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	10-18-BTEX QA/QC	Date Reported:	10-18-06
Laboratory Number:	38866	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-18-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	4.6616E+007	4.6709E+007	0.2%	ND	0.2
Toluene	6.3380E+007	6.3507E+007	0.2%	ND	0.2
Ethylbenzene	2.7582E+007	2.7637E+007	0.2%	ND	0.2
p,m-Xylene	1.1511E+008	1.1534E+008	0.2%	ND	0.2
o-Xylene	5.1933E+007	5.2037E+007	0.2%	ND	0.1

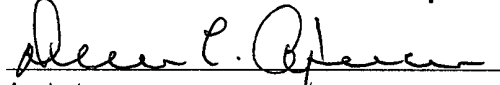
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

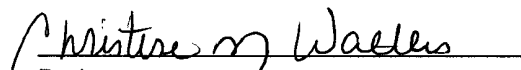
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.8%	32 - 160
p,m-Xylene	ND	100	99.9	99.9%	46 - 148
o-Xylene	ND	50.0	50.0	100.0%	46 - 148

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 38866 - 38868, 38872, 38875


Analyst


Review

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