

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 169</u> API #: <u>30-039-26130</u> U/L or Qtr/Qtr <u>J</u> Sec <u>3</u> T <u>31N</u> R <u>06W</u>		
County: <u>Rio Arriba</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 08/24/07.
See attached site diagram and soil sample results.
RCVD JUN 20 '08
OIL CONS. DIV.
DIST. 3

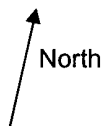
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved 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.

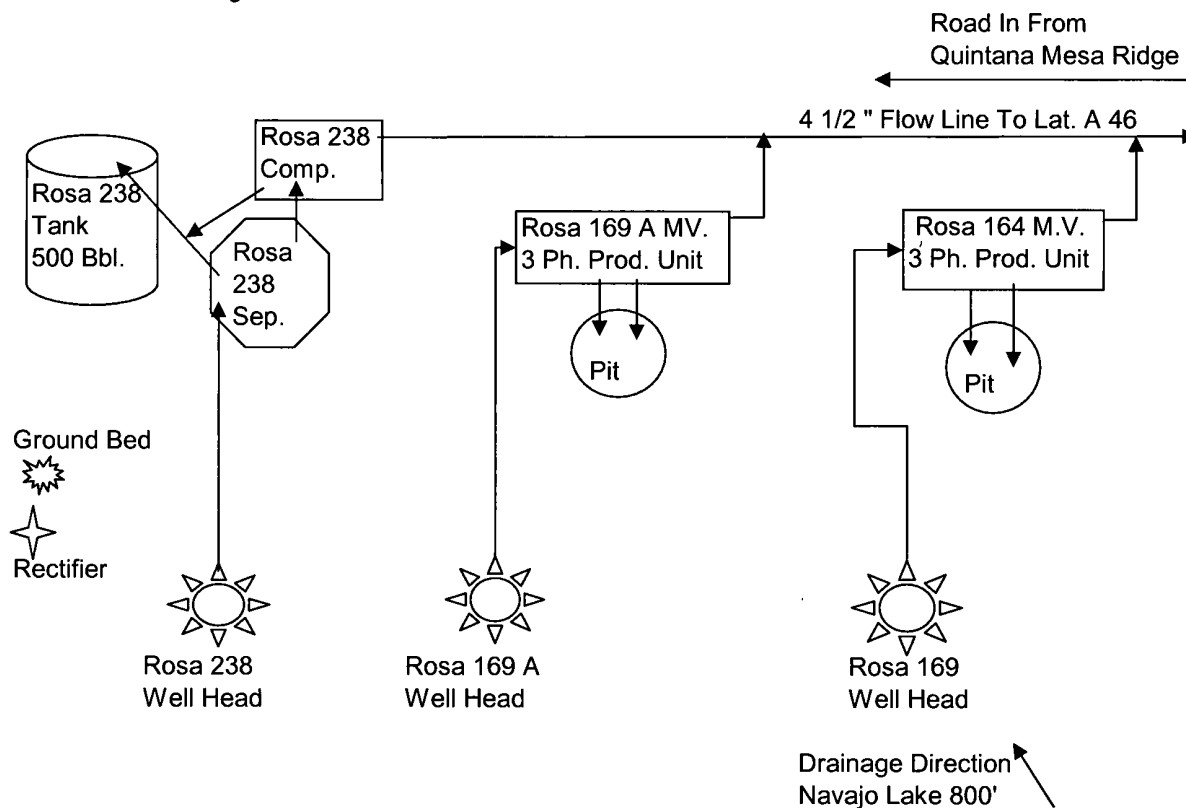
ACCEPTED FOR RECORD

Approval:
Printed Name/Title _____ Signature _____ Date: _____



Williams Production Company
Rosa 169 M.V. St # 8269501
Sec . 3 (J) T31N R6W 2460' FSL 1695' FEL
Rio Arriba County N.M.

Note Sign On Location Sec.3 T31N R6W 2375' FSL 1750' FEL



Rosa 169 Sep. Pesco 3 Ph. Ser.# 203757 Yr Year 1999

Rosa 169A Sep. Pesco 3 Ph. Ser. # 203755 Year 1999

Rosa 238 Equipment ?

Rosa 169 Pit 120 Bbl. Fiberglass Lined & Leak Detection

Rosa 169 A Pit 120 Bbl. Fiberglass Lined & Leak Detection

Rectifier J A Electronic 180/240 Volt Ser. # 2000104 Servicing All Well Heads 169, 169 A & 238

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Williams E & P	Project #:	04108-003
Sample ID:	Rosa 169	Date Reported:	04-14-08
Laboratory Number:	44890	Date Sampled:	04-03-08
Chain of Custody No:	4191	Date Received:	04-10-08
Sample Matrix:	Soil	Date Extracted:	04-11-08
Preservative:		Date Analyzed:	04-14-08
Condition:	Intact	Analysis Requested:	8015 TPH

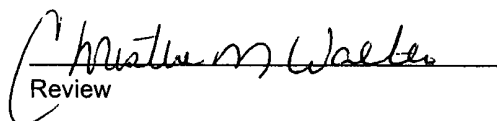
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 169.**


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:	04-14-08 QA/QC	Date Reported:	04-14-08
Laboratory Number:	44880	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-14-08
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	9.9482E+002	9.9522E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9744E+002	9.9784E+002	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	15.6	15.5	0.6%	0 - 30%
Diesel Range C10 - C28	17.7	17.6	0.6%	0 - 30%

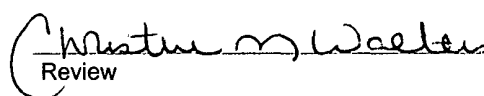
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	15.6	250	262	98.5%	75 - 125%
Diesel Range C10 - C28	17.7	250	267	99.6%	75 - 125%

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 44880, 44886, 44890 - 44892 and 44905 - 44907.

Analyst 

Review 

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams E & P	Project #:	04108-003
Sample ID:	Rosa 169	Date Reported:	04-14-08
Laboratory Number:	44890	Date Sampled:	04-03-08
Chain of Custody:	4191	Date Received:	04-10-08
Sample Matrix:	Soil	Date Analyzed:	04-14-08
Preservative:		Date Extracted:	04-11-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

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 169.

Analyst

Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-14-BTEX QA/QC	Date Reported:	04-14-08
Laboratory Number:	44880	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-14-08
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	5.5283E+007	5.5394E+007	0.2%	ND	0.1
Toluene	4.5689E+007	4.5780E+007	0.2%	ND	0.1
Ethylbenzene	3.5300E+007	3.5371E+007	0.2%	ND	0.1
p,m-Xylene	6.8904E+007	6.9042E+007	0.2%	ND	0.1
o-Xylene	3.2981E+007	3.3048E+007	0.2%	ND	0.1

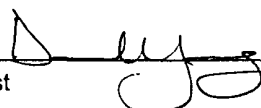
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	33.1	33.0	0.3%	0 - 30%	0.9
Toluene	363	362	0.3%	0 - 30%	1.0
Ethylbenzene	4.5	4.5	0.0%	0 - 30%	1.0
p,m-Xylene	714	712	0.2%	0 - 30%	1.2
o-Xylene	199	198	0.2%	0 - 30%	0.9

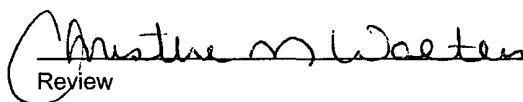
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	33.1	50.0	83.0	99.9%	39 - 150
Toluene	363	50.0	412	99.8%	46 - 148
Ethylbenzene	4.5	50.0	53.9	98.9%	32 - 160
p,m-Xylene	713	100	802	98.7%	46 - 148
o-Xylene	199	50.0	247	99.4%	46 - 148

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 44880, 44886 - 44887 and 44890 - 44892.

Analyst 

Review 

ENVIROTECH LABS

Practical Solutions For A Better Tomorrow

Chloride

Client:	Williams E & P	Project #:	04108-003
Sample ID:	Rosa 169	Date Reported:	04-14-08
Lab ID#:	44890	Date Sampled:	04-03-08
Sample Matrix:	Soil	Date Received:	04-10-08
Preservative:		Date Analyzed:	04-14-08
Condition:	Intact	Chain of Custody:	4191

Parameter	Concentration (mg/Kg)
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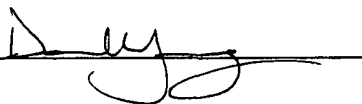
Total Chloride

22.0

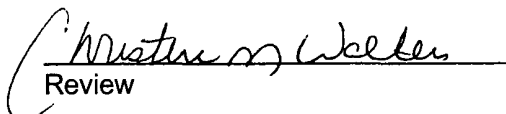
Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Rosa 169.**

Analyst



Review



CHAIN OF CUSTODY RECORD

4191

Client: Williams E+P			Project Name / Location: Rosa 1169				ANALYSIS / PARAMETERS												
Client Address: 721 S. Main			Sampler Name: Sierra Oilfield				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	XCL	Sample Cool	Sample Intact	
Client Phone No.: 505-1234-4241			Client No.: 04108-003																
Sample No / Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No / Volume of Containers	Preservative H ₂ O ₂ / HNO ₃													
Rosa 1169	4/13/08	12:00	44890	soil	14oz			X	X									X	
Relinquished by: (Signature) <i>Natasha Meador</i>						Date 4/10/08		Time 14:00		Received by: (Signature) <i>[Signature]</i>						Date 4/10/08		Time 14:00	
Relinquished by: (Signature)										Received by: (Signature)									
Relinquished by: (Signature)										Received by: (Signature)									
<div style="display: flex; justify-content: space-between; align-items: center;"> Results to myke Lane <div style="text-align: center;"> ENVIROTECH INC. <div style="width: 150px; height: 10px; background-color: black; margin: 0 auto;"></div> </div> </div> <p>5796 U.S. Highway 64 • Farmington, New Mexico 87401 • (505) 632-0615</p>																			