

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: 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 102 API #: 30-039-23359 U/L or Qtr/Qtr I Sec 30 T 31N R 05W  
County: Rio Arriba Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☐ 1983 ☒  
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

<b>Pit</b> 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	<b>Below-grade tank</b> 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	(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)
<b>Ranking Score (Total Points)</b>		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:
<b>Replace Fiberglass BGT with SGT steel tank. Composite soil sample collected following removal of tank and liner 8/15/2005.</b>
<b>See attached site diagram and soil sample results.</b>

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 type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		
Date: <u>12/2/07</u>		
Printed Name/Title <u>Michael K. Lane/EH&amp;S Specialist</u>	Signature <u>[Signature]</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.		
Approval: <u>Deputy Oil &amp; Gas Inspector,</u>		
Printed Name/Title <u>District #3</u>	Signature <u>[Signature]</u>	Date: <u>JAN 07 2008</u>

EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

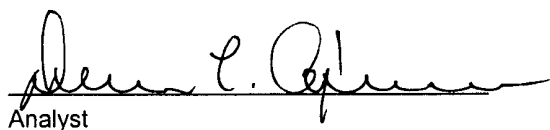
Client:	Williams Production	Project #:	04108-003
Sample ID:	RU102 - BGT	Date Reported:	08-22-05
Laboratory Number:	34101	Date Sampled:	08-15-05
Chain of Custody No:	14443	Date Received:	08-19-05
Sample Matrix:	Soil	Date Extracted:	08-20-05
Preservative:	Cool	Date Analyzed:	08-22-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

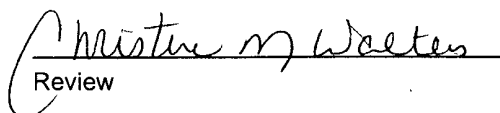
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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 #102.

  
Analyst

  
Review

Client:	Williams Production	Project #:	04108-003
Sample ID:	RU102 - BGT	Date Reported:	08-22-05
Laboratory Number:	34101	Date Sampled:	08-15-05
Chain of Custody:	14443	Date Received:	08-19-05
Sample Matrix:	Soil	Date Analyzed:	08-22-05
Preservative:	Cool	Date Extracted:	08-20-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	2.1
Toluene	ND	1.8
Ethylbenzene	ND	1.7
p,m-Xylene	ND	1.5
o-Xylene	ND	2.2
Total BTEX	ND	

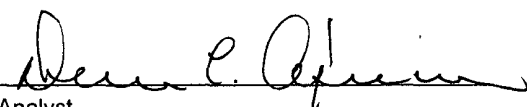
ND - Parameter not detected at the stated detection limit.

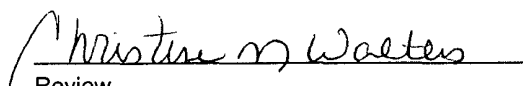
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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.

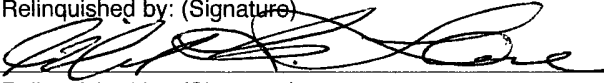
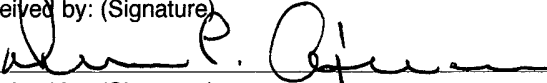
Comments: Rosa #102.

  
Analyst

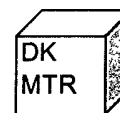
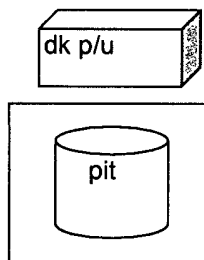
  
Review

# CHAIN OF CUSTODY RECORD

14443

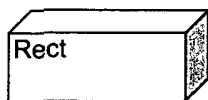
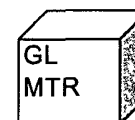
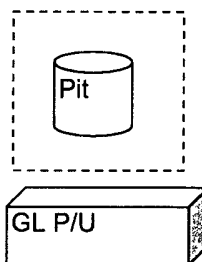
Client / Project Name <b>Williams Production</b>			Project Location <b>Rosa #102</b>		ANALYSIS / PARAMETERS							
Sampler: <b>JAMES BEARLY</b>			Client No. <b>04108-003</b>		No. of Containers <b>1</b>	BTEX <b>✓</b>	TPH <b>✓</b>					Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
<b>R0102-BGT</b>	<b>8/15</b>	<b>1500</b>	<b>34101</b>	<b>Soil</b>								
Relinquished by: (Signature) 			Date <b>8/19/05</b>	Time <b>11:15</b>	Received by: (Signature) 						Date <b>8/19/05</b>	Time <b>11:15</b>
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							
<b>ENVIROTECH INC.</b> 5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615					Sample Receipt							
						Y	N	N/A				
					Received Intact	✓						
					Cool - Ice/Blue Ice	✓						

ROSA 102 GL/DK



Road

ROAD



Location: ROSA #102 GL/TA  
Footages: 1790 FSL 900 FEL  
Unit Letter: \_\_\_\_\_ Sec. 30 Twn. 31N Rng 5W  
Lat: 36° 52.095 N Long: 107° 23.869 W  
Lease Num. SF-078764 Land Type: \_\_\_\_\_

Pit Type: \_\_\_\_\_

Pit Reference

Reference: \_\_\_\_\_ Wellhead \_\_\_\_\_ Footage: 50'Direction: (N) or S 94° Degrees E or W

Initial size: \_\_\_\_\_

Final Size: \_\_\_\_\_

Total Cubic Yards: \_\_\_\_\_

Distances from (ft): \_\_\_\_\_ points

Groundwater: \_\_\_\_\_

Wellhead Protection Area: \_\_\_\_\_

Nearest Surface Water: \_\_\_\_\_

Distance to ephemeral stream: \_\_\_\_\_

(Navajo/Jicarilla only)

Ranking Score (points): \_\_\_\_\_

Sample ID	Description	Field Reading
1		
2		
3		
4		
5		
6		
7		
8		

Comments:

Tests:

Site Diagram:

