

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 NMOC 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: 970-563-3319 e-mail address: myke.lane@williams.com  
Address: 999 Goddard Ave, Ignacio, CO 81137  
Facility or well name: Rosa 165 API #: 30-039-26070 U/L or Qtr/Qtr F Sec 25 T 31N R 06W  
County: San Juan Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☐ 1983 ☒  
Surface Owner: Federal ☒ State ☐ Private ☐ Indian ☐

Pit	Below-grade tank	
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	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)
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 failed. Minor release discovered associated with incidental over spills when replacing tank. As BGT to be taken out of service, collected soil samples of excavation bottom before backfilling. Soil remediation with onsite landfarm complete.**

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 NMOC District guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 5/9/05

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

Your certification and NMOC District 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. 08

Printed Name/Title \_\_\_\_\_

Signature \_\_\_\_\_

Date: MAY 10 2005

<b>Location:</b> <u>Rosa 165</u> <b>Footages:</b> <u>1655' ENL / 1850' FUL</u> <b>Unit Letter:</b> <u>F</u> <b>Sec.</b> <u>25</u> <b>Twn.</b> <u>31N</u> <b>Rng</b> <u>6W</u>		<b>Site Diagram:</b> 	
<b>Lease Num.</b> <u>SF-078766</u> <b>Long:</b> _____ <b>Land Type:</b> _____			
<b>Pit Type:</b> <u>BAT - REMOVAL</u>			
<b>Pit Reference</b> _____			
<b>Reference:</b> <b>Wellhead</b> _____ <b>Footage:</b> <u>55'</u> <b>Direction:</b> <u>N or 15°</u> <b>Degrees</b> <u>(E)</u> <b>or W</b>			
<b>Initial size:</b> <u>25' x 25'</u>		<b>Initial size:</b> _____	
<b>Final Size:</b> _____		<b>Final Size:</b> _____	
<b>Total Cubic Yards:</b> <u>424</u>		<b>Total Cubic Yards:</b> _____	
<b>Distances from (ft):</b>		<b>points</b>	
<b>Groundwater:</b> <u>7100</u>		<u>0</u>	
<b>Wellhead Protection Area:</b> <u>7100</u>		<u>0</u>	
<b>Nearest Surface Water:</b> <u>&lt;100</u>		<u>10</u>	
<b>Distance to ephemeral stream:</b> <u>-</u>		<u>1</u>	
<b>(Navajo/Jicarilla only)</b>		<b>(Navajo/Jicarilla only)</b>	
<b>Ranking Score (points):</b> <u>10</u>		<b>Ranking Score (points):</b> _____	

  

Sample ID	Description	Field Reading
1	FLY/SM	N/A
2		
3		
4		
5		
6		
7		
8		

  

<b>Comments:</b> <u>BTEX/TPH</u> <u>COMPOSITE</u>		<b>W</b> <b>E</b> <b>S</b> <b>N</b>
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SAMPLES TAKEN 12 DEC. 2011 ~ 7:35

Tests: \_\_\_\_\_

612 E. Murray Drive  
Farmington, NM 87499

Off: (505) 327-1072  
FAX: (505) 327-1496

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P.O. Box 3788  
Shiprock, NM 87420

Off: (505) 368-4065

## ANALYTICAL REPORT

Date: 20-Apr-05

**CLIENT:** Williams - Exploration & Production  
**Work Order:** 0504012  
**Project:** Rosa 165  
**Lab ID:** 0504012-002A

**Client Sample Info:** Rosa 165  
**Client Sample ID:** Former BGT Pit  
**Collection Date:** 4/6/2005 12:15:00 PM  
**Matrix:** SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL AND OIL RANGE ORGANICS</b>		<b>SW8015B</b>		Analyst: JEM		
T/R Hydrocarbons: C10-C22	ND	25.0		mg/Kg	1	4/18/2005
T/R Hydrocarbons: C22-C36	ND	50.0		mg/Kg	1	4/18/2005
Surr: o-Terphenyl	90.9	23-171		%REC	1	4/18/2005
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>		Analyst: JEM		
Benzene	ND	25		µg/Kg	25	4/14/2005
Ethylbenzene	ND	25		µg/Kg	25	4/14/2005
m,p-Xylene	ND	50		µg/Kg	25	4/14/2005
Methyl tert-Butyl Ether	ND	250		µg/Kg	25	4/14/2005
o-Xylene	ND	25		µg/Kg	25	4/14/2005
Toluene	ND	50		µg/Kg	25	4/14/2005
Surr: 1,4-Difluorobenzene	89.4	75-110		%REC	25	4/14/2005
Surr: 4-Bromochlorobenzene	104	40-135		%REC	25	4/14/2005
Surr: Fluorobenzene	87.3	69-110		%REC	25	4/14/2005

**Qualifiers:** ND - Not Detected at the Practical Quantitation Limit  
J - Analyte detected below Practical Quantitation Limit  
B - Analyte detected in the associated Method Blank  
H - Parameter exceeded Maximum Allowable Holding Time

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted precision limits  
E - Value above Upper Quantitation Limit - UQL

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## ANALYTICAL REPORT

Date: 11-Feb-05

CLIENT: Williams - Exploration & Production

Client Sample Info: Rosa #165

Work Order: 0501050

Client Sample ID: Rosa #165 - BGT

Project: Rosa #165

Collection Date: 1/28/2005

Lab ID: 0501050-001A

Matrix: SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		SW8021B		Analyst: JEM		
Benzene	ND	25		µg/Kg	25	2/3/2005
Ethylbenzene	ND	25		µg/Kg	25	2/3/2005
m,p-Xylene	30	50	J	µg/Kg	25	2/3/2005
Methyl tert-Butyl Ether	ND	250		µg/Kg	25	2/3/2005
o-Xylene	ND	25		µg/Kg	25	2/3/2005
Toluene	ND	50		µg/Kg	25	2/3/2005
Surr: 1,4-Difluorobenzene	86.5	75-110		%REC	25	2/3/2005
Surr: 4-Bromochlorobenzene	109	40-135		%REC	25	2/3/2005
Surr: Fluorobenzene	76.5	69-110		%REC	25	2/3/2005

### Qualifiers:

ND - Not Detected at the Practical Quantitation Limit

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B - Analyte detected in the associated Method Blank

H - Parameter exceeded Maximum Allowable Holding Time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted precision limits

E - Value above Upper Quantitation Limit - UQL

**Hall Environmental Analysis Laboratory**

Date: 11-Feb-05

CLIENT: iina ba, Ltd

Client Sample ID: 0501050-001A

Lab Order: 0502066

Collection Date: 1/28/2005

Project: 0501050

**ROSA #165 - BGT**

Lab ID: 0502066-01

Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8015B: DIESEL RANGE ORGANICS</b>						Analyst: SCC
Diesel Range Organics (DRO)	13000	500		mg/Kg	50	2/10/2005 9:32:27 PM
Motor Oil Range Organics (MRO)	12000	2500		mg/Kg	50	2/10/2005 9:32:27 PM
Surr: DNOP	0	60-124	S	%REC	50	2/10/2005 9:32:27 PM

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

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## ANALYTICAL REPORT

Date: 20-Apr-05

**CLIENT:** Williams - Exploration & Production  
**Work Order:** 0504012  
**Project:** Rosa 165  
**Lab ID:** 0504012-001A

**Client Sample Info:** Rosa 165  
**Client Sample ID:** LF  
**Collection Date:** 4/6/2005 12:12:00 PM  
**Matrix:** SOIL

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
<b>DIESEL AND OIL RANGE ORGANICS</b>		<b>SW8015B</b>		Analyst: JEM		
T/R Hydrocarbons: C10-C22	ND	25.0		mg/Kg	1	4/18/2005
T/R Hydrocarbons: C22-C36	25	50.0	J	mg/Kg	1	4/18/2005
Surr: o-Terphenyl	96.3	23-171		%REC	1	4/18/2005
<b>AROMATIC VOLATILES BY GC/PID</b>		<b>SW8021B</b>		Analyst: JEM		
Benzene	ND	25		µg/Kg	25	4/14/2005
Ethylbenzene	ND	25		µg/Kg	25	4/14/2005
m,p-Xylene	ND	50		µg/Kg	25	4/14/2005
Methyl tert-Butyl Ether	ND	250		µg/Kg	25	4/14/2005
o-Xylene	ND	25		µg/Kg	25	4/14/2005
Toluene	ND	50		µg/Kg	25	4/14/2005
Surr: 1,4-Difluorobenzene	90.1	75-110		%REC	25	4/14/2005
Surr: 4-Bromochlorobenzene	106	40-135		%REC	25	4/14/2005
Surr: Fluorobenzene	87.2	69-110		%REC	25	4/14/2005

**Qualifiers:**  
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J - Analyte detected below Practical Quantitation Limit  
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