

District I  
1005 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  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.  
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

3802  
**Pit, Closed-Loop System, Below-Grade Tank, or  
Proposed Alternative Method Permit or Closure Plan Application**

Type of action: ☐ Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☒ Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  
☐ Modification to an existing permit  
☐ Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

**Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request**

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

Operator: Williams Production Co, LLC OGRID #: 120782  
Address: PO Box 640/721 So. Main, Aztec, NM 87410  
Facility or well name: Rosa Unit #311A  
API Number: 30-039-30441 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr: A Section: 33 Township: 31N Range: 04W County: Rio Arriba  
Center of Proposed Design: Latitude 36.86144 Longitude -107.25498 NAD ☐ 1927 ☒ 1983  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.

☒ **Pit:** Subsection F or G of 19.15.17.11 NMAC

Temporary ☒ Drilling ☐ Workover

☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A

☐ Lined ☒ Unlined Liner type: Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

☐ String-Reinforced

Liner Seams: ☐ Welded ☒ Factory ☐ Other \_\_\_\_\_ Volume: 20,000 bbl Dimensions: L 140' x W 30' x D 12'



3.

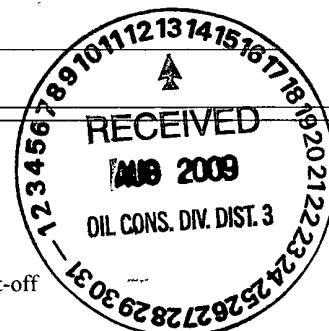
☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC

Type of Operation ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)

☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other \_\_\_\_\_

☐ Lined ☐ Unlined Liner type: Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

Liner Seams ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_



4.

☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_

Tank Construction material: \_\_\_\_\_

☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other \_\_\_\_\_

Liner type: Thickness \_\_\_\_\_ mil ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_

5.

☐ **Alternative Method:**

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.

**Fencing:** Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)

- ☐ Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
- ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
- ☒ Alternate. Please specify \_\_\_ per BLM APD Specifications \_\_\_

7.

**Netting:** Subsection E of 19.15 17 11 NMAC (*Applies to permanent pits and permanent open top tanks*)

- ☐ Screen ☐ Netting ☐ Other \_\_\_\_\_
- ☐ Monthly inspections (If netting or screening is not physically feasible)

8.

**Signs:** Subsection C of 19.15.17 11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19 15 3.103 NMAC

9.

**Administrative Approvals and Exceptions:**

Justifications and/or demonstrations of equivalency are required Please refer to 19.15.17 NMAC for guidance

**Please check a box if one or more of the following is requested, if not leave blank:**

- ☒ Administrative approval(s). Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.
- ☐ Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

10.

**Siting Criteria (regarding permitting):** 19.15.17.10 NMAC

**Instructions:** *The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.*

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map, Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

11.

**Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
- ☐ Previously Approved Design (attach copy of design)    API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12.

**Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
- ☐ Previously Approved Design (attach copy of design)    API Number: \_\_\_\_\_
- ☐ Previously Approved Operating and Maintenance Plan    API Number: \_\_\_\_\_ (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

13.

**Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14.

**Proposed Closure:** 19.15.17.13 NMAC**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

- Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Closed-loop System
- ☐ Alternative
- Proposed Closure Method: ☐ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☒ On-site Closure Method (Only for temporary pits and closed-loop systems)
- ☒ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15.

**Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16.

**Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)

**Instructions:** Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_  
 Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please provide the information below) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

17.

**Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC

**Instructions:** Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

- |   |   |
|---|---|
| Ground water is less than 50 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells   | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> NA |
| Ground water is between 50 and 100 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> NA |
| Ground water is more than 100 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> NA |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; Visual inspection (certification) of the proposed site  | <input type="checkbox"/> Yes <input type="checkbox"/> No                                |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image  | <input type="checkbox"/> Yes <input type="checkbox"/> No                                |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.<br>- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No                                |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality   | <input type="checkbox"/> Yes <input type="checkbox"/> No                                |
| Within 500 feet of a wetland.<br>- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site   | <input type="checkbox"/> Yes <input type="checkbox"/> No                                |
| Within the area overlying a subsurface mine.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division   | <input type="checkbox"/> Yes <input type="checkbox"/> No                                |
| Within an unstable area.<br>- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map   | <input type="checkbox"/> Yes <input type="checkbox"/> No                                |
| Within a 100-year floodplain.<br>- FEMA map   | <input type="checkbox"/> Yes <input type="checkbox"/> No                                |

18.

**On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

- ☒ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
☒ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC  
☒ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC  
☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  
☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
☒ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)  
☒ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
☒ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

**Operator Application Certification:**

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

20.

**OCD Approval:** ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: [Signature] Approval Date: 6/08/2012

**Deputy Oil & Gas Inspector,  
District #3**

Title: \_\_\_\_\_ OCD Permit Number: \_\_\_\_\_

21.

**Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

☒ Closure Completion Date: 6-26-09

22.

**Closure Method:**

☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)  
☐ If different from approved plan, please explain.

23.

**Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**

*Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.*

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

☐ Yes (If yes, please demonstrate compliance to the items below) ☐ No

*Required for impacted areas which will not be used for future service and operations:*

- ☐ Site Reclamation (Photo Documentation)  
☐ Soil Backfilling and Cover Installation  
☐ Re-vegetation Application Rates and Seeding Technique

24.

**Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- ☒ Proof of Closure Notice (surface owner and division)  
☒ Proof of Deed Notice (required for on-site closure)  
☒ Plot Plan (for on-site closures and temporary pits)  
☐ Confirmation Sampling Analytical Results (if applicable)  
☒ Waste Material Sampling Analytical Results (required for on-site closure)  
☒ Disposal Facility Name and Permit Number  
☒ Soil Backfilling and Cover Installation  
☒ Re-vegetation Application Rates and Seeding Technique  
☒ Site Reclamation (Photo Documentation)

On-site Closure Location: : Latitude 36.87262N Longitude -107.33406W NAD: ☐ 1927 ☒ 1983

25.

19.

**Operator Closure Certification:**

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): Michael K. Lane Title: Sr. EH & S Specialist

Signature: [Signature] Date: 6/13/09

e-mail address: myke.lane@williams.com Telephone: 505-634-4219

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-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

**OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company	WILLIAMS PRODUCTION, LLC	Contact	Myke Lane
Address	P.O. BOX 640, AZTEC, NM 87410	Telephone No.	(505) 634-4219
Facility Name	Rosa Unit #311A	Facility Type	Well Location

Surface Owner	Federal	Mineral Owner		Lease No.	
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	33	31N	04W					Rio Arriba

Latitude 36.86144 Longitude -107.25498

**NATURE OF RELEASE**

Type of Release	NA	Volume of Release	NA	Volume Recovered	NA
Source of Release	No Release	Date and Hour of Occurrence		Date and Hour of Discovery	
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?			
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.\* No Release

Describe Cause of Problem and Remedial Action Taken.\*

No action needed

Describe Area Affected and Cleanup Action Taken.\*

NA

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

**OIL CONSERVATION DIVISION**

Signature:



Printed Name: Michael K. Lane

Approved by District Supervisor:

Title: EH&S Specialist

Approval Date:

Expiration Date:

E-mail Address: myke.lane@williams.com

Conditions of Approval:

Attached ☐

Date: Phone: (505) 634-4219

\* Attach Additional Sheets If Necessary



**envirotech**  
Analytical Laboratory

**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

Client:	Williams Production	Project #:	04108-0003
Sample ID:	Reserve Pit	Date Reported:	07-06-09
Laboratory Number:	50747	Date Sampled:	06-29-09
Chain of Custody No:	7382	Date Received:	07-01-09
Sample Matrix:	Soil	Date Extracted:	07-01-09
Preservative:	Cool	Date Analyzed:	07-02-09
Condition:	Intact	Analysis Requested:	8015 TPH

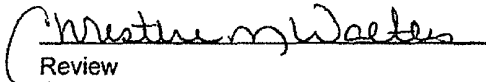
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.1	0.2
Diesel Range (C10 - C28)	7.5	0.1
Total Petroleum Hydrocarbons	11.6	0.2

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 Unit 311A.

  
Analyst

  
Review



EPA Method 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	07-02-09 QA/QC	Date Reported:	07-06-09
Laboratory Number:	50747	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-09
Condition:	N/A	Analysis Requested:	TPH

	Cal Date	Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	1.0631E+003	1.0635E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0908E+003	1.0912E+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	4.1	4.1	0.0%	0 - 30%
Diesel Range C10 - C28	7.5	7.5	0.0%	0 - 30%

Spike Conc (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	4.1	250	257	101%	75 - 125%
Diesel Range C10 - C28	7.5	250	252	97.7%	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 50744, 50747, and 50751 - 50758.

Analyst

Review





EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Williams Production	Project #:	04108-0003
Sample ID:	Reserve Pit	Date Reported:	07-06-09
Laboratory Number:	50747	Date Sampled:	06-29-09
Chain of Custody:	7382	Date Received:	07-01-09
Sample Matrix:	Soil	Date Analyzed:	07-02-09
Preservative:	Cool	Date Extracted:	07-01-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	6.8	0.9
Toluene	12.3	1.0
Ethylbenzene	11.0	1.0
p,m-Xylene	22.8	1.2
o-Xylene	12.2	0.9
Total BTEX	65.1	

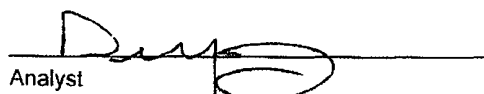
ND - Parameter not detected at the stated detection limit.

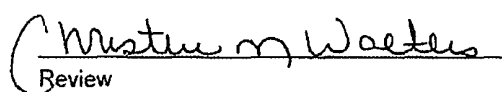
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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 Unit 311A.

Analyst 

Review 



**EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	07-02-BT QA/QC	Date Reported:	07-06-09
Laboratory Number:	50747	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-09
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	3.4318E+006	3.4386E+006	0.2%	ND	0.1
Toluene	3.1622E+006	3.1686E+006	0.2%	ND	0.1
Ethylbenzene	2.7968E+006	2.8024E+006	0.2%	ND	0.1
p,m-Xylene	7.1592E+006	7.1736E+006	0.2%	ND	0.1
o-Xylene	2.6656E+006	2.6709E+006	0.2%	ND	0.1

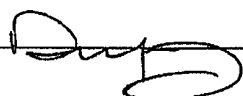
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	6.8	6.7	1.5%	0 - 30%	0.9
Toluene	12.3	12.1	1.6%	0 - 30%	1.0
Ethylbenzene	11.0	10.2	7.3%	0 - 30%	1.0
p,m-Xylene	22.8	22.3	2.2%	0 - 30%	1.2
o-Xylene	12.2	11.9	2.5%	0 - 30%	0.9

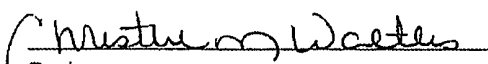
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	6.8	50.0	56.3	99.1%	39 - 150
Toluene	12.3	50.0	59.3	95.2%	46 - 148
Ethylbenzene	11.0	50.0	59.0	96.7%	32 - 160
p,m-Xylene	22.8	100	122	99.0%	46 - 148
o-Xylene	12.2	50.0	59.5	95.7%	46 - 148

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 50744, 50747, and 50751 - 50758.

Analyst 

  
Review



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS

Client:	Williams Production & Exp	Project #:	04108-0003
Sample ID:	Reseve Pit	Date Reported:	07-06-09
Laboratory Number:	50747	Date Sampled:	06-29-09
Chain of Custody No:	7382	Date Received:	07-01-09
Sample Matrix:	Soil	Date Extracted:	07-01-09
Preservative:	Cool	Date Analyzed:	07-01-09
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	53.4	19.0

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Rosa Unit 311A.

Analyst

Review



EPA METHOD 418.1  
TOTAL PETROLEUM  
HYDROCARBONS  
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	07-01-09
Laboratory Number:	07-01-TPH.QA/QC 50744	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	07-01-09
Preservative:	N/A	Date Extracted:	07-01-09
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	06-26-09	07-01-09	1,480	1,480	0.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	19.0

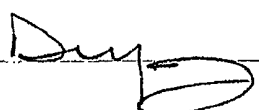
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	125	142	14.3%	+/- 30%

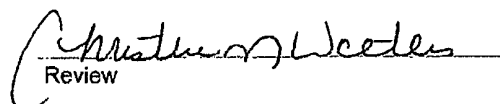
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	125	2,000	1,900	89.4%	80 - 120%

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 50744, 50747 - 50751 and 50753.

Analyst 

Review 



**envirotech**  
Analytical Laboratory

**Chloride**

Client:	Williams Productions & Exp.	Project #:	04108-0003
Sample ID:	Reserve Pit	Date Reported:	07-06-09
Lab ID#:	50747	Date Sampled:	06-29-09
Sample Matrix:	Soil	Date Received:	07-01-09
Preservative:	Cool	Date Analyzed:	07-02-09
Condition:	Intact	Chain of Custody:	7382

**Parameter**

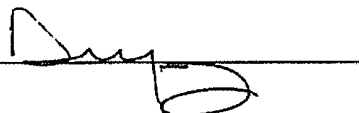
**Concentration (mg/Kg)**

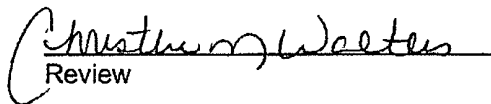
**Total Chloride**

**65**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Rosa Unit 311A.**

Analyst 

  
Review

# CHAIN OF CUSTODY RECORD

7382

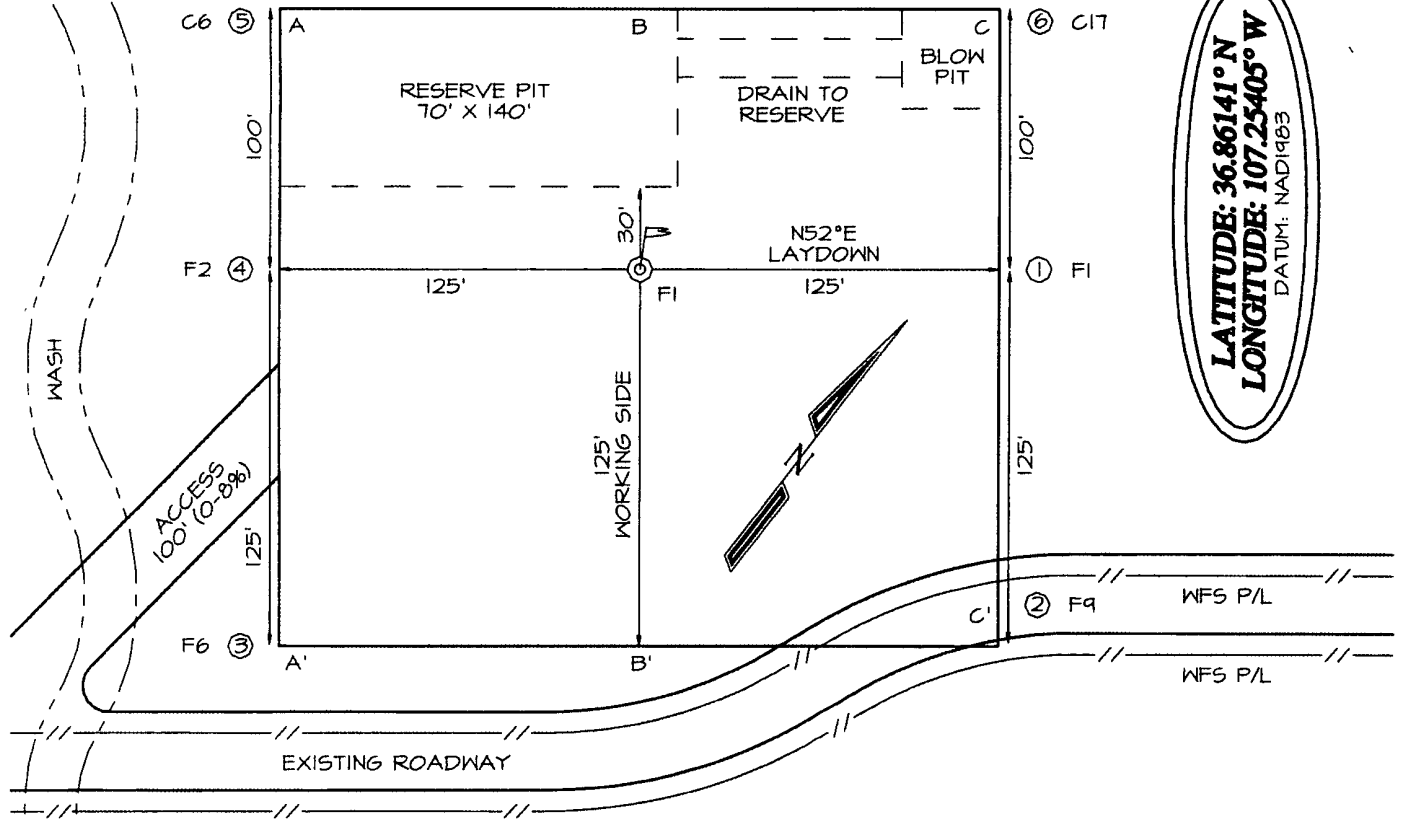
Client: <i>Williams Production + Exp</i>			Project Name / Location: <i>Rose Unit 311A</i>			ANALYSIS / PARAMETERS														
Client Address:			Sampler Name: <i>Glen Shelby</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Client Phone No.:			Client No.: <i>04108 - 0003</i>																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative														
<i>Reserve P.L.</i>	<i>6/29</i>	<i>1315</i>	<i>50747</i>	<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
				<i>Soil Solid</i>	<i>Sludge Aqueous</i>															
Relinquished by: (Signature) <i>[Signature]</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>					Date	Time							
					<i>7-1-09</i>	<i>8:25</i>						<i>7-1-09</i>	<i>P25</i>							
Relinquished by: (Signature) <i>[Signature]</i>							Received by: (Signature) <i>[Signature]</i>													
Relinquished by: (Signature)							Received by: (Signature)													



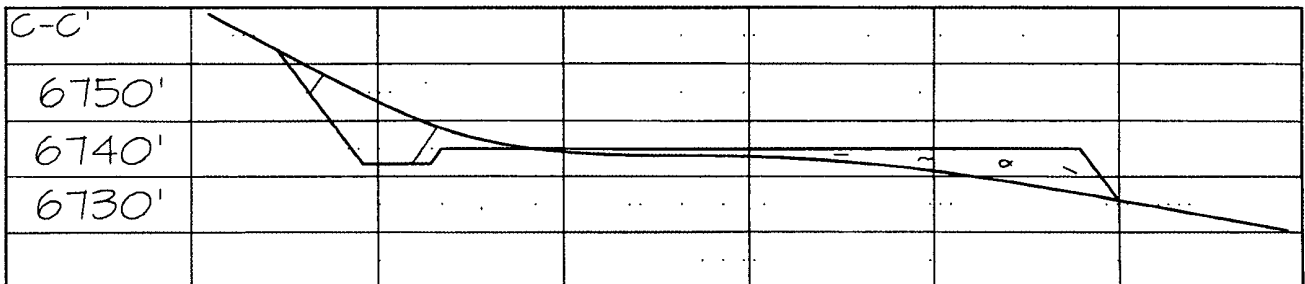
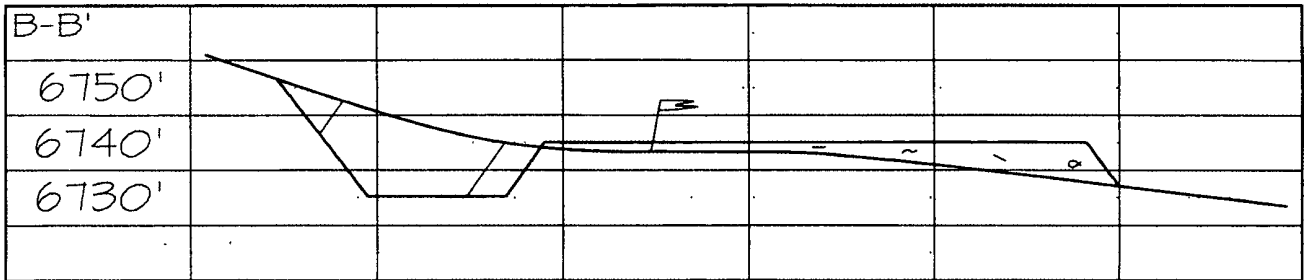
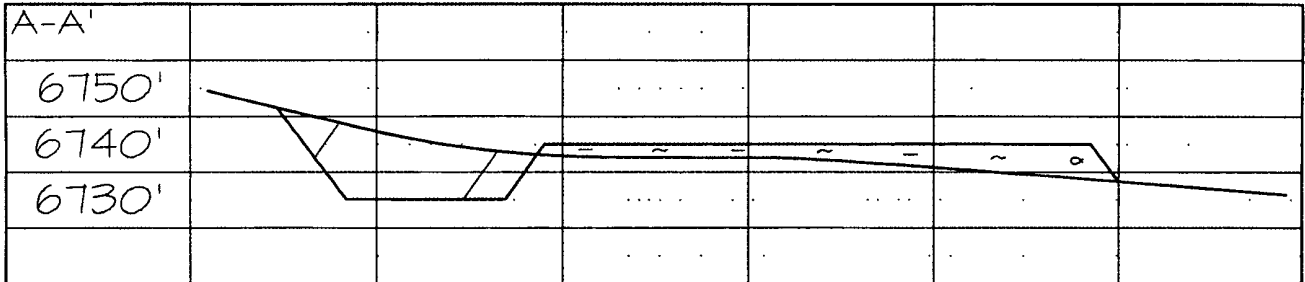
**envirotech**  
Analytical Laboratory

5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com

**WILLIAMS PRODUCTION COMPANY ROSA UNIT #311A**  
**710' FNL & 820' FEL, SECTION 33, T31N, R4W, NMPM**  
**RIO ARriba COUNTY, NEW MEXICO ELEVATION: 6739'**



**LATITUDE: 36.86141° N**  
**LONGITUDE: 107.25405° W**  
 DATUM: NAD1983



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN  
DUPLICATE

(See other instructions on  
reverse side)

FORM APPROVED  
OMB NO 1004-0137  
Expires: February 28, 1995

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG*</b>						5 LEASE DESIGNATION AND LEASE NO. NMSF-078894	
						6. IF INDIAN, ALLOTTEE OR	
1a. TYPE OF WELL <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER						7 UNIT AGREEMENT NAME  Rosa Unit	
b. TYPE OF COMPLETION <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR. <input type="checkbox"/> OTHER							
2 NAME OF OPERATOR  WILLIAMS PRODUCTION COMPANY						8 FARM OR LEASE NAME, WELL NO  Rosa Unit #311A	
3. ADDRESS AND TELEPHONE NO  P.O. Box 640, Aztec, NM 87410 (505) 634-4208						9 API WELL NO  30-039-30441	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At Surface: 710' FNL & 820' FEL, sec 33, T31N, R4W At top production interval reported below : 749 FSL & 839' FEL, sec 28, T31N, R4W At total depth: Same						10. FIELD AND POOL, OR WILDCAT  Basin Fruitland Coal	
						11 SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC 33-31N-4W	
						12 COUNTY OR Rio Arriba	13. STATE New Mexico
15 DATE SPUDDED 10-17-08	16 DATE T D REACHED 10-29-08	17 DATE COMPLETED (READY TO PRODUCE) 10-31-08	18 ELEVATIONS (DK, RKB, RT, GR, ETC.)* 6739' GR	19. ELEVATION CASINGHEAD			
20 TOTAL DEPTH, MD & TVD 4061' MD / 3701' TVD	21 PLUG, BACK T D, MD & TVD 4061' MD / 3701' TVD	22 IF MULTICOMP., HOW MANY	23 INTERVALS DRILLED BY	ROTARY TOOLS x	CABLE TOOLS		
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Basin Fruitland Coal: Open hole completion 3803' - 4061'				25 WAS DIRECTIONAL SURVEY MADE YES			
26 TYPE ELECTRIC AND OTHER LOGS RUN Mud logs only on this well				27. WAS WELL CORED NO			
28 CASING REPORT (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD		
9-5/8", K-55		36.0#	345'	12-1/4"	150 SX - SURFACE		
7", K-55		23.0#	3803'	8-3/4"	540 SX - SURFACE		
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	
No liner					2-7/8", J-55	3806'	
31 PERFORATION RECORD (Interval, size, and number)				32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC			
				DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED		
					Well was not fraced or acidized		
33. PRODUCTION							
DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) Well will be produced with aid of 1-1/2" rod pump			WELL STATUS (PRODUCING OR SI) Shut in - waiting on tie in		
DATE OF TEST 10-30-08	TESTED 5 hrs	CHOKE SIZE 2"	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	
						GAS-OIL RATIO	
FLOW TBG PRESS 0 oz	CASING PRESSURE 0 oz	CALCULATED 24-HOUR RATE		OIL - BBL	GAS - MCF 00 p/day	WATER - BBL	
						OIL GRAVITY-API (CORR )	
34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc ) TO BE SOLD						TEST WITNESSED BY Weldon Higgins	
35 LIST OF ATTACHMENTS SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM							
36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED _____ TITLE <u>Drlg COM</u> DATE <u>11-5-08</u>							



37 SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries)					38 GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC		NAME	TOP		
						NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH
						OJO ALAMO	3279'	3016' <sup>c</sup>
						KIRTLAND	3403'	3122'
						FRUITLAND	3666'	3350'

**Meador, Tasha**

---

**From:** johnny@adobecontractorsinc.com  
**Sent:** Friday, June 26, 2009 11:12 AM  
**To:** Brandon Powell  
**Cc:** Meador, Tasha ; Lane, Myke  
**Subject:** Williams clean-ups

Brandon,  
We finished the Rosa Unit #311A clean-up and will move to the Jicarilla 93#12B next week. Let me know if you have any questions.

Thanks,

Johnny Stinson  
Gen. Manager/ Adobe Contractors  
Office: (505)632-1486  
Mobile: (505)320-6076  
[johnny@adobecontractorsinc.com](mailto:johnny@adobecontractorsinc.com)

7/14/2009



06.29.2009

311A

## CLOSURE REPORT ATTACHMENTS

Rosa 311A

- 1 Date & How free standing liquids removed in following manner: 6/15/2009  
Liquids removed by vacuum truck and hauled to Basin Disposal, Permit # NM 01-0005
- 3 Return receipt sent & received from surface owner: Copy Attached
- 4 Rig off location on following date: 5/31/2009  
Pit covered on following date: 6/26/2009  
Reseeding started/scheduled for following date: Fall 2009
- 6 Pit liner removed on following date: 6/21/2009  
Pit liner removed by following company: Adobe Construction  
Pit liner removed in following manner: Cut liner above mud level by manually  
and/or mechanically cutting liner. Removed all anchored material.  
Facility where Pit liner disposed: S.J. Regional Landfill, NMED Permit SWM-052426
- 7 Solidification process accomplished in following manner: Adobe construction  
used combination of natural drying & mechanical mixing. Pit contents were mixed with  
non-waste, earthen material to a consistency that is safe & stable. The mixing ratio has  
not exceeded 3 parts non-waste to 1 part pit contents.
- 8 Five point composite sample provided: Envirotech Results Attached
- 9 Testing of earth by following company: Envirotech, Inc.  
Material & method used for solidification, non-waste earthen material:  
Grading & backfilling area with approximately 4' of soils and earthen materials recovered during  
site construction, to one foot consisting of topsoil.
- 10 Re-contouring to match surrounding geography done in following manner (using BMP's):  
Reestablish drainage and contours to approximately match previous topography meeting  
Conditions of Approval in APD and as specified by Surface Management Agency Inspectors.
- 11 Sundry (C103) to NMOCD when area 1st seeded: Pending  
Seed Mix Used: Seed mix specified in Condition of Approval
- 12 Date pit was covered: 6/26/2009

## CLOSURE REPORT ATTACHMENTS

Date 1st seeding took place:	<u>Fall following covering of pit</u>
Date 2nd seeding took place:	<u>Fall following covering of pit</u>
Date 70% coverage of native perennial vegetation accomplished:	<u>To be Determined</u>
Date C103 submitted to NMOCD (stating 2 successive vegetative seasons accomplished)	<u>To be Determined</u>

<b>13</b> Company setting steel marker on site:	<u>Adobe Construction</u>
Date marker set:	<u>Pending</u>
Type cmt & depth of cmt to place marker:	<u>2 sx Pre-mixed concrete @ 4' depth</u>
Type of marker used: (check one)	<u>X Post                      Plate</u>
Pertinent information on marker (operator, lease, well name/#, S-T-R-UL):	

### Per Operated Well Information

Does marker state it is an onsite pit burial location?	<u>YES</u>
--	------------

**Note: Steel markers not required when closure by waste excavation & removal**

### Attached information (IF Release Occurred):

** Sample results from Form C141 (Release Notification & Corrective Action)	<u>Attached</u>
Date & time release occurred:	<u>N/A</u>
** C105 (Completion Rpt) w/Applicable Pit Information	<u>Attached</u>

Submit To Appropriate District Office Two Copies District I 1625 N French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>	<b>Form C-105</b> July 17, 2008
		1. WELL API NO. 30-039-30441
		2. Type of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN
		3. State Oil & Gas Lease No. NMSF-078894
<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>		
4. Reason for filing:  <input type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)  <input checked="" type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)		5. Lease Name or Unit Agreement Name Rosa Unit
		6. Well Number:  Rosa Unit #311A
7. Type of Completion: <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER		
8. Name of Operator    WILLIAMS PRODUCTION, LLC		9. OGRID    120782
10. Address of Operator    P.O. BOX 640    AZTEC, NM 87410		11. Pool name or Wildcat
12. Location	Unit Ltr	Section
Surface:		
BH:		
13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released 4/1/2009
		16. Date Completed (Ready to Produce)
		17. Elevations (DF and RKB, RT, GR, etc.)
18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?
		21. Type Electric and Other Logs Run
22. Producing Interval(s), of this completion - Top, Bottom, Name		
<b>23. CASING RECORD (Report all strings set in well)</b>		
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
24. LINER RECORD		25. TUBING RECORD
SIZE	TOP	SIZE
26. Perforation record (interval, size, and number)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
		DEPTH INTERVAL
		AMOUNT AND KIND MATERIAL USED
<b>28. PRODUCTION</b>		
Date First Production	Production Method ( <i>Flowing, gas lift, pumping - Size and type pump</i> )	
		Well Status ( <i>Prod. or Shut-in</i> )
Date of Test	Hours Tested	Choke Size
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate
29. Disposition of Gas ( <i>Sold, used for fuel, vented, etc.</i> )		30. Test Witnessed By
31. List Attachments		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.    Attached		
33. If an on-site burial was used at the well, report the exact location of the on-site burial:		
Latitude    36.86144    Longitude    -107.25498    NAD 1927    X1983		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief		
Signature	Printed Name	Title
E-mail Address:		Date

**WILLIAMS PRODUCTION**  
**TEMP PIT CLOSURE REPORT ADDENDUM**  
**ROSA UNIT 311A**

Req #

- 1 Date & How free standing liquids removed in following manner: 6/9/2009  
Liquids removed by vacuum truck and hauled to Basin Disposal, Permit # NM 01-0005
- 3 Return receipt sent & received from surface owner:  
Williams notified the SMA of its intent to use a temporary pit and onsite burial in the Surface Use Plan in the well APD. The SMA was notified by email see attached. No return receipt required per BLM:FFO/NMOCD MOU dated 5/4/09.
- 4 Rig off location on following date: 4/1/2009  
Pit covered on following date: 6/25/2009  
Reseeding started/scheduled for following date:  
Date and mix to follow BLM/USFS COAs in APD per BLM:FFO/NMOCD MOU dated 5/4/09.
- 6 Pit liner removed on following date: 6/17/2009  
Pit liner removed by following company: Adobe Construction  
  
Pit liner removed in following manner:  
Cut liner above mud level after stabilization by manually &/or mechanically cutting liner. Removed all anchored material on date given.  
Facility where Pit liner disposed: S.J. Regional Landfill, NMED Permit SWM-052426
- 7 Solidification process accomplished in following manner:  
Adobe construction used combination of natural drying & mechanical mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is safe & stable. The mixing ratio per Adobe on the order of 2.7:1 to 3:1 and varied during closure depending on the initial moisture content of the mud and drill solids.
- 8 Five point composite sample provided: Envirotech Results Attached
- 9 Testing of earth by following company: Envirotech, Inc.  
Material & method used for solidification, non-waste earthen material:  
Grading & backfilling area with approximately 4' of soils and earthen materials recovered during site construction, to one foot consisting of topsoil.

## ROSA UNIT 311A

- 10 Re-contouring to match surrounding geography done in following manner (using BMP's):

Reestablish drainage and contours to approximately match previous topography meeting Conditions of Approval in APD and as specified by Surface Management Agency Inspectors.

---

- 11 Sundry (C103) to NMOCD when area seeded and seed mix used:

Williams will comply with Surface Management Agency reseeding requirements in COAs of the APD for the referenced well, per BLM:FFO/NMOCD MOU dated 5/4/09.

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- 12 Date pit was covered:

**6/25/2009**

Revegetation and restoration completion

See item 11 and refer to MOU.

---

- 13 Company setting steel marker on site:

Adobe Construction

---

Date marker set:

**11/6/2009**

---

Type cmt & depth of cmt to place marker:

2 sx Pre-mixed concrete @ 4' depth

---

Type of marker used: (check one)

Plate

---

Pertinent information on marker (operator, lease, well name/#, S-T-R-UL):

Williams Production, Rio-Arriba County Rosa Unit 311A, Unit A, S33, T31N, R4W, PIT BURIAL

---

### Attached information :

- \*\* Sample results from Form C141 (Release Notification & Corrective Action)

Attached

---

Date & time release occurred:

**NA**

---

- \*\* C105 (Completion Rpt) w/Applicable Pit Information

Attached

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WILLIAMS - PROD.

ALU-ARR (R) COUNTY

ROSALIND - BRILL

UNIT X SEC 3

ARIZONA RIVER

IN - COURBAN

11:30 2009

**WPXENERGY.**

PO Box 640  
Aztec, NM 87410

RCVD JUN 7 '12

OIL CONS. DIV.

DIST. 3

## Transmittal

**To:** Jonathan Kelly  
NMOCD  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

**From:** Tasha Meador  
San Juan- Permitting Technician  
505-333-1841  
tasha.meador@wpxenergy.com

**Date:** June 5<sup>th</sup>, 2012

**Re:** Supplemental Submittal

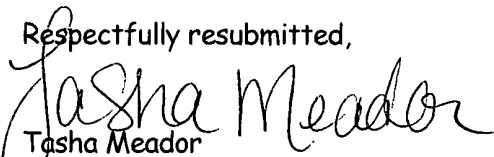
Temporary Pit Closure report: NMOCD Permit #\_\_\_3862\_\_\_

---

Per our discussion: The Rosa Unit #311A temporary pit closure report was missing the OCD required pit inspection logs. WPX Energy currently has a weekly system to ensure that these inspections are completed and tracked. However, this particular well was completed by a different compliance team and the inspections cannot be found. Since the closure of this pit WPX Energy has transferred responsibility to a different team which has established a more reliable inspection schedule.

Please advise if additional information is required. Thank you for your time and consideration. Please call or contact me if there are any questions.

Respectfully resubmitted,



Tasha Meador  
WPX Energy Production  
721 S Main Aztec, NM  
Office: 505-333-1800  
Direct: 505-333-1841  
Fax: 505-333-1805  
[tasha.meador@wpxenergy.com](mailto:tasha.meador@wpxenergy.com)

District I  
1625 N. French Dr., Hobbs, NM 88240

District II  
1301 W. Grand Avenue, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

RCVD JUN 7 '12

OIL CONS. DIV.

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 030-039-30441		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 311A
*OGRID No. 120782	*Operator Name WILLIAMS PRODUCTION COMPANY		*Elevation 6739'

<sup>10</sup> Surface Location

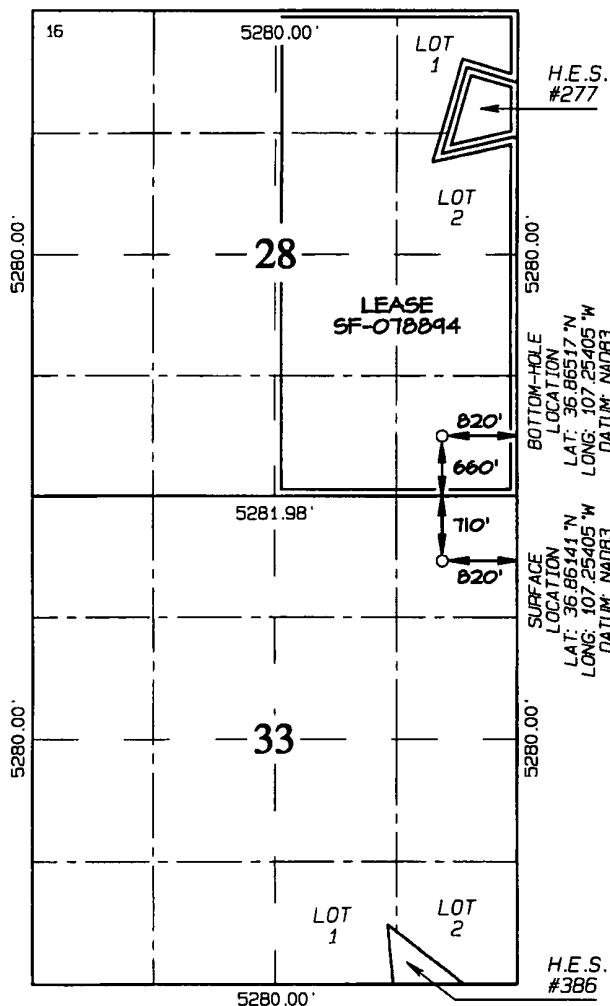
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	33	31N	4W		710	NORTH	820	EAST	RIO ARriba

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	28	31N	4W		660	SOUTH	820	EAST	RIO ARriba

<sup>12</sup> Dedicated Acres 320.0 Acres - E/2	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



<sup>17</sup> OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature \_\_\_\_\_ Date \_\_\_\_\_

Printed Name \_\_\_\_\_

<sup>18</sup> SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Survey Date: SEPTEMBER 27, 2006

Signature and Seal of Professional Surveyor



JASON C. EDWARDS  
Certificate Number 15269