

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
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

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

9106

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

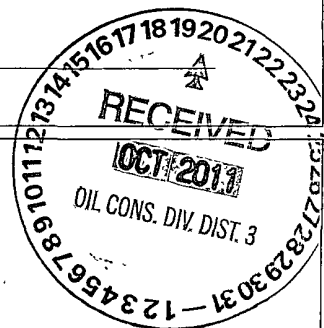
1
Operator Williams Production Co, LLC OGRID # 120782
Address PO Box 640/721 So. Main, Aztec, NM 87410
Facility or well name Rosa Unit #148A
API Number 30-03925776 OCD Permit Number
U/L or Qtr/Qtr N Section 2 Township 31N Range 06W County Rio Arriba
Center of Proposed Design Latitude 36.9235801 Longitude -107 435509 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 bbl Dimensions L x W x D

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 120 bbl Type of fluid Produced Water
Tank Construction material Double-Wall Steel
☐ 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



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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 _____

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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

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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.

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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 (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>) - 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 (<i>Applies to permanent pits</i>) - 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

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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: _____

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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 H₂S, 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

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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)

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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

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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

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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 - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Ground water is more than 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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) - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	<input type="checkbox"/> Yes <input checked="" 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 - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No
Within a 100-year floodplain - FEMA map	<input type="checkbox"/> Yes <input checked="" 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

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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: 10-20-2011

e-mail address: Vanessa.Fields@Williams.com Telephone: 505-333-1880

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

OCD Representative Signature: Jonathan D. Kelly Approval Date: 10/26/2011

Title: Compliance Officer OCD Permit Number: _____

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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: 10/2/2011

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 identify 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

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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 _____ Longitude _____ NAD: ☐ 1927 ☐ 1983

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Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Vanessa Fields Title: EH&S Coordinator

Signature: Vanessa Fields Date: 10/20/2011

e-mail address: vanessa.fields@williams.com Telephone: 505-333-1880

[illegible]

Williams Production Co., LLC
San Juan Basin: New Mexico Assets
Below-Grade Tank Removal
Closure Report

Well: (Rosa Unit #148A)
API No: 30-03925776
Location: N-S02-T31N-R06W, NMPM

In accordance with Rule 19.15.17.13 NMAC, the following report describes the general closure of the referenced below-grade tanks (BGT) on Williams Production Co, LLC (WPX) location in the San Juan Basin of New Mexico. The closure follows this WPX's standard closure procedure for all BGTs regulated under Rule 19.15.17 NMAC and operated by WPX. For those closures which do not conform to the standard closure plan, a separate well/pit specific closure plan will be developed and utilized.

Closure Conditions and Timing:

Pursuant to 19.15.17.13 (A) NMAC, WPX will initiate closure of any BGT should any one of these conditions occur:

- The Division requires closure because of imminent danger to fresh water, public health or the environment.
- The integrity of the BGT fails. Notification will be within 48 hours to the Division and closure will be schedule as specified in 19.15.17.12 (A) (5) NMAC.
- WPX chooses to take the BGT out-of-service due to operational needs. Closure under these conditions will be initiated within 60 days of cessation of the BGT's operation.
- BGTs installed prior to June 16, 2008 that do not meet the requirements under 19.15.17.11.1(6) NMAC and WPX chooses not to retrofit or upgrade. Closure under these conditions will be completed within five years (by June 16, 2013).

General Plan Requirements:

1. Prior to initiating any BGT Closure except in the case of an emergency, WPX will review County Tax Records for the current landowner of record. The landowner of record will be notified of the intent to closure the BGT by certified mail and a copy of this notification will be included in the closure report. In the case of an emergency, the landowner of record will be notified as soon as practical.

Williams notified the SMA of its intent to clean close the BGT via Certified Mail on March 10, 2009 see attached. No return receipt required per BLM:FFO/NMOCD MOU dated 5/4/09.

2. Notice of Closure will be given to the Aztec District office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USTR)

Aztec District office was notified of Williams E&P intent to close on (09/11/2011). Email attached.

3. All piping will be rerouted to an alternative produced water storage/disposal location (e.g. surface tanks, temporary frac tank, ...). The well will be temporarily shut-in until the rerouting is completed.

Williams closed the BGT used by the Rosa Unit# 148A separator and piped all liquids to the Produced Water Storage Tank.

4. All produced water will be removed from the BGT following discharge-pipe rerouting. Produced water will be disposed at one of the following NMOCD approved facilities depending on the proximity of the BGT site: Rosa Unit SWD #1 (Order: SWD-916, API: 30-039-27055), Rosa Unit #94 (Order: SWD-3RP-1003-0, API: 30-039-23035), Jillson Fed. SWD #001 (Order: R10168/R10168A, API: 30-039-25465), Middle Mesa SWD #001 (Order: SWD-350-0, API: 30-045-27004) and/or Basin Disposal (Permit: NM-01-0005).

Produced water in the BGT prior to closures was removed by vacuum truck and hauled to the Rosa Unit disposal wells listed.

5. Solids and sludges will be shoveled and /or vacuumed out for disposal at Envirotech (Permit Number NM-01-0011).

No solids or sludge required removal prior to excavation and removal of the tank.

6. Williams will obtain prior approval from NMOCD to dispose, recycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel materials will be recycled or reused as approved by the Division. Fiberglass tanks will be empty, cut up or shredded, and EPA cleaned for disposal as solid waste. Liners materials will be cleaned without soils or contaminated material for disposal as solid waste. Fiberglass tanks and liner materials will meet the conditions of paragraph 1 subsection D or 19.15.9.712 NMAC. Disposal will be at a licensed disposal facility, presently San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426.

The fiberglass tank and plastic liner was disposed of at the San Juan Regional Landfill.

7. Any equipment associated with the BGT that is no longer required for some other purpose, following the closure will be removed from the location.

The fiberglass tank and plastic liner were removed offsite. All other piping and equipment remains in use. See attached photo.

8. Following removal of the tank and any liner material, a five-point composite sample will be taken of the excavation and tested per 19.15.17.13(E)(4) NMAC as identified in Table 1. Grab samples will be collected from any area that is wet, discolored or showing other evidence of a release. Results will be report to the Division following receipt from the lab on Form C-141.

Table 1: Closure Criteria for BGTs

Components	Testing Methods	Closure Limits (mg/Kg)	Sample Results (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2	ND
BTEX	EPA SW-846 Method 8021B or 8260B	50	ND
TPH	EPA SW-846 Method 418.1 ⁽¹⁾	100	87
Chlorides	EPA SW-846 Method 300.1 ⁽¹⁾	250 ⁽²⁾	10

⁽¹⁾ Method modified for solid waste.

⁽²⁾ If background concentration of Chlorides greater than 250 mg/Kg, then higher concentration will be used for closure.

9. If the Division and/or Williams determine there is a release, Williams will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC.

No release detected.

10. Upon completion of the tank removal, and any necessary soil remediation, the excavation will be backfilled with non-waste earthen material compacted to native and covered with a minimum of one foot of top soil or background thickness. The surface will be recontoured to match the native grade.

Pit area backfilled with clean earthen material following sample results. No contaminated soil taken off site. Backfill compacted to avoid settling and pit area remains in use for production operations.

11. For those portions of the former pit area no longer required for production activities, WPX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: WPX assumes the seeding stipulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) APD are Division-approved methods unless notified by the Division of their unacceptability. If a landowner agreement requires reseeding or other surface restoration that does not meet the revegetation requirements of 19.15.17.13, then WPX will submit the proposed alternative with written documentation that the landowner agrees to the alternative, for Division approval.

Pit area along with unused portions of well pad interim reclaimed and following P&A entire location to be reclaimed and recontoured in accordance with Surface Management Agency requirements in APD-COAs and per BLM:FFO/NMOCD MOU dated 5/4/09.

12. For those portions of the former pit area required for production activities, reseeding will be done at well abandonment, and following the procedure noted above.
See above notes

Closure Report:

All closure activities will include proper documentation and will be submitted to OCD within 60 days of the BGT closure on a Closure Report using Division Form C-144. The Report will include the following:

- Proof of Closure Notice (surface owner & NMOCD)
- Backfilling & Cover Installation
- Site Diagram with coordinates
- Available Inspection reports
- Confirmation Sampling Analytical Results
- Disposal Facility Name(s) and Permit Number(s)
- Re-vegetation Application Rate & Seeding techniques
- Photo Documentation of Reclamation

Williams Production Co., LLC
San Juan Basin: New Mexico Assets
Below-Grade Tank Removal
Closure Plan

In accordance with Rule 19-15-17-13 NMAC, the following plan describes the general closure requirements of below-grade tanks (BGT) on Williams Production Co., LLC (WPX) locations in the San Juan Basin of New Mexico. This is WPX's standard closure procedure for all BGTs regulated under Rule 19-15-17 NMAC and operated by WPX. For those closures which do not conform to this standard closure plan, a separate well/pit specific closure plan will be developed and utilized.

Closure Conditions and Timing:

Pursuant to 19-15-17-13 (A) NMAC, WPX will initiate closure of any BGT should any one of these conditions occur:

- The Division requires closure because of imminent danger to fresh water, public health or the environment.
- The integrity of the BGT fails. Notification will be within 48 hours to the Division and closure will be scheduled as specified in 19-15-17-12 (A)(5) NMAC.
- WPX chooses to take the BGT out-of-service due to operational needs. Closure under these conditions will be closed within 60 days of cessation of the BGT's operation.
- BGTs installed prior to June 16, 2008 that do not meet the requirements under 19-15-17-11 (6) NMAC, and WPX chooses not to retrofit or upgrade. Closure under these conditions will be completed within five years (by June 16, 2013).

General Plan Requirements:

1. Prior to initiating any BGT Closure except in the case of an emergency, WPX will review County Tax Records for the current surface owner of record. The surface owner of record will be notified of the intent to close the BGT by certified mail and a copy of this notification will be included in the closure report. In the case of an emergency, the surface owner of record will be notified as soon as practical.
2. Notice of Closure will be given to the Aztec District office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operator's Name (WPX)
 - b. Well Name and API Number
 - c. Location (USR)
3. All piping will be rerouted to an alternative produced water storage/disposal location (e.g. surface tanks, temporary frac tank, ...). The well will be temporarily shut in until the rerouting is completed.
4. All produced water will be removed from the BGT following discharge pipe rerouting. Produced water will be disposed at one of the following NMOCDD approved facilities depending on the proximity of the BGT site: Rosa Unit SWD #1 (Order SWD-916, API 30-039-27055), Rosa Unit #94 (Order SWD-3RF-10030, API 30-039-23035), Jillson Fed. SWD #001 (Order R10168/R10168A, API 30-039-25465), Middle Mesa SWD #001 (Order SWD-3500, API 30-045-27004) and/or Basin Disposal (Permit NM-01-0005).

Solids and sludges will be shoveled and/or vacuumed out for disposal at Envirotech (Permit Number NM-01-0011).

WPX will obtain prior approval from NMOCDD to dispose, re-cycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel materials will be recycled or reused as approved by the Division. Fiberglass tanks will be empty, cut up or shredded, and FPA cleaned for disposal as solid waste. Liner materials will

be cleaned without soils or contaminated material for disposal as solid waste. Fiberglass tanks and liner materials will meet the conditions of paragraph 1 subsection D of 19.15.9.12 NMAC. Disposal will be at a licensed disposal facility, presently San Juan Regional Landfill operated by Waste Management under NMD Permit SWM 052426.

7. Any equipment associated with the BGI that is no longer required for some other purpose following the closure will be removed from the location.
8. Following removal of the tank and any liner material, a five point composite sample will be taken of the excavation and tested per 19.15.17.13(E)(4) NMAC as identified in Table 1. Grab samples will be collected from any area that is wet, discolored or showing other evidence of a release. Results will be report to the Division following receipt from the lab on Form C-141.

Table 1. Closure Criteria for BGIs

Components	Testing Methods	Closure Limits (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2
BTEX	EPA SW 846 Method 8021B or 8260B	50
TPH	EPA SW 846 Method 418.1 ¹⁰	100
Chlorides	EPA SW 846 Method 300.1 ¹¹	250 ¹²

¹⁰ Method modified for solid waste

¹² If background concentration of chlorides greater than 250 mg/kg, then higher concentration will be used for closure.

9. If the Division and/or WFX determine there is a release, WFX will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC.
10. Upon completion of the tank removal, the excavation will be backfilled with non waste earthen material compacted and covered with a minimum of one foot of top soil or background thickness whichever is greater and to existing grade. The surface will be re-contoured to match the native grade and prevent ponding.
11. For those portions of the former pit area no longer required for production activities, WFX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. *Note: If a surface owner agreement requires reseeding or other surface restoration that do not meet re-vegetation requirements of 19.15.17.13,1 NMAC then WFX will submit the proposed alternative with written documentation that the surface owner agrees to the alternative for Division approval.*
12. For those portions of the former pit area required for production activities, reseeding will be done at well abandonment and following the procedure noted above.

Closure Report

All closure activities will include proper documentation and will be submitted to OCE within 60 days of the BGI closure on a Closure Report using Division Form C-144. The Report will include the following:

- Final or Closure Notice to the public per NMAC
- Excavation & Cover history
- Site program photo documentation
- Available background review
- Confirmation Sampling Analysis per ES, 1
- Disposal Facility Receipt and Form 1000 (if)
- Application Note & Seeding technique
- Photo Documentation of Reclamation

WELLS w/FEDERAL SURF MGT	API	FM1	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
COX CANYON UNIT #001	3004511397	BLANCO MV	16N	32N	11W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
COX CANYON UNIT #001A	3004522086	BLANCO MV	16C	32N	11W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
COX CANYON UNIT #001B	3004530791	BLANCO MV	16I	32N	11W	BG1	HDPE SECONDARY LINER
COX CANYON UNIT #001C	3004532023	BLANCO MV	16E	32N	11W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
COX CANYON UNIT #003	3004511495	BLANCO MV	9I	32N	11W	BG1	HDPE SECONDARY LINER
COX CANYON UNIT #003A	3004522088	BLANCO MV	9P	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #003B	3004530871	BLANCO MV	9J	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #004	3004511368	BLANCO MV	21A	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #004A	3004522093	BLANCO MV	21P	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #004B	3004532186	BLANCO MV	21F	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #005	3004511526	BLANCO MV	21K	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #005A	3004522094	BLANCO MV	21D	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #005B	3004532142	BASIN DK / BLANCO MV	21N	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #005C	3004533493	BLANCO MV	21F	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #006	3004511463	BLANCO MV	16A	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #006A	3004522095	BLANCO MV	16I	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #006B	3004532693	BLANCO MV	16B	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #006C	3004532733	BLANCO MV	16C	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #007	3004511455	BLANCO MV	17G	32N	11W	FGP	DBL WALL STEEL
COX CANYON UNIT #007A	3004522091	BLANCO MV	17C	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #007C	3004533018	BASIN DK	17K	32N	11W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
COX CANYON UNIT #008	3004511492	BLANCO MV	8I	32N	11W	BG1	HDPE SECONDARY LINER
COX CANYON UNIT #008A	3004522096	BLANCO MV	17H	32N	11W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
COX CANYON UNIT #008B	3004532080	BLANCO MV	8P	32N	11W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
COX CANYON UNIT #008C	3004531187	BLANCO MV	17P	32N	11W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
COX CANYON UNIT #009A COM	3004522092	BLANCO MV	20D	32N	11W	BG1	HDPE SECONDARY LINER
COX CANYON UNIT #009B COM	3004533926	BASIN DK / BLANCO MV	20B	32N	11W	BG1	DBL WALL STEEL
COX CANYON UNIT #009C	3003933851	BASIN DK / BLANCO MV	20F	32N	11W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
COX CANYON UNIT #013	3004521489	BLANCO PC	20A	32N	11W	BG1	HDPE SECONDARY LINER

WELLS w/FEDERAL SURF MGT	API	FMT	SEC	1WN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
COX CANYON UNIT #023 COM	3004522537	BLANCO PC	17C	32N	11W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
COX CANYON UNIT #025	3004522572	BLANCO PC	90	32N	11W	BG1	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #200	3004527878	BASIN FIC	91	32N	11W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
COX CANYON UNIT #200A	3004532126	BASIN FIC	90	32N	11W	BG1	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #203	3004527872	BASIN FIC	17A	32N	11W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
MADDOX #001	3004511487	BLANCO MV	10N	32N	11W	BG1	DBL WALL STEEL
MADDOX #001A	3004523539	BLANCO MV	10P	32N	11W	BG1	DBL WALL STEEL
NM 32-11 #001	3004511309	BLANCO MV BASIN DK /	200	32N	11W	BG1	DBL WALL STEEL
NM 32-11 #001B COM	3004532024	BLANCO MV BASIN DK /	201	32N	11W	BG1	DBL WALL STEEL
NM 32-11 #001C COM	3004532804	BLANCO MV	201	32N	11W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
NM 32-11 #002 COM	3004511380	BLANCO MV	19A	32N	11W	BG1	HDPE SECONDARY LINER
NM 32-11 #002A COM	3004529017	BLANCO MV	190	32N	11W	BG1	DBL WALL STEEL
NM 32-11 #002B COM	3004532670	BLANCO MV	191	32N	11W	BG1	DBL WALL STEEL
NM 32-11 #002C COM	3004533077	BLANCO MV	19G	32N	11W	BG1	DBL WALL STEEL
ROSA UNIT #001 SWD	3003927055	SWD BASIN DK /	231	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #001E	3003925411	BLANCO MV BLANCO MV /	11F	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #005A	3003925407	ROSA PC BASIN DK /	26P	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #005E	3003926927	BLANCO MV	26B	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #005Y	3003926078	BLANCO MV BLANCO MV /	26H	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #008	3003907944	ROSA PC BLANCO MV /	26M	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #008	3003907944	ROSA PC BLANCO MV /	26M	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #008A	3003925430	ROSA PC	26D	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #008C	3003926944	BLANCO MV	26N	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #009	3003907975	BLANCO MV BASIN DK /	11K	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #009A	3003925584	BLANCO MV	11C	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #009B	3003927042	BLANCO MV	11E	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #010B	3003926556	BLANCO MV	13N	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #010C	3003926918	BLANCO MV	13N	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #010C	3003926556	BLANCO MV	13N	31N	06W	BG1	DBL WALL STEEL

WELLS w/FEDERAL SURF MGT	API	FMT	SEC	1WN	RNG	FIT TYPE	CONSTRUCTION MATERIAL
ROSA UNIT #012A	3003925900	BLANCO MV / ROSA PC	15J	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #012B	3003926555	BLANCO MV BASIN DK /	15F	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #012C	3003929486	BLANCO MV	15A	31N	06W	SG1	SINGLE WALL STEEL
ROSA UNIT #013	3003907936	BLANCO MV	31G	31N	05W	BG1	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #013A	3003926298	BLANCO MV BASIN DK /	31F	31N	05W	BG1	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #013B COM	3003929834	BLANCO MV	31A	31N	05W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #014	3003907958	BLANCO MV	23B	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #014A	3003926280	BLANCO MV BASIN DK /	23P	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #014C	3003930132	BLANCO MV	23H	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #015	3003907946	BLANCO MV	29H	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #016	3003907963	BLANCO MV	14N	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #016A	3003925496	BLANCO MV	14C	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #016B	3003926218	BLANCO MV	14M	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #017A	3003926272	BLANCO MV BASIN DK /	20O	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #017B	3003926971	BLANCO MV BLANCO MV /	20J	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #018	3003907960	ROSA PC BLANCO MV /	22H	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #018A	3003925436	ROSA PC	22P	31N	06W	SG1	DBL WALL STEEL
ROSA UNIT #018B	3003927052	BLANCO MV	22O	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #019	3003907955	BLANCO MV	24K	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #019B	3003926560	BLANCO MV	24I	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #019C	3003929625	BLANCO MV	24D	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #019C	3003929625	BLANCO MV	24D	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #020	3003907969	BLANCO MV	14G	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #020A	3003925495	BLANCO MV	14O	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #020B	3003926220	BLANCO MV	14A	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #020C	3003926221	BLANCO MV	14J	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #021A	3003926121	BLANCO MV	23C	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #021B	3003926554	BLANCO MV	23K	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #022	3003907971	BLANCO MV	18A	31N	05W	BG1	HDPE SECONDARY LINER

WELLS w/FEDERAL SURF MGT	API	FMT	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
ROSA UNIT #022A	3003926390	BLANCO MV	18C	31N	05W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #023	3003907942	BLANCO MV	29M	31N	05W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #023B	3003926553	BLANCO MV BASIN DK /	29F	31N	05W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #023C	3003927609	BLANCO MV	29I	31N	05W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #024	3003907933	BLANCO MV BASIN DK /	32M	31N	05W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #024A	3003925568	BLANCO MV BASIN DK /	32E	31N	05W	SG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #024B	3003926630	BLANCO MV BASIN DK /	32N	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #024C	3003926968	BLANCO MV BASIN DK /	32C	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #026A	3003925580	BLANCO MV	32O	31N	05W	SG1	DBL WALL STEEL
ROSA UNIT #026B	3003926788	BASIN DK	32G	31N	05W	SG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #029	3004511136	BLANCO MV BASIN DK /	32H	32N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #029B	3004530709	BLANCO MV BASIN DK /	32B	32N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #029M	3004529584	BLANCO MV BASIN DK /	32I	32N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #030 COM	3003925570	BLANCO MV	12O	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #030A	3003926068	BLANCO MV	12M	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #030B	3003926601	BLANCO MV	12N	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #030C	3003929842	BLANCO MV	12P	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #031	3003926279	BLANCO MV	17C	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #031A	3003926346	BLANCO MV BASIN DK /	17I	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #031B	3003926579	BLANCO MV	17D	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #031C	3003926578	BLANCO MV BLANCO MV /	17N	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #032	3003925389	ROSA PC BLANCO MV /	21H	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #032A	3003925417	ROSA PC BASIN DK /	21F	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #032B	3003926771	BLANCO MV BASIN DK /	21G	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #032C	3003927240	BLANCO MV	21F	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #034	3003907984	BLANCO MV	36B	32N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #034A	3003926119	BLANCO MV	36I	32N	06W	BG1	DBL WALL STEEL
ROSA UNIT #034A	3003926119	BLANCO MV	36I	32N	06W	SG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #034E	3003926629	BLANCO MV	36J	32N	06W	BG1	HDPE SECONDARY LINER

WELLS w/FEDERAL SURF MGT	API	FM1	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
ROSA UNIT #034C	3003926969	BLANCO MV	36H	32N	06W	BG1	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #035X	3004510996	BLANCO MV	5K	31N	06W	BG1	DBI WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #046	3003907977	BLANCO MV	11H	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #046C	3003930182	BLANCO MV	11G	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #041	3003907981	BLANCO MV	5K	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #041B	3003927014	BLANCO MV	6P	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #044	3003925873	BLANCO MV	35K	32N	06W	BG1	DBI WALL STEEL
ROSA UNIT #044A	3003926161	BLANCO MV	35E	32N	06W	SG1	SINGLE WALL STEEL
ROSA UNIT #044A	3003926161	BLANCO MV	35E	32N	06W	SG1	DBI WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #044B	3003926685	BLANCO MV	35C	32N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #045	3003923013	BLANCO MV	9M	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #046A	3003926986	BLANCO MV	8C	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #051	3003920289	BASIN DK	23C	31N	06W	BG1	DBI WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #053	3003920293	BASIN DK	8B	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #055	3003920923	BASIN DK	34I	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #059 DK	3003923270	BASIN DK	25N	31N	06W	BG1	DBI WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #059 GL	3003923270	UNDES GL	25N	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #060	3004529798	BLANCO MV	4L	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #064	3003921703	BASIN DK	29A	31N	05W	BG1	DBI WALL STEEL
ROSA UNIT #064	3003921703	BASIN DK	29A	31N	05W	SG1	DBI WALL STEEL
ROSA UNIT #064M	3003925563	BLANCO MV	29F	31N	05W	BG1	DBI WALL STEEL FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #065	3003921702	BASIN DK	17A	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #066	3003921758	BASIN DK	13I	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #066M	3003925747	BLANCO MV	13F	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #072	3003925509	BLANCO MV	6I	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #072A	3003925795	BLANCO MV	6K	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #075	3004529895	BLANCO MV	10I	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #075A	3004529854	BLANCO MV	4C	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil
ROSA UNIT #075	3003922538	GL/BLANCO	33L	31N	05W	BG1	HDPE SECONDARY LINER

WELLS w/FEDERAL SURF MGT	API	FM1	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
ROSA UNIT #079	3003922539	BASIN DK / BLANCO MV	22K	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #079	3003922539	BASIN DK / BLANCO MV	22K	31N	06W	SGT	DBL WALL STEEL
ROSA UNIT #079A	3003925412	BASIN DK / ROSA PC	22E	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #079B	3003926920	BASIN DK / BLANCO MV	22C	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #079C	3003929902	BASIN DK / BLANCO MV	31P	31N	05W	BGT	DBL WALL STEEL
ROSA UNIT #080	3003922537	BASIN DK / BLANCO MV	8K	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #080A	3003926413	BLANCO MV	8F	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #085	3003922778	BASIN DK	20A	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #085	3003922778	BLANCO MV	20A	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #085A	3003926314	BLANCO MV	20C	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #085P	3003930130	BLANCO MV	20D	31N	05W	BGT	DBL WALL STEEL
ROSA UNIT #086	3003922766	UNDES GL BLANCO MV /	12W	31N	04W	SGT	SINGLE WALL STEEL
ROSA UNIT #088	3004525140	ROSA PC	8E	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #089	3003922782	BLANCO MV	34A	32N	06W	BGT	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #089A	3003925512	BLANCO MV	34C	32N	06W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #089B	3003926851	BLANCO MV	34I	32N	06W	BGT	DBL WALL STEEL
ROSA UNIT #089C	3003926674	BLANCO MV	34G	32N	06W	SGT	SINGLE WALL STEEL
ROSA UNIT #090 COM	3004525370	BLANCO MV	33G	32N	06W	BGT	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #090A COM	3004529259	BLANCO MV	33G	32N	06W	BGT	DBL WALL STEEL
ROSA UNIT #091	3003922780	BLANCO MV	35H	32N	06W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #091A	3003925790	BLANCO MV	35C	32N	06W	SGT	DBL WALL STEEL
ROSA UNIT #091B	3003926684	BLANCO MV	35P	32N	06W	BGT	DBL WALL STEEL
ROSA UNIT #091C	3003926991	BLANCO MV	35G	32N	06W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #098	3003923265	BASIN DK / GL BLANCO MV	23L	31N	06W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #100B	3003929547	BLANCO MV	21C	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #100C	3003929851	BLANCO MV	21K	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #100E	3003925135	BLANCO MV / ROSA PC	21I	31N	06W	SGT	SINGLE WALL STEEL
ROSA UNIT #101M	3003925577	BLANCO MV	24F	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #101	3003923506	BASIN DK / GL	7G	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER

WELLS w/FEDERAL SURF MGT	API	FMT	SEC	1WN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
ROSA UNIT #119	3003925143	BASIN DK	18N	31N	05W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #12L	3003925144	BLANCO MV	13B	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #125C	3003929843	BLANCO MV BASIN DK /	13G	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #125E	3003925526	BLANCO MV	13J	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #129	3003926304	BLANCO MV	34E	32N	06W	BG1	DBL WALL STEEL
ROSA UNIT #129A	3003926297	BLANCO MV	34K	32N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #137	3003925410	BLANCO MV BLANCO MV /	31K	31N	05W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #137A	3003926129	ROSA PC	31I	31N	05W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #137B	3003927002	BLANCO MV BLANCO MV /	31P	31N	05W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #138	3004529147	ROSA PC BLANCO MV /	17I	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #138A	3004529134	ROSA PC	17H	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #138B	3004532168	BLANCO MV	17H	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #139A	3004529600	BLANCO MV	17M	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #140	3003925435	ROSA PC	22K	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #144	3003925421	ROSA PC	26A	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #145C	3004533086	BLANCO MV	16F	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #146A	3003925513	BLANCO MV	28N	31N	05W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #146C	3003930187	BLANCO MV	28B	31N	05W	BG1	DBL WALL STEEL
ROSA UNIT #148	3003925493	BASIN DK	20	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #148A	3003925776	BLANCO MV	2N	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #148B	3003926985	BLANCO MV	2P	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #149	3003925501	BLANCO MV	12G	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #149A	3003925807	BLANCO MV BASIN DK /	12F	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #149B	3003926599	BLANCO MV	12F	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #150	3004529229	BLANCO MV	32F	32N	06W	BG1	DBL WALL STEEL
ROSA UNIT #150A	3004529592	BLANCO MV BASIN DK /	32M	32N	06W	BG1	DBL WALL STEEL
ROSA UNIT #150B	3004530874	BLANCO MV	32D	32N	06W	BG1	DBL WALL STEEL
ROSA UNIT #150C	3004532157	BLANCO MV	32K	32N	06W	BG1	DBL WALL STEEL
ROSA UNIT #150	3004529267	BLANCO MV	33C	32N	06W	BG1	DBL WALL STEEL

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

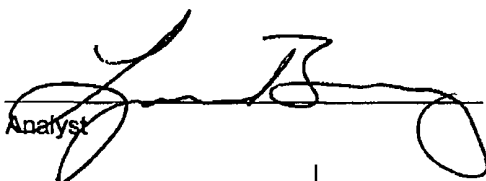
Client:	WPX	Project #:	04108-0136
Sample ID:	Rosa #148A	Date Reported:	09-30-11
Laboratory Number:	59720	Date Sampled:	09-21-11
Chain of Custody No:	12272	Date Received:	09-21-11
Sample Matrix:	Soil	Date Extracted:	09-23-11
Preservative:	Cool	Date Analyzed:	09-27-11
Condition:	Intact	Analysis Requested:	8015 TPH

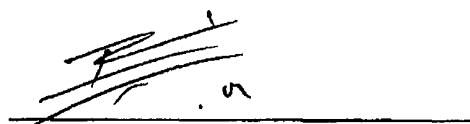
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	0.2	0.1
Total Petroleum Hydrocarbons	0.2	

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 #148 A


Analyst


Review

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

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	09-27-11 QA/QC	Date Reported:	09-29-11
Laboratory Number:	59668	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-27-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	40813	9.996E+02	1.000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	40813	9.996E+02	1.000E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	7.78	0.2
Diesel Range C10 - C28	2.36	0.1

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Range
Gasoline Range C5 - C10	ND	ND	0.00%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.00%	0 - 30%

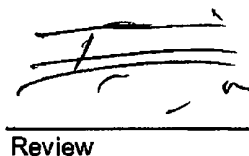
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	253	101%	75 - 125%
Diesel Range C10 - C28	ND	250	254	102%	75 - 125%

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 59668-59669, 59683, 59703-59704, 59716-59720, 59726-59730, 59744-59747.


 Analyst


 Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	WPX	Project #:	04108-0136
Sample ID:	Rosa #148A	Date Reported:	09-30-11
Laboratory Number:	59720	Date Sampled:	09-21-11
Chain of Custody:	12272	Date Received:	09-21-11
Sample Matrix:	Soil	Date Analyzed:	09-30-11
Preservative:	Cool	Date Extracted:	09-27-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

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.

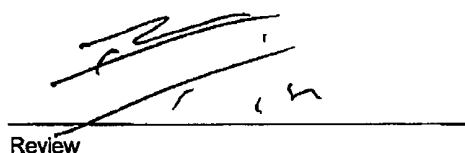
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	88.0 %
	1,4-difluorobenzene	88.2 %
	Bromochlorobenzene	91.9 %

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 #148 A

Analyst 

Review 

Client:	N/A	Project #:	N/A
Sample ID:	0930BBLK QA/QC	Date Reported:	09-30-11
Laboratory Number:	59720	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-30-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	3.3082E+006	3.3148E+006	0.2%	ND	0.1
Toluene	3.3551E+006	3.3618E+006	0.2%	ND	0.1
Ethylbenzene	2.9756E+006	2.9815E+006	0.2%	ND	0.1
p,m-Xylene	7.9855E+006	8.0015E+006	0.2%	ND	0.1
o-Xylene	2.7861E+006	2.7917E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	529	106%	39 - 150
Toluene	ND	500	532	106%	46 - 148
Ethylbenzene	ND	500	531	106%	32 - 160
p,m-Xylene	ND	1000	1,080	108%	46 - 148
o-Xylene	ND	500	535	107%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 Photolionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 59716-59720.

Analyst

Review

Client:	WPX	Project #:	04108-0136
Sample ID:	Rosa #148A	Date Reported:	09/26/11
Laboratory Number:	59720	Date Sampled:	09/21/11
Chain of Custody No:	12272	Date Received:	09/21/11
Sample Matrix:	Soil	Date Extracted:	09/26/11
Preservative:	Cool	Date Analyzed:	09/26/11
Condition:	Intact	Analysis Needed:	TPH-418.1

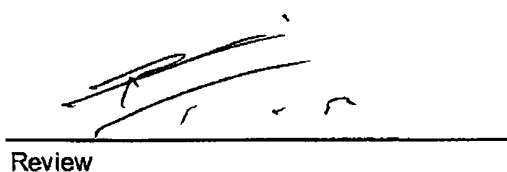
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	87.0	33.5
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ND = Parameter not detected at the stated detection limit.

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

Comments: Rosa #148 A


Analyst
Review

**EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	09/26/11
Laboratory Number:	09-26-TPH.QA/QC 59742	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	09/26/11
Preservative:	N/A	Date Extracted:	09/26/11
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	08/23/11	09/26/11	1,674	1,670	0.3%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	33.5

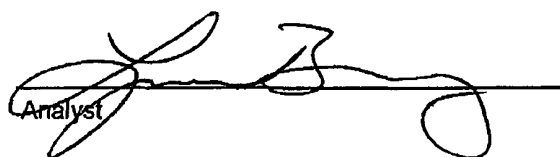
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	214	201	6.3%	+/- 30%

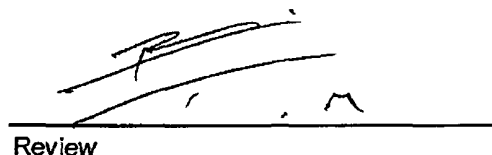
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	214	2,000	2,340	106%	80 - 120%

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 59742, 59716-59720 and 59728-59730.


 Analyst


 Review

Client:	WPX	Project #:	04108-0136
Sample ID:	Rosa #148A	Date Reported:	09/28/11
Lab ID#:	59720	Date Sampled:	09/21/11
Sample Matrix:	Soil	Date Received:	09/21/11
Preservative:	Cool	Date Analyzed:	09/23/11
Condition:	Intact	Chain of Custody:	12272

Parameter	Concentration (mg/Kg)
Total Chloride	10

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 #148 A**


Analyst
Review

CHAIN OF CUSTODY RECORD

12272

Client: WPX			Project Name / Location: Rosa #148A			ANALYSIS / PARAMETERS													
Client Address: Myra Lane			Sampler Name: Chris Green			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	PCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: 330-3198			Client No.: 04108-0136																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative													
						HgCl ₂	HCl												
Rosa #148A	9/21	1400	59720	Soil Solid	1														
				Sludge Aqueous															
				Soil Solid															
				Sludge Aqueous															
				Soil Solid															
				Sludge Aqueous															
				Soil Solid															
				Sludge Aqueous															
				Soil Solid															
				Sludge Aqueous															
				Soil Solid															
				Sludge Aqueous															
				Soil Solid															
				Sludge Aqueous															
Relinquished by: (Signature) [Signature]					Date	Time	Received by: (Signature) JUNI Winters										Date	Time	
Relinquished by: (Signature)							Received by: (Signature)												
Relinquished by: (Signature)							Received by: (Signature)												



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

Fields, Vanessa

From: Fields, Vanessa
Sent: Monday, September 12, 2011 2 23 PM
To: 'brad a.jones@state.nm.us'
Cc: 'Brandon Powell (Brandon.Powell@state.nm.us)'; Lane, Myke; Lucero, Christopher; Lepich, Mark, Dean, Stanley
Subject: Request for review of pit closure plans Rosa Unit#148A, Rosa Unit#152B

Brad,

We need to take the following below grade tanks out of service, and would like to close this existing BGT. We request your review to allow closure.

Well Site	API	FMT	SEC	TWN	RNG
Rosa Unit # 148A 06W	3003925776	Mesa Verde	02N	31N	
Rosa Unit # 152B 06W	3003926631	Mesa Verde	36C	32N	

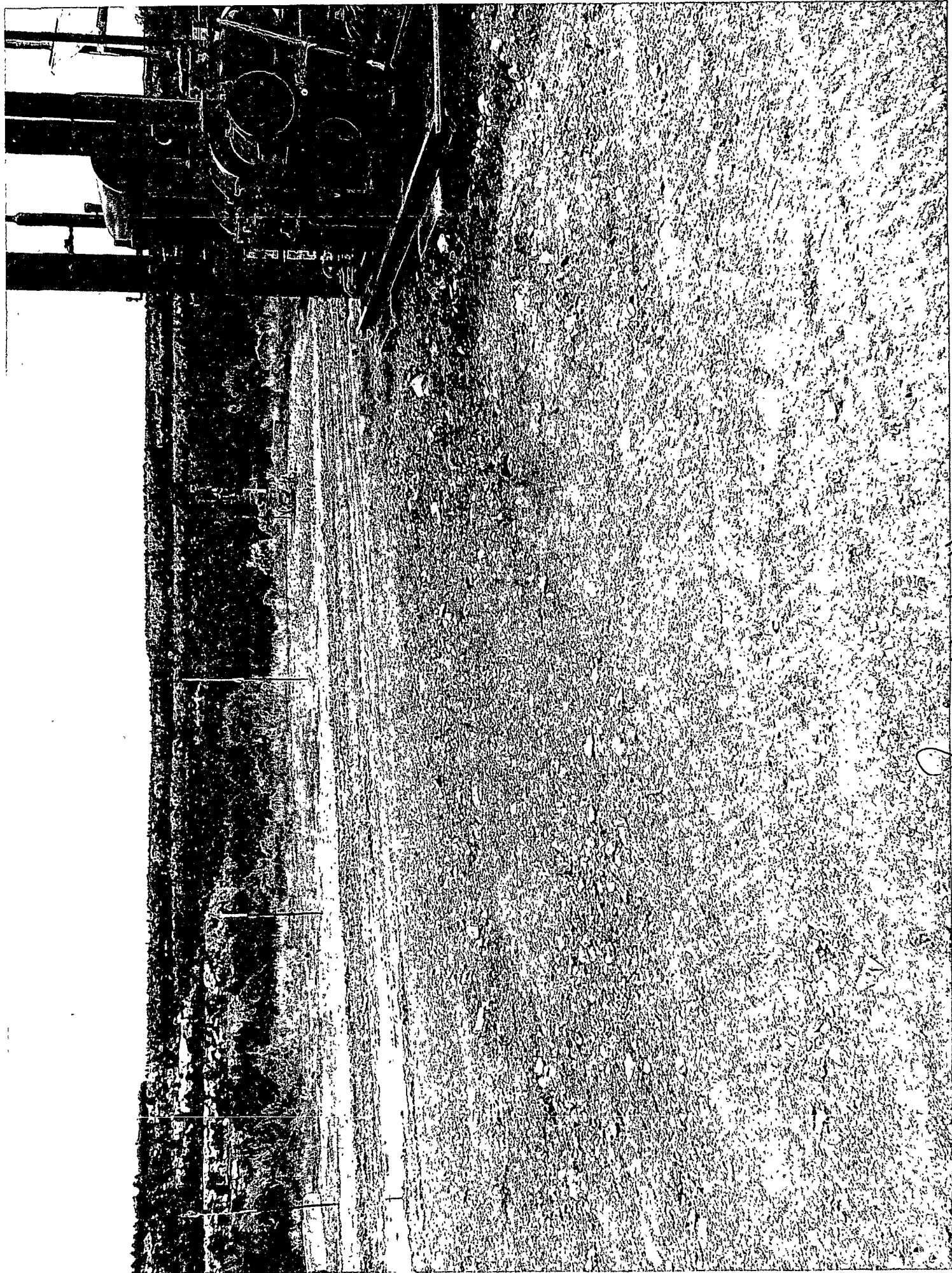
Please contact myself or Myke Lane should you have any questions or concerns.

Thank You,
Vanessa

Vanessa Fields



EH&S Coordinator
Williams Production
Office: 505-333-1880
Fax: 505-333-1850
Cell: 505-419-6219
vanessa.fields@williams.com



Williams Production
Rosa 148 A Mesa Verde
Sec 2 T 31 N R 6 W

north

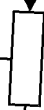


well head



production unit/meter

pit



rectifier



road



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	Vanessa Fields
Address	P.O. BOX 640, AZTEC, NM 87410	Telephone No.	(505) 333-1880
Facility Name	Rosa Unit #148A	Facility Type	Well Site

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
N	02	31N	06W					

Latitude 36.9235801N Longitude -107.435509W

NATURE OF RELEASE

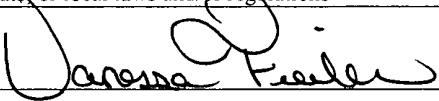
Type of Release	No Release Occurred	Volume of Release	Volume Recovered
Source of Release		Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?		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 * N/A

Describe Cause of Problem and Remedial Action Taken *
No action required

Describe Area Affected and Cleanup Action Taken *
N/A

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.

Signature 	OIL CONSERVATION DIVISION		
Printed Name Vanessa Fields	Approved by District Supervisor		
Title. EH&S Coordinator	Approval Date	Expiration Date:	
E-mail Address Vanessa.fields@williams.com	Conditions of Approval		Attached <input type="checkbox"/>
Date: 10-21-11	Phone (505) 333-1880		

* Attach Additional Sheets If Necessary