

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.

7331

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.

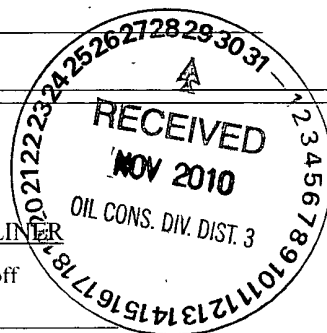
1.
Operator: WILLIAMS PRODUCTION COMPANY, LLC OGRID #: 120782
Address: PO Box 640 Aztec, NM 87410
Facility or well name: ROSA UNIT #034
API Number: 3003907984 OCD Permit Number: _____
Section 36B Township 32N Range 06W County RIO ARRIBA
Latitude: 36.941800000000001 Longitude 107.40548 NAD: 1983 Surface Owner: FEDERAL

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: FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
☒ 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 _____

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 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

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.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☒ No

☐ 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

☐ Yes ☒ No

☐ 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

☐ Yes ☐ No

☒ 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

☐ Yes ☒ 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

☐ Yes ☒ 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

☐ Yes ☒ 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

☐ Yes ☒ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☒ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☒ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☒ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☒ 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: _____

Approval Date: 2/06/2012Title: Compliance Officer

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: 8/22/10

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

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 _____ Longitude _____ NAD: ☐ 1927 ☐ 1983

25.

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 CoordinatorSignature: _____ Date: 11-24-10e-mail address: vanessa.fields@williams.com Telephone: 505-634-4209

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) 634-4209 |
| Facility Name | Rosa Unit # 034 | Facility Type | Well Site |

| | | |
|------------------------|----------------|-----------|
| Surface Owner: Federal | Mineral Owner: | Lease No. |
|------------------------|----------------|-----------|

LOCATION OF RELEASE

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| B | 36 | 32N | 06W | | | | | |

Latitude 36.941801N Longitude -107.40548W

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. | |

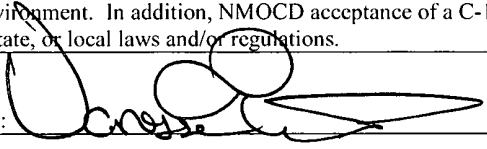
If a Watercourse was Impacted, Describe Fully.* N/A

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:  | <u>OIL CONSERVATION DIVISION</u> | | |
| 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: 11-24-10 | Phone: (505) 634-4209 | | |

* Attach Additional Sheets If Necessary



Exploration & Production
EO Box 640
Aztec NM 81137
505/634 4219
505/634 4214 fax

March 10, 2009

Mr. Mark Kelly
Bureau of Land Management
Farmington Field Office
1235 La Plata Hwy
Farmington, NM 87401

Sent via Certified Mail

RE Notification of Production Pit Closure
Rule 19.15.17.13 NMAC
Production Pits associated Natural Gas Development
Operated by Williams Production Co, LLC.

Pursuant to Rule 19.15.17.13 NMAC this correspondence is to notify the Bureau of Land Management, Farmington Field Office of Williams Production LLC's (Williams) intent to clean close all production pits on the attached list of wells operated with the District in San Juan County and Rio Arriba County, New Mexico. Closure will follow the plan included with this correspondence.

Thank you for your consideration. If there are any questions or additional information is requested, please contact me at (505) 634-4209.

Respectfully submitted,

Holly C. Perkins
EH&S Specialist

Encl: Williams Production Pit Inventory List (Federal wells)
San Juan Basin - New Mexico Assets - Below-Grade Tank Closure Plan

cc Environmental File

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, etc.). 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 NMOC/D 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-10030, API: 30-039-23035), Jilson 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 BLMOC to re-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 EPA cleaned for disposal as solid waste. Other 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 E 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 NMED Permit SWM 052426.

7. Any equipment associated with the BGL 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(f)(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-144.

Table 1. Closure Criteria for BGLs

| 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 |
| THH | EPA SW-846 Method 418.1 ^a | 100 |
| Chlorides | EPA SW-846 Method 300.1 ^a | 250 ^a |

^aMethod modified for solid waste.

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 (unimpacted) consisting of at least three native plant species, including of 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 reseedling 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, re-seeding 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 OGD within 60 days of the BGL closure on a Closure Report using Division Form C-144. The Report will include the following:

- Project Closure Checklist, signed by WFX
- Confirmation Sampling Results, signed by WFX
- Excavation & Cover Closure
- Landfill Facility Receipt and Permit Documentation
- Site Diagram with Measurements
- Application Rate & Seeding Rate, Evidence
- Available Information on BGL
- Photo Documentation of Excavation

| WELLS w/FEDERAL SURF MGT | API | FMT | SEC | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|------------------------------|------------|-------------------------|-----|-----|-----|----------|---|
| COX CANYON UNIT #001 | 3004511397 | BLANCO MV | 16N | 32N | 11W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| COX CANYON UNIT #001A | 3004522086 | BLANCO MV | 16C | 32N | 11W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| COX CANYON UNIT #001B | 3004530791 | BLANCO MV | 16I | 32N | 11W | BGT | HDPE SECONDARY LINER |
| COX CANYON UNIT #001C | 3004532023 | BLANCO MV | 16E | 32N | 11W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| COX CANYON UNIT #003 | 3004511495 | BLANCO MV | 9I | 32N | 11W | BGT | HDPE SECONDARY LINER |
| COX CANYON UNIT #003A | 3004522088 | BLANCO MV | 9P | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #003B | 3004530871 | BLANCO MV | 9J | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #004 | 3004511368 | BLANCO MV | 21A | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #004A | 3004522093 | BLANCO MV | 21P | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #004B | 3004532186 | BLANCO MV | 21F | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #005 | 3004511326 | BLANCO MV | 21K | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #005A | 3004522094 | BLANCO MV BASIN DK / | 21D | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #005B | 3004532142 | BLANCO MV | 21N | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #005C | 3004533493 | BLANCO MV | 21F | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #006 | 3004511463 | BLANCO MV | 16A | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #006A | 3004522095 | BLANCO MV | 16I | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #006B | 3004532693 | BLANCO MV | 16B | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #006C | 3004532733 | BLANCO MV | 16C | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #007 | 3004511455 | BLANCO MV | 17G | 32N | 11W | FGP | DBL WALL STEEL |
| COX CANYON UNIT #007A | 3004522091 | BLANCO MV | 17O | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #007C | 3004533018 | BASIN DK | 17K | 32N | 11W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| COX CANYON UNIT #008 | 3004511492 | BLANCO MV | 8I | 32N | 11W | BGT | HDPE SECONDARY LINER |
| COX CANYON UNIT #008A | 3004522096 | BLANCO MV | 17H | 32N | 11W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| COX CANYON UNIT #008B | 3004532080 | BLANCO MV | 8P | 32N | 11W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil |
| COX CANYON UNIT #008C | 3004531187 | BLANCO MV | 17P | 32N | 11W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| COX CANYON UNIT #009A COM | 3004522092 | BLANCO MV BASIN DK / | 20D | 32N | 11W | BGT | HDPE SECONDARY LINER |
| COX CANYON UNIT #009B COM | 3004533926 | BLANCO MV BASIN DK / | 20B | 32N | 11W | BGT | DBL WALL STEEL |
| COX CANYON UNIT #009C | 3003933851 | BLANCO MV | 20F | 32N | 11W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| COX CANYON UNIT #013 | 3004521489 | BLANCO PC | 20A | 32N | 11W | BGT | HDPE SECONDARY LINER |

| WELLS w/FEDERAL SURF MGT | API | FMT | SEC | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|-----------------------------|------------|-------------------------|-----|-----|-----|----------|---|
| COX CANYON UNIT #023 COM | 3004522537 | BLANCO PC | 17C | 32N | 11W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| COX CANYON UNIT #025 | 3004522572 | BLANCO PC | 9C | 32N | 11W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| COX CANYON UNIT #200 | 3004527878 | BASIN FIC | 9L | 32N | 11W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| COX CANYON UNIT #200A | 3004532126 | BASIN FIC | 9C | 32N | 11W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| COX CANYON UNIT #203 | 3004527872 | BASIN FIC | 17A | 32N | 11W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| MADDOX #001 | 3004511487 | BLANCO MV | 10N | 32N | 11W | BGT | DBL WALL STEEL |
| MADDOX #001A | 3004523539 | BLANCO MV | 10P | 32N | 11W | BGT | DBL WALL STEEL |
| NM 32-11 #001 | 3004511309 | BLANCO MV | 20C | 32N | 11W | BGT | DBL WALL STEEL |
| NM 32-11 #001B COM | 3004532024 | BASIN DK / BLANCO MV | 20J | 32N | 11W | BGT | DBL WALL STEEL |
| NM 32-11 #001C COM | 3004532804 | BASIN DK / BLANCO MV | 20L | 32N | 11W | BGT | DBL WALL STEEL |
| NM 32-11 #002 COM | 3004511380 | BLANCO MV | 19A | 32N | 11W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| NM 32-11 #002A COM | 3004529017 | BLANCO MV | 19C | 32N | 11W | BGT | DBL WALL STEEL |
| NM 32-11 #002B COM | 3004532670 | BLANCO MV | 19I | 32N | 11W | BGT | DBL WALL STEEL |
| NM 32-11 #002C COM | 3004533077 | BLANCO MV | 19G | 32N | 11W | BGT | DBL WALL STEEL |
| ROSA UNIT #001 SWD | 3003927055 | SWD | 23I | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #001E | 3003925411 | BASIN DK / BLANCO MV | 11P | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #005A | 3003925407 | BLANCO MV / ROSA PC | 26F | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #005B | 3003926927 | BASIN DK / BLANCO MV | 26B | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #005Y | 3003926078 | BLANCO MV | 26H | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #008 | 3003907944 | BLANCO MV / ROSA PC | 26M | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #008 | 3003907944 | BLANCO MV / ROSA PC | 26M | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #006A | 3003925430 | BLANCO MV / ROSA PC | 26D | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #008C | 3003926944 | BLANCO MV | 26N | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #009 | 3003907975 | BLANCO MV | 11K | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #009A | 3003925584 | BASIN DK / BLANCO MV | 11C | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #009B | 3003927042 | BLANCO MV | 11E | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #010B | 3003926556 | BLANCO MV | 13N | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #010C | 3003926918 | BLANCO MV | 13N | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #010E | 3003926556 | BLANCO MV | 13N | 31N | 06W | BGT | DBL WALL STEEL |

| WELLS w/FEDERAL SURF MGT | API | FMT | SEC | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|-----------------------------|------------|-------------------------|-----|-----|-----|----------|---|
| ROSA UNIT #012A | 3003925900 | BLANCO MV / ROSA PC | 15J | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #012B | 3003926555 | BLANCO MV BASIN DK / | 15F | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #012C | 3003929486 | BLANCO MV | 15A | 31N | 06W | SGT | SINGLE WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #013 | 3003907936 | BLANCO MV | 31G | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #013A | 3003926298 | BLANCO MV BASIN DK / | 31F | 31N | 05W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #013B COM | 3003929834 | BLANCO MV | 31A | 31N | 05W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #014 | 3003907958 | BLANCO MV | 23B | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #014A | 3003926280 | BLANCO MV BASIN DK / | 23F | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #014C | 3003930132 | BLANCO MV | 23H | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #015 | 3003907946 | BLANCO MV | 29H | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #016 | 3003907963 | BLANCO MV | 14N | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #016A | 3003925496 | BLANCO MV | 14C | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #016B | 3003926218 | BLANCO MV | 14M | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #017A | 3003926272 | BLANCO MV BASIN DK / | 20O | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #017B | 3003926971 | BLANCO MV | 20J | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #018 | 3003907960 | BLANCO MV / ROSA PC | 22H | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #018A | 3003925436 | BLANCO MV / ROSA PC | 22P | 31N | 06W | SGT | DBL WALL STEEL |
| ROSA UNIT #018B | 3003927052 | BLANCO MV | 22O | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #019 | 3003907955 | BLANCO MV | 24K | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #019B | 3003926560 | BLANCO MV | 24I | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #019C | 3003929625 | BLANCO MV | 24D | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #019C | 3003929625 | BLANCO MV | 24D | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #020 | 3003907969 | BLANCO MV | 14G | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #020A | 3003925495 | BLANCO MV | 14O | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #020B | 3003926220 | BLANCO MV | 14A | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #020C | 3003926221 | BLANCO MV | 14J | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #021A | 3003926121 | BLANCO MV | 23C | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #021B | 3003926554 | BLANCO MV | 23K | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #021 | 3003907971 | BLANCO MV | 18A | 31N | 05W | BGT | 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 | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #023 | 3003907942 | BLANCO MV | 29M | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #023E | 3003926554 | BLANCO MV BASIN DK / | 29E | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #023C | 3003927609 | BLANCO MV | 29L | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #024 | 3003907933 | BLANCO MV BASIN DK / | 32M | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #024A | 3003925568 | BLANCO MV BASIN DK / | 32E | 31N | 05W | SGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #024B | 3003926630 | BLANCO MV BASIN DK / | 32N | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #024C | 3003926968 | BLANCO MV BASIN DK / | 32C | 31N | 05W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #026A | 3003925580 | BLANCO MV | 32O | 31N | 05W | SGT | DBL WALL STEEL |
| ROSA UNIT #026B | 3003926788 | BASIN DK | 32G | 31N | 05W | SGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #029 | 3004511136 | BLANCO MV BASIN DK / | 32H | 32N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #029B | 3004530709 | BLANCO MV BASIN DK / | 32B | 32N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #029M | 3004529584 | BLANCO MV BASIN DK / | 32I | 32N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #030 COM | 3003925570 | BLANCO MV | 12O | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #030A | 3003926068 | BLANCO MV | 12M | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #030B | 3003926601 | BLANCO MV | 12N | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #030C | 3003929842 | BLANCO MV | 12P | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #031 | 3003926279 | BLANCO MV | 17C | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #031A | 3003926346 | BLANCO MV BASIN DK / | 17I | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #031B | 3003926579 | BLANCO MV | 17D | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #031C | 3003926578 | BLANCO MV BLANCO MV / | 17N | 31N | 05W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #032 | 3003925389 | ROSA PC BLANCO MV / | 21H | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #032A | 3003925417 | ROSA PC BASIN DK / | 21F | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil |
| ROSA UNIT #032B | 3003926771 | BLANCO MV BASIN DK / | 21G | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #032C | 3003927240 | BLANCO MV | 21F | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil- |
| ROSA UNIT #034 | 3003907984 | BLANCO MV | 36B | 32N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #034A | 3003926119 | BLANCO MV | 36I | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #034A | 3003926119 | BLANCO MV | 36I | 32N | 06W | SGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #034E | 3003926629 | BLANCO MV | 36J | 32N | 06W | BGT | HDPE SECONDARY LINER |

| WELLS w/FEDERAL SURF MGT | API | FMT | SEC | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|-----------------------------|------------|-------------------------|-----|-----|-----|----------|---|
| ROSA UNIT #034C | 3003926969 | BLANCO MV | 36H | 32N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #035X | 3004510996 | BLANCO MV | 5K | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #036 | 3003907977 | BLANCO MV | 11H | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #036C | 3003930182 | BLANCO MV | 11G | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #041 | 3003907981 | BLANCO MV | 5K | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #041B | 3003927014 | BLANCO MV | 6P | 31N | 05W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #044 | 3003925873 | BLANCO MV | 35K | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #044A | 3003926161 | BLANCO MV | 35E | 32N | 06W | SGT | SINGLE WALL STEEL |
| ROSA UNIT #044A | 3003926161 | BLANCO MV | 35E | 32N | 06W | SGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #044B | 3003926685 | BLANCO MV | 35C | 32N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #045 | 3003923013 | BLANCO MV | 9M | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #046A | 3003926986 | BLANCO MV | 8O | 31N | 05W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #051 | 3003920289 | BASIN DK | 23C | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #053 | 3003920293 | BASIN DK | 8B | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #055 | 3003920923 | BASIN DK | 34I | 31N | 05W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #059 DK | 3003923270 | BASIN DK | 25N | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #059 GL | 3003923270 | UNDES GL | 25N | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #060 | 3004529798 | BLANCO MV | 4I | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #064 | 3003921703 | BASIN DK | 29A | 31N | 05W | BGT | DBL WALL STEEL |
| ROSA UNIT #064 | 3003921703 | BASIN DK | 29A | 31N | 05W | SGT | DBL WALL STEEL |
| ROSA UNIT #064M | 3003925563 | BASIN DK / BLANCO MV | 29F | 31N | 05W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #065 | 3003921702 | BASIN DK | 17A | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #066 | 3003921758 | BASIN DK | 13L | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #066M | 3003925747 | BASIN DK / BLANCO MV | 13F | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #072 | 3003925509 | BLANCO MV | 6I | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #072A | 3003925795 | BLANCO MV | 6K | 31N | 05W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #075 | 3004529895 | BLANCO MV | 10I | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #075A | 3004529854 | BLANCO MV | 4O | 31N | 06W | BGT | HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #075 | 3003922538 | DK/UNDES GL/BLANCO | 33L | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |

| WELLS w/FEDERAL SURF MGT | API | FMT | 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 | BASIN DK / 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 #085B | 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 | 8F | 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 BASIN DK / | 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 | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|-----------------------------|------------|--------------------------|-----|-----|-----|----------|---|
| ROSA UNIT #119 | 3003925143 | BASIN DK | 16N | 31N | 05W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #125 | 3003925144 | BI ANCO MV | 13B | 31N | 06W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #125C | 3003929843 | BI ANCO MV | 13G | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #125E | 3003925526 | BASIN DK / BI ANCO MV | 13J | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #129 | 3003926304 | BI ANCO MV | 34E | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #129A | 3003926297 | BI ANCO MV | 34K | 32N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #137 | 3003925410 | BI ANCO MV | 31K | 31N | 05W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #137A | 3003926129 | BI ANCO MV / ROSA PC | 31I | 31N | 05W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil |
| ROSA UNIT #137B | 3003927002 | BI ANCO MV | 31P | 31N | 05W | BGT | HDPE SECONDARY LINER |
| ROSA UNIT #138 | 3004529147 | BI ANCO MV / ROSA PC | 17I | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #138A | 3004529134 | BI ANCO MV / ROSA PC | 17H | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #138B | 3004532168 | BI ANCO MV | 17J | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #139A | 3004529600 | BI ANCO MV | 17M | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #140 | 3003925435 | ROSA PC | 22K | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #144 | 3003925421 | ROSA PC | 26A | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #145C | 3004533086 | BI ANCO MV | 16F | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #146A | 3003925513 | BI ANCO MV | 28N | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #146C | 3003930187 | BI ANCO MV | 28B | 31N | 05W | BGT | DBL WALL STEEL |
| ROSA UNIT #148 | 3003925493 | BASIN DK | 20 | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #148A | 3003925776 | BI ANCO MV | 2N | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #148B | 3003926985 | BI ANCO MV | 2P | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #149 | 3003925501 | BI ANCO MV | 12G | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #149A | 3003925807 | BI ANCO MV | 12I | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #149B | 3003926599 | BASIN DK / BI ANCO MV | 12E | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #150 | 3004529229 | BI ANCO MV | 32F | 32N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #150A | 3004529592 | BI ANCO MV | 32M | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #150B | 3004530874 | BASIN DK / BI ANCO MV | 32D | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #150C | 3004532157 | BI ANCO MV | 32K | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #151 | 3004529267 | BI ANCO MV | 33C | 32N | 06W | BGT | DBL WALL STEEL |

| WELLS w/FEDERAL SURF MGT | API | FMT | SEC | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|-----------------------------|------------|-------------------------|-----|-----|-----|----------|---|
| ROSA UNIT #151A | 3004529631 | BLANCO MV | 33I | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #151C | 3004532196 | BLANCO MV | 33N | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #152 | 3003925494 | BLANCO MV | 36E | 32N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #152A | 3003925695 | BLANCO MV | 36N | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #152B | 3003926631 | BLANCO MV | 36C | 32N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #152C | 3003927635 | BLANCO MV | 36I | 32N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #153 | 3003925524 | BLANCO MV | 17O | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #153A | 3003926329 | BLANCO MV | 17A | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #153B | 3003927603 | BASIN DK / BLANCO MV | 17I | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #154 | 3003925893 | BLANCO MV | 7N | 31N | 05W | BGT | DBL WALL STEEL |
| ROSA UNIT #154A | 3003926274 | BLANCO MV | 7P | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #156 | 3004529661 | BLANCO MV | 9A | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #156A | 3004529640 | BLANCO MV | 9I | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #159 COM | 3003925583 | BASIN DK / BLANCO MV | 19O | 31N | 05W | BGT | DBL WALL STEEL |
| ROSA UNIT #159A | 3003926273 | BLANCO MV | 19N | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #15C | 3003930111 | BLANCO MV | 29G | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #160 | 3003925890 | BLANCO MV / ROSA PC | 25O | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #160A | 3003925818 | BLANCO MV | 25N | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #160B | 3003926962 | BASIN DK / BLANCO MV | 25I | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #160C | 3003929778 | BLANCO MV | 25J | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #162 | 3003926069 | BLANCO MV | 30K | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #162B | 3003929845 | BLANCO MV | 30P | 31N | 05W | BGT | DBL WALL STEEL |
| ROSA UNIT #163 | 3003926345 | BLANCO MV | 24G | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #163A | 3003926336 | BLANCO MV | 24O | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #163B | 3003929921 | BLANCO MV | 24B | 31N | 06W | SGT | DBL WALL STEEL |
| ROSA UNIT #163C | 3003929611 | BLANCO MV | 24J | 31N | 06W | SGT | SINGLE WALL STEEL |
| ROSA UNIT #164 | 3003926151 | BASIN DK / BLANCO MV | 1J | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #164A | 3003926080 | BLANCO MV | 1J | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |
| ROSA UNIT #164E | 3003927242 | BASIN DK / BLANCO MV | 1J | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER |

| WELLS w/FEDERAL SURF MGT | API | FMT | SEC | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|------------------------------------|------------|-------------------------|-----|-----|-----|----------|--|
| ROSA UNIT #165 | 3003926070 | BLANCO MV / ROSA PC | 25I | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #165A | 3003926150 | BLANCO MV BASIN DK / | 25B | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #165B | 3003926557 | BLANCO MV BASIN DK / | 25L | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #165C | 3003926961 | BLANCO MV | 25G | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #166 | 3003926275 | BLANCO MV | 30A | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #166A | 3003926282 | BLANCO MV | 30I | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #167A | 3004529886 | BLANCO MV | 8A | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #169 | 3003926130 | BLANCO MV | 3J | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #169A | 3003926149 | BLANCO MV | 3J | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #169C | 3003927717 | BLANCO MV | 2M | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #170 | 3003925851 | BLANCO MV | 21N | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #171 | 3003926286 | BLANCO MV | 7G | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #171A | 3003926389 | BLANCO MV | 7G | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #171B | 3003927013 | BLANCO MV | 6P | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #180 | 3004529898 | BLANCO MV | 9N | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #180B | 3004533134 | BLANCO MV | 9I | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #180C | 3004533191 | BLANCO MV | 9E | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #181 | 3003926463 | BLANCO MV | 11K | 31N | 06W | BGT | DBL WALL STEEL FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #181A | 3003926312 | BLANCO MV | 15A | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #181C (shared w/169C) | 3003927714 | BLANCO MV | 2M | 31N | 06W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #182 | 3003926283 | BLANCO MV | 18N | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #182A | 3003926285 | BLANCO MV | 18P | 31N | 05W | BGT | DBL WALL STEEL |
| ROSA UNIT #182C | 3003930180 | BLANCO MV | 18P | 31N | 05W | SGT | SINGLE WALL STEEL FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #183 | 3003926387 | BLANCO MV | 19G | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #183A | 3003926386 | BLANCO MV | 19I | 31N | 05W | BGT | FIBERGLASS TANK w/BANDED 20 mil HDPE SECONDARY LINER |
| ROSA UNIT #183B | 3003930087 | BLANCO MV BASIN DK / | 19B | 31N | 05W | BGT | DBL WALL STEEL |
| ROSA UNIT #185B | 3004532734 | BLANCO MV | 16F | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #185C | 3004534484 | BLANCO MV | 16F | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #185 | 3003930186 | BLANCO MV | 21G | 31N | 05W | BGT | DBL WALL STEEL |

| WELLS w/FEDERAL SURF MG1 | API | FMT | SEC | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|-----------------------------|------------|-----------|-----|-----|-----|----------|-----------------------|
| ROSA UNIT #231 | 3003924444 | BASIN ETC | 31N | 31N | 05W | SGT | SINGLE WALL STEEL |
| ROSA UNIT #335A | 3003930222 | BASIN ETC | 05J | 31N | 05W | SGT | SINGLE WALL STEEL |

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 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 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 19.15.17.11.1(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 surface owner of record. The surface owner 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 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. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USTR)
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 shutin 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 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).
5. Solids and sludges will be shoveled and /or vacuumed out for disposal at Envirotech (Permit Number NM-01-0011).
6. WPX 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 of 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.

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.
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) |
|------------|--|------------------------|
| 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 ⁽¹⁾ | 100 |
| Chlorides | EPA SW-846 Method 300.1 ⁽¹⁾ | 250 ⁽²⁾ |

⁽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 WPX determine there is a release, WPX 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 recontoured to match the native grade and prevent ponding.
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: If a surface owner agreement requires reseeding or other surface restoration that do not meet the revegetation requirements of 19.15.17.13.1 NMAC then WPX 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 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 & NMOCDD)
- Backfilling & Cover Installation
- Site Diagram with coordinates
- Available Inspection reports
- Confirmation Sampling Analytical Results
- Disposal Facility Name(s) and Permit Number(s)
- Application Rate & Seeding techniques
- Photo Documentation of Reclamation

Williams Production Co., LLC
San Juan Basin: New Mexico Assets
Production Pit: Fiberglass Below-Grade Tank

Although these tanks have performed well to protect the public health, welfare and environment, in accordance with Rule 19.15.17.13.A (4) NMAC, Williams will removed all BGTs constructed of fiberglass by June 16, 2013. These tanks do not meet the construction/design standards specified in 19.15.17.11 (1-4). The following plans describes the general design and construction (D&C) and Operations and Maintenance (O&M) of these production pits used on Williams Production Co, LLC (WPX) locations in the San Juan Basin of New Mexico.

Design and Construction Plan

The pit is located as close as possible to the well and associated production/process equipment to minimize surface disturbance. The excavation bottom and sidewalls were compacted prior to installation of the pit. The BGT consisted of single-wall fiberglass tank following appropriate API and industry codes, placed in a 20-mil High-Strength Polyethylene resin (Permeability Rating – 0.041 USPerms), and the liner banded to the tanks. A 2" Sch-40 PVC riser was placed between the tank and liner as a leak-detection inspection port. See the attached Schematic and liner spec sheet. The pit is protected from runoff by the construction of a compacted earthen berm. Fencing is constructed to protect livestock/wildlife as specified by the federal Surface Management Agency or, if not federal land/minerals requirements. WPX posts a well sign in accordance with the federal Surface Management Agency and rule 19.15.3.103.

Operations and Maintenance Plan

1. WPX only allows produced liquids meeting the RCRA exemption for O&G wastes to be stored in the SGT. WPX will not discharge or store any hazardous waste as defined under RCRA 40CFR 261 and 19.15.1.7.W(3) NMAC in any temporary pit. Produced water is disposed by evaporation or transport any of the following NMOCD approved facilities depending on the well location: Basin Disposal, Inc in Bloomfield, New Mexico (Permit # NM-01-005), Williams Rosa SWD#1 (Permit # SWD-916), Williams Rosa #94 (Permit # SWD-758), Burlington Resources Jillson SWD#1 (Permit # R10168A), or other NMOCD approved water disposal facilities. WPX maintains sufficient freeboard for to prevent overtopping. Discharges to the pit will be shutoff if the liquid level does not provided sufficient free-board and liquid removal can not be scheduled in a timely manner. Any oil or hydrocarbon collecting on the pit is removed. Saleable condensate is returned to the sales tank. Slop oil from compression is recycled with Safety Kleen, Farmington, NM or Hydropure, Aztec, NM (No Permit Required).
2. If the tank integrity is compromised:
 - a. All discharges will be shut off to the pit.
 - b. All liquids will be removed as soon as possible but no more that within 24 hours of discovery
 - c. WPX will notify and report to NMOCD as follows:
 - i. If the release is less than 25 bbls, the Aztec District Office by phone or email within 48-hours of discovery and repair.
 - ii. If the release is suspected to be greater than 25 bbls, the Aztec District Office and the Environmental Bureau Chief by phone for immediate verbal notification pursuant to 19.15.3.116.B (1)(d).
 - d. Written Spill/Release reports will be submitted on Form C-141 per 19.15.3.116.C NMAC within 15 days to the Aztec District Office.
3. Berms around the perimeter of the pit, shall be maintained as protection from run-on.
4. WPX will inspect the BGT pit monthly. Electronic copies of the inspections will be kept at the WPX San Juan Basin office for a minimum of five years following completion. Copies of the inspections will be available to NMOCD upon request.

Williams Production Co., LLC
San Juan Basin: New Mexico Assets
Production Pit: Below-Grade Tank
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 procedure for all out-of-service BGTs used to store produced liquids during production operations at gas wells 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. All closure activities will include proper documentation and will be submitted to OCD within 60 days of the pit closure on a Closure Report using Division Form C-144. The Report will include the following:

- Plot Plan (Pit Diagram)
- Available Inspection reports
- Sampling Results
- Waste disposal documentation

General Plan Requirements:

1. 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.
2. All produced water will be removed from the BGT following discharge-pipe rerouting. Produced water will be disposed of by injection at one of the Williams Production Rosa Unit Salt Water Disposal wells: Rosa SWD #1 (API: 30-039-27055) I-23-31N-06W Permit - SWD-916 or Rosa Unit #94 (API: 30-039-23035) K-16-31N-05W, Permit - SWD-758.
3. Notice of Closure will be given to the landowner or SMA, and 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)
4. The BGT and all associated materials will be removed, and recycled, reused, or disposed of in a Division-approved facility. All materials that can not be recycled or reused will be treated a solid waste and will be disposed of at a licensed disposal facility (probably San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426).
5. 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(B)(1)(b) NMAC. In the event that the criteria are not met (See Table 1), a release will be reported following Rule 116 and impacted soils will be excavated and hauled to Envirotech Landfarm near Bloomfield, NM (NMOCD Permit NM-01-0011). Approval to haul will be requested of the Aztec District office prior to initiation.

Table 1: Closure Criteria for BGTs

| 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 8015 M(Full Range)* or Method 418.1 | 100 |
| Chlorides | EPA SW-846 Method 300.1 | 250 |

* Preferred method

6. 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. The surface will be re-contoured to match the native grade.
7. 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.) or Land owner as part of a surface use agreement or APD are Division-approved methods unless notified by the Division of their unacceptability.*
8. For those portions of the former pit area required for production activities, re-seeding will be done at well abandonment, and following the procedure noted above.

Williams Production Co., LLC
San Juan Basin: New Mexico Assets
Production Pit: Fiberglass Below-Grade Tank

Although these tanks have performed well to protect the public health, welfare and environment, in accordance with Rule 19.15.17.13.A (4) NMAC, Williams will removed all BGTs constructed of fiberglass by June 16, 2013. These tanks do not meet the construction/design standards specified in 19.15.17.11 (1-4). The following plans describes the general design and construction (D&C) and Operations and Maintenance (O&M) of these production pits used on Williams Production Co, LLC (WPX) locations in the San Juan Basin of New Mexico.

Design and Construction Plan

The pit is located as close as possible to the well and associated production/process equipment to minimize surface disturbance. The excavation bottom and sidewalls were compacted prior to installation of the pit. The BGT consisted of single-wall fiberglass tank following appropriate API and industry codes, placed in a 20-mil High-Strength Polyethylene resin (Permeability Rating – 0.041 USPerms), and the liner banded to the tanks. A 2" Sch-40 PVC riser was placed between the tank and liner as a leak-detection inspection port. See the attached Schematic and liner spec sheet. The pit is protected from runoff by the construction of a compacted earthen berm. Fencing is constructed to protect livestock/wildlife as specified by the federal Surface Management Agency or, if not federal land/minerals requirements. WPX posts a well sign in accordance with the federal Surface Management Agency and rule 19.15.3.103.

Operations and Maintenance Plan

1. WPX only allows produced liquids meeting the RCRA exemption for O&G wastes to be stored in the SGT. WPX will not discharge or store any hazardous waste as defined under RCRA 40CFR 261 and 19.15.1.7.W(3) NMAC in any temporary pit. Produced water is disposed by evaporation or transport any of the following NMOCD approved facilities depending on the well location: Basin Disposal, Inc in Bloomfield, New Mexico (Permit # NM-01-005), Williams Rosa SWD#1 (Permit # SWD-916), Williams Rosa #94 (Permit # SWD-758), Burlington Resources Jillson SWD#1 (Permit #R10168A), or other NMOCD approved water disposal facilities. WPX maintains sufficient freeboard for to prevent overtopping. Discharges to the pit will be shutoff if the liquid level does not provided sufficient free-board and liquid removal can not be scheduled in a timely manner. Any oil or hydrocarbon collecting on the pit is removed. Saleable condensate is returned to the sales tank. Slop oil from compression is recycled with Safety Kleen, Farmington, NM or Hydropure, Aztec, NM (No Permit Required).
2. If the tank integrity is compromised:
 - a. All discharges will be shut off to the pit.
 - b. All liquids will be removed as soon as possible but no more that within 24 hours of discovery
 - c. WPX will notify and report to NMOCD as follows:
 - i. If the release is less than 25 bbls, the Aztec District Office by phone or email within 48-hours of discovery and repair.
 - ii. If the release is suspected to be greater than 25 bbls, the Aztec District Office and the Environmental Bureau Chief by phone for immediate verbal notification pursuant to 19.15.3.116.B (1)(d).
 - d. Written Spill/Release reports will be submitted on Form C-141 per 19.15.3.116.C NMAC within 15 days to the Aztec District Office.
3. Berms around the perimeter of the pit, shall be maintained as protection from run-on.
4. WPX will inspect the BGT pit monthly. Electronic copies of the inspections will be kept at the WPX San Juan Basin office for a minimum of five years following completion. Copies of the inspections will be available to NMOCD upon request.

Williams Production Co., LLC
San Juan Basin: New Mexico Assets
Production Pit: Below-Grade Tank
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 procedure for all out-of-service BGTs used to store produced liquids during production operations at gas wells 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. All closure activities will include proper documentation and will be submitted to OCD within 60 days of the pit closure on a Closure Report using Division Form C-144. The Report will include the following:

- Plot Plan (Pit Diagram)
- Available Inspection reports
- Sampling Results
- Waste disposal documentation

General Plan Requirements:

1. 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.
2. All produced water will be removed from the BGT following discharge-pipe rerouting. Produced water will be disposed of by injection at one of the Williams Production Rosa Unit Salt Water Disposal wells: Rosa SWD #1 (API: 30-039-27055) I-23-31N-06W Permit - SWD-916 or Rosa Unit #94 (API: 30-039-23035) K-16-31N-05W, Permit - SWD-758.
3. Notice of Closure will be given to the landowner or SMA, and 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)
4. The BGT and all associated materials will be removed, and recycled, reused, or disposed of in a Division-approved facility. All materials that can not be recycled or reused will be treated a solid waste and will be disposed of at a licensed disposal facility (probably San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426).
5. 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(B)(1)(b) NMAC. In the event that the criteria are not met (See Table 1), a release will be reported following Rule 116 and impacted soils will be excavated and hauled to Envirotech Landfarm near Bloomfield, NM (NMOCD Permit NM-01-0011). Approval to haul will be requested of the Aztec District office prior to initiation.

Table 1: Closure Criteria for BGTs

| Components | Testing Method | 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 8015 M(Full Range)* or Method 418.1 | 100 |
| Chlorides | EPA SW-846 Method 300.1 | 250 |

* Preferred method

6. 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. The surface will be re-contoured to match the native grade.
7. 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.) or Land owner as part of a surface use agreement or APD are Division-approved methods unless notified by the Division of their unacceptability.*
8. For those portions of the former pit area required for production activities, re-seeding will be done at well abandonment, and following the procedure noted above.

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 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 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 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 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. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USTR)
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 shutin 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 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).
5. Solids and sludges will be shoveled and /or vacuumed out for disposal at Envirotech (Permit Number NM-01-0011).
6. WPX 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 of 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.

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.
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) |
|------------|--|------------------------|
| 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 ⁽¹⁾ | 100 |
| Chlorides | EPA SW-846 Method 300.1 ⁽¹⁾ | 250 ⁽²⁾ |

⁽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 WPX determine there is a release, WPX 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 recontoured to match the native grade and prevent ponding.
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: If a surface owner agreement requires reseeding or other surface restoration that do not meet the revegetation requirements of 19.15.17.13.1 NMAC then WPX 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 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)
- Application Rate & Seeding techniques
- Photo Documentation of Reclamation



envirotech
Analytical Laboratory

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

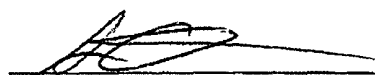
| | | | |
|----------------------|----------|---------------------|------------|
| Client: | Williams | Project #: | 04108-0136 |
| Sample ID: | Rosa #34 | Date Reported: | 07-30-10 |
| Laboratory Number: | 55359 | Date Sampled: | 07-26-10 |
| Chain of Custody No: | 9579 | Date Received: | 07-29-10 |
| Sample Matrix: | Soil | Date Extracted: | 07-29-10 |
| Preservative: | | Date Analyzed: | 07-29-10 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

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


ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Rosa Unit #34**



Analyst



Review



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

| | | | |
|--------------------|--------------------|---------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | 07-29-10 QA/QC | Date Reported: | 07-30-10 |
| Laboratory Number: | 55357 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 07-29-10 |
| Condition: | N/A | Analysis Requested: | TPH |

| | I-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|-------------------------|------------|-------------|-------------|--------------|---------------|
| Gasoline Range C5 - C10 | 05-07-07 | 9.9960E+002 | 1.0000E+003 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 9.9960E+002 | 1.0000E+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 | ND | ND | 0.0% | 0 - 30% |
| Diesel Range C10 - C28 | ND | ND | 0.0% | 0 - 30% |

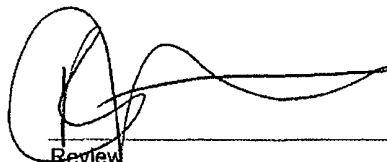
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept. Range |
|-------------------------|--------|-------------|--------------|------------|---------------|
| Gasoline Range C5 - C10 | ND | 250 | 250 | 99.8% | 75 - 125% |
| Diesel Range C10 - C28 | ND | 250 | 262 | 105% | 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 55357-55365


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|-------------------------------|---------------------|------------|
| Client: | Williams | Project #: | 04108-0136 |
| Sample ID: | Rosa #34 | Date Reported: | 07-30-10 |
| Laboratory Number: | 55359 | Date Sampled: | 07-26-10 |
| Chain of Custody: | 9579 | Date Received: | 07-29-10 |
| Sample Matrix: | Soil | Date Analyzed: | 07-29-10 |
| Preservative: | | Date Extracted: | 07-29-10 |
| Condition: | Not Intact-Not headspace free | Analysis Requested: | BTEX |

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

ND - Parameter not detected at the stated detection limit.

| | | |
|-----------------------|---------------------|------------------|
| Surrogate Recoveries: | Parameter | Percent Recovery |
| | Fluorobenzene | 96.6 % |
| | 1,4-difluorobenzene | 102 % |
| | Bromochlorobenzene | 99.4 % |

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 #34


Analyst


Review



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0730BBLK QA/QC | Date Reported: | 07-30-10 |
| Laboratory Number: | 55357 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 07-29-10 |
| Condition: | N/A | Analysis: | BTEX |

| Calibration and Detection Limits (ug/L) | I-Cal RF: | C-Cal RF: | %Diff. Accept. Range 0 - 15% | Blank Conc | Detect. Limit |
|--|-------------|-------------|---------------------------------|---------------|------------------|
| Benzene | 1.0597E+006 | 1.0619E+006 | 0.2% | ND | 0.1 |
| Toluene | 1.1590E+006 | 1.1613E+006 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.0413E+006 | 1.0433E+006 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.6113E+006 | 2.6165E+006 | 0.2% | ND | 0.1 |
| o-Xylene | 9.5705E+005 | 9.5897E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc. (ug/Kg) | Sample | Duplicate | %Diff. | Accept Range | Detect. Limit |
|-------------------------|--------|-----------|--------|--------------|---------------|
| Benzene | 1.3 | 1.1 | 15.4% | 0 - 30% | 0.9 |
| Toluene | 16.4 | 16.8 | 2.4% | 0 - 30% | 1.0 |
| Ethylbenzene | 1.5 | 1.2 | 20.0% | 0 - 30% | 1.0 |
| p,m-Xylene | 13.1 | 12.6 | 3.8% | 0 - 30% | 1.2 |
| o-Xylene | 4.7 | 4.7 | 0.0% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | 1.3 | 50.0 | 50.6 | 101% | 39 - 150 |
| Toluene | 16.4 | 50.0 | 51.1 | 98.9% | 46 - 148 |
| Ethylbenzene | 1.5 | 50.0 | 49.7 | 99.2% | 32 - 160 |
| p,m-Xylene | 13.1 | 100 | 101 | 100% | 46 - 148 |
| o-Xylene | 4.7 | 50.0 | 51.0 | 101% | 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 55357-55365

Analyst

Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

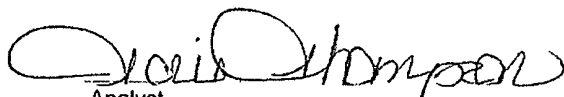
| | | | |
|----------------------|----------|------------------|------------|
| Client: | Williams | Project #: | 04108-0136 |
| Sample ID: | Rosa #34 | Date Reported: | 07-30-10 |
| Laboratory Number: | 55359 | Date Sampled: | 07-26-10 |
| Chain of Custody No: | 9579 | Date Received: | 07-29-10 |
| Sample Matrix: | Soil | Date Extracted: | 07-30-10 |
| Preservative: | | Date Analyzed: | 07-30-10 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

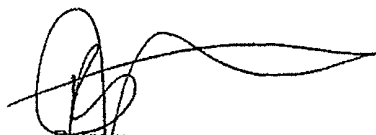
| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|------------------------------|--------------------------|--------------------------|
| Total Petroleum Hydrocarbons | 38.0 | 10.4 |

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 #34


Analyst


Review



EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS
QUALITY ASSURANCE REPORT

| | | | |
|--------------------|-----------------------|------------------|----------|
| Client: | QA/QC | Project #: | N/A |
| Sample ID: | QA/QC | Date Reported: | 07-30-10 |
| Laboratory Number: | 07-30-TPH.QA/QC 55361 | Date Sampled: | N/A |
| Sample Matrix: | Freon-113 | Date Analyzed: | 07-30-10 |
| Preservative: | N/A | Date Extracted: | 07-30-10 |
| Condition: | N/A | Analysis Needed: | TPH |

| Calibration | I-Cal Date | C-Cal Date | I-Cal RF: | C-Cal RF: | % Difference | Accept. Range |
|-------------|------------|------------|-----------|-----------|--------------|---------------|
| | 07-29-10 | 07-30-10 | 1,860 | 1,770 | 4.8% | +/- 10% |

| Blank Conc. (mg/Kg) | Concentration | Detection Limit |
|---------------------|---------------|-----------------|
| TPH | ND | 10.4 |

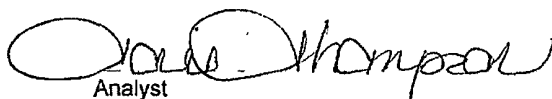
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |
|-------------------------|--------|-----------|--------------|---------------|
| TPH | 77.4 | 76.7 | 0.9% | +/- 30% |

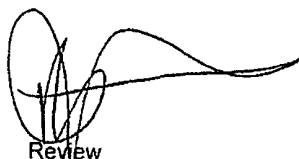
| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|---------------------|--------|-------------|--------------|------------|--------------|
| TPH | 77.4 | 2,000 | 1,860 | 89.5% | 80 - 120% |

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 55357-55364


Analyst


Review



Chloride

Client: Williams
Sample ID: Rosa #34
Lab ID#: 55359
Sample Matrix: Soil
Preservative:
Condition: Intact

Project #: 04108-0136
Date Reported: 07-30-10
Date Sampled: 07-26-10
Date Received: 07-29-10
Date Analyzed: 07-30-10
Chain of Custody: 9579

Parameter


Concentration (mg/Kg)

Total Chloride

20

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 #34


Analyst


Review

CHAIN OF CUSTODY RECORD

09579

| Client: Williams | | | Project Name / Location: Rosa Unit #34 | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------|-------------------|---|-----------------------|---|--|--|---------------------|--------------------|--|--|--|--|--|--|---|---|--|--|-------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|-------------|---------------|--|--|--|--|-------------|---------------|---|---|--|--|--|--|--|--|---|---|--|--|--|--|--|--|---|---|
| Client Address: 721 S. Main | | | Sampler Name: Matt Basye | | | <table border="1"> <tr> <td>TPH (Method 8015)</td> <td>BTEX (Method 8021)</td> <td>VOC (Method 8260)</td> <td>RCRA 8 Metals</td> <td>Cation / Anion</td> <td>RCI</td> <td>TCLP with H/P</td> <td>PAH</td> <td>TPH (418.1)</td> <td>CHLORIDE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Sample Cool</td> <td>Sample Intact</td> </tr> <tr> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>N</td> <td>N</td> </tr> </table> | | | | | | | | | | | | | | 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 | X | X | | | | | | | X | X | | | | | | | N | N |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | |
| X | X | | | | | | | X | X | | | | | | | N | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Client Phone No.: 634-4241 | | | Client No.: 04108-036 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rosa #34 | 7/29/10 | 9:00am | 55359 | Soil Solid | 4oz | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 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) Natasha Meador | | | Date 7/29/10 | Time 1:45 | Received by: (Signature) [Signature] | | | Date 7/29/10 | Time 1:45pm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



envirotech
Analytical Laboratory

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



WM of NM - San Juan
78 County Road 3140
Aztec, NM, 87410
Ph: (505) 334-1121

Original
Ticket# 1298223

Customer Name WILLIAMSPRO WILLIAMS PRODUCTI Carrier HALO HALO SERVICES INC
Ticket Date 08/13/2010 Vehicle# T15 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000114
State Waste Code Gen EPA ID
Manifest Grid
Destination
PO
Profile ()
Generator

RECEIVED

AUG 24 2010

WPX

| | Time | Scale | Operator | Inbound | Gross | |
|-----|---------------------|--------------|----------|---------|-------|----------|
| In | 08/13/2010 07:50:54 | Inbound 301 | nbaca | | Tare | 55260 lb |
| Out | 08/13/2010 08:51:09 | Outbound 301 | nbaca | | Net | 47660 lb |
| | | | | | Tons | 7600 lb |
| | | | | | | 3.80 |

Comments

| Product | LD% | Qty | UOM | Rate | Tax | Amount | Origin |
|----------------|-----|---------|-------|-------|------|--------|-------------------|
| MLY-MSW-Loose- | | Yds 100 | 10.00 | Yards | 5.51 | 3.48 | \$55.10 RIOARRIBA |

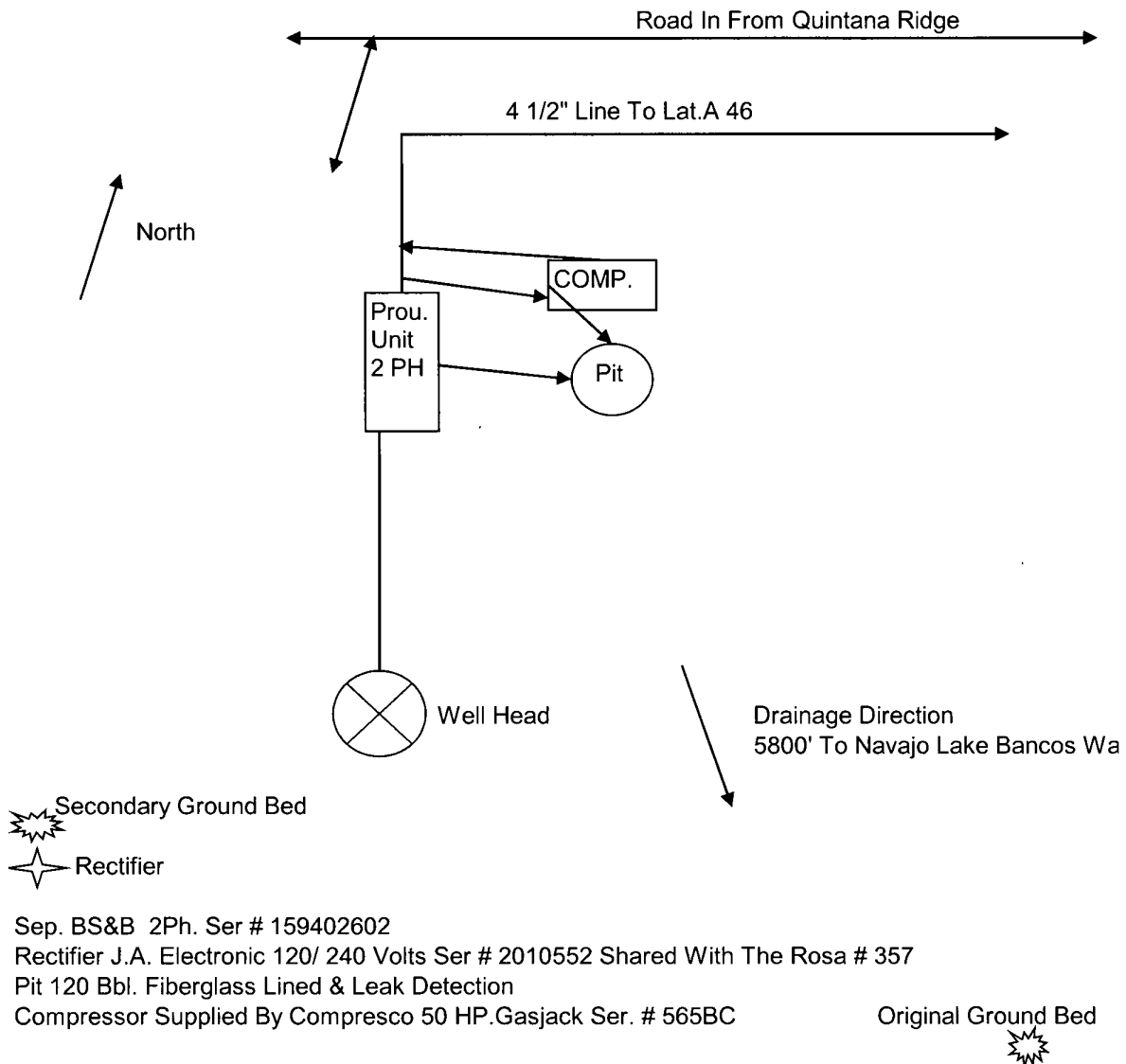
Marcus Chumey
Halo Services
T-15
Williams Production
100, 100, 1E, 153A, 65,
80, 31.34C

Total Tax \$3.48
Total Ticket \$58.58

Driver's Signature



Williams Production Company
 Rosa # 34 M.V. St #7260201
 Sec. 36 T32N R6W 990' FNL 1650' FEL
 Rio Arriba County N.M.



Sep. BS&B 2Ph. Ser # 159402602

Rectifier J.A. Electronic 120/ 240 Volts Ser # 2010552 Shared With The Rosa # 357

Pit 120 Bbl. Fiberglass Lined & Leak Detection

Compressor Supplied By Compresco 50 HP.Gasjack Ser. # 565BC

Original Ground Bed

Fields, Vanessa

From: Lane, Myke
Sent: Tuesday, November 23, 2010 12:56 PM
To: Fields, Vanessa
Subject: FW: Pit Closure Notice

34 Notice

Myke Lane
WPX - San Juan Basin EH&S Team Leader
505/634-4219 (off) 505/330-3198 (mob)

"Every new beginning starts with some other beginning's end!" ---Closing Time by Semisonic

From: Meador, Tasha
Sent: Wednesday, July 21, 2010 4:09 PM
To: Meador, Tasha; 'Powell, Brandon, EMNRD'
Cc: Lane, Myke; Basye, Matt
Subject: Pit Closure Notice

Brandon: Williams tentatively plans to initiate closure of the following BGT this week, depending on weather and available resources.

| WELLSITE | API | FMT | SEC | TWN |
|----------------|------------|-----------|-----|-----|
| Rosa Unit #034 | 3003907984 | BLANCO MV | 36B | 06W |

Please contact me if there are any problems or you request additional information. Thanks for your consideration.

Tasha Meador

EH&S Coordinator
Williams Exploration & Production
721 S Main Aztec, NM
Office: 505-634-4200
Direct: 505-634-4241
Fax: 505-634-4205
tasha.meador@williams.com

04-64

Rosa Unit # 034

| Date | WellName | Run | Formation | Construction | SGT. BGT, Above | Liner | Leak detection | | Pit | Comments / Repairs needed |
|------------|-------------------|-------|------------|--------------|-----------------------|---|----------------|-------|-------|------------------------------|
| | | | | | | Banded Plastic liner, Double Wall Steel, Bottom Plastic Liner | Y/N | level | level | |
| 9/4/2008 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | Banded Plastic Liner. | Yes | 1" | 16" | |
| 9/9/2008 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | Plastic Liner. | Yes | 1" | 20" | |
| 10/29/2008 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | YES | 1" | 16" | |
| 11/18/2008 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | Yes | 3" | 17" | |
| 1/2/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 6" | 46" | |
| 1/22/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 2" | 12" | |
| 2/12/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | | | |
| 3/5/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 2" | 30" | |
| 5/12/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 2" | 20" | |
| 6/1/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 2" | 20" | |
| 7/23/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 60" | 1" | |
| 8/20/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 24" | |

| | | | | | | | | | | |
|------------|-------------------|-------|------------|------------|-----|----|-----|-----|-----|--------------------------------------|
| 9/28/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 33" | |
| 10/27/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 48" | |
| 11/16/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 52" | |
| 12/23/2009 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 18" | |
| 1/19/2010 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 24" | |
| 2/11/2010 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 38" | |
| 3/18/2010 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 12" | 44" | think this level on leak is do to |
| 4/22/2010 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 2" | 18" | |
| 5/18/2010 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 23" | |
| 6/24/2010 | ROSA UNIT #034 | 04-64 | Mesa Verde | FIBERGLASS | BGT | NO | yes | 1" | 30" | |

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**

7331

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 COMPANY, LLC OGRID #: 120782
Address: PO Box 640 Aztec, NM 87410
Facility or well name: ROSA-UNIT #034
API Number: 3003907984 OCD Permit Number: _____
Section 36B Township 32N Range 06W County RIO ARRIBA
Latitude: 36.941800000000001 Longitude 107.40548 NAD: 1983 Surface Owner: FEDERAL

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 _____

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: FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER

☒ 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.

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

Well: (Rosa Unit#034)
API No: 30-03907984
Location: B-S36-T32N-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.(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 (07/21/2010). 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 separator and piped all liquids to the Rosa Unit#034Produced 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 | 38.0 |
| Chlorides | EPA SW-846 Method 300.1 ⁽¹⁾ | 250 ⁽²⁾ | 20 |

⁽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.

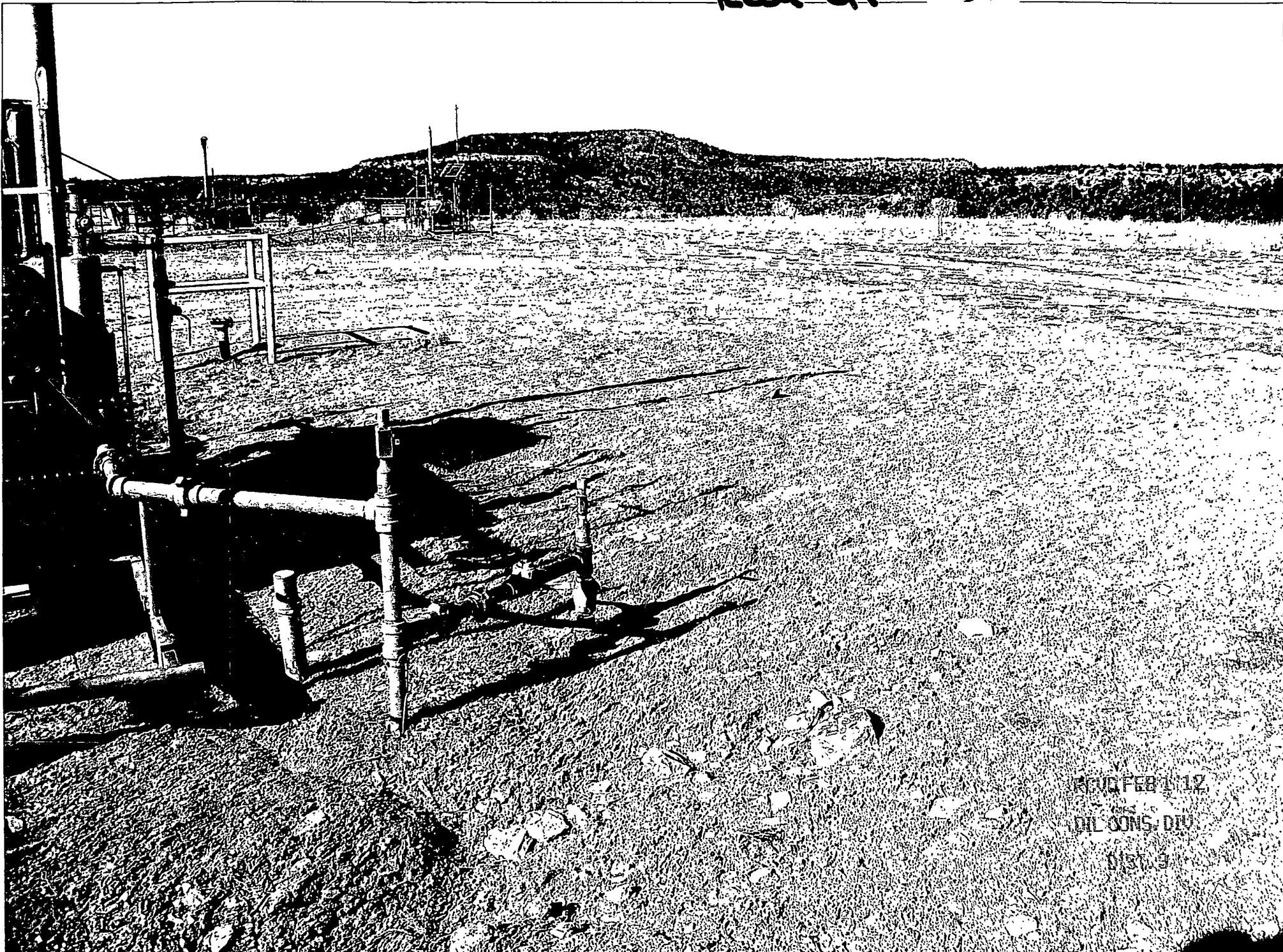
12. For those portions of the former pit area required for production activities, reseeding will be done at well abandonment, and following the procedure noted above. See above notes.

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

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OIL CONS. DIV.
DIST. 9