

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**

10901 Revised
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: WPX ENERGY PRODUCTION Co, LLC OGRID #: 120782
Address: PO Box 640/721 So. Main, Aztec, NM 87410 **RCVD JAN 30 '13**
Facility or well name: Rosa Unit #032 **OIL CONS. DIV. DIST. 3**
API Number: 30-039-25389 OCD Permit Number: _____
U/L or Qtr/Qtr H Section 21 Township 31N Range 06W County: Rio Arriba
Center of Proposed Design: Latitude 36.88868 Longitude -107.46251 NAD: ☒ 1927 ☐ 1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☐ Lined ☐ Unlined Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____ bbl Dimensions: L _____ x W _____ x D _____

3.
☐ **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
Type of Operation: ☐ P&A ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other _____
☐ Lined ☐ Unlined Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____

4.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 120 bbl Type of fluid: Produced Water
Tank Construction material: Single-wall Steel
☐ Secondary containment with leak detection ☒ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness 40 mil ☐ HDPE ☐ PVC ☒ Other LLDPE (See Specs attached)

5.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.

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

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

7.

Netting: Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

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

8.

Signs: Subsection C of 19.15.17.11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19.15.3.103 NMAC

9.

Administrative Approvals and Exceptions:

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

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

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

10.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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 indentify 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: Jonathan R. Kelly Approval Date: 6/27/2013

Title: 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: November 30, 2012 _____

22.

Closure Method:

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

23.

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

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

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

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

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

24.

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

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

On-site Closure Location: Latitude _____ 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 Coordinator

Signature: Vanessa Fields Date: 1-28-2013

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

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

Well: (Rosa Unit #032)
API No: 30-03925389
Location: H S21 T31N R06W

In accordance with Rule 19.15.17.13 NMAC, the following report describes the general closure of the referenced below-grade tanks (BGT) on WPX ENERGY 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 (November 20,2012). 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 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).
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. WPX ENERGY 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 copy of the disposal ticket is attached. Note work charged to Rosa 72B New Drill AFE.

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 also removed for collocated well. 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	1210
Chlorides	EPA SW-846 Method 300.1 ⁽¹⁾	250 ⁽²⁾	30

⁽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 ENERGY determine there is a release, WPX ENERGY will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC.

No release detected.

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

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

11. For those portions of the former pit area no longer required for production activities, WPX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant

species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: WPX assumes the seeding stipulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) APD are Division-approved methods unless notified by the Division of their unacceptability. If a landowner agreement requires reseeding or other surface restoration that does not meet the revegetation requirements of 19.15.17.13, then WPX will submit the proposed alternative with written documentation that the landowner agrees to the alternative, for Division approval.

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

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

Closure Report:

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

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

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

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

Closure Conditions and Timing:

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

- The Division requires closure because of imminent danger to fresh water, public health or the environment.
- The integrity of the BGT fails. Notification will be within 48 hours to the Division and closure will be 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 & 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

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 initiated within 60 days of cessation of the BGT's operation.
- BGTs installed prior to June 16, 2008 that do not meet the requirements under 19.15.17.11.1(6) NMAC and WPX chooses not to retrofit or upgrade. Closure under these conditions will be completed within five years (by June 16, 2013).

General Plan Requirements:

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

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 Williams determine there is a release, Williams will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC.
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.
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 do not meet the revegetation requirements of 19.15.17.13, it then WPX will submit the proposed alternative with written documentation that the landowner 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)
- Re-vegetation Application Rate & Seeding techniques
- Photo Documentation of Reclamation



Exploration & Production
PO 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,

A handwritten signature in black ink that reads "Holly C. Perkins". The signature is written in a cursive, flowing style.

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:

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- 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 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. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USIR)
3. All piping will be rerouted to an alternative produced water storage/disposal location (e.g. surface tanks, temporary frac tank, ...). The well will be temporarily shut in until the rerouting is completed.
4. All produced water will be removed from the BGT following discharge-pipe rerouting. Produced water will be disposed at one of the following NMOC 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 NMOC 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. Liner materials will

be cleaned without soils or contaminated material for disposal as solid waste. Fiberglass tanks and liner materials will meet the conditions of paragraph 1 subsection D of 19.15.9.712 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 BGI that is no longer required for some other purpose, following the closure will be removed from the location.
8. Following removal of the tank and any liner material, a five-point composite sample will be taken of the excavation and tested per 19.15.17.13(E)(4) NMAC as identified in Table 1. Grab samples will be collected from any area that is wet, discolored or showing other evidence of a release. Results will be report to the Division following receipt from the lab on Form C-141.

Table 1: Closure Criteria for BGIs

Components	Testing Methods	Closure Limits (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2
BTEX	EPA SW-846 Method 8021B or 8260B	50
TPH	EPA SW-846 Method 418.1 ⁽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 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, 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. Repeal seeding or planting will be continued until successful vegetative growth occurs. *Note: If a surface owner agreement requires reseeding or other surface restoration that do not meet re-vegetation requirements of 19.15.17.13.1 NMAC then 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 BGI closure on a Closure Report using Division Form C-144. The Report will include the following.

- Proof of Closure Notice (surface owner & NMOCC)
- Backfilling & Cover Installation
- Site Diagram with coordinates
- Available Inspection report
- Confirmation Sampling Analytical results
- Disposal Facility Name(s) and Permit Number(s)
- Application Rate & Seeding technique
- Photo Documentation of Reclamation

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
COX CANYON UNIT #001A	3004522086	BLANCO MV	16C	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #001B	3004530791	BLANCO MV	16L	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #001C	3004532023	BLANCO MV	16E	32N	11W	BGT	DBL WALL STEEL
COX CANYON UNIT #003	3004511495	BLANCO MV	9L	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil 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	21D	32N	11W	BGT	DBL WALL STEEL
COX CANYON UNIT #005B	3004532142	BASIN DK / 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	16O	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
COX CANYON UNIT #008	3004511492	BLANCO MV	8I	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #008A	3004522096	BLANCO MV	17H	32N	11W	BGT	DBL WALL STEEL
COX CANYON UNIT #008B	3004532080	BLANCO MV	8P	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #008C	3004531187	BLANCO MV	17P	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #009A COM	3004522092	BLANCO MV	20D	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #009B COM	3004533926	BASIN DK / BLANCO MV	20B	32N	11W	BGT	DBL WALL STEEL
COX CANYON UNIT #009C	3003933851	BASIN DK / BLANCO MV	20F	32N	11W	BGT	DBL WALL STEEL
COX CANYON UNIT #013	3004521489	BLANCO PC	20A	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil 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	9O	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #200	3004527878	BASIN FTC	9L	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #200A	3004532126	BASIN FTC	9O	32N	11W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
COX CANYON UNIT #203	3004527872	BASIN FTC	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	20O	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	19O	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	26P	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 #008A	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 #010C	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	BASIN DK / BLANCO MV	15P	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 /	23P	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	24L	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 #022	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 #023B	3003926553	BLANCO MV	29E	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #023C	3003927609	BASIN DK / BLANCO MV	29L	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #024	3003907933	BLANCO MV	32M	31N	05W	BGT	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #024A	3003925568	BASIN DK / BLANCO MV	32E	31N	05W	SGT	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #024B	3003926630	BASIN DK / BLANCO MV	32N	31N	05W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #024C	3003926968	BASIN DK / BLANCO MV	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	32H	32N	06W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #029B	3004530709	BASIN DK / BLANCO MV	32B	32N	06W	BGT	HDPE SECONDARY LINER
ROSA UNIT #029M	3004529584	BASIN DK / BLANCO MV	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	BASIN DK / BLANCO MV	17L	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	17N	31N	05W	BGT	HDPE SECONDARY LINER
ROSA UNIT #032	3003925389	BLANCO MV / ROSA PC	21H	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #032A	3003925417	BLANCO MV / ROSA PC	21F	31N	06W	BGT	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #032B	3003926771	BASIN DK / BLANCO MV	21G	31N	06W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #032C	3003927240	BASIN DK / 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 #034B	3003926629	BLANCO MV	36J	32N	06W	BGT	HDPE SECONDARY LINER

Fields, Vanessa

From: Fields, Vanessa
Sent: Tuesday, November 20, 2012 8:56 AM
To: Powell, Brandon, EMNRD
Cc: Lane, Myke; Basye, Matt; Irvin, Kenneth
Subject: Pit Closure Notice- Rosa Unit#032

Brandon,

WPX Energy tentatively plans to initiate closure of the following BGT next week, depending upon weather and available resources.

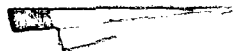
WELLSITE	API	FMT	SEC	TWN	RNG
Rosa Unit #032	30-03925389	Pictured Cliff	H21	31N	06W

Please contact me if there are any problems, or you request additional information.

Thank you for your time and consideration.

Vanessa Fields
EH&S Coordinator
Office# 505-333-1880
Fax# 505-333-1805
Cell# 505-419-6219
vanessa.fields@wpxenergy.com

WPXENERGY.



Fields, Vanessa

From: Fields, Vanessa
Sent: Wednesday, October 31, 2012 9:15 AM
To: 'Jones, Brad A., EMNRD'
Cc: Powell, Brandon, EMNRD; Lane, Myke; Irvin, Kenneth; Basye, Matt
Subject: Request for review of pit closure plan Rosa Unit #032

Brad,

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

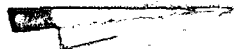
Well Site	API	FMT	SEC	TWN	RNG
Rosa Unit #032 31N 06W	30-03925389	Pictured Cliff		H 21	

Should you have any questions or concerns please contact myself or Myke Lane.

Thank you for your time and consideration.

Vanessa Fields
EH&S Coordinator
Office# 505-333-1880
Fax# 505-333-1805
Cell# 505-419-6219
vanessa.fields@wpenergy.com

WPXENERGY.



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 WPX Energy	Contact Michael K. Lane
Address PO Box 640	Telephone No. 505-333-1819
Facility Name Rosa Unit #032 (API: 30-039-25389)	Facility Type Well Site

Surface Owner BLM	Mineral Owner BLM	Lease No.
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LOCATION OF RELEASE

Unit Letter H	Section 21	Township 31 N	Range 06W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
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Latitude 36.88868 Longitude -107.46251

NATURE OF RELEASE


Type of Release Produced Water	Volume of Release UNK	Volume Recovered None
Source of Release BGT	Date and Hour of Occurrence Legacy	Date and Hour of Discovery Legacy
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? NA	Date and Hour email others	
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.		

Describe Cause of Problem and Remedial Action Taken: During BGT removal, soil sampling indicated elevated levels of hydrocarbon contamination based on EPA 418.1.

Describe Area Affected and Cleanup Action Taken. Impacted area within active operating portion of well pads. No remediation action needed based on Rule 116.

Criteria	Site Condition	Ranking Score
Depth to Groundwater	>100 (Cathodic: 200 Feet)	0
Wellhead Protection Area	None	0
Surface Water Body	>1000 ft	0
Total Ranking		0
Lab	Excavation Bottom	RAL
Benzene (ppb)	ND	10,000
BTEX (ppb)	ND	50,000
TPH by EPA - 8015m (ppm)	5.6	5000
TPH by EPA - 418.1 (ppm)	1210	5000
Cl (ppm)	30.2	

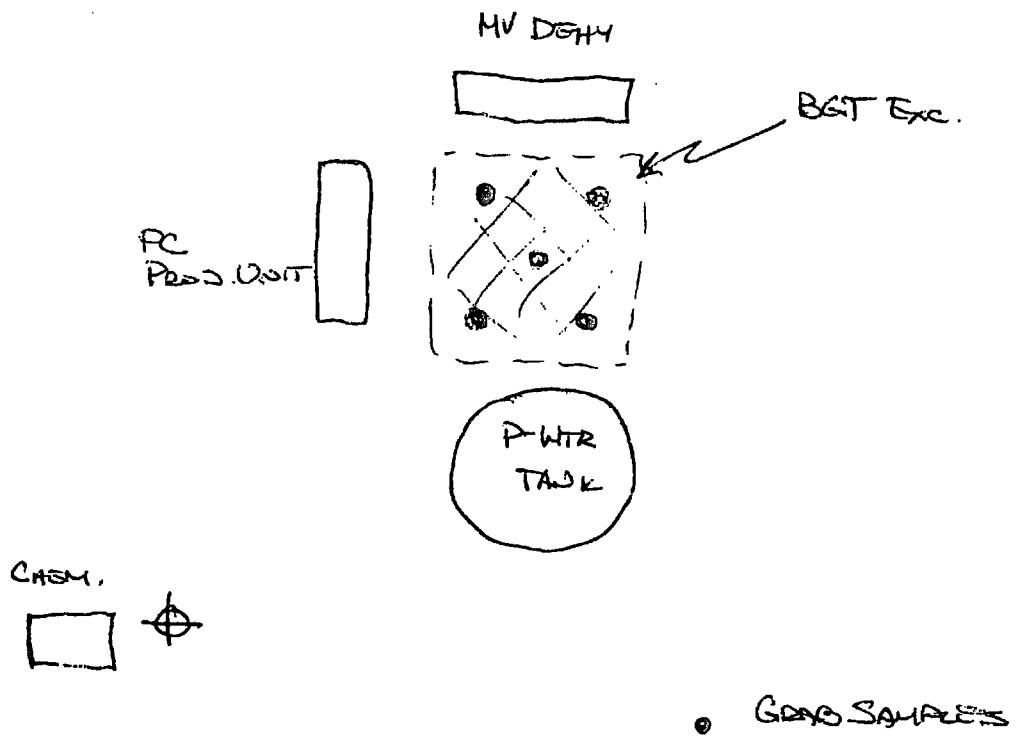
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger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

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: Michael K. Lane	Approved by District Supervisor:		
Title: SJB EH&S Specialist	Approval Date:	Expiration Date:	
E-mail Address: myke.lane@wpxenergy.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 11/29/12	Phone: (505) 330-3198		

* Attach Additional Sheets If Necessary

WPXENERGY.

Rosa 32 PC/MV





Report Summary

Client: WPX Energy

Chain of Custody Number: 12774

Samples Received: 11-27-12

Job Number: 04108-0136

Sample Number(s): 63767

Project Name/Location: Rosa Unit #032

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to be "L. J. O.", written over a horizontal line.

Date:

11/29/12

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.



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

Client:	WPX Energy	Project #:	04108-0136
Sample ID:	Rosa #032 Pit Closure	Date Reported:	11-28-12
Laboratory Number:	63767	Date Sampled:	11-26-12
Chain of Custody No:	12774	Date Received:	11-27-12
Sample Matrix:	Soil	Date Extracted:	11-28-12
Preservative:	Cool	Date Analyzed:	11-28-12
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)	5.6	0.1
Total Petroleum Hydrocarbons	5.6	

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 #032



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	1128TCAL QA/QC	Date Reported:	11-28-12
Laboratory Number:	63767	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-28-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	11-28-12	9.9980E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	11-28-12	9.9960E+02	1.0000E+03	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	

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	5.6	5.6	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	297	119%	75 - 125%
Diesel Range C10 - C28	5.6	250	282	111%	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 63767



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	WPX Energy	Project #:	04108-0136
Sample ID:	Rosa #032 Pit Closure	Date Reported:	11-28-12
Laboratory Number:	63767	Date Sampled:	11-26-12
Chain of Custody:	12774	Date Received:	11-27-12
Sample Matrix:	Soil	Date Analyzed:	11-28-12
Preservative:	Cool	Date Extracted:	11-28-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	92.5 %
	1,4-difluorobenzene	96.2 %
	Bromochlorobenzene	99.1 %

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 #032



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	1128BCAL QA/QC	Date Reported:	11-28-12
Laboratory Number:	63767	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-28-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0-15%			
Benzene	1.1610E-04	1.1673E-04	0.005	ND	0.2
Toluene	8.3879E-05	8.4397E-05	0.006	ND	0.2
Ethylbenzene	8.1614E-05	8.2166E-05	0.007	ND	0.2
p,m-Xylene	6.7237E-05	6.7237E-05	0.000	ND	0.2
o-Xylene	8.4565E-05	8.4967E-05	0.005	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.00	0 - 30%	10
Toluene	ND	ND	0.00	0 - 30%	10
Ethylbenzene	ND	ND	0.00	0 - 30%	10
p,m-Xylene	ND	ND	0.00	0 - 30%	10
o-Xylene	ND	ND	0.00	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	2500	2070	82.8	39 - 150
Toluene	ND	2500	2120	84.8	46 - 148
Ethylbenzene	ND	2500	2120	84.8	32 - 160
p,m-Xylene	ND	5000	4144	82.9	46 - 148
o-Xylene	ND	2500	2180	87.2	46 - 148

ND - Parameter not detected at the stated detection limit.

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

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 63730-63734, 63737, 63740-63741, 63748 and 63767



**EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	WPX Energy	Project #:	04108-0136
Sample ID:	Rosa #032 Plt Closure	Date Reported:	11-28-12
Laboratory Number:	63767	Date Sampled:	11-26-12
Chain of Custody No:	12774	Date Received:	11-27-12
Sample Matrix:	Soil	Date Extracted:	11-28-12
Preservative:	Cool	Date Analyzed:	11-28-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,210	6.7

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 #032



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	11-28-12
Laboratory Number:	11-28-TPH.QA/QC 63767	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	11-28-12
Preservative:	N/A	Date Extracted:	11-28-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	11-15-12	11-28-12	1,680	1,720	2.4%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	6.7

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	1,210	1,480	22.3%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	1,210	2,000	2,820	87.8%	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 63767.



Chloride

Client:	WPX Energy	Project #:	04108-0138
Sample ID:	Rosa #032 Pit Closure	Date Reported:	11-28-12
Lab ID#:	63767	Date Sampled:	11-26-12
Sample Matrix:	Soil	Date Received:	11-27-12
Preservative:	Cool	Date Analyzed:	11-28-12
Condition:	Intact	Chain of Custody:	12774

Parameter	Concentration (mg/Kg)
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Total Chloride

30.2

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 #032**

CHAIN OF CUSTODY RECORD

12774

Client: NEX Energy				Project Name / Location: Rosa Unit # 032				ANALYSIS / PARAMETERS											
Client Address: 7215 Olden Street				Sampler Name: Henry Jara															
Client Phone No.: 419-66919				Client No.: 04108-0134															
Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No. Volume of Containers	Preservative	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	
P211075-007				Soil	1		X	X							X	X		Y	Y
P211075-008				Soil															
P211075-009				Soil															
P211075-010				Soil															
P211075-011				Soil															
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RUSH



Below Grade Tanks Inspection

Report Date: Monday, January 28, 2013 1:08 PM

Inspection ID: 1895

Page 1 of 1

A. General Information

Date Inspected:

7/5/2012 12:00 AM

Tank:

Tank PK 416 (Serial Number: T-5191)

Technician:

Michael Gurule

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

0

Pit Level (in):

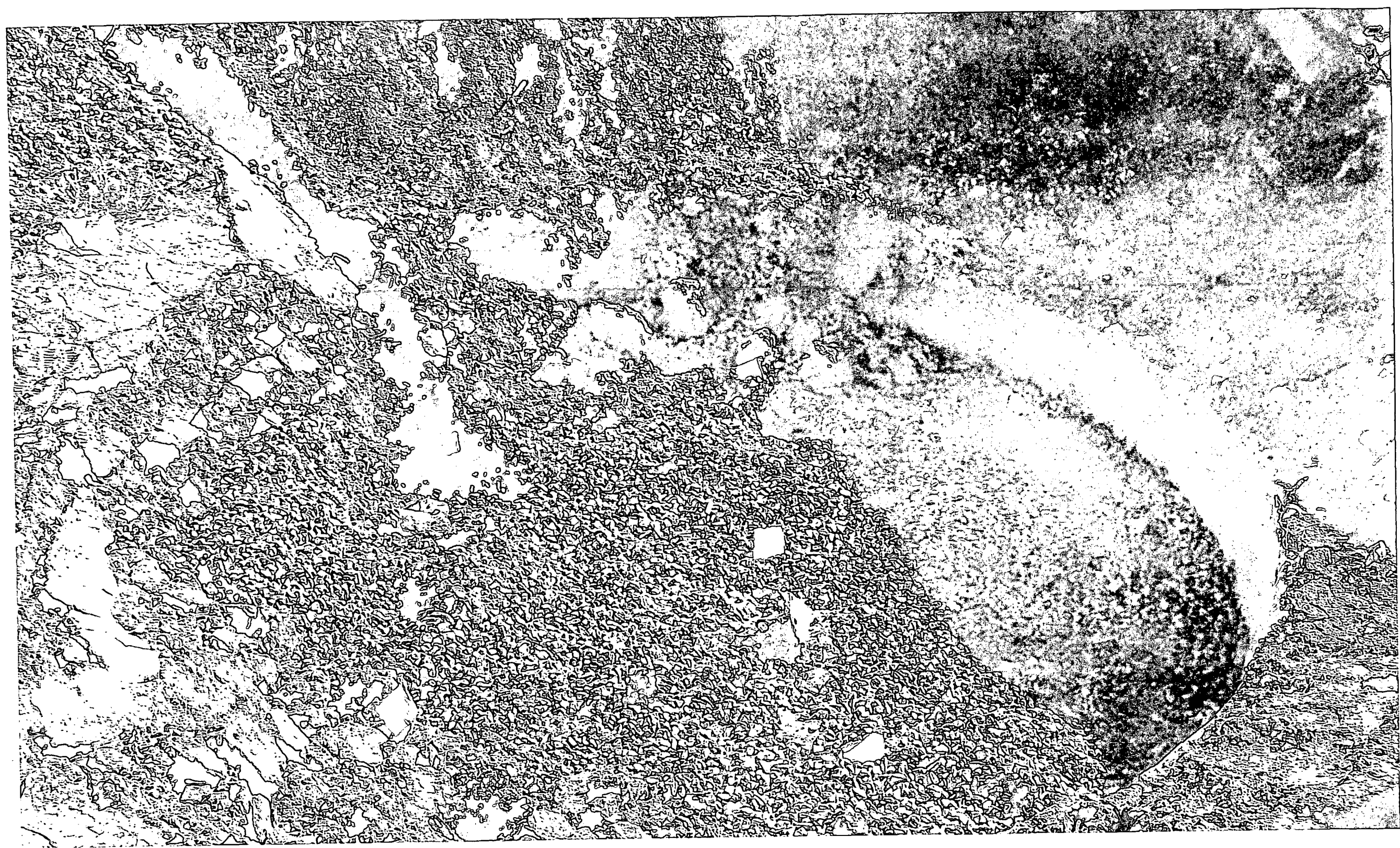
11

C. Validation

Ecocion Review

Y

Date	WellName	Run	Formation	Construction		Banded Plastic liner, Double Wall Steel, Bottom Plastic Liner	Y/N	level	level	Comments / Repairs needed
8/18/2008	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Bottom Plastic Liner	N			No apparent leak
9/19/2008	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Bottom Plastic Liner	N			No apparent leak
10/20/2008	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	NO			
12/31/2008	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		55"	OK
1/14/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		55"	
2/17/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		0"	
3/17/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		0"	
4/30/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		32	
5/26/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		32	
6/30/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		32	
8/28/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		29	
9/20/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		31	
12/31/2009	ROSA UNIT #032	04-63	Pictured Cliffs	STEEL	SGT	Yes	No		35	





721. South Main Street
Aztec, NM 87410

RCVD APR 19 '13
OIL CONS. DIV.
DIST. 3

April 19, 2013

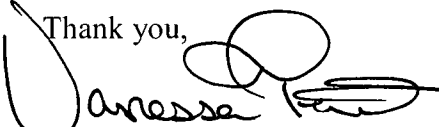
Jonathan Kelly
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Dear Mr. Kelly

Please find attached the requested revised C-144 Below Grade Closure Report for the Rosa Unit # 032 API: 30-039-25389. Included in the report is a picture of the site closure.

Please let me know if you need any further information regarding this closure.

Thank you,


Vanessa Fields
EH&S Coordinator

District I
1625 N. Frelich 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**

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: WPX ENERGY PRODUCTION Co, LLC OGRID #: 120782
Address: PO Box 640/721 So. Main, Aztec, NM 87410
Facility or well name: Rosa Unit #032
API Number: 30-039-25389 OCD Permit Number: _____
U/L or Qtr/Qtr H Section 21 Township 31N Range 06W County: Rio Arriba
Center of Proposed Design: Latitude 36.88868 Longitude -107.46251 NAD: ☒ 1927 ☐ 1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☐ Lined ☐ Unlined Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____ bbl Dimensions: L _____ x W _____ x D _____

**RCVD APR 19 '13
OIL CONS. DIV.
DIST. 3**

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: DBL-Wall Steel
☐ Secondary containment with leak detection ☒ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____
Liner type: Thickness 40 mil ☐ HDPE ☐ PVC ☒ Other LLDPE (See Specs attached)

5.
☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6.

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

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

7.

Netting: Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

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

8.

Signs: Subsection C of 19.15.17.11 NMAC

- ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
- ☒ Signed in compliance with 19.15.3.103 NMAC

9.

Administrative Approvals and Exceptions:

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

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

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

10.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.

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

☐ Yes ☒ 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

☐ Yes ☒ 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

☐ Yes ☒ No
☐ 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

☐ Yes ☒ No
☐ 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

☐ 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

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: _____

Title: _____ OCD Permit Number: _____

21.

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

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

☒ Closure Completion Date: November 30, 2012

22.

Closure Method:

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

23.

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

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

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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

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

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

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

24.

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

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

On-site Closure Location: Latitude _____ 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 Coordinator

Signature:  Date: 1-28-2013

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

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

Well: (Rosa Unit #032)
API No: 30-03925389
Location: H S21 T31N R06W

In accordance with Rule 19.15.17.13 NMAC, the following report describes the general closure of the referenced below-grade tanks (BGT) on WPX ENERGY 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 WPX's E&P intent to close on (November 20, 2012). 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 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). 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. WPX ENERGY 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 copy of the disposal ticket is attached. Note work charged to Rosa 72B New Drill AFE.

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 also removed for collocated well. 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	1210
Chlorides	EPA SW-846 Method 300.1 ⁽¹⁾	250 ⁽²⁾	30

⁽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 ENERGY determine there is a release, WPX ENERGY will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC.

Release Detected see C-141 in compliance with 15.3.116 NMAC and 19.15.1.19 NMAC

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. , I 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

h. e. c.





721. South Main Street
Aztec, NM 87410

June 26, 2013

Jonathan Kelly
New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

RCVD JUN 26 '13

OIL CONS. DIV.

DIST. 3

Dear Mr. Kelly

REF: OCD Permit # 11179

Please find attached the requested revised C-144 Below Grade Closure Report for the Rosa
Unit # 032 API: 30-039-25389 .

Please let me know if you need any further information regarding this closure.

Thank you

A handwritten signature in black ink, appearing to read "Vanessa", with a long, sweeping horizontal line extending to the right.

Vanessa Fields
EH&S Coordinator

WPX ENERGY Production Co., LLC
San Juan Basin: New Mexico Assets
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