

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.

11842

Pit, Closed-Loop System, Below-Grade Tank, or

OIL CONS. DIV DIST. 3 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

JUN 10 2014

39-26971

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 LLC. OGRID #: 120782
Address: PO Box 640/721 So. Main, Aztec, NM 87410
Facility or well name: Rosa Unit #017B
API Number: 30-039-26971 OCD Permit Number: _____
U/L or Qtr/Qtr J Section 20 Township 31N Range 05W County: Rio Arriba
Center of Proposed Design: Latitude 36.88208 Longitude -107.38476 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: Fiberglass Tank w/Banded 20-mil HDPE Secondary Liner
 Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
 Visible sidewalls and liner Visible sidewalls only Other _____
Liner type: Thickness 20 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. (<i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to permanent pits</i>) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within a 100-year floodplain. - FEMA map | <input type="checkbox"/> Yes <input type="checkbox"/> No |

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

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 D. Kelly Approval Date: 6/11/2014

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: 3/17/2014

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 K. Fields Title: Environmental Specialist

Signature: [Signature] Date: 6-10-2014

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# 017B)
API No: 30-039-26971
Location: J-S20-T31N-R06W, NMPM

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

Closure Conditions and Timing:

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

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

General Plan Requirements:

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

WPX 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 E&P intent to close on (03/06/2014). Email attached.

- 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.

- 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.

- 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 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.

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

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

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

⁽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.

- 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.

No release detected.

- The original fiberglass tank that was installed was removed from site and a double wall double bottoms steel tank was placed in the exact location of the previous BGT.

- 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.

11. 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



| | | |
|--|---|------------------------------|
| WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358 | Project Name: Rosa 17B-BGT Project Number: 04108-0137 Project Manager: Buddy Shaw | Reported: 13-Mar-14 13:16 |
|--|---|------------------------------|

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| #1 Soil | P403028-01A | Soil | 03/10/14 | 03/11/14 | Glass Jar, 4 oz. |

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



| | | |
|--|---|------------------------------|
| WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358 | Project Name: Rosa 17B-BGT Project Number: 04108-0137 Project Manager: Buddy Shaw | Reported: 13-Mar-14 13:16 |
|--|---|------------------------------|

**#1 Soil
P403028-01 (Solid)**

| Analyte | Result | Reporting | | | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | Dilution | | | | | |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.05 | mg/kg | 1 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| Toluene | ND | 0.05 | mg/kg | 1 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| Ethylbenzene | ND | 0.05 | mg/kg | 1 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| p,m-Xylene | ND | 0.05 | mg/kg | 1 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| o-Xylene | ND | 0.05 | mg/kg | 1 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| Total Xylenes | ND | 0.05 | mg/kg | 1 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| Total BTEX | ND | 0.05 | mg/kg | 1 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| <i>Surrogate: Bromochlorobenzene</i> | | 94.5 % | | 80-120 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| <i>Surrogate: 1,3-Dichlorobenzene</i> | | 93.1 % | | 80-120 | 1411005 | 03/11/14 | 03/12/14 | EPA 8021B | |
| Nonhalogenated Organics by 8015 | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 4.99 | mg/kg | 1 | 1411005 | 03/11/14 | 03/12/14 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | ND | 29.9 | mg/kg | 1 | 1411004 | 03/11/14 | 03/12/14 | EPA 8015D | |
| Total Petroleum Hydrocarbons by 418.1 | | | | | | | | | |
| Total Petroleum Hydrocarbons | ND | 20.0 | mg/kg | 1 | 1411012 | 03/12/14 | 03/12/14 | EPA 418.1 | |
| Cation/Anion Analysis | | | | | | | | | |
| Chloride | ND | 9.74 | mg/kg | 1 | 1411007 | 03/11/14 | 03/11/14 | EPA 300.0 | |

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| | | |
|--|---|------------------------------|
| WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358 | Project Name: Rosa 17B-BGT Project Number: 04108-0137 Project Manager: Buddy Shaw | Reported: 13-Mar-14 13:16 |
|--|---|------------------------------|

Volatile Organics by EPA 8021 - Quality Control
Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1411005 - Purge and Trap EPA 5030A

| Blank (1411005-BLK1) | | | | Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | | |
|--------------------------------|------|------|-------|---|--|------|--------|--|--|--|
| Benzene | ND | 0.05 | mg/kg | | | | | | | |
| Toluene | ND | 0.05 | " | | | | | | | |
| Ethylbenzene | ND | 0.05 | " | | | | | | | |
| p,m-Xylene | ND | 0.05 | " | | | | | | | |
| o-Xylene | ND | 0.05 | " | | | | | | | |
| Total Xylenes | ND | 0.05 | " | | | | | | | |
| Total BTEX | ND | 0.05 | " | | | | | | | |
| Surrogate: 1,3-Dichlorobenzene | 46.5 | | ug/L | 50.0 | | 93.0 | 80-120 | | | |
| Surrogate: Bromochlorobenzene | 50.3 | | " | 50.0 | | 101 | 80-120 | | | |

| Duplicate (1411005-DUP1) | | | | Source: P402099-01RE1 Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | | |
|---------------------------------|------|------|-------|---|----|------|--------|--|----|--|
| Benzene | ND | 0.05 | mg/kg | | ND | | | | 30 | |
| Toluene | ND | 0.05 | " | | ND | | | | 30 | |
| Ethylbenzene | ND | 0.05 | " | | ND | | | | 30 | |
| p,m-Xylene | ND | 0.05 | " | | ND | | | | 30 | |
| o-Xylene | ND | 0.05 | " | | ND | | | | 30 | |
| Surrogate: 1,3-Dichlorobenzene | 42.8 | | ug/L | 50.0 | | 85.6 | 80-120 | | | |
| Surrogate: Bromochlorobenzene | 56.9 | | " | 50.0 | | 114 | 80-120 | | | |

| Matrix Spike (1411005-MS1) | | | | Source: P402099-01RE1 Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | | |
|-----------------------------------|------|--|------|---|----|-----|--------|--|--|-------|
| Benzene | 50.4 | | ug/L | 50.0 | ND | 101 | 39-150 | | | |
| Toluene | 54.7 | | " | 50.0 | ND | 109 | 46-148 | | | |
| Ethylbenzene | 52.5 | | " | 50.0 | ND | 105 | 32-160 | | | |
| p,m-Xylene | 107 | | " | 100 | ND | 107 | 46-148 | | | |
| o-Xylene | 52.5 | | " | 50.0 | ND | 105 | 46-148 | | | |
| Surrogate: 1,3-Dichlorobenzene | 56.4 | | " | 50.0 | | 113 | 80-120 | | | |
| Surrogate: Bromochlorobenzene | 66.0 | | " | 50.0 | | 132 | 80-120 | | | Surr1 |

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WPX Energy, Inc.
 PO Box 21218
 Tulsa OK, 74121-1358

Project Name: Rosa 17B-BGT
 Project Number: 04108-0137
 Project Manager: Buddy Shaw

Reported:
 13-Mar-14 13:16

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|--|------|-------------|------|-----------|-------|
| Batch 1411004 - DRO Extraction EPA 3550C | | | | | | | | | | |
| Blank (1411004-BLK1) | | | | | | | | | | |
| | | | | | Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | |
| Diesel Range Organics (C10-C28) | ND | 29.9 | mg/kg | | | | | | | |
| Duplicate (1411004-DUP1) | | | | | | | | | | |
| | | | | | Source: P402099-01 Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | |
| Diesel Range Organics (C10-C28) | 3860 | 30.0 | mg/kg | | 5910 | | | 42.1 | 30 | D1 |
| Matrix Spike (1411004-MS1) | | | | | | | | | | |
| | | | | | Source: P402099-01 Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | |
| Diesel Range Organics (C10-C28) | 4270 | | mg/L | 250 | 5630 | NR | 75-125 | | | SPK1 |

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| | | |
|--|---|------------------------------|
| WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358 | Project Name: Rosa 17B-BGT Project Number: 04108-0137 Project Manager: Buddy Shaw | Reported: 13-Mar-14 13:16 |
|--|---|------------------------------|

Nonhalogenated Organics by 8015 - Quality Control
Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|------|-----------|-------|
| Batch 1411005 - Purge and Trap EPA 5030A | | | | | | | | | | |
| Blank (1411005-BLK1) Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 4.99 | mg/kg | | | | | | | |
| Duplicate (1411005-DUP1) Source: P402099-01RE1 Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 13.7 | 4.99 | mg/kg | | 7.20 | | | 62.1 | 30 | D1 |
| Matrix Spike (1411005-MS1) Source: P402099-01RE1 Prepared: 11-Mar-14 Analyzed: 12-Mar-14 | | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 0.55 | | mg/L | 0.450 | 0.14 | 90.2 | 75-125 | | | |

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WPX Energy, Inc.
 PO Box 21218
 Tulsa OK, 74121-1358

Project Name: Rosa 17B-BGT
 Project Number: 04108-0137
 Project Manager: Buddy Shaw

Reported:
 13-Mar-14 13:16

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1411012 - 418 Freon Extraction

Blank (1411012-BLK1)

Prepared & Analyzed: 12-Mar-14

Total Petroleum Hydrocarbons ND 20.0 mg/kg

Duplicate (1411012-DUP1)

Source: P403014-01

Prepared & Analyzed: 12-Mar-14

Total Petroleum Hydrocarbons 28.0 20.0 mg/kg 24.0 15.5 30

Matrix Spike (1411012-MS1)

Source: P403014-01

Prepared & Analyzed: 12-Mar-14

Total Petroleum Hydrocarbons 1840 20.0 mg/kg 2000 24.0 91.0 80-120

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| | | |
|--|---|------------------------------|
| WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358 | Project Name: Rosa 17B-BGT Project Number: 04108-0137 Project Manager: Buddy Shaw | Reported: 13-Mar-14 13:16 |
|--|---|------------------------------|

Cation/Anion Analysis - Quality Control
Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1411007 - Anion Extraction EPA 300.0

| | | | | | | | | | | |
|--|-----|------|-------|---|----|------|--------|-------|----|--|
| Blank (1411007-BLK1) | | | | Prepared & Analyzed: 11-Mar-14 | | | | | | |
| Chloride | ND | 9.86 | mg/kg | | | | | | | |
| LCS (1411007-BS1) | | | | Prepared & Analyzed: 11-Mar-14 | | | | | | |
| Chloride | 495 | 9.88 | mg/kg | 494 | | 100 | 90-110 | | | |
| Matrix Spike (1411007-MS1) | | | | Source: P403020-01 Prepared & Analyzed: 11-Mar-14 | | | | | | |
| Chloride | 491 | 9.96 | mg/kg | 498 | ND | 98.5 | 80-120 | | | |
| Matrix Spike Dup (1411007-MSD1) | | | | Source: P403020-01 Prepared & Analyzed: 11-Mar-14 | | | | | | |
| Chloride | 489 | 9.92 | mg/kg | 496 | ND | 98.7 | 80-120 | 0.270 | 20 | |

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| | | |
|--|---|------------------------------|
| WPX Energy, Inc. PO Box 21218 Tulsa OK, 74121-1358 | Project Name: Rosa 17B-BGT Project Number: 04108-0137 Project Manager: Buddy Shaw | Reported: 13-Mar-14 13:16 |
|--|---|------------------------------|

Notes and Definitions

- Surr1 Surrogate recovery was above acceptable limits.
- SPK1 The spike recovery for this QC sample is outside of control limits.
- D1 Duplicates or Matrix Spike Duplicates Relative Percent Difference exceeds 30%.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

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CHAIN OF CUSTODY RECORD

12278

| Client: WPX Energy | | Project Name / Location: Rosa 17B-36T | | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | | | |
|---|-------------|--|------------|---------------|--------------------------|-----------------------|--------------------|-------------------|---|-------------------|---------------|----------------|-----|---------------|----------|-------------|---------------|-------------|---------------|---|---|--|
| Client Address: | | Sampler Name: Kurt Heckman | | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | Sample Cool | Sample Intact | | | | | |
| Client Phone No.: 333-1878 | | Client No.: 04108-0137 | | | | | | | | | | | | | | | | | | | | |
| 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 | | | |
| | | | | | | HgCl ₂ | HCl | | | | | | | | | | | | | | | |
| #1 Soil | | 3/10/14 | 2403028-01 | Soil Solid | | | | X | X | | | | | | | | | | | X | X | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) [Signature] | | | | | Date | | Time | | Received by: (Signature) [Signature] | | | | | | | | Date | | Time | | | |
| | | | | | 3-11-14 | | 1 PM | | | | | | | | | | 3/11/14 | | 13:00 | | | |
| Relinquished by: (Signature) | | | | | | | | | Received by: (Signature) | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | | | | | Received by: (Signature) | | | | | | | | | | | | | |

Rush



21.6



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,

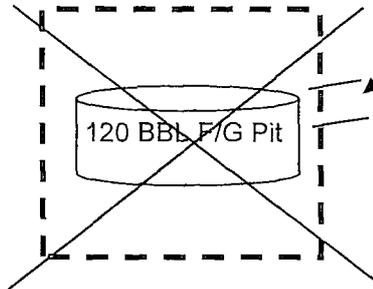
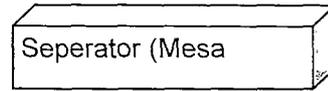
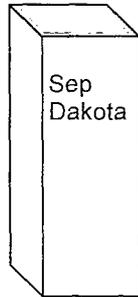
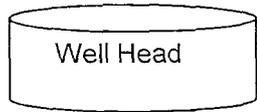
Holly C. Perkins
EH&S Specialist

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

cc: Environmental File

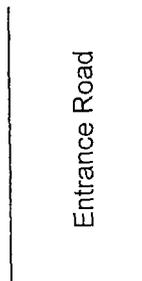
| WELLS w/FEDERAL SURF MGT | API | FMT | SEC | TWN | RNG | PIT TYPE | CONSTRUCTION MATERIAL |
|--------------------------|------------|----------------------|-----|-----|-----|----------|--|
| ROSA UNIT #012A | 3003925900 | BLANCO MV / ROSA PC | 15J | 31N | 06W | BGT | DBL WALL STEEL |
| ROSA UNIT #012B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

ROSA 17B



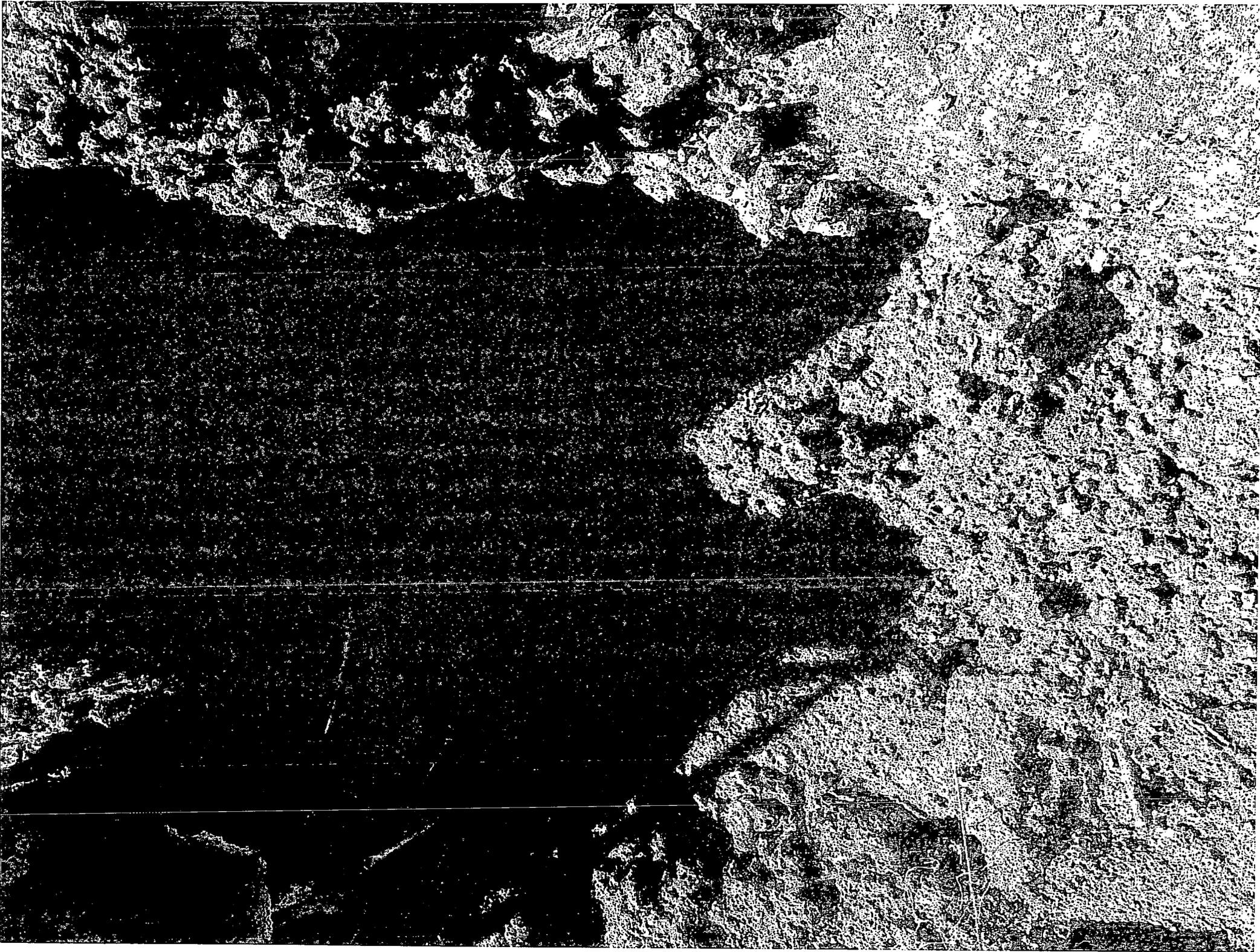
Walk thru

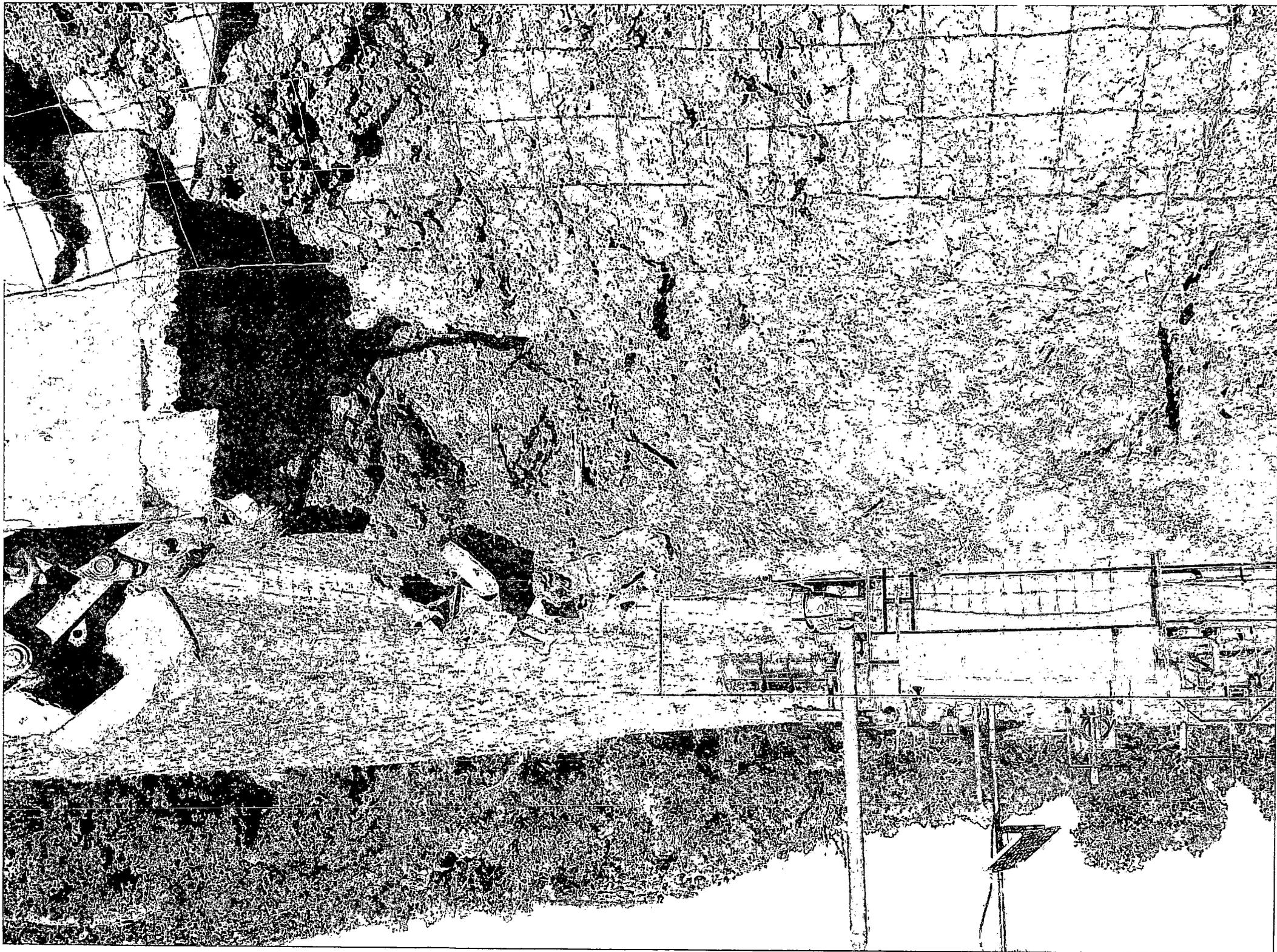
Removed





ROSA UNIT #017B DK MV
NMSF-078764
API NO. 30-039-26971
1480' FSL & 2360' FEL
SEC.20 T31N R05W NMPM
RIO ARRIBA COUNTY, NM
LAT: 36.88208 LONG: 107.38476
EMERGENCY CONTACT # 1-888-615-4561





SPECIAL WASTE SHIPMENT RECORD

21999

WASTE MANAGEMENT OF NEW MEXICO, INC.
 SAN JUAN COUNTY REGIONAL LANDFILL
 PERMIT #SWM-052426, #SWM-052426SP
 #78 CR 3140 P.O. Box 1402
 Aztec, New Mexico 87410
 505/334-1121

Shipment # _____

Profile # 100155
 (Required)

| | | |
|--|-------------------------------|-----------------------------------|
| 1. Generator's Work site name and address (physical site address of waste generation) | | |
| 2. Generator's name and address | | Generator's Telephone no. |
| 3. Authorized Agent name and address (if different from #2) | | Agent's Telephone no. |
| 4. Description materials | 5. Container's No. 1 Type | 6. Total Quantity (tons) (yd3) |
| | 1-B | 2 yd3 |
| 7. Special handling instructions | | |
| 8. GENERATOR or AUTHORIZED AGENT CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway in accordance with applicable international and government regulations. I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 258.28 and is not a hazardous waste as defined by 40CFR 261 or any applicable state law. | | |
| Generator or Agent (Printed/typed name and title) | Generator or Agents Signature | Month/Day/Year |
| | | / / |
| 9. Transporter 1 (Acknowledgement of receipt of materials) | | |
| Printed/typed name & title, address, telephone no. | Driver Signature | Month/Day/Year |
| | | / / |
| 10. Transporter 2 (Acknowledgement of receipt of materials) | | |
| Printed/typed name & title, address, telephone no. | Driver Signature | Month/Day/Year |
| | | / / |
| 11. Discrepancy indication space | | |
| 12. Waste disposal site Location co-ordinates (X,Y, Z) | | |
| C 665876 N 45.4171 W 105.02.813 | | |
| Received by name and title (Printed/typed) | SJC Landfill Rep. Signature | Month / Day / Year |
| | | 8/11/14 |

WPX Energy 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 WPX 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. 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 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 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, 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, 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

Fields, Vanessa

From: Fields, Vanessa
Sent: Thursday, March 06, 2014 3:31 PM
To: 'Griswold, Jim, EMNRD'; Powell, Brandon, EMNRD; 'Kelly, Jonathan, EMNRD'
Cc: Shaw, Buddy
Subject: FW: Request for Closure of the Rosa Unit #017B Fiberglass Tank
Attachments: 20140306152918391.pdf

Jim,

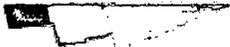
We need to take the following below grade tank out of service, and would like to close this existing BGT. We request your review to allow closure.

| Well Site | API | FMT | SEC | TWN | RNG |
|-------------------------|--------------|------------|------------|------------|------------|
| Rosa Unit # 017B 05W | 30-039-26971 | Mesa Verde | J20 | 31N | |

Thank you,

Vanessa Fields
Environmental Specialist
Office# 505-333-1880
Fax# 505-333-1805
Cell# 505-419-6219
vanessa.fields@wpxenergy.com

WPXENERGY.





Analytical Report

Report Summary

Client: WPX Energy, Inc.

Chain Of Custody Number: 12278

Samples Received: 3/11/2014 1:00:00PM

Job Number: 04108-0137

Work Order: P403028

Project Name/Location: Rosa 17B-BGT

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read "Tim Cain", is written over a horizontal line.

Date: 3/13/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised October 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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 Production, LLC | Contact | Vanessa Fields |
| Address | P.O. BOX 640, AZTEC, NM 87410 | Telephone No. | (505) 333-1880 |
| Facility Name | Rosa Unit # 017B | Facility Type | Well Site |

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

LOCATION OF RELEASE

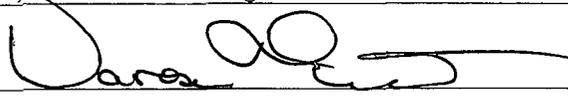
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| J | 20 | 31N | 05W | | | | | |

Latitude 36.88208 Longitude 107.38476

NATURE OF RELEASE

| | | | |
|---|---|---|----------------------------|
| Type of Release | No Release Occurred | Volume of Release | Volume Recovered |
| Source of Release | | Date and Hour of Occurrence | Date and Hour of Discovery |
| Was Immediate Notice Given? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom? | |
| By Whom? | | Date and Hour | |
| Was a Watercourse Reached? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | |
| If a Watercourse was Impacted, Describe Fully. * N/A | | | |
| Describe Cause of Problem and Remedial Action Taken.* No action required | | | |
| Describe Area Affected and Cleanup Action Taken.* N/A | | | |

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

| | | | |
|--|----------------------------------|------------------|-----------------------------------|
| Signature:  | <u>OIL CONSERVATION DIVISION</u> | | |
| Printed Name: Vanessa Fields | Approved by District Supervisor: | | |
| Title: Environmental Specialist | Approval Date: | Expiration Date: | |
| E-mail Address: Vanessa.fields@wpxenergy.com | Conditions of Approval: | | Attached <input type="checkbox"/> |
| Date: 4-11-2014 | Phone: (505) 333-1880 | | |

* Attach Additional Sheets If Necessary

| | | | | | Liner | | | | |
|--------|-----------------------|----------------------|--------------|-----------------------|--|-----|-------|-------|---------------------------------|
| Date | WellName | Formation | Construction | SGT. BGT, Above | Banded Plastic liner, Double Wall Steel, Bottom Plastic Liner | Y/N | level | level | Comments / Repairs needed |
| 22-Dec | ROSA UNIT #017B | Mesa Verde/Dakota | FIBERGLASS | BGT | | YES | 0" | 35" | 2009 |
| 17-Oct | UNIT #017B | Mesa Verde/Dakota | FIBERGLASS | BGT | | YES | 0" | 26" | 2009 |
| 17-Nov | UNIT #017B | Mesa Verde/Dakota | FIBERGLASS | BGT | | YES | 0 | 26.5 | 2009 |
| 1-Jan | UNIT #017B | Mesa Verde/Dakota | FIBERGLASS | BGT | | YES | 0 | 18 | 2010 |

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:14 PM

Inspection ID: 1165

Page 1 of 1

A. General Information

Date Inspected:

6/29/2012 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Stanley Dean

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

12

Pit Level (in):

25

C. Validation

Ecocion Review

Y

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:14 PM

Inspection ID: 1870

Page 1 of 1

A. General Information

Date Inspected:

7/26/2012 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Stanley Dean

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

41

Pit Level (in):

30

C. Validation

Ecocion Review

Y

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:15 PM

Inspection ID: 2289

Page 1 of 1

A. General Information

Date Inspected:

8/30/2012 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Stanley Dean

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

40

Pit Level (in):

36

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:15 PM

Inspection ID: 4900

Page 1 of 1

A. General Information

Date Inspected:

9/26/2012 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Stanley Dean

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

50

Pit Level (in):

38

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:16 PM

Inspection ID: 5170

Page 1 of 1

A. General Information

Date Inspected:

10/29/2012 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Stanley Dean

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

17

Pit Level (in):

5

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:16 PM

Inspection ID: 7958

Page 1 of 1

A. General Information

Date Inspected:

1/9/2013 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Stanley Dean

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

24

Pit Level (in):

26

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:17 PM

Inspection ID: 9091

Page 1 of 1

A. General Information

Date Inspected:

2/21/2013 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Stanley Dean

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

54

Pit Level (in):

43

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:17 PM

Inspection ID: 9964

Page 1 of 1

A. General Information

Date Inspected:

3/28/2013 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Stanley Dean

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

54

Pit Level (in):

58

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:18 PM

Inspection ID: 12260

Page 1 of 1

A. General Information

Date Inspected:

5/31/2013 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

David Randleman

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

39

Pit Level (in):

39

Comments/Repairs Needed:

needs changed

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:19 PM

Inspection ID: 33867

Page 1 of 1

A. General Information

Date Inspected:

9/18/2013 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

David Randleman

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

28

Pit Level (in):

28

Comments/Repairs Needed:

needs changed

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:20 PM

Inspection ID: 40372

Page 1 of 1

A. General Information

Date Inspected:

12/30/2013 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Michael Cordova

Workorder Required?:

Yes

Workorder Assignee:

Vanessa Fields

B. Inspection Information

Leak Detection Level (in):

18

Pit Level (in):

4

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:21 PM

Inspection ID: 41518

Page 1 of 1

A. General Information

Date Inspected:

1/15/2014 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Michael Cordova

Workorder Required?:

Yes

Workorder Assignee:

Vanessa Fields

B. Inspection Information

Leak Detection Level (in):

18

Pit Level (in):

18

Comments/Repairs Needed:

Pit needs replaced

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:21 PM

Inspection ID: 44299

Page 1 of 1

A. General Information

Date Inspected:

2/21/2014 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Michael Cordova

Workorder Required?:

Yes

Workorder Assignee:

Vanessa Fields

B. Inspection Information

Leak Detection Level (in):

24

Pit Level (in):

24

Below Grade Tanks Inspection

Report Date: Thursday, April 10, 2014 3:22 PM

Inspection ID: 46429

Page 1 of 1

A. General Information

Date Inspected:

3/23/2014 12:00 AM

Tank:

Tank PK 368 (Serial Number: SJB00073)

Technician:

Michael Cordova

Workorder Required?:

No

B. Inspection Information

Leak Detection Level (in):

0

Pit Level (in):

3