District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit below

or proposed alternative method

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

Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank,

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

environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
OIL CONS. DIV DIST, 3
Operator: WPX Energy Production, LLC OGRID #: 120782 Address: PO Pox 640/721 S Main Artes NIM 87410
Address. FO Box 040/721 S Maiii Aziec, MM 87410
Facility or well name: Rosa Unit #166
API Number:30-039-26275OCD Permit Number:
U/L or Qtr/Qtr A Section 30 Township 31N Range 5W County: Rio Arriba
Center of Proposed Design: Latitude N36.874503 Longitude W107.398131 NAD83
Surface Owner: X Federal X State Trivate Tribal Trust or Indian Allotment
2.
Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary: Drilling Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ 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. Subsection I of 19.15.17.11 NMAC
Volume: 120 bbl Type of fluid: Produced Water
Tank Construction material: Fiberglass Tank w/Banded 30-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: Thicknessmil
4.
Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
5.
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

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)	
7. 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 19.15.16.8 NMAC	
Variances 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: Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. 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 accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	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. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
 Within an unstable area. (Does not apply to below grade tanks) 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. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied 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
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Temporary Pit Non-low chloride drilling fluid		
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any 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 spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No	
Permanent Pit or Multi-Well Fluid Management Pit		
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 1000 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 spring or a fresh water well used for domestic or stock watering purposes, 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 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No	
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:		
Multi-Well Fluid Management Pit 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 doc attached. 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 A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	15.17.9 NMAC	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are	
attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	aocuments are	
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 Multi-well F 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	luid Management Pit	
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 C 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 H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC		
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 require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.		
Ground water is less than 25 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 25-50 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 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	
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, 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 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, 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	
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No	
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; 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 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		
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 E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K 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 19.15.17.13 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 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements 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 H of 19.15.17.13 NMAC			
17. 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 be	lief.		
Name (Print): Title:			
Signature: Date:			
e-mail address: Telephone:			
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)			
OCD Representative Signature: Approval Date: 121 Title: OCD Permit Number:	8106/9		
	t complete this		
Title: OCD Permit Number: 19. Closure Report (required within 60 days of closure completion): 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 is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: November 30, 20	t complete this		
Title: OCD Permit Number: 19. Closure Report (required within 60 days of closure completion): 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 is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	t complete this		

22. 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):	Title:	Environmental Specialist	
Signature:	Date:	January 12, 2018	
e-mail address:_ deborah.watson@wpxenergy.com		Telephone:505-333-1880	

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

Below-Grade Tank Removal Closure Report Rosa Unit #166 (API #30-039-26336) Unit Letter A, Section 30, T31N, R05W Rio Arriba County, NM

In accordance with Rule 19.15.17.13 NMAC, the following plan describes the general closure requirements of below-grade tanks (BGT) on WPX Energy 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.

Mr. Randolph Bayliss, NMOCD, approved the WPX BGT closure plan on November 15, 2017. (See Enclosed Form C-144)

Closure Notice:

1. Prior to initiating any BGT Closure except in the case of an emergency, WPX will notify the surface owner of the intent to close the BGT by certified mail no later than 72 hours or 1 week before closure 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.

Approved Variance: If the surface owner is of public entity (i.e.: BLM) WPX Energy Production, LLC will notify by email the intent to close the BGT in place of a certified mail letter. WPX Energy Production, LLC will request a read receipt of the email which will be equal and/ or equivalent notification as certified mail.

WPX notified BLM-FFO, prior to BGT closure. The notification email is attached.

- 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)

WPX sent notification to the District III Office via email on November 15, 2017. The notification is attached. The District III Office was advised of time and date of closure. Vanessa Fields, NMOCD was in attendance during BGT closure and sampling on November 30, 2017.

Closure Method:

3. All liquids will be removed from the BGT following cessation of operation. Produced water will be disposed at an NMOCD approved facility depending on the proximity of the BGT site. Facilities may include: Rosa Unit SWD #1 (Order: SWD-916, API: 30-039-27055), Rosa Unit SWD #2 (Order: SWD-1236-0, API: 30-039-30812), 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). Solids and sludges will be shoveled and /or vacuumed out for disposal at Envirotech (Permit Number NM-01-0011) or Industrial Ecosystems Inc (Permit Number NM-01-0010B).

Liquids were removed prior to closure of the BGT.

4. 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 19.15.35 NMAC.

Disposal will be at a licensed disposal facility, such as San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426.

The BGT and liner were disposed of in a division-approved manner.

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

All associated equipment was removed from the location.

- 6. Following removal of the tank and any liner material, WPX will test the soils beneath the BGT as follows:
 - a. At a minimum, a five-point composite sample will be taken to include any obvious stained or wet soils or any other evidence of contamination.

A five-point composite sample (BGT-1) was collected from beneath the BGT following BGT removal on November 22, 2017. No obvious stained soils were observed beneath the BGT.

c. The laboratory sample shall be analyzed for the constituents listed in Table 1.

d.

h.

The sample was submitted to Hall Environmental Analysis Laboratory, Albuquerque, NM, for analysis of benzene, BTEX, TPH, and chlorides. The analytical laboratory report is attached.

Table 1: Closure Criteria for BGTs

Components	Testing Methods(1)	Closure Limits (2) (mg/kg)	Results (mg/kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2	<0.023
BTEX	EPA SW-846 Method 8021B or 8260B	50	<0.208
Total TPH	EPA SW-846 Method 418.1	100	<19
Chlorides	EPA 300.0	250	<30

⁽¹⁾ Or other test methods approved by the division

7. If the Division and/or WPX determine there is a release, WPX will comply with WPX will comply with 19.15.17.13.C.3b.

Sampling results indicate no release occurred from the BGT.

8. 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.

The BGT location was backfilled with clean soil and compacted during following BGT removal. The BGT location will be reclaimed when it is no longer needed for production operations.

9. For those portions of the former BGT area no longer required for production activities, WPX will seed the disturbed areas the first favorable growing season after the BGT is covered. Seeding will be accomplished

⁽²⁾ Numerical limits or natural background level, whichever is greater (19.15.17.13 NMAC)

via drilling on the contour whenever practical, or by other Division-approved methods. WPX will notify the Division when reclamation and re-vegetation is complete.

Reclamation of the BGT shall be considered complete when:

- a. Vegetative cover reflects a life form ratio of +/- 50% of pre-disturbance levels
- b. Total percent plant cover of at least 70% of pre-disturbance levels (Excluding noxious weeds)

OR

c. Pursuant to 19.15.17.13.H.5d WPX will comply with obligations imposed by other applicable federal or tribal agencies in which their re-vegetation and reclamation requirements provide equal or better protection of fresh water, human health and the environment.

The BGT location was backfilled with clean soil and compacted during following BGT removal. The BGT location will be reclaimed when it is no longer needed for production operations.

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

The BGT location was backfilled with clean soil and compacted during following BGT removal. The BGT location will be reclaimed when it is no longer needed for production operations.

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. (Operator Closure Certification has been completed.) The Report will include the following:

- Proof of Closure Notice (surface owner & NMOCD)
- Backfilling & Cover Installation
- Confirmation Sampling Analytical Results
- Disposal Facility Name(s) and Permit Number(s)
- Application Rate & Seeding techniques
- Photo Documentation of Reclamation

Attachments:

C-144 Closure Approval
Surface Owner Notification (email)
NMOCD Notification (email)
Laboratory Analytical Report (#1712092)
Photograph log

Pistrict I a 1625 N. French Dr., Hobbs, NM 88240 Enc Enc District II
1301 W. Grand Avenue, Artesia, NM 88210
District III 1000 Rio Brazos Road, Aztec, NM 87410
1220 S. St. Francis Dr., Santa Fe, NM 87505
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 CUJY FEB 23 Fiff 11 00

State of New Mexico ergy Minerals and Natural Resources Department Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, NM 87505

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.
I.
Operator: WILLIAMS PRODUCTION COMPANY, LLC OGRID #: 120782
Address: PO Box 640 Aztec, NM 87410
Facility or well name: ROSA UNIT #166
API Number: 3003926275 OCD Permit Number:
Section 30A Township 31N Range 05W County RIO ARRIBA
Latitude: 36.87444 Longitude 107.39809 NAD: 1983 Surface Owner: FEDERAL
Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
☐ String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
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
Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: 120 bbl Type of fluid: PRODUCED WATER
Tank Construction material: FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thickness mil
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.

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		
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		
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 of consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for	
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	

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:
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: (Applies only to closed-loop system that use
Previously Approved Operating and Maintenance Plan API Number:(Applies only to closed-toop system that use
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control 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
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 G of 19.15.17.13 NMAC ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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 G of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC		
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 NA Ground water is between 50 and 100 feet below the bottom of the buried waste NA NA NA NA		
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	
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 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) 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 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 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):
Name (Print):
e-mail address: holly.perkins@williams.com Telephone: 505-634-4209
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) 15Nov17
OCD Representative Signature: A Condour Supproval Date: 10/24/10
Title: Environmental Engineer Hydrologist OCD Permit Number: na
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:
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.
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. Disposed Facility Names.
Disposal Facility Name: Disposal Facility Permit Number: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number:
☐ 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: 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): Title:
Signature: Date:
e-mail address: Telephone:

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.I(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:

- 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	語》。它是對esting:Methods 建设施设施	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.I 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

From:

Watson, Debbie

To:

Thomas, Leigh; Smith, Cory, EMNRD; Fields, Vanessa, EMNRD

Cc: Subject: Watson, Debbie; Bradshaw, Rob Notification BGT Closure Rosa Unit #166

Date:

Monday, November 27, 2017 5:02:56 AM

WPX will be closing the BGT at the Rosa Unit #166 on Thursday, November 30, 2017.

Operator: WPX Energy Production, LLC

Well Name and API Number: Rosa Unit #166 (30-039-26275)

Well Head Location: N36.8745804, W107.3980942

BGT Location: N36.87444, W107.39809

Surface Owner: Federal

Location: Unit Letter A, Section 30, Township 31N, Range 5W, Rio Arriba County, NM

BGT Removal and sampling: Thursday, November 30, 2017



Note: WPX will be closing multiple BGTs on Thursday, November 30, 2017. Sampling will begin at the **Rosa Unit #163A** at **9:00 AM**. After sampling has been completed at the Rosa Unit #163A, sampling will

continue in the following order: Rosa Unit #166

Rosa Unit #023B

Rosa Unit #147B

Rosa Unit #077A

Rosa Unit # 024C

Rosa Unit #188A

Please contact me with any questions.

Thank you,

Debbie

Deborah Watson
Environmental Specialist
PO Box 640 | Aztec, NM 87410
office 505.333.1880 | cell 505.386.9693 | fax 505.333.1805
deborah.watson@wpxenergy.com



If you have received this message in error, please reply to advise the sender of the error and then immediately delete this message. Thank you.

Microsoft Outlook From: To: Thomas, Leigh

Subject: Relayed: Notification BGT Closure Rosa Unit #166

Date: Monday, November 27, 2017 5:03:01 AM Attachments: Notification BGT Closure Rosa Unit #166.msg

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server: Thomas, Leigh (11thomas@blm.gov) ~mailto:11thomas@blm.gov>
Subject: Notification BGT Closure Rosa Unit #166

Form 3160-5 (June 2015)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: January 31, 2018

5. Lease Serial No.

	SF	0787	64	1				
6.	If	India	n,	Allottee	OI	Tribe	Name	

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

abandoned we	311. USE I UITII UTUU-U (A	ii b) for such	or oposais.									
	IN TRIPLICATE - Other instr	uctions on page 2			7. If Unit of CA/Ag Rosa Unit	reement, Name and/or No.						
Type of Well ☐Oil Well	☑Gas Well ☐Other				8. Well Name and No. Rosa Unit #166							
2. Name of Operator					9. API Well No.							
WPX Energy Production, LLC 3a. Address		3b. Phone No. (inc.	ude area code)		30-039-26275 10. Field and Pool o	r Exploratory Area						
PO Box 640 Aztec, NM 8741	0	505-333-1800	uue area coue)		Blanco MV	Laplotatory ruled						
4. Location of Well (Footage, Sec., 1165'FNL & 995'FEL, Sec 30, T					11. Country or Paris Rio Arriba, NM	sh, State						
12.	CHECK THE APPROPRIATE B	OX(ES) TO INDICA	TE NATURE C	OF NOTIC	CE, REPORT OR OT	THER DATA						
TYPE OF SUBMISSION			TYPE	OF ACTION	ON							
□Notice of Intent	Acidize	Deepen	,	□Produ	action (Start/Resume)	☐Water ShutOff						
	☐Alter Casing	☐ Hydraulic Frac	turing	Recla	mation	☐ Well Integrity						
⊠ Subsequent Report	Casing Repair	☐ New Constru	ction	Recon	mplete	☑Other <u>BGT Closure</u>						
Final Abandonment Notice	☐ Change Plans	☐ Plug and Aba	ndon	Temp	porarily Abandon							
Pinai Abandonment Nouce	Convert to Injection	☐Plug Back		□Water	Disposal							
A 120 bbl BGT will be cl	osed on November 30, a		act Deboral	n Watso	on.	RECEIVED 15 201/ Farmington Field Office						
						Bureau of Land Management						
14. I hereby certify that the foregoing Deborah Watson	g is true and correct. Name (Prina	ted/lyped) Title:	Environmen	ital Spec	cialist							
W Signature Debuh	Watu	Date	: 11/15/17									
	THE SPACE	FOR FEDERA	L OR STAT	TE OFIC	CE USE							
Approved by Super Super	A		Title Su	es 1	NRS	Date 11/17/17						
Conditions of approval, if any, are at certify that the applicant holds legal which would entitle the applicant to compare the applicant to compare the applicant to compare the applicant to compare the applicant to comp	or equitable title to those rights in		Office	<u></u>		garden de la companya						
Title 18 U.S.C Section 1001 and Title				nd willfull	y to make to any dep	partment or agency of the United States						

(Instructions on page 2)

From: Microsoft Outlook

Smith, Cory, EMNRD; Fields, Vanessa, EMNRD To: Subject: Relayed: Notification BGT Closure Rosa Unit #166

Date: Monday, November 27, 2017 5:03:01 AM Notification BGT Closure Rosa Unit #166.msg Attachments:

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server: Smith, Cory, EMNRD (Cory.Smith@state.nm.us) <mailto:Cory.Smith@state.nm.us> Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us) <mailto:Vanessa.Fields@state.nm.us> Subject: Notification BGT Closure Rosa Unit #166



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

December 12, 2017

Debbie Watson WPX Energy 721 S Main Ave

Aztec, NM 87410

TEL: (505) 333-1880

FAX

RE: Rosa Unit 166

OrderNo.: 1712092

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/2/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1712092

Date Reported: 12/12/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy

Project: Rosa Unit 166

Lab ID: 1712092-001 Client Sample ID: BGT1

Collection Date: 11/30/2017 10:30:00 AM

Received Date: 12/2/2017 8:30:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH			`		Analyst:	MAB
Petroleum Hydrocarbons, TR	ND	19	mg/Kg	1	12/6/2017	35317
EPA METHOD 300.0: ANIONS					Analyst:	CJS
Chloride	ND	30	mg/Kg	20	12/8/2017 4:11:19 PM	35404
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	;			Analyst:	TOM
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	12/6/2017 11:25:55 AM	35332
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	12/6/2017 11:25:55 AM	35332
Surr: DNOP	105	70-130	%Rec	1	12/6/2017 11:25:55 AM	35332
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	12/6/2017 5:49:49 PM	35320
Surr: BFB	113	15-316	%Rec	1	12/6/2017 5:49:49 PM	35320
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.023	mg/Kg	1	12/6/2017 5:49:49 PM	35320
Toluene	ND	0.046	mg/Kg	1	12/6/2017 5:49:49 PM	35320
Ethylbenzene	ND	0.046	mg/Kg	1	12/6/2017 5:49:49 PM	35320
Xylenes, Total	ND	0.093	mg/Kg	1	12/6/2017 5:49:49 PM	35320
Surr: 4-Bromofluorobenzene	108	80-120	%Rec	1	12/6/2017 5:49:49 PM	35320

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 6 J
- Sample pH Not In Range
- RLReporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712092

12-Dec-17

Client:

WPX Energy

Project:

Rosa Unit 166

Sample ID MB-35404

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Prep Date: 12/8/2017

Batch ID: 35404 Analysis Date: 12/8/2017 RunNo: 47637

SeqNo: 1523421

Units: mg/Kg

Analyte

Result

PQL

SPK value SPK Ref Val %REC LowLimit

HighLimit

RPDLimit %RPD

Qual

Chloride

ND 1.5

Sample ID LCS-35404

SampType: Ics Batch ID: 35404

RunNo: 47637

TestCode: EPA Method 300.0: Anions

Prep Date: 12/8/2017

Client ID: LCSS

Analysis Date: 12/8/2017

Result

SeqNo: 1523422

Units: mg/Kg

%RPD **RPDLimit**

Qual

Analyte Chloride

PQL

SPK value SPK Ref Val %REC LowLimit 15.00

HighLimit

14 1.5 93.1 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712092

12-Dec-17

Client:

WPX Energy

Project:

Rosa Unit 166

Sample ID MB-35317

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID:

Prep Date:

PBS

12/5/2017

Batch ID: 35317

RunNo: 47545

Analysis Date: 12/6/2017

SeqNo: 1518432

Units: mg/Kg

Analyte

Result

SPK value SPK Ref Val

%REC LowLimit

TestCode: EPA Method 418.1: TPH

LowLimit

80.5

HighLimit

%RPD **RPDLimit** Qual

Petroleum Hydrocarbons, TR

ND

POL 20

PQL

20

Sample ID LCS-35317

Client ID: LCSS

SampType: LCS Batch ID: 35317

RunNo: 47545

HighLimit

Analyte Petroleum Hydrocarbons, TR

Prep Date: 12/5/2017

Analysis Date: 12/6/2017

Result

93

93

SeqNo: 1518433 %REC

Units: mg/Kg

126

RPDLimit

Qual

Qual

Sample ID LCSD-35317

Client ID: LCSS02

SampType: LCSD

100.0

SPK value SPK Ref Val

TestCode: EPA Method 418.1: TPH

RunNo: 47545

93.4

SeqNo: 1518434

Units: mg/Kg

Prep Date: Analyte

12/5/2017

Batch ID: 35317 Analysis Date: 12/6/2017

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

RPDLimit

Page 3 of 6

Petroleum Hydrocarbons, TR

100.0

93.4

80.5

%RPD

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- **PQL** Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712092

12-Dec-17

Client:

WPX Energy

Project:

Rosa Unit 166

Sample ID LCS-35299 Client ID: LCSS

SampType: LCS Batch ID: 35299

POI

TestCode: EPA Method 8015M/D: Diesel Range Organics

RunNo: 47518

Prep Date: 12/4/2017

Analysis Date: 12/5/2017

%REC

92.8

Units: %Rec

HighLimit

Analyte Surr: DNOP Result 4.6 SPK value SPK Ref Val

5.000

SeqNo: 1517358

LowLimit

70

70

LowLimit

LowLimit

73.2

70

130

RPDLimit

%RPD

Qual

Sample ID MB-35299

SampType: MBLK PBS

Batch ID: 35299

SPK value SPK Ref Val

SPK value SPK Ref Val

50.00

5.000

RunNo: 47518

Client ID: Prep Date: Analyte

12/4/2017

Analysis Date:

Result

12/5/2017

SeqNo: 1517360

Units: %Rec

130

%RPD

Surr: DNOP

Client ID:

Analyte

11

10.00

SPK value SPK Ref Val %REC LowLimit 108

HighLimit

TestCode: EPA Method 8015M/D: Diesel Range Organics

RPDLimit

Qual

Sample ID LCS-35332

SampType: LCS LCSS

Batch ID: 35332

PQL

TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 47518

%REC

93.9

88 2

Prep Date: 12/5/2017

Analysis Date: 12/6/2017

SeqNo: 1518925

Units: mg/Kg

HighLimit %RPD 114

130

RPDLimit Qual

Diesel Range Organics (DRO) Surr: DNOP

Sample ID MB-35332

47 44

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

%RPD

%RPD

Client ID:

Surr: DNOP

PRS

Batch ID: 35332

POL

10

50

RunNo: 47518

Prep Date: 12/5/2017

Analysis Date: 12/6/2017

SeqNo: 1518926 %REC

Units: mg/Kg

HighLimit

RPDLimit Qual

Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO)

ND ND

Result

10.00

103

70

Sample ID LCS-35334

Client ID: LCSS

SampType: LCS Batch ID: 35334

TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 47491

Prep Date:

12/5/2017

Analysis Date: 12/6/2017

10

SeqNo: 1520256

Units: %Rec

Qual

Analyte

Result 3.6 SPK value SPK Ref Val %REC 5.000

RPDLimit

Surr: DNOP

SampType: MBLK

LowLimit 71.7

%RPD HighLimit 130

130

Sample ID MB-35334

Batch ID: 35334

TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 47491

130

Analyte Surr: DNOP

Client ID:

Prep Date: 12/5/2017 Analysis Date: 12/6/2017 Result PQL

7.8

SPK value SPK Ref Val

10.00

SeqNo: 1520258 %REC LowLimit

78.0

70

Units: %Rec HighLimit

RPDLimit

Page 4 of 6

- Qualifiers:
- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit POL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range RI.
- Sample container temperature is out of limit as specified

Analyte detected in the associated Method Blank B

Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712092

12-Dec-17

Client:

WPX Energy

Project:

Rosa Unit 166

Sample ID MB-35320

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

Analyte

Client ID: PBS

Batch ID: 35320

PQL

PQL

5.0

RunNo: 47565

%REC

Prep Date: 12/5/2017

Units: mg/Kg

Analysis Date: 12/6/2017 SeqNo: 1519555

%RPD

Qual

Gasoline Range Organics (GRO)

ND 1100

Result

1000

HighLimit

RPDLimit

Surr: BFB

SPK value SPK Ref Val

111

316

Sample ID LCS-35320

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Prep Date: 12/5/2017 Batch ID: 35320

Analysis Date: 12/6/2017

SeqNo: 1519556

Units: mg/Kg

%RPD

Analyte

Result

SPK value SPK Ref Val 25.00

%REC 107

LowLimit 75.9

15

HighLimit

RPDLimit Qual

Gasoline Range Organics (GRO) Surr: BFB

27 1200

1000

124

15

316

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Value above quantitation range
- J Analyte detected below quantitation limits
- Sample pH Not In Range P
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712092

12-Dec-17

Client:

WPX Energy

Project:

Rosa Unit 166

Sample ID MB-35320	TestCode: EPA Method 8021B: Volatiles													
Client ID: PBS	ID: PBS Batch ID: 35320 RunNo: 47565													
Prep Date: 12/5/2017 Analysis Date: 12/			2/6/2017	76/2017 SeqNo: 1519593				ζg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	ND	0.025												
Toluene	ND	0.050												
Ethylbenzene	ND	0.050												
Xylenes, Total	ND	0.10												
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120							

Sample ID LCS-35320	Samp	ype: LC	s	Tes						
Client ID: LCSS	Batc	h ID: 35	320	F	RunNo: 4					
Prep Date: 12/5/2017	Analysis [)ate: 12	2/6/2017	8	SeqNo: 1	519594	Units: mg/k	√ g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	77.3	128			
Toluene	1.1	0.050	1.000	0	108	79.2	125			
Ethylbenzene	1.0	0.050	1.000	0	104	80.7	127			
Xylenes, Total 3.1 0.10 3			3.000	0	102	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 6 of 6

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	WPX ENERGY	Work Order Nu	mber: 1712092		RcptNo:	RcptNo: 1						
Received By: Completed By:	Ashley Gallegos	12/2/2017 8:30:0 12/2/2017 10:29:		A								
Reviewed By:	DDS	12/04/17		•								
Chain of Cus	stody											
	als intact on sample bottle	:s?	Yes 🗌	No 🗆	Not Present							
••	Custody complete?		Yes 🗹	No 🗆	Not Present							
3. How was the	e sample delivered?		Courier	•								
Log In												
4. Was an atte	empt made to cool the sa	mples?	Yes 🗹	No 🗆	na 🗆							
5. Were all sar	mples received at a temp	erature of >0° C to 6.0°C	Yes 🗹	No 🗆	· NA							
6. Sample(s) i	n proper container(s)?		Yes 🗹	No 🗆								
7. Sufficient sa	ample volume for indicate	d test(s)?	Yes 🗹	No 🗆								
8. Are samples	s (except VOA and ONG)	property preserved?	Yes 🗹	No 🗆								
9. Was presen	vative added to bottles?		Yes 🗌	No 🗹	NA 🗆							
10.VOA vials h	ave zero headspace?		Yes 🔲	No 🗆	No VOA Viais 🗹							
11. Were any s	ample containers receive	d broken?	Yes 🗆	No 🗹	# of preserved							
40	dealab ballika labata		v 🗷	No □	bottles checked for pH:							
• •	work match bottle labels? pancies on chain of custo	dy)	Yes 🗹	МС		>12 unless noted)						
13. Are matrices	s correctly identified on Ci	nain of Custody?	Yes 🗹	No 🗆	Adjusted?							
14. Is it clear wh	nat analyses were request	ed?	Yes 🗹	No 🗀	_							
	ding times able to be met customer for authorizatio		Yes 🗹	No 🗆	Checked by:							
•	lling (if applicable)											
16. Was client n	otified of all discrepancie	s with this order?	Yes 🗌	No 🗆	NA 🗹							
Persor	n Notified:	Da	ite									
By Wh		Vi	a: 🗌 eMail 🔲 P	hone 🗌 Fax	☐ In Person							
Regar	*****											
Client	Instructions:				<u></u>							
17. Additional n	emarks:		•									
18. <u>Cooler Info</u>			publica contrata de contrata do establecente	nggraphyng ng papanassalusa en ell								
Cooler N	o Temp G Conditio	Yes Seal Intact Seal No	Seal Date	Signed By								
L'	12.2											

	Chain-of-Custody Record			Turn-Around Time:					!	4	Н	ΙΔΙ	LL	FR	V	TR	20	NR	4 E	NT	'AI	
Client:	WPX	Energy	Production, LLC	X Standard Project Name	□ Rush		 -													TC		
				i -				-			,	www	/.hall	envi	ironr	nent	al.cc	m				
Mailing	Address	721 S	Main	Rosa Unit # 166				4901 Hawkins NE - Albuquerque, NM 87109														
		Azt	ec, NM 87410	Project #:				Tel. 505-345-3975 Fax 505-345-4107														
Phone #	y, 50:	5-333-18	80										Αı			Req						
email or	Fax#: d	eborah.v	watson@wpxenergy.com	Project Mana	ger:		_		<u>ر</u> اح			Ī		Ţ								
	QA/QC Package: X Standard			Deborah	Watson				Gas or	(DRO)				ļ		PCB's			ł			
Accredi	Accreditation:			Sampler:				1	표	鮗				İ		082					1	
	□ NELAP □ Other			Oplication.	trates -				<u>+</u>	Š	86	8	¥	[پر	⊚	8/8		₹	ł			Z b
□ EDD	(Type)_			Stamplanten			7/0.43 <u>c</u>	5	퓓	₹	8	B	히	蠶	ē Š	ğ	ৱ	욁			ŀ	اع
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		, in	BTEX (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (MRO/GRO/DRO)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (Chloride)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
11/30/2	10·20 A	soil	BGT	1-4 oz glass	cold	-	001	x			x	٦	_	7	x		Ť			_	十	+
1412-14	10.50%			<u> </u>							寸	一		7	\neg				7	十	+	+
			_					\vdash		_	-	寸	_	\dashv	_			\dashv	+	十	\dashv	+
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Date:	11me:	Relinguish	*	Received by:	۸	Date	Time	Ren	nark	3:												
13/1 Date:	<u>4:3a</u>	700	un Evang	Che Wast 12/1/17 932																		1
Date:	Time:	l Relinatish	ed by:	Received by:	· با ج	Date 2 02 17	Time 0830															
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WPX Energy Production, LLC Rosa Unit #166 BGT Closure Report Photograph Log

WPX Energy Production, LLC

Rosa Unit #166

30-31N-06W Rio Arriba County, New Mexico

Photograph #1

