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.

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-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, 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.
Operator: WPX Energy Production, LLC OGRID #: 120782 OIL CONS. DIV DIST. 3 Address: PO Box 640/721 S Main Aztec, NM 87410 Facility or well name: Rosa Unit #188A
API Number: 30-039-269-68 OCD Permit Number:
U/L or Qtr/Qtr C Section 34 Township 31N Range 5W County: Rio Arriba Center of Proposed Design: Latitude N 36.861300 Longitude W107.352850 NAD83 Surface Owner: Federal State Private Tribal Trust or Indian Allotment
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: Thicknessmil □ LLDPE □ PVC □ Other □ String-Reinforced Liner Seams: □ Welded □ Factory □ Other Volume:bbl Dimensions: Lx Wx D
Subsection I of 19.15.17.11 NMAC Volume:
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



y - ÿ	
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. <u>Siting Criteria (regarding permitting)</u> : 19.15.17.10 NMAC <i>Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptate are provided below.</i> 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.	☐ 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 Natructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do 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 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. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC
11.	
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 dot 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	.15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

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	
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	luid Management Pit
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	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be 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	
15. 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 sou provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. 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
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
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 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	

 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 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. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. 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 cann 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	.11 NMAC .15.17.11 NMAC
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 believe the certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believe the certification: Title:	
Signature: Date:	
e-mail address: Telephone:	
e-mail address:	3/18
18. OCD Approval: Permit Application (including closure plan) Closure Dian (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date:	t complete this
18. OCD Approval: Permit Application (including closure plan Closure Dian (only) OCD Conditions (see attachment) OCD Representative Signature: Title: OCD Permit Number: 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 clobelief. I also certify that the closure complies with all applicable closure rec	
Name (Print):Deborah Watson	Title: Environmental Specialist
Signature:	Date:
e-mail address: <u>deborah.watson@wpxenergy.com</u>	Telephone: <u>505-333-1880</u>

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

Below-Grade Tank Removal Closure Report Rosa Unit #188A (API #30-039-26396) Unit Letter C, Section 34, 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 FS, 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.

b

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.

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	<0.024
BTEX	EPA SW-846 Method 8021B or 8260B	50	<0.220
Total TPH	EPA SW-846 Method 418.1	100	<20
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 (#1712091)
Photograph log

Form C-144 July 21, 2008

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 2003 FEB 23

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

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

RM 10 57

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.
Operator: WILLIAMS PRODUCTION COMPANY, LLC OGRID #: 120782
Address: PO Box 640 Aztec, NM 87410
Facility or well name: ROSA UNIT #188A
API Number: 3003926396 OCD Permit Number:
Section 34C Township 31N Range 05W County RIO ARRIBA
Latitude: 36.861220000000003 Longitude 107.35281000000001 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: Thickness mil 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
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 Usisble 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.

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 institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	l, hospital,
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)	
a. 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 consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for
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 accematerial are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appn office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	opriate district opproval.
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
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:
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 Lake 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)
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 S. Instructions: Please indentify the facility or facilities for the disposal of liquids, di	teel Tanks or Haul-off Bins Only: (19.15.17.13.1 rilling fluids and drill cuttings. Use attachment if	D NMAC) more than two
facilities are required. Disposal Facility Name:	Disposal Facility Permit Number:	
	Disposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occ Yes (If yes, please provide the information below) No		
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection I Site Reclamation Plan - based upon the appropriate requirements of Subsection	requirements of Subsection H of 19.15.17.13 NMA of 19.15.17.13 NMAC	С
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the c provided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmental demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for	administrative approval from the appropriate dist Bureau office for consideration of approval. Justi	rict office or may be
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
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 sign lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	ficant watercourse or lakebed, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church i Visual inspection (certification) of the proposed site; Aerial photo; Satellite i		☐ Yes ☐ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less water well or spring that less water well or spring that less water well or spring that water well or spring that less water water well or spring that less water well or spring that water well or spring that less water water well or spring that water wate	ring, in existence at the time of initial application.	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval		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 a	and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology Society; Topographic map	& Mineral Resources; USGS; NM Geological	☐ Yes ☐ No
Within a 100-year floodplain FEMA map		☐ Yes ☐ No
Dn-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of S Construction/Design Plan of Burial Trench (if applicable) based upon the app Construction/Design Plan of Temporary Pit (for in-place burial of a drying pactory Protocols and Procedures - based upon the appropriate requirements of 19.15.1 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of S Disposal Facility Name and Permit Number (for liquids, drilling fluids and dri Soil Cover Design - based upon the appropriate requirements of Subsection H Re-vegetation Plan - based upon the appropriate requirements of Subsection Plan - based upon the appropriate requir	rements of 19.15.17.10 NMAC subsection F of 19.15.17.13 NMAC ropriate requirements of 19.15.17.11 NMAC subsection F of 19.15.17.11 NMAC subsection F of 19.15.17.13 NMAC	5.17.11 NMAC

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): HOLLY C. PERKINS Title: EH&S SPECIALIST		
Signature: Ufilly C- Yerkins Date: 2/11/2009		
e-mail address: holly.perkins@williams.com Telephone: 505-634-4209		
20. OCD Approval: Permit Application (including closure plan) Closure Plan (only) CCD Conditions (see attachment)		
OCD Representative Signature:Approval Date:15Nov17	_	
Title: 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.	rt.	
Closure Completion Date:		
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 the two facilities were utilized.	han	
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 checkmark in the box, that the documents are attached.	k	
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: \[\square 1927 \square 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:		

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 Regulrements:

- 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 for vacuumed out for disposal at Envirotech (Permit Number NM-01-0011).
- 6. WPX will obtain prior approval from NMOCD to dispose, recycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel materials will be recycled or reused as approved by the Division. Fiberglass tanks will be empty, cut up or shredded, and EPA cleaned for disposal as solid waste. Liners materials will be cleaned without soils or contaminated material for disposal as

- solid waste. Fiberglass tanks and liner materials will meet the conditions of paragraph 1 subsection D of 19.15.9.712 NMAC. Disposal will be at a licensed disposal facility, presently San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426.
- 7. Any equipment associated with the BGT that is no longer required for some other purpose, following the closure will be removed from the location.
- 8. Following removal of the tank and any liner material, a five-point composite sample will be taken of the excavation and tested per 19.15.17.13(E)(4) NMAC as identified in Table 1. Grab samples will be collected from any area that is wet, discolored or showing other evidence of a release. Results will be report to the Division following receipt from the lab on Form C-141.

Table 1: Closure Criteria for BGTs

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

(1) Method modified for solid waste.

- (2) If background concentration of Chlorides greater than 250 mg/Kg, then higher concentration will be used for closure.
- 9. If the Division and/or WPX determine there is a release, WPX will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC.
- 10. Upon completion of the tank removal, the excavation will be backfilled with non-waste earthen material compacted and covered with a minimum of one foot of top soil or background thickness whichever is greater and to existing grade. The surface will be recontoured to match the native grade and prevent ponding.
- 11. For those portions of the former pit area no longer required for production activities, WPX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: If a surface owner agreement requires reseeding or other surface restoration that do not meet the revegetation requirements of 19.15.17.13.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:

Miller, Jon J -FS; Smith, Cory, EMNRD; Fields, Vanessa, EMNRD

Cc: Subject: Bradshaw, Rob; Watson, Debbie

Date:

Notification BGT Closure Rosa Unit #188A Monday, November 27, 2017 5:11:00 AM

WPX will be closing the BGT at the Rosa Unit #188A on Thursday, November 30, 2017.

Operator: WPX Energy Production, LLC

Well Name and API Number: Rosa Unit #188A (30-039-26396)

Well Head Location: N36.8610764, W107.3527679

BGT Location: N36.86122, W107.35281

Surface Owner: Federal

Location: Unit Letter C, Section 34, 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.

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.

From: postmaster@usda.gov
To: Miller, Jon J -FS

Subject: Delivered: Notification BGT Closure Rosa Unit #188A

Date:Monday, November 27, 2017 5:11:15 AMAttachments:Notification BGT Closure Rosa Unit #188A.msg

Your message has been delivered to the following recipients: Miller, Jon J -FS (jjmiller@fs.fed.us) <mailto:jjmiller@fs.fed.us> Subject: Notification BGT Closure Rosa Unit #188A From:

Microsoft Outlook

To: Subject: Smith, Cory, EMNRD; Fields, Vanessa, EMNRD Relayed: Notification BGT Closure Rosa Unit #188A

Date:

Attachments:

Monday, November 27, 2017 5:11:02 AM Notification BGT Closure Rosa Unit #188A.msg

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 #188A



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 188A

OrderNo.: 1712091

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

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1712091

Date Reported: 12/12/2017

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BGT1 **CLIENT: WPX Energy**

Collection Date: 11/30/2017 12:45:00 PM Project: Rosa Unit 188A Lab ID: 1712091-001 Matrix: SOIL 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	20	mg/Kg	1	12/6/2017	35317
EPA METHOD 300.0: ANIONS					Analyst	: CJS
Chloride	ND	30	mg/Kg	20	12/8/2017 3:58:55 PM	35404
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	3			Analyst	: TOM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	12/6/2017 11:23:33 PM	35334
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/6/2017 11:23:33 PM	35334
Surr: DNOP	84.1	70-130	%Rec	1	12/6/2017 11:23:33 PM	35334
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/6/2017 5:26:00 PM	35320
Surr: BFB	114	15-316	%Rec	1	12/6/2017 5:26:00 PM	35320
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	12/6/2017 5:26:00 PM	35320
Toluene	ND	0.049	mg/Kg	1	12/6/2017 5:26:00 PM	35320
Ethylbenzene	ND	0.049	mg/Kg	1	12/6/2017 5:26:00 PM	35320
Xylenes, Total	ND	0.098	mg/Kg	1	12/6/2017 5:26:00 PM	35320
Surr: 4-Bromofluorobenzene	109	80-120	%Rec	1	12/6/2017 5:26:00 PM	35320

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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 7
- Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712091

12-Dec-17

Client: Project: WPX Energy

Sample ID MB-35404

Rosa Unit 188A

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 35404

PQL

RunNo: 47637

SeqNo: 1523421

Units: mg/Kg

RPDLimit

Qual

Analyte Chloride

Prep Date: 12/8/2017

Analysis Date: 12/8/2017

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

%RPD

Sample ID LCS-35404

SampType: Ics Batch ID: 35404

PQL

1.5

RunNo: 47637

Client ID: LCSS Prep Date: 12/8/2017

Analysis Date: 12/8/2017

Result

ND

SeqNo: 1523422

Units: mg/Kg

HighLimit

RPDLimit

Qual

Chloride

SPK value SPK Ref Val %REC

93.1

LowLimit

TestCode: EPA Method 300.0: Anions

14

15.00

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 Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Detection Limit Sample container temperature is out of limit as specified

Page 2 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712091

12-Dec-17

Client:

WPX Energy

Project:

Rosa Unit 188A

Sample ID MB-35317

SampType: MBLK

TestCode: EPA Method 418.1: TPH

Client ID:

PBS

Batch ID: 35317

RunNo: 47545

Analysis Date: 12/6/2017

SeqNo: 1518432

Units: mg/Kg

Prep Date: 12/5/2017

RPDLimit

Qual

Analyte

PQL Result

SPK value SPK Ref Val %REC LowLimit

%RPD

Petroleum Hydrocarbons, TR

ND

LowLimit

HighLimit

%RPD

SampType: LCS

PQL

20

20

RunNo: 47545

TestCode: EPA Method 418.1: TPH

Sample ID LCS-35317

Client ID: LCSS

Batch ID: 35317

%REC

93.4

Units: mg/Kg

Qual

Analyte

Prep Date: 12/5/2017

Analysis Date: 12/6/2017

93

Result

Result

93

SPK value SPK Ref Val

100.0

SeqNo: 1518433

HighLimit

126

RPDLimit

Qual

Petroleum Hydrocarbons, TR Sample ID LCSD-35317

SampType: LCSD

TestCode: EPA Method 418.1: TPH

80.5

Client ID: LCSS02

Batch ID: 35317

RunNo: 47545 SeqNo: 1518434

Units: mg/Kg

Analyte Petroleum Hydrocarbons, TR

Prep Date: 12/5/2017

Analysis Date: 12/6/2017 PQL

20

SPK value SPK Ref Val %REC LowLimit 100.0

93.4

0

%RPD HighLimit 126

RPDLimit

Qualifiers:

ND

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

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

E Value above quantitation range

Analyte detected below quantitation limits

Page 3 of 7

P Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712091

12-Dec-17

Client:

WPX Energy

Project:

Rosa Unit 188A

San	nple ID	LCS-35299

SampType: LCS

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

70

70

Client ID: LCSS

Batch ID: 35299

PQL

RunNo: 47518

Prep Date: 12/4/2017 Analysis Date: 12/5/2017

SegNo: 1517358

92.8

Units: %Rec

130

HighLimit

RPDLimit

Qual

Analyte Surr: DNOP Result 4.6 SPK value SPK Ref Val %REC 5.000

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

LowLimit

%RPD

%RPD

Sample ID MB-35299

SampType: MBLK Batch ID: 35299

RunNo: 47518

Prep Date: 12/4/2017

PBS

Analysis Date: 12/5/2017

SeqNo: 1517360

108

Units: %Rec

Qual

Analyte

Client ID:

Result 11 SPK value SPK Ref Val

10.00

%REC LowLimit HighLimit

RPDLimit

Surr: DNOP

Analyte

SampType: LCS

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

130

Client ID: LCSS

Sample ID LCS-35334

Batch ID: 35334

RunNo: 47491

Units: ma/Ka

130

Prep Date: 12/5/2017

Analysis Date: 12/6/2017 POL

PQL

SeaNo: 1520256

Qual

Diesel Range Organics (DRO)

45 10 3.6

SPK value SPK Ref Val 50.00 5.000

%REC LowLimit 89.3 73.2 71.7 70

HighLimit %RPD **RPDLimit** 114

Surr: DNOP

Sample ID MB-35334

Result

SampType: MBLK

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

Client ID: Prep Date: 12/5/2017

Batch ID: 35334 Analysis Date: 12/6/2017

SeqNo: 1520258

%RPD

Analyte

PQL SPK value SPK Ref Val

10

%REC LowLimit

Units: mg/Kg HighLimit

RPDLimit

Qual

Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) ND ND 7.8

50 10.00

78.0

Surr: DNOP

Client ID:

SampType: MS

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

70

130

Sample ID 1712091-001AMS

BGT1

Batch ID: 35334

47.35

4.735

49.65

RunNo: 47491

Analyte

Prep Date: 12/5/2017

Analysis Date: 12/6/2017

46

3.8

SPK value SPK Ref Val

SPK value SPK Ref Val

Diesel Range Organics (DRO)

Result **PQL**

SeqNo: 1520312 %REC

Units: mg/Kg %RPD

RPDLimit Qual

Surr: DNOP

SampType: MSD

Analysis Date: 12/7/2017

PQL

9.9

96.4 79.8

LowLimit HighLimit 125

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

55.8 70 130

Sample ID 1712091-001AMSD Client ID:

BGT1

Prep Date: 12/5/2017

Diesel Range Organics (DRO)

Result

48

Batch ID: 35334

9.5

RunNo: 47491

SeqNo: 1520313

LowLimit

55.8

Units: mg/Kg

125

HighLimit

%RPD

5.36

RPDLimit

Page 4 of 7

Qual 20

Analyte

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Analyte detected in the associated Method Blank В

E Value above quantitation range

%REC

97.0

ī Analyte detected below quantitation limits P Sample pH Not In Range

RL

Qualifiers:

ND

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

Practical Quanitative Limit % Recovery outside of range due to dilution or matrix

Reporting Detection Limit Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#: 1712091

12-Dec-17

Client:

WPX Energy

Project:

Rosa Unit 188A

Sample ID 1712091-001AMSD

SampType: MSD

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

Client ID: BGT1

Batch ID: 35334

PQL

RunNo: 47491

Prep Date: 12/5/2017

Analysis Date: 12/7/2017

SeqNo: 1520313

Units: mg/Kg

Analyte

Result

SPK value SPK Ref Val

%REC

LowLimit HighLimit %RPD

RPDLimit

Qual

70

Surr: DNOP

4.0

4.965

80.9

130

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

Page 5 of 7

Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712091

12-Dec-17

Client: Project: WPX Energy

Sample ID MB-35320

Rosa Unit 188A

SampType: MBLK

PQL

PQL

5.0

5.0

TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS

Batch ID: 35320

RunNo: 47565

Prep Date: 12/5/2017

Analysis Date: 12/6/2017

SeqNo: 1519555

Units: mg/Kg

SPK value SPK Ref Val

%REC

HighLimit

%RPD **RPDLimit**

Analyte Gasoline Range Organics (GRO) Result ND

111

Qual

Surr: BFB

1100

1000

15 316

Sample ID LCS-35320 Client ID: LCSS

Prep Date: 12/5/2017

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

RunNo: 47565

LowLimit

Units: mg/Kg

%RPD

Analyte

Batch ID: 35320 Analysis Date: 12/6/2017

SeqNo: 1519556

HighLimit

RPDLimit

Page 6 of 7

Qual

Gasoline Range Organics (GRO)

Result 27

25.00

107

%REC LowLimit

75.9

Surr: BFB

1200

1000

SPK value SPK Ref Val

124

15

316

Qualifiers:

ND

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

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Ε Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1712091

12-Dec-17

Client: Project:

WPX Energy Rosa Unit 188A

Sample ID MB-35320	Sampl	уре: М	BLK	Tes	tCode: El	-							
Client ID: PBS	Batcl	Batch ID: 35320 RunNo: 47565											
Prep Date: 12/5/2017	e: 12/5/2017 Analysis Date: 12/6/2017					SeqNo: 1519593			12/6/2017 SeqNo: 1519593 U				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HìghLimit	%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 SampType: LCS TestCode: EPA Method								tiles		
Client ID: LCSS	Batc	h ID: 35	320	F	RunNo: 4	7565				
Prep Date: 12/5/2017	Analysis [Date: 12	2/6/2017	SeqNo: 1519594			(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	3.000	0	102	81.6	129			
Surr: 4-Bromofluorobenzene	11		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 7 of 7

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

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

Sample Log-In Check List

Client Name:	WPX ENERGY	Work Orde	r Number:	1712091		ReptNo:	1
Received By: Completed By: Reviewed By:	Ashley Galleg Ashley Galleg):28:28 AM	I	A		
Chain of Cus	tody						
1, Custody sea	els intact on samp	ele bottles?		Yes 🗆	No 🗆	Not Present	
2. Is Chain of C	Custody complete	? ,		Yes 🗹	No 🗆	Not Present	
3. How was the	e sample delivere	d? .		<u>Courler</u>			
<u>Log In</u>							
4. Was an atte	empt made to coo	I the samples?		Yes 🗹	No 🗆	, NA 🗆	
5. Were all san	mples received at	a temperature of >0° C to 6	.0°C	Yes 🗹	No 🗆	na 🗆	
6. Sample(s) is	n proper containe	r(s)?		Yes 🗹	No 🗆		
7. Sufficient sa	mple volume for i	indicated test(s)?	,	Yes 🗹	No 🗆		
8. Are samples	(except VOA and	d ONG) properly preserved?		Yes 🗹	No 🗆		
9. Was preserv	rative added to bo	ottles?	•	Yes 🗌	No 🗹	NA 🗆	
10.VOA vials ha	ave zero headspa	ce?	•	Yes 🔲	No 🗀	No VOA Viais 🗹	
11. Were any se	ample containers	received braken?		Yes \square	No 🗹	# of preserved	
• •	work match bottle pancies on chain			Yes 🗹	No 🗆	bottles checked for pH:	r >12 unless noted)
·	₹'	ed on Chain of Custody?		Yes 🗹	No 🗀	Adjusted?	
,	at analyses were	-		Yes 🗹	No 🗆		
15. Were all hold	ding times able to customer for auti	be met?		Yes 🗹	No 🗆	Checked by:	
		·					
Special Hand					\square	🖪	
		epancies with this order?		Yes 🗆	. No 🗆	NA 🗹	7
1	Notified:	i	Date			-	
By Wh Regard	····		Via: [_ eMail _] Phone [] Fax	☐ In Person	
ı	instructions:						
17. Additional re	emarks:		•••••	·····		4. 35.4	_
18. <u>Cooler Info</u>	rmation						
Cooler N	o Temp°C (al No S	eal Date	Signed By		
<u>l</u>	0.9 G	ood Yes			L	J	

	Chain-of-Custody Record									A				-	10	B.H.H.	4 = 1				
Client: WPX Energy Production, LLC				X Standard	Project Name:									,							
N.4-11'	Addess			Rosa Uni	www.hallenvironmental.com																
Mailing	Address	1210	Main		t# 188	A		490	01 H	awki	ns N	IE -	Alb	uque	erqu	e, N	VI 87	109		-	
	Aztec, NM 87410		ec, NM 87410	Project #:			Tel. 505-345-3975 Fax 505-345-4107														
Phone	Phone #: 505-333-1880		80				Analysis Request												318		
email o	email or Fax#: deborah.watson@wpxenergy.com		vatson@wpxenergy.com	Project Mana	ger:			(Klu										\top	Т	Т	T
QA/QC Package:		Deborah	Watson			S	0						B's						1		
X Stan	dard		☐ Level 4 (Full Validation)					9	00						PCB's						
Accredi	itation:			Sampler:				F	GR	=	=	<u></u>			3082						9
□ NEL		☐ Other	1000		Civilia (civila) (es l'illia)			+	RO/	18	90	or PAH)	<i>(</i> n)	(e)	8 / 8		(A)			-	o V
□ EDD	(Type)			Semple Tem	erawe - O	4-4-0.15(10.18)=10.19	5	B	3	pg 4	po	o	etals	loric	ide	8	ş				2
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL Na	BTEX (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (MRO/GRO/DRO)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA	RCRA 8 Metals	Anions (Chloride)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
1/30/17	1246	soil	BGT - 1	1-4 oz glass	cold	-001	X		X	х				X				\top	\top		1
17-10	1-17																	\dashv	+	_	
																	-	\dashv	+	+	+
										-	_		\dashv	-				\dashv	+	+	+
	1						\vdash	_		_				_				\dashv	_	_	+
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	-						\vdash		-			\vdash	_	-	_			\rightarrow	-	-	+
Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Ren	nark	e.												
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) Date:	1:33 Time:	Relinguish	whee Evand	Received by:	سانفات	Date Time	-														
410	958	un	mitted to Hall Environmental may be sub	A	0	2021 n 0830															

WPX Energy Production, LLC Rosa Unit #188A BGT Closure Report Photograph Log

WPX Energy Production, LLC

Rosa Unit #188A

34-31N-05W Rio Arriba County, New Mexico

Photograph #1

