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 June 6, 2013

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.

14 629

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-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.

1.
Operator: WPX Energy Production, LLC OGRID #: 120782
Address: PO Box 640/721 S Main Aztec, NM 87410
Facility or well name: Logos 701H & Logos 702H
API Number: 30-043-21202, 30-043-21219 OCD Permit Number:
U/L or Qtr/Qtr D Section 08 Township 22N Range 5W County: Sandoval
Center of Proposed Design: Latitude N36.157876 Longitude W107.391945 NAD: ☐1927 ☒ 1983
Surface Owner: ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Completion ☐ 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: x W x D

3.
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC

OIL CONS. DIV DIST. 3
MAY 18 2016

Volume: 120 bbl Type of fluid: Produced Water
Tank Construction material: Metal
☐ 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 45 mil ☐ HDPE ☐ PVC ☒ Other LLDPE

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 4'hog wire with one strand of barbed wire on top

21

6.

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

8.

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 acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

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 ☐ NA
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 ☐ NA
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
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

10.

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: _____

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 documents are 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 19.15.17.9 NMAC 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: _____

12.
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_2S, 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

13.
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 ☐ Completion ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Multi-well Fluid Management Pit
☐ 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

14.
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

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 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 ☐ 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 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

16.
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 19.15.17.11 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 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
- ☐ Site Reclamation 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 belief.

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:** 6/6/13

Title: Environmental Spec. **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. 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** February 5, 2015

20.
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.

21.
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 for private land only)
- ☐ 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 N36.157876 Longitude W107.391945 NAD: ☐ 1927 ☒ 1983

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): Deborah Watson Title: Environmental Specialist

Signature: Deborah Watson Date: May 18, 2016

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
Logos #701H (30-043-21202) and Logos #702H (30-043-21219)
Unit Letter D, Section 08, T22N, R05W
Sandoval County, NM

The closure of the Logos #701H and Logos #702H BGT was completed February 2015. Due to turn over within the WPX EH&S Department, limited closure records/details are available. The facility was upgraded shortly after BGT closure and production equipment is in operation within lined secondary containment in the former BGT location.

Closure Notice:

1. The landowner of record will be notified of the intent to closure the BGT by certified mail and a copy of this notification will be included in the closure report. In the case of an emergency, the landowner of record will be notified as soon as practical.

   No record available.

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.
   No record available.

Closure Method:

3. All liquids and sludge will be removed from the BGT within 60 days of cessation of operations. Fluids will be disposed of at a division approved facility.

   All liquids from the BGT were vacuumed out for disposal at Basin Disposal (Permit Number NM-01-0005).

4. Within 6 months of cessation of operations, the operator will dispose, reuse/recycle, or reclaim in a division approved manner the BGT, and all unused equipment associated with the BGT.

   The pit liner was disposed of at WCA Bondad facility as solid waste. The steel tank was removed from the location. All associated equipment no longer needed, was removed from the location.

5. The soils beneath the BGT will be tested as follows:
   a) A five-point composite sample including any obvious staining or wet soils shall be taken under BGT and will be analyzed for constituents listed in Table I of 19.15.17.13 NMAC.

   A sample was collected from beneath the BGT following BGT removal on February 5, 2015. The sample was submitted to Envirotech Analytical Laboratory, Farmington, NM, for analysis of benzene, BTEX, TPH, and chlorides. The laboratory analytical report is attached.

Table 1: Closure Criteria for BGTs

Components	Testing Methods	Closure Limits (mg/Kg)	Results (mg/kg)
Benzene	EPA SW-846 Method 8021B	10	ND
BTEX	EPA SW-846 Method 8021B	50	1.19
GRO/DRO	EPA SW-846 Method 8015M	1,000	16.5
TPH	EPA SW-846 Method 418.1	2,500	48
Chlorides	EPA SW-846 Method 300.0	20,000	ND

6. Based on the results of the soil test, the operator will obtain NMOCD District approval prior to completing any necessary additional delineation for closure. If the soil tests are at or below the standards of closure, the operator will proceed with closure.

   Sampling results indicate no release occurred from the BGT.

7. Upon completion of the BGT, the operator will reclaim the unused BGT location to a safe and stable condition that blends with the surrounding undisturbed area as provided in Paragraph 2 of subsection H of 19.15.17.13 as well as recontouring the area in accordance with paragraph 5 in subsection H of 19.15.17.13 NMAC. The soil cover will be constructed to prevent ponding of water and erosion of cover material.

   The BGT location was backfilled with clean soil and compacted. The facility was upgraded shortly after BGT closure and production equipment is in operation within lined secondary containment in the former BGT location.

8. The reclamation of the BGT area will contain a uniform vegetative cover that reflects a total percent plant cover of at least 70 percent of pre-disturbance levels, excluding noxious weeds. The re-vegetation and reclamation

obligations imposed by other applicable federal or tribal agencies that manage the lands will supersede these provisions and govern the obligations.

The BGT location was backfilled with clean soil and compacted. The facility was upgraded shortly after BGT closure and production equipment is in operation within lined secondary containment in the former BGT location. The BGT location will be reclaimed when it is no longer needed for production operations.

9. 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.

The BGT location was backfilled with clean soil and compacted. The facility was upgraded shortly after BGT closure and production equipment is in operation within lined secondary containment in the former BGT location. 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-Not available,
- Confirmation Sampling Results,
- Disposal Facility Name and Permit Number,
- Site Map, and
- Photo Documentation of Reclamation

Attachments:

Figure 1. Topographic Location Map
Figure 2. Aerial Site Map
Laboratory Analytical Report (WO Number P502018)
Photograph Documentation

Smith, Cory, EMNRD

From: Fields, Vanessa <Vanessa.Fields@wpxenergy.com>
Sent: Tuesday, February 03, 2015 8:17 AM
To: Smith, Cory, EMNRD; Mark_Kelly@nm_blm.gov
Cc: Fields, Vanessa

Importance: High

Cory,

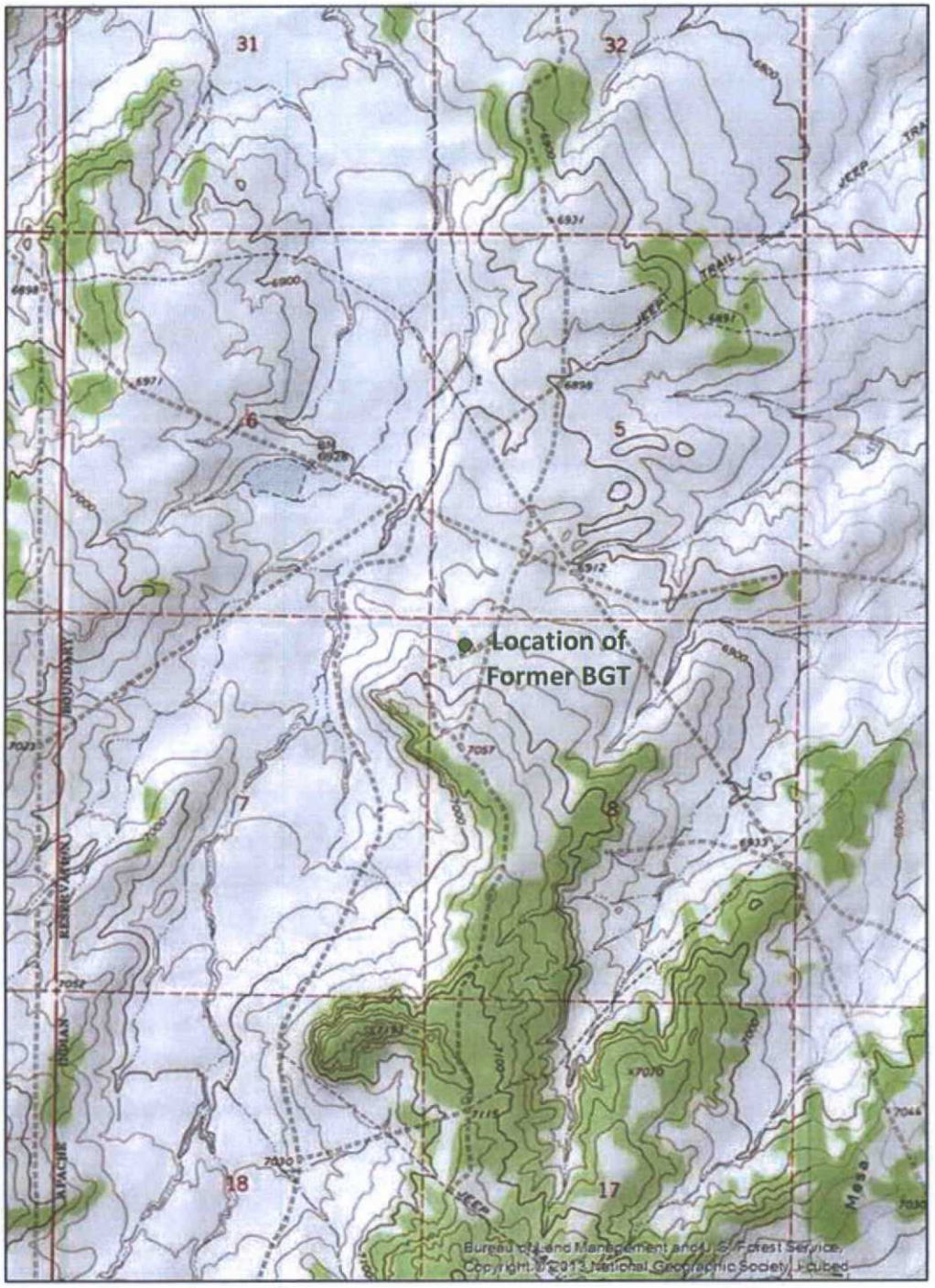
We need to take the following below grade tank out of service, and would like to close this existing BGT. We request your review to allow closure.

Well Site	API	SEC	TWN	RNG
Logos #701H	30-043-21202	D 08	22N	05W
Logos #702H	30-043-21219	D 08	22N	05W

Please let me know if you have any questions and/or concerns.

Thank You,
Vanessa

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



Topographic Map
Logos #701H and Logos #702H
Below Grade Tank Closure Report
Section 08, Township 22N, Range 05W
N36.157876, W107.391945
Sandoval County, NM
Scale 1:24,000

Aerial Site Map
Logos #701H and Logos #702H
Below Grade Tank Closure Report
Section 08, Township 22N, Range 05W
N36.157876, W107.391945
Sandoval County, NM

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: WPX Energy, Inc.

Chain Of Custody Number: 16901

Samples Received: 2/6/2015 2:30:00PM

Job Number: 04108-0136

Work Order: P502018

Project Name/Location: Logos 701 BGT Removal

Entire Report Reviewed By: _____ Date: 2/10/15

Tim Cain, Laboratory Manager

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

WPX Energy, Inc.	Project Name:	Logos 701 BGT Removal	
PO Box 21218	Project Number:	04108-0136	**Reported:**
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	10-Feb-15 12:26

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
36.157940-107.392275	P502018-01A	Soil	02/05/15	02/06/15	Glass Jar, 4 oz.

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

WPX Energy, Inc.	Project Name:	Logos 701 BGT Removal	
PO Box 21218	Project Number:	04108-0136	**Reported:**
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	10-Feb-15 12:26

36.157940-107.392275

P502018-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1506018	02/06/15	02/09/15	EPA 8021B	
Toluene	**0.13**	0.10	mg/kg	1	1506018	02/06/15	02/09/15	EPA 8021B	
Ethylbenzene	**0.13**	0.10	mg/kg	1	1506018	02/06/15	02/09/15	EPA 8021B	
p,m-Xylene	**0.63**	0.20	mg/kg	1	1506018	02/06/15	02/09/15	EPA 8021B	
o-Xylene	**0.29**	0.10	mg/kg	1	1506018	02/06/15	02/09/15	EPA 8021B	
Total Xylenes	**0.92**	0.10	mg/kg	1	1506018	02/06/15	02/09/15	EPA 8021B	
Total BTEX	**1.19**	0.10	mg/kg	1	1506018	02/06/15	02/09/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*		*50-150*	*1506018*	*02/06/15*	*02/09/15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**16.5**	9.97	mg/kg	1	1506018	02/06/15	02/09/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	29.9	mg/kg	1	1506017	02/06/15	02/09/15	EPA 8015D	
Surrogate: o-Terphenyl		*112 %*		*50-200*	*1506017*	*02/06/15*	*02/09/15*	*EPA 8015D*	
Surrogate: 4-Bromochlorobenzene-FID		*92.7 %*		*50-150*	*1506018*	*02/06/15*	*02/09/15*	*EPA 8015D*	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	**48.0**	35.0	mg/kg	1	1507009	02/09/15	02/09/15	EPA 418.1	
Cation/Anion Analysis									
Chloride	ND	9.98	mg/kg	1	1507004	02/09/15	02/09/15	EPA 300.0	

WPX Energy, Inc.	Project Name:	Logos 701 BGT Removal	
PO Box 21218	Project Number:	04108-0136	**Reported:**
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	10-Feb-15 12:26

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1506018 - Purge and Trap EPA 5030A										
Blank (1506018-BLK1)				Prepared & Analyzed: 06-Feb-15						
Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
p,m-Xylene	ND	0.004	"							
o-Xylene	ND	0.002	"							
Total Xylenes	ND	0.002	"							
Total BTEX	ND	0.002	"							
Surrogate: 4-Bromochlorobenzene-PID	*0.441*		"	*0.399*		*110*	*50-150*			
LCS (1506018-BS1)				Prepared & Analyzed: 06-Feb-15						
Benzene	17.2	0.10	mg/kg	20.0		86.1	75-125			
Toluene	18.5	0.10	"	20.0		92.7	70-125			
Ethylbenzene	19.4	0.10	"	20.0		97.1	75-125			
p,m-Xylene	39.2	0.20	"	39.9		98.2	80-125			
o-Xylene	19.2	0.10	"	20.0		96.4	75-125			
Surrogate: 4-Bromochlorobenzene-PID	*0.443*		"	*0.399*		*111*	*50-150*			
Matrix Spike (1506018-MS1)		**Source: P502012-01**		Prepared & Analyzed: 06-Feb-15						
Benzene	16.9	0.10	mg/kg	20.0	ND	84.8	75-125			
Toluene	20.0	0.10	"	20.0	2.49	87.5	70-125			
Ethylbenzene	23.2	0.10	"	20.0	3.31	99.7	75-125			
p,m-Xylene	98.3	0.20	"	40.0	81.6	41.7	80-125			SPK1
o-Xylene	36.7	0.10	"	20.0	21.8	74.4	75-125			SPK1
Surrogate: 4-Bromochlorobenzene-PID	*0.471*		"	*0.400*		*118*	*50-150*			
Matrix Spike Dup (1506018-MSD1)		**Source: P502012-01**		Prepared & Analyzed: 06-Feb-15						
Benzene	16.9	0.10	mg/kg	20.0	ND	84.7	75-125	0.269	15	
Toluene	19.8	0.10	"	20.0	2.49	86.8	70-125	0.815	15	
Ethylbenzene	23.5	0.10	"	20.0	3.31	101	75-125	1.30	15	
p,m-Xylene	97.0	0.20	"	39.9	81.6	38.4	80-125	1.37	15	SPK1
o-Xylene	36.8	0.10	"	20.0	21.8	75.0	75-125	0.294	15	
Surrogate: 4-Bromochlorobenzene-PID	*0.471*		"	*0.399*		*118*	*50-150*			

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Analytical Laboratory

WPX Energy, Inc.	Project Name:	Logos 701 BGT Removal	
PO Box 21218	Project Number:	04108-0136	**Reported:**
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	10-Feb-15 12:26

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1506018 - Purge and Trap EPA 5030A										
Blank (1506018-BLK1)				Prepared & Analyzed: 06-Feb-15						
Gasoline Range Organics (C6-C10)	ND	0.20	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	*0.399*		"	*0.399*		*100*	*50-150*			
LCS (1506018-BS1)				Prepared & Analyzed: 06-Feb-15						
Gasoline Range Organics (C6-C10)	267	9.98	mg/kg	291		91.5	80-120			
Surrogate: 4-Bromochlorobenzene-FID	*0.399*		"	*0.399*		*99.9*	*50-150*			
Matrix Spike (1506018-MS1)	**Source: P502012-01**			Prepared & Analyzed: 06-Feb-15						
Gasoline Range Organics (C6-C10)	865	10.0	mg/kg	292	697	57.8	75-125			SPK1
Surrogate: 4-Bromochlorobenzene-FID	*0.451*		"	*0.400*		*113*	*50-150*			
Matrix Spike Dup (1506018-MSD1)	**Source: P502012-01**			Prepared & Analyzed: 06-Feb-15						
Gasoline Range Organics (C6-C10)	880	9.98	mg/kg	292	697	63.0	75-125	1.72	15	SPK1
Surrogate: 4-Bromochlorobenzene-FID	*0.473*		"	*0.399*		*118*	*50-150*			

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WPX Energy, Inc.	Project Name:	Logos 701 BGT Removal	
PO Box 21218	Project Number:	04108-0136	**Reported:**
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	10-Feb-15 12:26

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1507009 - 418 Freon Extraction										
Blank (1507009-BLK1)				Prepared & Analyzed: 09-Feb-15						
Total Petroleum Hydrocarbons	ND	34.9	mg/kg							
Duplicate (1507009-DUP1)		**Source: P502018-01**		Prepared & Analyzed: 09-Feb-15						
Total Petroleum Hydrocarbons	51.9	34.9	mg/kg		48.0			7.78	30	
Matrix Spike (1507009-MS1)		**Source: P502018-01**		Prepared & Analyzed: 09-Feb-15						
Total Petroleum Hydrocarbons	2040	34.9	mg/kg	2010	48.0	98.8	80-120			

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WPX Energy, Inc.	Project Name:	Logos 701 BGT Removal	
PO Box 21218	Project Number:	04108-0136	**Reported:**
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	10-Feb-15 12:26

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1507004 - Anion Extraction EPA 300.0										
Blank (1507004-BLK1)				Prepared & Analyzed: 09-Feb-15						
Chloride	ND	10.0	mg/kg							
LCS (1507004-BS1)				Prepared & Analyzed: 09-Feb-15						
Chloride	480	9.89	mg/kg	494		97.2	90-110			
Matrix Spike (1507004-MS1)	**Source: P502018-01**			Prepared & Analyzed: 09-Feb-15						
Chloride	482	9.86	mg/kg	493	ND	97.8	80-120			
Matrix Spike Dup (1507004-MSD1)	**Source: P502018-01**			Prepared & Analyzed: 09-Feb-15						
Chloride	508	9.89	mg/kg	495	ND	103	80-120	5.29	20	

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WPX Energy, Inc.	Project Name:	Logos 701 BGT Removal	
PO Box 21218	Project Number:	04108-0136	**Reported:**
Tulsa OK, 74121-1358	Project Manager:	Vanessa Fields	10-Feb-15 12:26

Notes and Definitions

SPK1	The spike recovery for this QC sample is outside of control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
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laboratory@envirotech-inc.com

Rush

CHAIN OF CUSTODY RECORD

16901

Client: WPX Energy

Email results to: Vanessa.Fields@wpx / Buddy Shaw

Client Phone No.: 505-333-1880

Project Name / Location: Logos 701 BGT Removal

Sampler Name: Greg Riley

Client No.: 04108-0136

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative HNO_3	Preservative HCl		TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
36.157940 -107.392275	2/5/15	1200	P502018-01	1 4oz				X	X							X	X				Y	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
BD Shaw	2-6-15	230pm	[signature]	2/6/15	1430
Relinquished by: (Signature)			Received by: (Signature)		
Sample Matrix: Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ ______					

☐ Sample(s) dropped off after hours to secure drop off area.

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16.9

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Photograph Log
Logos 701H and Logos 702H BGT Closure Report
WPX Energy

Photograph 1	
Former Site Name: Logos 701H Logos 702H	
Current Site Name: Jicarilla 103H Jicarilla 104H	
Former BGT Location: N36.157876, W107.391945 D-08-22N-05W Sandoval County, New Mexico	
	Description: Facing SW, current facility setup.