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.

15585

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

OIL CONS. DIV DIST. 3

JUL 28 2016

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: Section 25 Drying Pad/Burial Trench #1
API Number: 30-039-31317, 30-039-31315, 30-039-31314, 30-039-31313, 30-039-31318, 30-039-31321, 30-039-31320 OCD Permit Number:
U/L or Qtr/Qtr D Section 25 Township 31N Range 06W County: Rio Arriba
Center of Proposed Design: Latitude N36.873630 Longitude W107.419056 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 ☒ **Burial Trench/Drying Pad**
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☒ yes ☐ no
☒ Lined ☐ Unlined Liner type: Thickness 20 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other
☒ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☐ Other Volume: 17,786 bbl Dimensions: L 100' x W 125' x D 17'

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: bbl Type of fluid:
Tank Construction material:
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thickness mil ☐ HDPE ☐ PVC ☐ Other

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 Game Fence

55

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
Burial Trench	
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:** 8/24/16

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:** May 27, 2016

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 N36.873630 Longitude W107.419056 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: July 27, 2016

e-mail address: deborah.watson@wpxenergy.com Telephone: 505-333-1880

WPX Energy Production, LLC
San Juan Basin: New Mexico Assets
Burial Trench/Drying Pad Closure Report
Drilling/Completion and Workover
(Groundwater >100 feet below bottom of pit liner)

Facility: Section 25 Drying Pad/Burial Trench #1
API No (s): 30-039-31317, 30-039-31315, 30-039-31314, 30-039-31313, 30-039-31318, 30-039-31321, 30-039-31320
Location: D-S25-T31N-R06W, NMPM

In accordance with Rule 19.15.17.13 NMAC, the following plan describes the general in-place closure requirements of burial trenches/drying pads on WPX Energy Production, LLC (WPX) locations in the San Juan Basin of New Mexico. This is WPX's standard procedure for all burial trenches/drying pads to be utilized for the drilling, completion and/or workovers of oil and gas wells operated by WPX. For those burial trenches/drying pads which do not conform to this standard closure plan, a separate well/pit specific closure plan will be developed and utilized.

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

- Details on Capping and Covering, where applicable
- Division Form C-105: *WELL COMPLETION OR RECOMPLETION REPORT AND LOG*
- Division Form C-103:
- Plot Plan (Pit Diagram)
- Inspection Log
- Notification Documentation
- Sampling Results
- Copy of Deed Notice filed with the County Clerk (format to meet County requirements)
  A deed notice is not required on state, federal or tribal land according to NMOCD FAQ dated October 30, 2008 and posted on the NMOCD website.

General Plan Requirements:

1. Prior to closure the operator shall remove all free liquids reasonably achievable from the pit and drying pad and dispose of such liquids at a division approved facility.

To the extent practical, free liquids (precipitation) were pulled from the burial trench prior to solidification. Water was hauled to WPX SWD #001 and Basin Disposal San Juan County, NM -01-0005 Sec 3, T29N, 11W.

The preferred method of closure for all temporary pits will be on-site closure by in-place burial, provided all the criteria in 19.15.17.13.B are met.

On-site burial plan for this location was approved by the Aztec District Office on July 24, 2015.

2. The surface owner shall be notified of WPX's proposed closure plan using a means that provides proof of notice (i.e. certified mail/return receipt requested)

WPX notified the SMA of its intent to use a temporary pit and onsite burial in the Surface Use Plan in the well APD. The SMA was notified by email see attached. No return receipt required per BLM:FFO/NMOCD MOU dated 5/4/09.

3. Within six months of the "rig-off" status occurring WPX will ensure that the temporary pit is covered, recontoured and reseeding in progress.

On February 2, 2016, WPX submitted a Form C-103 3-month Closure Extension Request to NMOCD. The extension request was approved by NMOCD on February 19, 2016, extending closure until ***5/27/16****. See attached C-103 and email.*

Rosa Unit #643H (API #30-039-31317)
Spud: 7/26/15
Rig Released: 8/27/15
Rosa Unit #642H (API #30-039-31315)
Spud: 7/23/15
Rig Released: 9/9/15

Rosa Unit #641H (API #30-039-31314)
Spud: 7/23/15
Rig Released: 9/25/15
Rosa Unit #640H (API #30-039-31313)
Spud: 7/24/15
Rig Released: 10/14/15
Rosa Unit #648H (API #30-039-31320)
Spud: 7/25/15
Rig Released: 11/11/15
Rosa Unit #644H (API #30-039-31318)
Spud: 7/24/15
Rosa Unit #649H (API #30-039-31321)
Spud: 7/25/15

Pit covered (May 27, 2016). Pit area along with unused portions of well pad to be interim reclaimed in accordance with Surface Management Agency requirements in APD-COAs and per BLM:FFO/NMOCD MOU dated 5/4/09. Seeding and contouring and marker set completed at the site on June 9, 2016.

4. 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)

The Aztec District Office of NMOCD was notified by email using a format acceptable to the District. See attached.

5. Solidification of the remaining pit contents shall be achieved by mixing non-waste containing, earthen material. The solidification process will be accomplished use a combination of natural drying and mechanical mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio shall not exceed 3 parts non-waste to 1 part pit contents.

Following removal of free standing precipitation, the pit contents were mixed with non-waste containing, earthen material in order to achieve appropriate solidification and a consistency that was deemed safe and stable. The solidification process was accomplished using a combination of natural drying, and mechanically mixing using a dozer and trackhoe. The mixing ration was approximately 2.5-3 parts native soil to 1 part pit contents. Solidification was completed on May 27, 2016. NMOCD (Vanessa Fields) was present to verify solidification of the burial trench prior to covering.

6. Upon stabilization the operator shall: fold the outer edges of the trench liner to overlap the waste material in the trench prior to the installation of the geomembrane cover; install a geomembrane cover over the waste material in the lined trench.

Following stabilization: the outer edges of the liner were folded over the solids, then a geomembrane cover was placed over the sloping surface of the stabilized waste material (May 27, 2016).

7. An eight-point composite sample will be taken of the pit using sampling tools and all samples tested per parameters listed in Table II of 19.15.17.13 NMAC. In the event that the criteria are not met (See Table 1), all contents will be handled per 19.15.17.13 Subsection C (i.e. dig and haul to a Division-approved facility). Approval to haul will be requested of the Aztec District office prior to initiation.

An eight-point composite sampling was taken of the burial trench area and the sample was tested per parameters listed in Table II of 19.15.17.13 NMAC. *The composite sample was collected on May 12, 2016. Mr. Cory Smith, NMOCD, was present during sampling. Results are presented in Table 1 and the laboratory report is attached.*

Table 1: Closure Criteria for Temporary Pits in Non-sensitive Areas

Components	Testing Methods	Limits (mg/kg)	5/12/16 Pit (mg/kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2	0.061
BTEX	EPA SW-846 Method 8021B or 8260B	50	0.889
TPH	EPA SW-846 Method 418.1	2500	150
TPH	EPA SW-846 Method 8015M (Full Range)	2500	118.4
GRO/DRO	EPA SW-846 Method 8015M (GRO/DRO)	500	118.4
Chlorides	EPA SW-846 Method 300.1	80,000	220

A five-point composite sample was collected from the burial trench area and the sample was tested per parameters listed in Table II of 19.15.17.13 NMAC. *The composite sample was collected on May 27, 2016. Ms. Vanessa Fields, NMOCD, was present during sampling. Results are presented in Table 2 and the laboratory report is attached.*

Table 2: Closure Criteria for Temporary Pits in Non-sensitive Areas

Components	Testing Methods	Limits (mg/kg)	11/2/15 Pit (mg/kg)
Benzene	EPA SW-846 Method 8021B or 8260B	10	ND
BTEX	EPA SW-846 Method 8021B or 8260B	50	ND
TPH	EPA SW-846 Method 418.1	2,500	42
TPH	EPA SW-846 Method 8015M (Full Range)	2,500	21
GRO/DRO	EPA SW-846 Method 8015M (GRO/DRO)	1,000	21
Chlorides	EPA SW-846 Method 300.1	80,000	31

8. Upon completion of solidification and testing, the pit area will be backfilled with non-waste earthen material compacted to native conditions to enable effective revegetation for successful evapotranspiration. A minimum of three feet of cover including replacement of one foot of suitable material to establish vegetation, or the background thickness of topsoil, whichever is greater.

Upon completion of solidification and testing, the pit area was backfilled with non-waste earthen material compacted to native conditions. A minimum of three feet of cover to the extent practical was achieved and the cover included just over a foot of topsoil suitable to establish vegetation.

The burial trench liner was removed. The liner material was disposed of at the Bondad Landfill operated by WCA.

9. Following cover, the site will be recontoured to meet the Surface Management Agency or surface owner requirements. Re-contouring will attempt to match fit, shape, line form, and texture of the surrounding geography. Re-shaping will include drainage control, prevent ponding, and minimize erosion. Natural drainages will be unimpeded and stormwater Best Management Practices (BMPs) will be used to aid in soil stabilization and protection surface water quality.

Following cover, WPX covered the trench and the drying pad in order to prevent ponding (June 9, 2016). Final reclamation of the area will be completed during final reclamation of the quarry, this area is in use for production/future drilling projects. Upon final reclamation WPX will contour the location to approximately match previous topography meeting the Conditions of Approval in the APD and the direction offered by a BLM/USFS inspector.

10. Notification will be sent to the Aztec District office when the reclaimed area is seeded.

WPX will comply with Surface Management Agency reseeding requirements in the COAs of the APD for the referenced well, per BLM:FFO/NMOCD MOU dated 5/4/09. Final reclamation of the area will be completed during final reclamation of the quarry, this area is in use for production/future drilling projects. .

11. WPX shall seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. *Note: WPX assumes the seeding stipulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) or Land owner as part of a surface use agreement or APD are Division-approved methods unless notified by the Division of their unacceptability.*

WPX will comply with Surface Management Agency reseeding requirements in the COAs of the APD for the referenced well, per BLM:FFO/NMOCD MOU dated 5/4/09. Final reclamation of the area will be completed during final reclamation of the quarry, this area is in use for production/future drilling projects.

12. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the on site burial upon the abandonment of all wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the on site burial of the temporary pit. The plate will be easily removable and a four-foot tall riser will be threaded into the top of the collar marker and welded around the base with the operations information at the time of all wells on the pad abandoned. The information will include Operator Name, Lease Name, Well Name, and number, USTR, and an indicator that the marker is an onsite pit burial location.

The temporary pit was located with a steel marker meeting the above listed specifications. The marker has the following information welded for future reference WPX ENERGY S25-T31N-R06W-D, "Pit Burial" (photo attached). Steel marker set June 9, 2016.

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-105
Revised August 1, 2011

1. WELL API NO.
30-039-31317

2. Type of Lease
☐ STATE ☐ FEE ☒ FED/INDIAN

3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name
Rosa Unit

6. Well Number:
643H

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER

8. Name of Operator
WPX Energy Production, LLC

9. OGRID
120782

10. Address of Operator
PO Box 640/721 South Main, Aztec, New Mexico 87410

11. Pool name or Wildcat

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
		8/27/15		

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run

22. Producing Interval(s), of this completion - Top, Bottom, Name

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*

30. Test Witnessed By

31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude N36.873630 Longitude W107.419056 NAD 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Deborah Watson Printed Name Deborah Watson Title Environmental Specialist Date: 7/27/16

E-mail Address deborah.watson@wpxenergy.com

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

OIL CONS. DIV DIST. 3

JUL 24 2015

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name

4 Property Code	5 Property Name	6 Well Number
	SECTION 25 DRYING PAD / BURIAL TRENCH #1	

7 OGRID No.	8 Operator Name	9 Elevation
120782	WPX ENERGY PRODUCTION, LLC	6372'

10 Surface Location

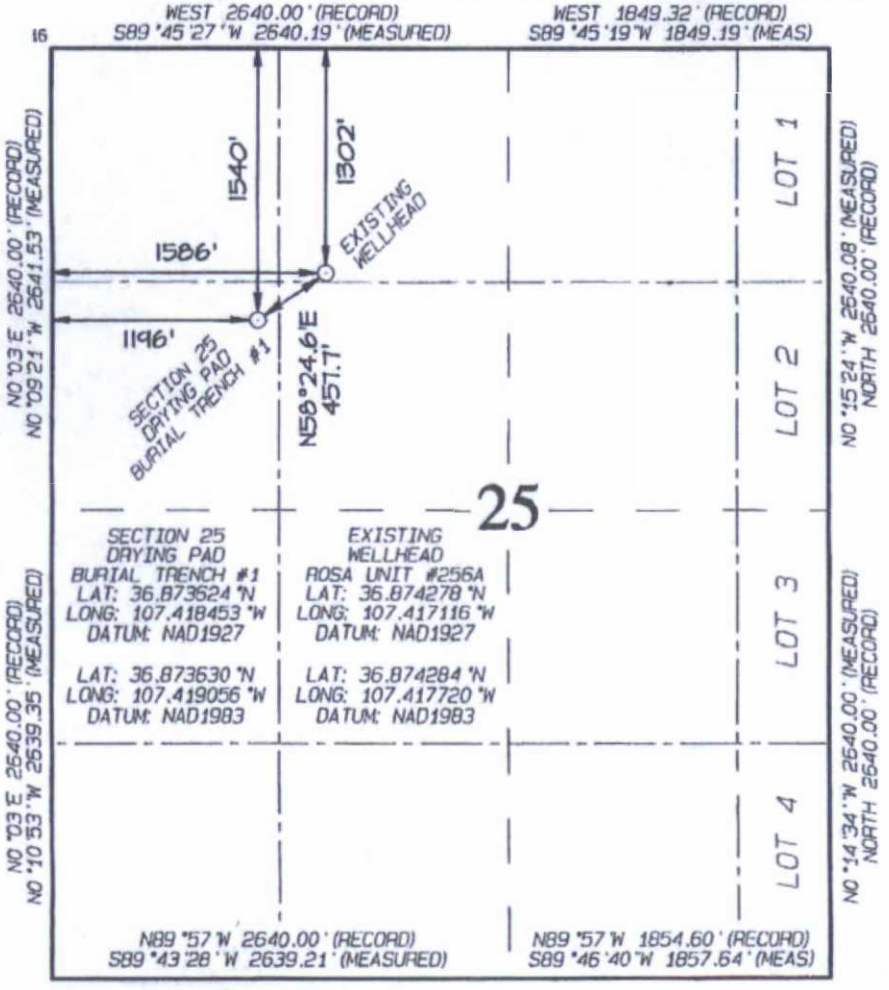
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	25	31N	6W		1540	NORTH	1196	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 7-24-15 Date

Andrea Felix
Printed Name

andrea.felix@wpxenergy.com
E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: JULY 24, 2015
Date of Survey: JUNE 22, 2015

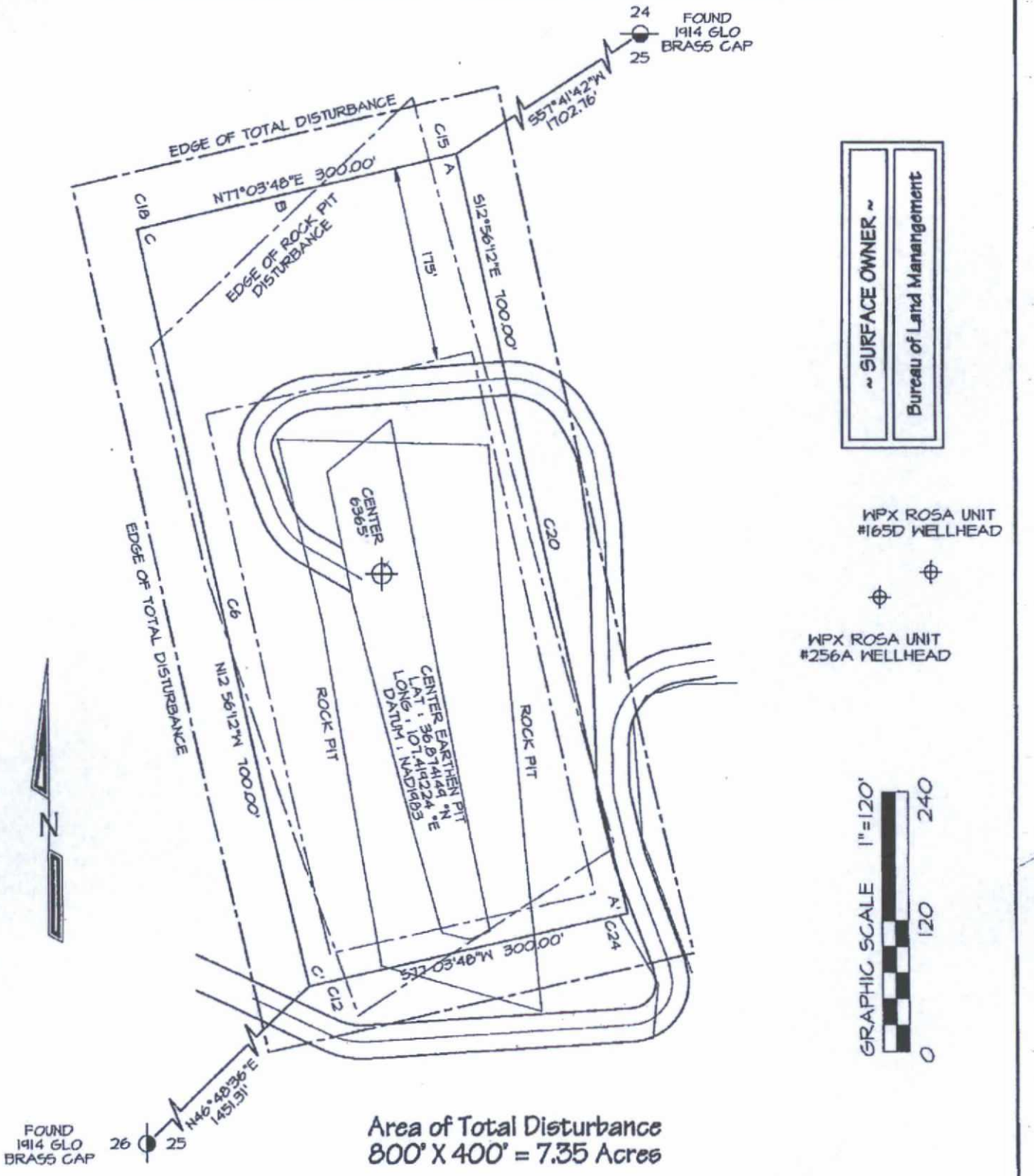
Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
15269
REGISTERED PROFESSIONAL SURVEYOR

JASON C. EDWARDS
Certificate Number 15269

WPX ENERGY PRODUCTION, LLC

LOCATED IN NW/4 NW/4 OF SECTION 25, T31N, R6W
RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6365'
LAT: 36.874350°N LONG: 107.419280°W DATUM: NAD1983



Area of Total Disturbance
800' X 400' = 7.35 Acres

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

30-31317

Form C-103
Revised August 1, 2011

WELL API NO.

5. Indicate Type of Lease STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
Section 25 Drying Pad/Burial Trench

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ Drying Pad/Burial Trench

8. Well Number
#1

2. Name of Operator
WPX Energy Production, LLC

9. OGRID Number

3. Address of Operator
P. O. Box 640, Aztec, NM 87410

10. Pool name or Wildcat

4. Well Location
Unit Letter E : 1540 feet from the N line and 1196 feet from the W line
Section 25 Township 31N Range 6W NMPM County Rio Arriba

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
6372' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER:	☐			OTHER: Extension for drying pad/burial trench closure application	☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Due to BLM Winter Closure restrictions in the Rosa Unit (NMNM 78407E), WPX Energy Production, LLC hereby requests for a 3-month extension to close the Section 25 Drying Pad/Burial Trench #1 (13037). The drilling rig was released from the first well on Rosa Pad 27, the Rosa Unit #643H (API #30-039-31317) at 06.00 on 08/27/2015, therefore, we are requesting an extension to close the Section 25 Drying Pad/Burial Trench #1 until 05/27/2016.

OIL CONS. DIV DIST. 3

FEB 03 2016

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [signature] TITLE Regulatory Specialist, Sr. DATE 02/02/2016

Type or print name Andrea Felix E-mail address: andrea.felix@wpxenergy.com PHONE: 505-333-1849

For State Use Only

APPROVED BY: [signature] TITLE Environmental Spec DATE 2/19/16

Conditions of Approval (if any): New closure Date 5/27/16 See Attached

8

State of New Mexico
Energy, Minerals and Natural Resources Department

New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.5.11

Application Type:

☐ P&A ☐ Drilling/Casing Change ☐ Location Change

☐ Recomplete/DHC (For hydraulic fracturing operations review EPA Underground injection control Guidance #84)

☒ Other: C-144 Burial Trench Closure extension request.

Conditions of Approval:

WPX request for a (3) three month closure extension at the Section 25 Drying Pad/Burial Trench #1 has been approved with the following Conditions:

- Due to the amount of free standing fluids witnessed within the Burial trench, WPX will need to verify that the contents of the Burial trench are stabilized prior to closure.
- OCD requires to be present when WPX verifies that the contents of the trench are stabilized prior to closure.
- During the 3 month extension, WPX will continue to follow all aspects of their approved permit.

If you have any questions please feel free to contact me.

NMOCD Approved by Signature

2/19/16
Date

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.

13037

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

OIL CONS. DIV DIST. 3

FEB 03 2016

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: P.O. Box 640 Aztec, NM 87410
Facility or well name: Section 25 Drying Pad/Burial Trench #1
API Number: 30-039-31317, 30-039-31315, 30-039-31314, 30-039-31313, 30-039-31318, 30-039-31321, 30-039-31320
OCD Permit Number:
U/L or Qtr/Qtr Section 25 Township T31N Range R6W County: Rio Arriba
Center of Proposed Design: Latitude 36.873473 Longitude -107.419031 NAD: ☐ 1927 ☒ 1983 Google Earth
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC ☒ **Burial Trench/Drying Pad**
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Fluid ☒ yes ☐ no
☒ Lined ☐ Unlined Liner type: Thickness 30 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other
☒ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☐ Other Volume 17,786 bbl Dimensions: L 100 W 125 D 17 feet

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: bbl Type of fluid:
Tank Construction material:
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thickness mil ☐ HDPE ☐ PVC ☐ Other

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 Game fence

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, burial trench, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells **See Figures 1 & 2**	☐ 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) See Figure 5** - 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) See Figure 7** - 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) See Figure 8 and discussion in application** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No ☐ Yes ☒ No
Within a 100-year floodplain. **(Does not apply to below grade tanks) See Figure 9** - FEMA map	
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 ☐ 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	
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 ☐ 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	
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
Burial Trench	
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 **See Figure 3**	☐ 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 **See Figure 4**	☐ 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 - **See Figures 1 & 2**	☐ Yes ☒ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site **See Figure 6**	☐ Yes ☒ No

10.
Temporary Pits, Emergency Pits, Burial Trench 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 ☐ 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): Heather Riley — Title: Regulatory Manager

Signature: Heather Riley — Date: July 14, 2015

e-mail address: heather.riley@dvnenergy.com — Telephone: 505-333-1822

18.
OCD Approval: ☒ Permit Application (including closure plan) ☐ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: [signature] — **Approval Date:** 7/24/15

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:**

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 _____ Longitude _____ 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): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

Watson, Debbie

From: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Sent: Friday, February 19, 2016 11:17 AM
To: Chris Lopez
Cc: Riley, Heather; Felix, Andrea; Watson, Debbie
Subject: RE: Section 25 Drying Pad/Burial Trench #1 Permit #

Chris,

WPX request for a (3) three month closure extension at the Section 25 Drying Pad/Burial Trench #1 has been approved with the following Conditions:

- Due to the amount of free standing fluids witnessed within the Burial trench, WPX will need to verify that the contents of the Burial trench are stabilized prior to closure.
- OCD requires to be present when WPX verifies that the contents of the trench are stabilized prior to closure.
- During the 3 month extension, WPX will continue to follow all aspects of their approved permit.

The new closure date for the Burial trench will be 5/27/16, If you have any questions please feel free to contact me.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Chris Lopez [mailto:chrislopez@eis-llc.com]
Sent: Tuesday, February 02, 2016 3:14 PM
To: 'Chris Lopez'; Smith, Cory, EMNRD
Cc: Riley, Heather; Felix, Andrea; Watson, Debbie
Subject: RE: Section 25 Drying Pad/Burial Trench #1 Permit #

Hey Cory,

We are submitting the attached Form C-103 for the Section 25 Drying Pad/Burial Trench #1 to your office today and will reference the 13037 number on the top corner of the APPROVED C-144 Form (attached). Let me know if you have any questions as well as when the extension request is approved, thanks –

Chris

From: Chris Lopez [mailto:chrislopez@eis-llc.com]
Sent: Wednesday, January 27, 2016 9:38 AM
To: cory.smith@state.nm.us
Cc: 'Riley, Heather'; 'Felix, Andrea'; Watson, Debbie
Subject: Section 25 Drying Pad/Burial Trench #1 Permit #

Hey again Cory,

I am unable to find the Permit # for the Section 25 Drying Pad/Burial Trench #1 on your website or on the APPROVED C-144 form. The number 13037 is written on the top corner of the C-144 form. Can you help provide me with a Permit number to reference for the C-103 Closure Extension request, thanks –

Chris

Chris S. Lopez
Regulatory Specialist

EIS
Energy Inspection Services
479 Wolverine Drive #9
Bayfield, CO 81122
505-699-9832 (Cell)
505-333-1845 (Office)
chrislopez@eis-llc.com

Watson, Debbie

From: Watson, Debbie
Sent: Friday, May 06, 2016 3:48 PM
To: mflanike@blm.gov
Cc: Felix, Andrea
Subject: FW: Closure Notification Section 25 Drying Pad/Burial Trench #1

Tracking:	**Recipient**	**Delivery**	**Read**
	mflanike@blm.gov		
	Felix, Andrea	Delivered: 5/6/2016 3:48 PM	Read: 5/6/2016 3:52 PM

From: Watson, Debbie
Sent: Friday, May 06, 2016 3:36 PM
To: 'Smith, Cory, EMNRD' ; Fields, Vanessa, EMNRD ; Powell, Brandon, EMNRD ; 'Diemer, Katherina' ; 'Joe, Maureen' ; rherrera@blm.gov; rafields@blm.gov
Cc: VanDenBerg, Randy ; Riley, Heather ; Lepich, Mark ; Felix, Andrea ; Knight, Russell ; Heckman, Curt
Subject: Closure Notification Section 25 Drying Pad/Burial Trench #1

This email serves as notification of closure activities for the Section 25 Drying Pad/Burial Trench #1.

Operator: WPX Energy
Facility Name: Section 25 Drying Pad/Burial Trench #1
Unit Letter E, Section 25, Township 31N, Range 6W
Rio Arriba County, NM
GPS: N36.873473, W107.419031

Closure activities will begin with the collection of an eight-point composite sample from within the cuttings trench. Sampling is scheduled for Tuesday, May 10, 2016 at 11:00 am. Notification will be sent if there is a delay in closure activities.

Please contact me with any questions. Thank you.

Have a great weekend,

Debbie

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

Watson, Debbie

From: Watson, Debbie
Sent: Friday, May 06, 2016 3:36 PM
To: Smith, Cory, EMNRD; Fields, Vanessa, EMNRD; Powell, Brandon, EMNRD; Diemer, Katherina; Joe, Maureen; rherrera@blm.gov; rafields@blm.gov
Cc: VanDenBerg, Randy; Riley, Heather; Lepich, Mark; Felix, Andrea; Knight, Russell; Heckman, Curt
Subject: Closure Notification Section 25 Drying Pad/Burial Trench #1

Tracking:

Recipient	Delivery	Read
Smith, Cory, EMNRD		
Fields, Vanessa, EMNRD		
Powell, Brandon, EMNRD		
Diemer, Katherina		
Joe, Maureen		
rherrera@blm.gov		
rafields@blm.gov		
VanDenBerg, Randy	Delivered: 5/6/2016 3:36 PM	
Riley, Heather	Delivered: 5/6/2016 3:36 PM	
Lepich, Mark	Delivered: 5/6/2016 3:36 PM	Read: 5/6/2016 6:58 PM
Felix, Andrea	Delivered: 5/6/2016 3:36 PM	Read: 5/6/2016 3:46 PM
Knight, Russell	Delivered: 5/6/2016 3:36 PM	Read: 5/9/2016 6:28 AM
Heckman, Curt	Delivered: 5/6/2016 3:36 PM	Read: 5/6/2016 4:07 PM

This email serves as notification of closure activities for the Section 25 Drying Pad/Burial Trench #1.

Operator: WPX Energy
Facility Name: Section 25 Drying Pad/Burial Trench #1
Unit Letter E, Section 25, Township 31N, Range 6W
Rio Arriba County, NM
GPS: N36.873473, W107.419031

Closure activities will begin with the collection of an eight-point composite sample from within the cuttings trench. Sampling is scheduled for Tuesday, May 10, 2016 at 11:00 am. Notification will be sent if there is a delay in closure activities.

Please contact me with any questions. Thank you.

Have a great weekend,

Debbie

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

WPXENERGY

From:	Microsoft Outlook
To:	Diemer, Katherina; Joe, Maureen; rherrera@blm.gov; rafields@blm.gov
Subject:	Relayed: Closure Notification Section 25 Drying Pad/Burial Trench #1
Date:	Friday, May 06, 2016 3:35:52 PM
Attachments:	Closure Notification Section 25 Drying PadBurial Trench #1.msg

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:
Diemer, Katherina (kdiemer@blm.gov) <mailto:kdiemer@blm.gov>
Joe, Maureen (mjoe@blm.gov) <mailto:mjoe@blm.gov>
rherrera@blm.gov (rherrera@blm.gov) <mailto:rherrera@blm.gov>
rafields@blm.gov (rafields@blm.gov) <mailto:rafields@blm.gov>
Subject: Closure Notification Section 25 Drying Pad/Burial Trench #1

From:	Microsoft Outlook
To:	Smith, Cory, EMNRD;Fields, Vanessa, EMNRD; Powell, Brandon, EMNRD
Subject:	Relayed: Closure Notification Section 25 Drying Pad/Burial Trench #1
Date:	Friday, May 06, 2016 3:36:04 PM
Attachments:	Closure Notification Section 25 Drying PadBurial Trench #1.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>
Powell, Brandon, EMNRD (Brandon.Powell@state.nm.us) <mailto:Brandon.Powell@state.nm.us>
Subject: Closure Notification Section 25 Drying Pad/Burial Trench #1

From:	Microsoft Outlook
To:	mflanike@blm.gov
Subject:	Relayed: FW: Closure Notification Section 25 Drying Pad/Burial Trench #1
Date:	Friday, May 06, 2016 3:48:03 PM
Attachments:	FW Closure Notification Section 25 Drying PadBurial Trench #1.msg

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:
mflanike@blm.gov (mflanike@blm.gov) <mailto:mflanike@blm.gov>
Subject: FW: Closure Notification Section 25 Drying Pad/Burial Trench #1

From:	Watson, Debbie
To:	"Smith, Cory, EMNRD"; Fields, Vanessa, EMNRD; Powell, Brandon, EMNRD; "Diemer, Katherina"; "Joe, Maureen"; rherrera@blm.gov; rafields@blm.gov; mflanike@blm.gov
Cc:	VanDenBerg, Randy; Riley, Heather; Lepich, Mark; Felix, Andrea; Knight, Russell; Heckman, Curt
Subject:	FW: Closure Notification Section 25 Drying Pad/Burial Trench #1
Date:	Monday, May 09, 2016 11:22:00 AM

Due to heavy rain on Sunday and earlier this morning in the Rosa area, WPX has tentatively scheduled sampling for Thursday, May 12 at 1:00 PM.
Please contact me with any questions.
Thank you,
Debbie

From: Watson, Debbie
Sent: Friday, May 06, 2016 3:36 PM
To: 'Smith, Cory, EMNRD' ; Fields, Vanessa, EMNRD ; Powell, Brandon, EMNRD ; 'Diemer, Katherina' ; 'Joe, Maureen' ; rherrera@blm.gov; rafields@blm.gov
Cc: VanDenBerg, Randy ; Riley, Heather ; Lepich, Mark ; Felix, Andrea ; Knight, Russell ; Heckman, Curt
Subject: Closure Notification Section 25 Drying Pad/Burial Trench #1

This email serves as notification of closure activities for the Section 25 Drying Pad/Burial Trench #1.
Operator: WPX Energy
Facility Name: Section 25 Drying Pad/Burial Trench #1
Unit Letter E, Section 25, Township 31N, Range 6W
Rio Arriba County, NM
GPS: N36.873473, W107.419031
Closure activities will begin with the collection of an eight-point composite sample from within the cuttings trench. Sampling is scheduled for Tuesday, May 10, 2016 at 11:00 am. Notification will be sent if there is a delay in closure activities.
Please contact me with any questions. Thank you.
Have a great weekend,
Debbie

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

WPXENERGY

From:	Microsoft Outlook
To:	"Smith, Cory, EMNRD"; Fields, Vanessa, EMNRD; Powell, Brandon, EMNRD
Subject:	Relayed: FW: Closure Notification Section 25 Drying Pad/Burial Trench #1
Date:	Monday, May 09, 2016 11:22:15 AM
Attachments:	FW Closure Notification Section 25 Drying PadBurial Trench #1.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>
Powell, Brandon, EMNRD (Brandon.Powell@state.nm.us) <mailto:Brandon.Powell@state.nm.us>
Subject: FW: Closure Notification Section 25 Drying Pad/Burial Trench #1

From:	Microsoft Outlook
To:	"Diemer, Katherina"; "Joe, Maureen"; rherrera@blm.gov; rafields@blm.gov; mflanike@blm.gov
Subject:	Relayed: FW: Closure Notification Section 25 Drying Pad/Burial Trench #1
Date:	Monday, May 09, 2016 11:22:19 AM
Attachments:	FW Closure Notification Section 25 Drying PadBurial Trench #1.msg

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:
'Diemer, Katherina' (kdiemer@blm.gov) <mailto:kdiemer@blm.gov>
'Joe, Maureen' (mjoe@blm.gov) <mailto:mjoe@blm.gov>
rherrera@blm.gov (rherrera@blm.gov) <mailto:rherrera@blm.gov>
rafields@blm.gov (rafields@blm.gov) <mailto:rafields@blm.gov>
mflanike@blm.gov (mflanike@blm.gov) <mailto:mflanike@blm.gov>
Subject: FW: Closure Notification Section 25 Drying Pad/Burial Trench #1

WPXENERGY

WPX Energy Production
San Juan Basin Operations

Burial Trench Inspection

Location:	Well Pad 27 Only			Burial Trench Location:	N36.873473, W107.419031				
Pit Type:	Drilling and Completion			Inspection Frequency: Weekly					
Date	Inspector Name	Liner-good condition	Properly fenced	Slopes intact	Well Pad 27 Materials	free oil or sheen present?	Fluid in trench	Trash at location	Comments
8/13/2015	James Retherford	Y	Y	Y	Y	N		N	
8/25/2015	Larry Candelaria	Y	Y	Y	Y	N	Y	N	Water in pit, possible rain water. CNJ called to remove water.
9/2/2015	James Retherford	Y	Y	Y	Y	N	Y	N	CNJ called to remove water.
9/8/2015	James Retherford	Y	Y	Y	Y	N	Y	N	CNJ called to remove water.
9/19/2015	Larry Candelaria	Y	Y	Y	Y	N	Y	N	Water in pit,likely rain water. CNJ called to remove water.
9/26/2015	Jarvis Abbey	Y	Y	Y	Y	N	Y	N	CNJ called to remove water.
10/7/2015	Jarvis Abbey	Y	Y	Y	Y	N	Y	N	CNJ called to remove water.
10/15/2015	James Retherford	Y	Y	Y	Y	N	Y	N	
10/26/2015	James Retherford	Y	Y	Y	Y	N	Y	N	
11/2/2015	Jarvis Abbey	Y	Y	Y	Y	N	Y	N	Rain water in pit. CNJ hauled water from pit.
11/7/2015	Jarvis Abbey	Y	Y	Y	Y	N	N	N	
11/19/2015	Glenn Shelby	Y	Y	Y	Y	N	Y	N	
12/10/2015	Deborah Watson	N	Y	Y	Y	N	Y	N	Three holes in liner. CNJ hauled water from pit. Liner repairs scheduled for 11th. Cory Smith NMOCD on location.
12/17/2015	Darrell Bays	Y	Y	Y	Y	N	Y	N	Snow and small water puddles (frozen) in pit.
12/23/2015	Darrell Bays	Y	Y	Y	Y	N	Y	N	Snow and small water puddles (frozen) in pit.
12/30/2015	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/4/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/5/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/6/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/7/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/11/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.

WPXENERGY

WPX Energy Production
San Juan Basin Operations

Burial Trench Inspection

Location:	Well Pad 27 Only	Burial Trench Location:	N36.873473, W107.419031
Pit Type:	Drilling and Completion	Inspection Frequency:	Weekly

Date	Inspector Name	Liner-good condition	Properly fenced	Slopes intact	Well Pad 27 Materials	free oil or sheen present?	Fluid in trench	Trash at location	Comments
1/12/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/15/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/18/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/19/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/21/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/22/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/25/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/26/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/27/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/28/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
1/29/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/1/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.

WPXENERGY

WPX Energy Production
San Juan Basin Operations

Burial Trench Inspection

Location:	Well Pad 27 Only	Burial Trench Location:	N36.873473, W107.419031
Pit Type:	Drilling and Completion	Inspection Frequency:	Weekly

Date	Inspector Name	Liner-good condition	Properly fenced	Slopes intact	Well Pad 27 Materials	free oil or sheen present?	Fluid in trench	Trash at location	Comments
2/2/2016	Darrell Bays	Y, covered in snow	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/3/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/4/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/5/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/8/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/9/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/12/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/15/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/16/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/17/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/18/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.
2/19/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	frozen/snow covered	N	Not receiving solids, reserve pit is covered with snow and ice. Any fluid in pit is frozen. No visible oil sheen. Drying pad is currently frozen.

WPXENERGY

WPX Energy Production
San Juan Basin Operations

Burial Trench Inspection

Location:	Well Pad 27 Only	Burial Trench Location:	N36.873473, W107.419031
Pit Type:	Drilling and Completion	Inspection Frequency:	Weekly

Date	Inspector Name	Liner-good condition	Properly fenced	Slopes intact	Well Pad 27 Materials	free oil or sheen present?	Fluid in trench	Trash at location	Comments
2/22/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	Y, melting-water not accessible	N	Drying pad beginning to thaw. Roads not accessible.
2/24/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	Y, melting-water not accessible	N	Drying pad beginning to thaw. Roads not accessible. Berm satisfactory.
2/25/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	Y,melting-started pulling water	N	Drying pad beginning to thaw-started pulling water. Berm satisfactory.
2/26/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	Y,melting-pulling water	N	Drying pad beginning to thaw- pulling water. Berm satisfactory.
2/29/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	Y,melting-pulling water	N	Drying pad beginning to thaw- pulling water. Berm satisfactory.
3/1/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	Y,melting-pulling water	N	Drying pad beginning to thaw- pulling water. Berm satisfactory.
3/2/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N,pulled as much fluid as possible	N	Drying pad thawed out. Berm satisfactory.
3/3/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad thawed out. Berm satisfactory.
3/4/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/8/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/10/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/11/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/14/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/15/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/16/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/21/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/22/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/23/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.

WPX Energy Production
San Juan Basin Operations

Burial Trench Inspection

Location:	Well Pad 27 Only	Burial Trench Location:	N36.873473, W107.419031
Pit Type:	Drilling and Completion	Inspection Frequency: Weekly	

Date	Inspector Name	Liner-good condition	Properly fenced	Slopes intact	Well Pad 27 Materials	free oil or sheen present?	Fluid in trench	Trash at location	Comments
3/24/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/28/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
3/29/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
4/4/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
4/5/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory.
4/8/2016	Darrell Bays	Y, inspected exposed liner	Y	Y	Y, not receiving materials	N	N	N	Drying pad-no fluids running into trench, sufficient material cover over liner. Berm satisfactory. Hydrocarbon impacted material removed from location-will inspect cleanup.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 27, 2016

Debbie Watson
WPX Energy
721 S Main Ave
Aztec, NM 87410
TEL: (505) 333-1880
FAX

RE: Section 25 Burial Trench 1 OrderNo.: 1605621

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/13/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued May 16, 2016.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1605621**
Date Reported: **7/27/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy
Project: Section 25 Burial Trench 1
Lab ID: 1605621-001 **Matrix:** SOIL

Client Sample ID: SC-1
Collection Date: 5/12/2016 2:00:00 PM
Received Date: 5/13/2016 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	150	20		mg/Kg	1	5/13/2016 12:00:00 PM	25298
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	220	30		mg/Kg	20	5/13/2016 11:39:32 AM	25305
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	110	9.3		mg/Kg	1	5/13/2016 12:50:17 PM	25301
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/13/2016 12:50:17 PM	25301
Surr: DNOP	91.3	70-130		%Rec	1	5/13/2016 12:50:17 PM	25301
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	8.4	2.7		mg/Kg	1	5/13/2016 10:50:26 AM	A34206
Surr: BFB	132	80-120	S	%Rec	1	5/13/2016 10:50:26 AM	A34206
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	0.061	0.014		mg/Kg	1	5/13/2016 10:50:26 AM	B34206
Toluene	0.28	0.027		mg/Kg	1	5/13/2016 10:50:26 AM	B34206
Ethylbenzene	0.058	0.027		mg/Kg	1	5/13/2016 10:50:26 AM	B34206
Xylenes, Total	0.49	0.054		mg/Kg	1	5/13/2016 10:50:26 AM	B34206
Surr: 4-Bromofluorobenzene	129	80-120	S	%Rec	1	5/13/2016 10:50:26 AM	B34206

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1605621**

27-Jul-16

Client: WPX Energy

Project: Section 25 Burial Trench 1

Sample ID	MB-25305	SampType:	mblk	TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS	Batch ID:	25305	RunNo:	34210				
Prep Date:	5/13/2016	Analysis Date:	5/13/2016	SeqNo:	1054885	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25305	SampType:	lcs	TestCode:	EPA Method 300.0: Anions				
Client ID:	LCSS	Batch ID:	25305	RunNo:	34210				
Prep Date:	5/13/2016	Analysis Date:	5/13/2016	SeqNo:	1054886	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1605621**

27-Jul-16

Client: WPX Energy

Project: Section 25 Burial Trench 1

Sample ID	MB-25298	SampType:	MBLK	TestCode:	EPA Method 418.1: TPH				
Client ID:	PBS	Batch ID:	25298	RunNo:	34198				
Prep Date:	5/13/2016	Analysis Date:	5/13/2016	SeqNo:	1054475	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	LCS-25298	SampType:	LCS	TestCode:	EPA Method 418.1: TPH				
Client ID:	LCSS	Batch ID:	25298	RunNo:	34198				
Prep Date:	5/13/2016	Analysis Date:	5/13/2016	SeqNo:	1054476	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	103	83.4	127			

Sample ID	LCSD-25298	SampType:	LCSD	TestCode:	EPA Method 418.1: TPH				
Client ID:	LCSS02	Batch ID:	25298	RunNo:	34198				
Prep Date:	5/13/2016	Analysis Date:	5/13/2016	SeqNo:	1054477	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	104	83.4	127	1.34	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1605621**

27-Jul-16

Client: WPX Energy

Project: Section 25 Burial Trench 1

Sample ID **MB-25301**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **25301**	RunNo: **34205**
Prep Date: **5/13/2016**	Analysis Date: **5/13/2016**	SeqNo: **1054757** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.3	70	130			

Sample ID **LCS-25301**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **25301**	RunNo: **34205**
Prep Date: **5/13/2016**	Analysis Date: **5/13/2016**	SeqNo: **1054758** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.8	65.8	136			
Surr: DNOP	4.1		5.000		82.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1605621**

27-Jul-16

Client: WPX Energy

Project: Section 25 Burial Trench 1

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **A34206**	RunNo: **34206**
Prep Date:	Analysis Date: **5/13/2016**	SeqNo: **1055192** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.2	80	120			

Sample ID **2.5UG GRO LCS**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **A34206**	RunNo: **34206**
Prep Date:	Analysis Date: **5/13/2016**	SeqNo: **1055193** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.6	80	120			
Surr: BFB	1100		1000		108	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: WPX ENERGY Work Order Number: 1605621 RcptNo: 1

Received by/date: AT 05/13/16

Logged By: Anne Thorne 5/13/2016 7:30:00 AM

Completed By: Anne Thorne 5/13/2016

Reviewed By: AS/AT 05/13/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Yes			

Chain-of-Custody Record

Client: WPX Energy

Mailing Address: PO Box 640
Aztec, NM 87410

Phone #: 505-333-1880/505-386-9693

email or Fax#: deborah.watson@wpxenergy.com

QA/QC Package:
X Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush same day

Project Name:
Section 25 Burial Trench #1

Project #:

Project Manager:
D. Watson

Sampler: D Watson

On Ice: ☐ Yes ☐ No

Sample Temperature:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX (8021)	TPH (8015) GRO/DRO ONLY	Chlorides	TPH (418.1)	Air Bubbles (Y or N)
5.12.16	14:00	soil	SC-1	1-8 oz meatkit	cold	001	X	X	X	X	

Date: 5/12/16 Time: 1750 Relinquished by: Deborah Watson Received by: Date 5/12/16 Time 1750

Date: 5/12/16 Time: 1932 Relinquished by: Deborah Watson Received by: Date 05/13/16 Time 0730

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 27, 2016

Debbie Watson

WPX Energy
721 S Main Ave
Aztec, NM 87410
TEL: (505) 333-1880
FAX

RE: Section 25 Drying Pad OrderNo.: 1606016

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/1/2016 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued June 13, 2016.

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. 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. All samples are reported as received unless otherwise indicated.

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1606016**
Date Reported: **7/27/2016**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: WPX Energy
Client Sample ID: SC-1
Project: Section 25 Drying Pad
Collection Date: 5/27/2016 11:00:00 AM
Lab ID: 1606016-001
Matrix: SOIL
Received Date: 6/1/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH						Analyst: **TOM**	
Petroleum Hydrocarbons, TR	42	20		mg/Kg	1	6/7/2016	25687
EPA METHOD 300.0: ANIONS						Analyst: **LGT**	
Chloride	31	1.5		mg/Kg	1	6/6/2016 12:48:30 PM	25694
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	20	9.4		mg/Kg	1	6/8/2016 3:03:40 PM	25629
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/8/2016 3:03:40 PM	25629
Surr: DNOP	97.6	70-130		%Rec	1	6/8/2016 3:03:40 PM	25629
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/3/2016 2:18:14 AM	25622
Surr: BFB	99.4	80-120		%Rec	1	6/3/2016 2:18:14 AM	25622
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	6/3/2016 2:18:14 AM	25622
Toluene	ND	0.048		mg/Kg	1	6/3/2016 2:18:14 AM	25622
Ethylbenzene	ND	0.048		mg/Kg	1	6/3/2016 2:18:14 AM	25622
Xylenes, Total	ND	0.097		mg/Kg	1	6/3/2016 2:18:14 AM	25622
Surr: 4-Bromofluorobenzene	99.3	80-120		%Rec	1	6/3/2016 2:18:14 AM	25622

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606016**

27-Jul-16

Client: WPX Energy

Project: Section 25 Drying Pad

Sample ID	MB-25694	SampType:	MBLK		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS	Batch ID:	25694		RunNo:	34726				
Prep Date:	6/6/2016	Analysis Date:	6/6/2016		SeqNo:	1071318	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25694	SampType:	LCS		TestCode:	EPA Method 300.0: Anions				
Client ID:	LCSS	Batch ID:	25694		RunNo:	34726				
Prep Date:	6/6/2016	Analysis Date:	6/6/2016		SeqNo:	1071319	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.2	90	110			

Sample ID	1606016-001AMS	SampType:	MS		TestCode:	EPA Method 300.0: Anions				
Client ID:	SC-1	Batch ID:	25694		RunNo:	34726				
Prep Date:	6/6/2016	Analysis Date:	6/6/2016		SeqNo:	1071325	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	49	1.5	15.00	30.92	120	70.8	119			S

Sample ID	1606016-001AMSD	SampType:	MSD		TestCode:	EPA Method 300.0: Anions				
Client ID:	SC-1	Batch ID:	25694		RunNo:	34726				
Prep Date:	6/6/2016	Analysis Date:	6/6/2016		SeqNo:	1071326	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	49	1.5	15.00	30.92	123	70.8	119	0.920	20	S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606016**

27-Jul-16

Client: WPX Energy

Project: Section 25 Drying Pad

Sample ID **MB-25687**	SampType: **MBLK**	TestCode: **EPA Method 418.1: TPH**							
Client ID: **PBS**	Batch ID: **25687**	RunNo: **34729**							
Prep Date: **6/6/2016**	Analysis Date: **6/7/2016**	SeqNo: **1071412**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID **LCS-25687**	SampType: **LCS**	TestCode: **EPA Method 418.1: TPH**							
Client ID: **LCSS**	Batch ID: **25687**	RunNo: **34729**							
Prep Date: **6/6/2016**	Analysis Date: **6/7/2016**	SeqNo: **1071413**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	99.7	83.4	127			

Sample ID **LCSD-25687**	SampType: **LCSD**	TestCode: **EPA Method 418.1: TPH**							
Client ID: **LCSS02**	Batch ID: **25687**	RunNo: **34729**							
Prep Date: **6/6/2016**	Analysis Date: **6/7/2016**	SeqNo: **1071414**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	98	20	100.0	0	98.4	83.4	127	1.36	20	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606016**

27-Jul-16

Client: WPX Energy

Project: Section 25 Drying Pad

Sample ID	MB-25629	SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS	Batch ID:	25629		RunNo:	34675				
Prep Date:	6/2/2016	Analysis Date:	6/3/2016		SeqNo:	1069818	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.3	70	130			

Sample ID	LCS-25629	SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS	Batch ID:	25629		RunNo:	34675				
Prep Date:	6/2/2016	Analysis Date:	6/3/2016		SeqNo:	1069819	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	62.6	124			
Surr: DNOP	4.3		5.000		85.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606016**

27-Jul-16

Client: WPX Energy

Project: Section 25 Drying Pad

Sample ID **MB-25622**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **25622**	RunNo: **34635**
Prep Date: **6/1/2016**	Analysis Date: **6/2/2016**	SeqNo: **1068922** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	80	120			

Sample ID **LCS-25622**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **25622**	RunNo: **34635**
Prep Date: **6/1/2016**	Analysis Date: **6/2/2016**	SeqNo: **1068923** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	80	120			
Surr: BFB	1600		1000		161	80	120			S

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1606016**

27-Jul-16

Client: WPX Energy

Project: Section 25 Drying Pad

Sample ID	MB-25622	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles				
Client ID:	PBS	Batch ID:	25622	RunNo:	34635				
Prep Date:	6/1/2016	Analysis Date:	6/2/2016	SeqNo:	1068955	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		105	80	120			

Sample ID	LCS-25622	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles				
Client ID:	LCSS	Batch ID:	25622	RunNo:	34635				
Prep Date:	6/1/2016	Analysis Date:	6/2/2016	SeqNo:	1068984	Units:	mg/Kg		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.1	75.3	123			
Toluene	0.97	0.050	1.000	0	97.4	80	124			
Ethylbenzene	1.0	0.050	1.000	0	99.8	82.8	121			
Xylenes, Total	3.0	0.10	3.000	0	99.3	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	80	120			

Qualifiers:

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D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
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HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: WPX ENERGY Work Order Number: 1606016 RcptNo: 1

Received by/date: 06/01/16

Logged By: Ashley Gallegos 6/1/2016 7:15:00 AM

Completed By: Ashley Gallegos 6/1/2016 10:24:24 AM

Reviewed By: 06/01/16

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: WPX Energy	Turn-Around Time: X Standard ☐ Rush
	Project Name: Section 25 Drying Pad
Mailing Address: PO Box 640 Aztec, NM 87410	Project #:
Phone #: 505-386-9693	
Email or Fax#: deborah.watson@wpxenergy.com	Project Manager: D. Watson
QA/QC Package: X Standard ☐ Level 4 (Full Validation)	
Accreditation: X NELAP ☐ Other	Sampler: R. Bradshaw
☐ EDD (Type)	On Ice: X Yes ☐ No
	Sample Temperature: 1.0

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1606001C0	BTEX (8021)	TPH-GRO/DRO only (8015)	TPH (418.1)	Chlorides (300.0)	Air Bubbles (Y or N)
5.27.16	11:00	soil	SC-1	2- 4 oz glass	cold	-001	X	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date Time	Remarks:
5/31/16	1543	Deborah Watson	Chet Walter	5/31/16 1543	
5/31/16	2015	Chet Walter		06/01/16 0715	

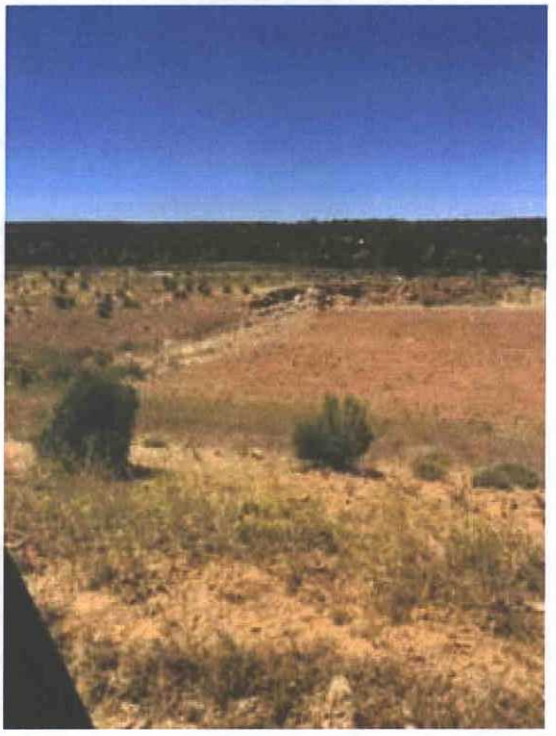
If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical re

Photograph Log
Section 25 Burial Trench #1 and Drying Pad
WPX Energy Production, LLC

WPX Energy	
Photograph 1	
Site Name: Section 25 Burial Trench and Drying Pad	
Location: N36.873630, W107.419056 D-25-31N-06W Rio Arriba County, New Mexico	
Photo Taken by: Glenn Shelby	Description: Steel marker set marking location of buried cuttings trench.

WPX Energy	
Photograph 2	
Site Name: Section 25 Burial Trench and Drying Pad	
Location: N36.873630, W107.419056 D-25-31N-06W Rio Arriba County, New Mexico	
Photo Taken by: Glenn Shelby	Description: Looking at burial trench with steel marker.

Photograph Log
Section 25 Burial Trench #1 and Drying Pad
WPX Energy Production, LLC

WPX Energy	
Photograph 3	
Site Name: Section 25 Burial Trench and Drying Pad	
Location: N36.873630, W107.419056 D-25-31N-06W Rio Arriba County, New Mexico	
Photo Taken by: Darrell Bays	Description: WSW, looking at covered burial trench.