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

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office. For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Belo	w-Grade Tank, or
3695 Proposed Alternative Metho	d Permit or Closure Plan Application one ply plet a
39-31107 Type of action: Below grade tank registrat Permit of a pit or proposed Closure of a pit, below-grade Modification to an existing Closure plan only submitted or proposed alternative method	tion d alternative method ade tank, or proposed alternative method g permit/or registration ed for an existing permitted or non-permitted pit, below-grade tank,
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 o environment. Nor does approval relieve the operator of its responsibility to c	f liability should operations result in pollution of surface water, ground water or the omply with any other applicable governmental authority's rules, regulations or ordinances.
1. Operator: W/DV Energy Production LLC	OCPUD #: 120782
Address: PO Box 640/721 S Main Actes NM 87410	OKID # <u>120782</u>
Facility or well name: Schalk 32 #4H	
API Number: 30-039-31107	OCD Permit Number:
U/L or Otr/Otr N Section 32 Township 31	N Range 04W County: Rio Arriba
Center of Proposed Design: Latitude N36.85053	Longitude W107.28020 NAD: 1983
Surface Owner: X Federal C State Private Tribal Trust or India	an Allotment
 △ Lined □ Unlined Liner type: Thickness20mil △ L △ String-Reinforced Liner Seams: ○ Welded ○ Factory □ Other 	LDPE HDPE PVC Other Volume: <u>20,000</u> bbl Dimensions: L <u>140'</u> x W <u>70'</u> x D <u>12'</u>
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, Visible sidewalls and liner Visible sidewalls only Other Liner type: Thickness mil HDPE PVC	
 4. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted of an exception prequest is required. Exceptions must be submitted of an exception D of 19.15.17.11 NMAC (Applies to permanent p Chain link, six feet in height, two strands of barbed wire at top (Requires institution or church) Four foot height, four strands of barbed wire evenly spaced between 	nitted to the Santa Fe Environmental Bureau office for consideration of approval. wits, temporary pits, and below-grade tanks) uired if located within 1000 feet of a permanent residence, school, hospital, one and four feet
Alternate. Please specify As per BLM specifications	

Oil Conservation Division

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 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. 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. Yes X No NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells NA NA Yes X No Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NA NA NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance Yes No 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 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Yes No Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division Within an unstable area. (Does not apply to below grade tanks) Yes No 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 **Below Grade Tanks** Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured Yes No 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 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

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes No
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.

 Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🛛 No
Temporary Pit Non-low chloride drilling fluid	
 Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No
 Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
Permanent Pit or Multi-Well Fluid Management Pit	
 Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	Yes 🗌 No
 Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
 Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No
 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
10. Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached.</i> □ 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 19.15.17.10 NMAC ⊠ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC ⊠ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC ⊠ Paragraph Appropriate (attach accur of design) ABL Number 20.020.21107	MAC cuments are NMAC 15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: <u>30-039-31107</u> 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 doc attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.10 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	cuments are
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

^{12.} <u>Permanent Pits Permit Application Checklist</u> : Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the</i>	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		
Critified 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 Ouality Control/Ouality Assurance Construction and Installation Plan 		
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC 		
 Nuisance or Hazardous Odors, including H₂S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization 		
Monitoring and Inspection Plan Erosion Control Plan		
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC		
13. <u>Proposed Closure</u> : 19.15.17.13 NMAC Instructions: Please complete the applicable bases Bases 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)		
 ☑ In-place Burial □ On-site Trench Burial □ Alternative Closure Method 		
 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 (according on site alcours methods only), 10.15.17.10 ND/AC		
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. In 19.15.17.10 NMAC for guidance.	rce material are Please refer to	
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		
 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		
Form C-144 Oil Conservation Division Page 4 o	f6	

 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 	
Within a 100-year floodplain.	
- FEMA map	
 16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plate 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 19.15.17.13 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC 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 Soil Cover Design - 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 	an. Please indicate,
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 believed and be	ef.
Name (Print): Title:	<u> </u>
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: OCD Permit Number: Approval Date: OCD Title: OCD Permit Number: OCD Permit Number: OCD Permit Number:	05/2016
19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date: October 23, 2015	the closure report. complete this
20. Closure Method: □ Waste Excavation and Removal	
I different from approved plan, please explain.	op systems only)

Oil Conservation Division

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: Nebruh Wath	Date: February 2, 2016
e-mail address:deborah.watson@wpxenergy.com	Telephone: <u>505-333-1880/505-386-9693</u>

WPX Energy Production, LLC

San Juan Basin: New Mexico Assets Temporary Pit In-place Closure Report Drilling/Completion and Workover (Groundwater >100 feet below bottom of pit liner)

Well:	Schalk 32 #4H
API No:	30-039-31107
Location:	N-S32-T31N-R04W, NMPM

In accordance with Rule 19.15.17.13 NMAC, the following plan describes the general in-place closure requirements of temporary pits on WPX Energy Production, LLC (WPX) locations in the San Juan Basin of New Mexico. This is WPX's standard procedure for all temporary pits to be utilized for the drilling, completion and/or workovers of oil and gas wells operated by WPX. For those temporary pits 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
- Plot Plan (Pit Diagram)
- Division Form C-105: WELL COMPLETION OR RECOMPLETION REPORT AND LOG
- Notification Documentation
- Inspection Log
- Sampling Results
- Copy of Deed Notice filed with the County Clerk (format to meet County requirements) <u>A deed notice is not required on state, federal or tribal land according to NMOCD FAQ dated October 30, 2008 and posted on the</u> <u>NMOCD website.</u>

General Plan Requirements:

 All free standing liquids will be removed from the pit at the start of the closure process. Liquids will be removed in a manner that the appropriate District Office approves including; recycled, reused, reclaimed, evaporated, and/or disposed of in a Division-approved facility. Once all free liquids are removed, the sludge will be stabilized by one of the following methods depending on equipment availability: blending with clean stockpiled soils or dewatering using a Bowl Decanter Centrifuge then blending with clean stockpiles soils.

To the extent practical, free liquids were pulled from the reserve pit following the completion rigoff. Haul date was September 10 and 26, 2015 to 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 May 8, 2012.

 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.

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

Drill rig-off (July 4, 2015). Completion Rig-off (July 16, 2015) Pit covered (October 27, 2015). 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 completed at the site on October 30, 2015.

- 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. The notifications are attached.

5. The pit liner shall be removed above "mud level" after stabilization. Removal of the liner will consist of manually or mechanically cutting the liner at the mud level and removing all remaining liner. Care will be taken to remove "all" of the liner (I.e. anchored material). All excessive liner will be disposed of at a licensed disposal facility.

The liner to the temporary pit was removed above the "mud level" once stabilized. Removal of the liner consisted of manually cutting the liner and removing all remaining liner material above the "mud level" including the anchor material. All excessive liner was disposed of at the Bondad Landfill operated by WCA.

6. 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 liquids, 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 October 26, 2015.

 A five-point composite sample will be taken of the pit using sampling tools and all samples tested per 19.15.17.13(B)(1)(b) NMAC. In the event that the criteria are not met (See Table 1), all contents will be handled per 19.15.17.13(B)(1)(a) (i.e. dig and haul to a Divisionapproved facility). Approval to haul will be requested of the Aztec District office prior to initiation.

A five-point composite sampling was taken of the pit area using sampling tools and the sample was tested per 19.15.17.13(B)(1)(b) NMAC. The composite sample was collected on October 26, 2015. Results are presented in Table 1 and lab report is attached.

Components	Testing Methods	Limits (mg/kg)	10/26/15 Pit (mg/kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2	0.17
BTEX	EPA SW-846 Method 8021B or 8260B	50	1.42
TPH	EPA SW-846 Method 8015M (Full Range)	2500	286
GRO/DRO	EPA SW-846 Method 8015M (GRO/DRO)	500	210
Chlorides	EPA SW-846 Method 300.1	500	330

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

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 four 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 four feet of cover to the extent practical was achieved and the cover included just over a foot of topsoil suitable to establish vegetation.

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 reestablished drainage and contours to approximately match previous topography meeting the Conditions of Approval in the APD and the direction offered by a BLM/USFS inspector. Cover and re-contouring were completed on October 30, 2015.

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.

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.

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 S32-T31N-R04W-N, "Pit Burial" (photo attached). Steel marker set (November 3, 2015).

Submit To Appropr Two Copies <u>District I</u> 1625 N. French Dr., <u>District II</u> 811 S. Firet St. Arte	iate District Of Hobbs, NM 8	fice 8240	State of New Mexico Energy, Minerals and Natural Resources				Form C-10: Revised August 1, 201 1. WELL API NO. 30-039-31107				orm C-105 ugust 1, 2011			
District III 1000 Rio Brazos Ro District IV 1220 S. St. Francis J	L, Aztec, NM 8	37410	Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505			2. Type of Lease STATE FEE State Oil & Gas Lease No				DIAN				
MELL C		TION OP	PECOMPI	ETION PE	DOPT		100	-				1000		
4. Reason for fili		TION OR I	LCONFI		FURT		LOG	-	5. Lease Name	e or U	nit Agree	ment N	ame	
COMPLETI	ON REPOR	T (Fill in boxes CHMENT (Fil	xes #1 through #31 for State and Fee wells (Fill in boxes #1 through #9, #15 Date Rig				and #32 and	/or	Schalk 32 6. Well Numb 4H	er:				
7. Type of Comp NEW V	letion: VELL UW	ORKOVER	DEEPENING		K 🗌 DIFI	FEREI	NT RESERV	/OIF	COTHER_		1.5	25		
8. Name of Opera	tor Justian LLC								9. OGRID					
10. Address of Op	erator	1.1.2					-	-	11. Pool name	or Wi	ildcat	18	-	
PO Box 640/721 5	South Main,	Aztec, New Mex	tico 87410											
12.Location	Unit Ltr	Section	Township	Range	Lot	X	Feet from t	he	N/S Line	Feet	from the	E/W	Line	County
BH:	-					-	Arrest	-						
13. Date Spudded	14. Date 7	T.D. Reached	15. Date Ri 7/4/15	g Released		16.	Date Compl	leted	(Ready to Prod	uce)	17 R	7. Eleva T, GR, 6	tions (DI etc.)	and RKB,
18. Total Measure	d Depth of V	Vell	19. Plug Ba	ck Measured De	pth	20.	Was Direct	iona	l Survey Made?		21. Typ	e Electr	ic and O	ther Logs Run
22. Producing Inte	erval(s), of th	is completion - 7	Гор, Bottom, N	ame		<u> </u>	-			_		-		
		the state	CAS	INC DEC		Dam	ant all at		an not in sur	11)	-		-	
23. CASING SIZ	F	WEIGHT I B /	CAS FT	DEPTH SET	URD ()	Repo HO	OFT ALL SU	nnį	S SEL IN WE	GRE(CORD	Al	MOUNT	PULLED
CADING DI		TEIGHT ED.		DEITITOEI		110	DE GIELE		CLAME	o rest	CORD		100111	1 O D D D D D
	200	C. Strain				1								
		S. S. Star . 4											10	
1.		-				_							-	
24			LIN	FR RECORD		_	1	25	Т	URD	JGREC	ORD	-	
SIZE	TOP	BOT	TTOM	SACKS CEM	IENT SC	REEN	1	SIZ	ZE	DE	EPTH SET	ſ	PACK	ER SET
	10.1							-				anan		7
26. Perforation	record (interv	al, size, and nur	nber)		27. DE	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.								
						IIII IIIII	-							
	Section	1												
28.					PROD	UC	ΓΙΟΝ	2			10			
Date First Product	tion	Product	ion Method (Fl	owing, gas lift, p	numping - S	ize an	d type pump))	Well Status	(Proa	l. or Shut-	in)		
Date of Test	Hours Tes	sted Cho	oke Size	Prod'n For Test Period	Oil	- Bbl	1	Gas	s - MCF	Wa	ater - Bbl.		Gas - G	Dil Ratio
Flow Tubing	Casing Pr	essure Cal	culated 24-	Oil - Bbl.		Gas	- MCF	1	Water - Bbl.	_	Oil Gra	vity - A	PI - (Cor	r.)
Press.		Hou	ır Rate											
29. Disposition of	Disposition of Gas (Sold, used for fuel, vented, etc.) 30. Test Witnessed By													
31. List Attachme	nts		4	3.112							-60			
32. If a temporary	pit was used	at the well, atta	ch a plat with th	ne location of the	e temporary	pit.		-						
33. If an on-site b	urial was use	d at the well, rep	ort the exact lo	cation of the on-	site burial:				Longitude With	7.20	20		AD 10	22
I hereby certif	that the i	nformation s	hown on bot	h sides of this	s form is 1	true d	and compl	ete	to the best of	f mv	knowled	lge an	d belier	f
Signature	ebruh	Wats	rm	Printed Name Debo	rah Watso	on	Title	E	nvironmental	Spe	cialist	Date	e: 2/2/1	6
E-mail Addres	s deborah.	watson@wp	kenergy.com	1						2		5.1.1.4	17.51	

District I 1625 N. French Drive, Hobbs, NM 88240 Phone: (575) 393-6151 Fax: (575) 393-0720

District II 811 S. First Street, Artesla, NM 88210 Phone: (575) 748-1283 Fac (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, NN 87505 Phone: (505) 475-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Pool Name 71629 BASIN FRUITLAND COAL Property Code. Property Name Wall Number SCHALK 32 2B OGRID No. Elevation Operator Name WILLIAMS PRODUCTION COMPANY 120782 6938 ¹⁰ Surface Location UL or lot no. Section Fest from the North/South line Toamsh M Lot Ion Feet from the East/Mest lune RIO 32 N 31N 4W 635 SOUTH 2000 WEST ARRIBA 11 Bottom Hole Location If Different From Surface UL or lot no Section Lot Ion Feet from the North/South line Fant from the East Annat Jarm RIO I 32 31N 4W 2066 SOUTH EAST 50 ARRIBA Joint or Infill Deducated Acre M Consolidation Code Order No. 320.0 Acres - (S/2) ND ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION " OPERATOR CERTIFICATION 16 5278.02 " UPEHATUM CENTIFICATION I hereby cartify 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 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. 8 2640. Date Signature END OF LATERAL LAT: 36.85458 'N LONG: 107.26883 'W SURFACE LOCATION POINT OF ENTRY LAT: 36.85110 W LONG: 107.27859 W DATUM: NAD1927 LAT: 36.85065 "N LONG: 107.27984 "W DATUM: NAD1927 Printed Name DATUM: NAD1927 LAT: 35.85056 "N LONG: 107.28044 "W DATUM: NAD1983 E-mail Address LAT: 35.85111 "N LONG: 107.27919 "W DATUM: NAD1983 LAT: 36.85459 W LONG: 107.26943 W DATUM: NAD1983 SURVEYOR CERTIFICATION SURVETUR CENTIFICATION shown on this plat was plotted from field notes of actual surveys made by me or under my supprvision, and that the same is true and correct to the best of my ballief. 8 5280. Date Revised: DECEMBER 5, 2011 Survey Date: SEPTEMBER 23, 2011 50' Signature and Seal of Professional Surveyor N65°43.6E 31256' SON C. EDWARDS MEXICO NEW 8 2640. REALENDER S. BENGH 15269 2066' N65*43.6E 400.0 2363 AOFESSION 2000' 190 632 DWARDS ASON Certificate Number 15269

DE AD DO

DEND DO

Schalk 32 #2B

Page 6 of 20



From:	Watson, Debbie
To:	"Smith, Cory, EMNRD"; "jjmiller@fs.fed.us"
Subject:	Pit Closure Schalk 32 #4H Notification
Date:	Friday, October 16, 2015 5:11:00 AM

This email serves as notification of pit closure activities at the Schalk 32 #4H. WPX has rescheduled closure activities for the Schalk 32-4H temporary pit to begin early next week (Tuesday October 20, 2015). Notification will be sent if there is a delay in closure activities.

Operator: WPX Energy Well Name: Schalk 32 #4H API #:30-039-31107 Unit Letter N, Section 32, Township 31N, Range 4W Rio Arriba County GPS: 36.85053, -107.28020

Please contact me with any questions.

Have a great day,

Debbie

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



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

From:	postmaster@usda.gov
To:	jimiller@fs.fed.us
Subject:	Delivered: Pit Closure Schalk 32 #4H Notification
Date:	Friday, October 16, 2015 5:12:00 AM
Attachments:	Pit Closure Schalk 32 #4H Notification.msg

Your message has been delivered to the following recipients: HYPERLINK "mailto:jjmiller@fs.fed.us"jjmiller@fs.fed.us (jjmiller@fs.fed.us) Subject: Pit Closure Schalk 32 #4H Notification

From:	Microsoft Outlook
To:	Smith, Cory, EMNRD
Subject:	Relayed: Pit Closure Schalk 32 #4H Notification
Date:	Friday, October 16, 2015 5:11:49 AM
Attachments:	Pit Closure Schalk 32 #4H Notification.msg

Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server: HYPERLINK "mailto:Cory.Smith@state.nm.us"Smith, Cory, EMNRD (Cory.Smith@state.nm.us) Subject: Pit Closure Schalk 32 #4H Notification

WPXE	NERGY.			WPX En San Juan	ergy Prod Basin Ope	uction trations	
Well Name:	Schalk 32 #4H			API	30-039-311	07	
Pit Type:	Drilling 🗸	Workover	Cavitation		Inspection:	Weekly	
Date	Inspector Name	Liner	Properly fenced	Slopes	Adequate	free oil or sheen present	Comments
8/4/2015	D. Bays	Y N	YJ N	YŪN	Y Z N	YONI	
8/11/2015	D. Bays	Y N	YZ N	YIJN□	Y Z N 🗆	Y N I	
8/21/2015	D. Bays	Y N	Y N	Y I N I	YUND	Y N I	
8/28/2015	D. Bays	Y N	Y N	YVN	Y ⊻ N □	Y N I	
9/4/2015	D. Bays	Y N	Y N	Y 🗹 N 🗌	Y ⊻ N □	Y □ N ☑	
9/11/2015	D. Watson	Y N	Y N	Y I N I	Y 🗹 N 🗆	Y□ N	
9/17/2015	D.Bays	YZ N 🗆	Y N	Y 🛛 N 🗆	Y I N I	Y N I	
9/22/2015	D.Bays	Y N	Y N	Y ⊻ N □	Y Z N	Y□ N ☑	
10/1/2015	D. Watson	YV N	Y N	YIJN	Y I N	Y ∕ N □	
10/12/2015	D. Watson	y⊠ N□	y☑ N□	y ☑ _N □	Y ☑ N □	y ☑ N □	Unauthorized bags of sugar on location. Construction called to remove.



October 29, 2015 Debbie Watson WPX Energy 721 S Main Ave Aztec, NM 87410 TEL: (505) 333-1880 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: <u>www.hallenvironmental.com</u>

RE: Schalk 32 4H Reserve Pit

OrderNo.: 1510C19

Dear Debbie Watson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/27/2015 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1510C19 Date Reported: 10/29/2015

CLIENT:	WPX Energy	(Client Sample ID: SC-1	
Project:	Schalk 32 4H Reserve Pit		Collection Date: 10/26/2015 3:10:00 PM	
Lab ID:	1510C19-001	Matrix: MEOH (SOIL)	Received Date: 10/27/2015 7:30:00 AM	

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LGT
Chloride	330	30	mg/Kg	20	10/27/2015 10:51:48 AM	1 22042
EPA METHOD 8015M/D: DIESEL RAM	IGE ORGANIC	S			Analyst:	KJH
Diesel Range Organics (DRO)	200	9.6	mg/Kg	1	10/27/2015 12:03:08 PM	1 22039
Motor Oil Range Organics (MRO)	76	48	mg/Kg	1	10/27/2015 12:03:08 PM	1 22039
Surr: DNOP	80.2	70-130	%REC	1	10/27/2015 12:03:08 PM	1 22039
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	10	3.6	mg/Kg	1	10/27/2015 8:48:40 AM	R29812
Surr: BFB	99.1	75.4-113	%REC	1	10/27/2015 8:48:40 AM	R29812
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	0.17	0.036	mg/Kg	1	10/27/2015 8:48:40 AM	A29812
Toluene	0.53	0.036	mg/Kg	1	10/27/2015 8:48:40 AM	A29812
Ethylbenzene	0.053	0.036	mg/Kg	1	10/27/2015 8:48:40 AM	A29812
Xylenes, Total	0.67	0.072	mg/Kg	1	10/27/2015 8:48:40 AM	A29812
Surr: 4-Bromofluorobenzene	111	80-120	%REC	1	10/27/2015 8:48:40 AM	A29812

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

Qualifiers: * Value

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510C19 29-Oct-15

Client: WPX Energy Project: Schalk 32 4H Reserve Pit

Sample ID MB-22042	SampType: MBLK	TestCode: EPA Method 300.0: Anions	
Client ID: PBS	Batch ID: 22042	RunNo: 29845	
Prep Date: 10/27/2015	Analysis Date: 10/27/2015	SeqNo: 909000 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPD	Limit Qual
Chloride	ND 1.5		1 and
Sample ID I CS 22042	Comp Tunor LCC	T IO I FRANK I LONG O L	
Sample ID LC3-22042	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID: LCSS	Batch ID: 22042	RunNo: 29845	
Client ID: LCSS Prep Date: 10/27/2015	Batch ID: 22042 Analysis Date: 10/27/2015	RunNo: 29845 SeqNo: 909001 Units: mg/Kg	
Client ID: LCSS Prep Date: 10/27/2015 Analyte	Batch ID: 22042 Analysis Date: 10/27/2015 Result PQL SPK value	RunNo: 29845 SeqNo: 909001 Units: mg/Kg SPK Ref Val %REC LowLimit HighLimit %RPD RPD	Limit Qual

Qualifiers:

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

WPX Energy

Client:

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510C19

29-Oct-15

Project: Schalk 3	2 4H Reserve P	it							1
Sample ID MB-22039	SampType:	MBLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch ID:	22039	F	RunNo: 2	9807				
Prep Date: 10/27/2015	Analysis Date:	10/27/2015	5	SeqNo: 9	08123	Units: mg/k	٢g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10					2.77		10.000
Notor Oil Range Organics (MRO)	ND	50							
Surr: DNOP	8.1	10.00	a second	80.5	70	130	A.S. M	This	-
Sample ID LCS-22039	SampType:	LCS	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch ID:	22039	F	RunNo: 2	9807				
Pren Date: 10/27/2015	Analysis Date:	10/27/2015	9	SeaNo: 9	08124	Units: ma/k	(a		
Ticp Date. Torzinzero	r maryono Dato.	10/21/2010		soque. e		onno. mgr	.9		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range Organics (DRO)	48	10 50.00	0	96.0	57.4	139			
Surr: DNOP	3.9	5.000	A Carlot	78.9	70	130	h had	(List suppli	
Sample ID 1510C19-001AMS	SampType:	MS	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	1
Client ID: SC-1	Batch ID:	22039	F	RunNo: 2	9807				
Prep Date: 10/27/2015	Analysis Date:	10/27/2015	S	SeqNo: 9	08300	Units: mg/k	(g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
liesel Range Organics (DRO)	240 9	.5 47.57	204.1	68.1	42.3	146	1.1.2	510	
Surr: DNOP	4.4	4.757	and the	91.5	70	130		18.2	14
Sample ID 1510C19-001AMS	D SampType:	MSD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	1.1.2
Client ID: SC-1	Batch ID:	22039	F	RunNo: 2	9807				
Prep Date: 10/27/2015	Analysis Date:	10/27/2015	5	SeqNo: 9	08301	Units: mg/h	(g		
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	350 9	48.17	204.1	295	42.3	146	37.7	28.9	RS
Surr: DNOP	4.4	4.817		90.7	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510C19 29-Oct-15

Client: WPX En Project: Schalk 32	ergy 2 4H Rese	rve Pit					-			
Sample ID 1510C19-001AMS	SampT	Type: M	S	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	le	
Client ID: SC-1	Batcl	h ID: R2	29812	F	RunNo: 2	9812				
Prep Date:	Analysis D	Date: 1	0/27/2015	5	SeqNo: 9	08219	Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	3.6	18.05	10.01	115	62.5	151	- 19 B		
Surr: BFB	780		722.0		108	75.4	113	1.	llan - C	
Sample ID 1510C19-001AMS	D Samp1	Type: MS	SD	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: SC-1	Batcl	h ID: R2	29812	F	RunNo: 2	9812				
Prep Date:	Analysis E	Date: 1	0/27/2015	S	SeqNo: 9	08220	Units: mg/P	Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	3.6	18.05	10.01	93.7	62.5	151	13.1	22.1	
Surr: BFB	760		722.0		105	75.4	113	0	0	
Sample ID 5ML RB	SampT	ype: MI	BLK	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	le	1
Client ID: PBS	Batch	h ID: R2	29812	F	RunNo: 2	9812				
Prep Date:	Analysis D	Date: 1	0/27/2015	5	SeqNo: 9	08636	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 890	5.0	1000		89.0	75.4	113			
Sample ID 2.5UG GRO LCS	SampT	Type: LC	s	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batch	h ID: R2	9812	F	RunNo: 2	9812				
Prep Date:	Analysis D	Date: 1	0/27/2015	5	SeqNo: 9	08637	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	79.6	122			A STREET
Surr: BFB	960		1000		96.3	75.4	113			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

WO#: 1510C19 29-Oct-15

Qual

Qual

RPDLimit

RPDLimit

20

20 20

20

0

Client:WPX EndProject:Schalk 32	ergy 2 4H Rese	rve Pit	2.1					
Sample ID 1510C19-001AMS	Samp	Гуре: М	S	Tes	tCode: E	PA Method	8021B: Vola	tiles
Client ID: SC-1	Batc	h ID: A2	9812	F	RunNo: 2	9812		
Prep Date:	Analysis [Date: 1	0/27/2015	S	SeqNo: 9	08222	Units: mg/h	٢g
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD
Benzene	1.1	0.036	0.7220	0.1699	123	69.6	136	199
Toluene	1.4	0.036	0.7220	0.5340	115	76.2	134	
Ethylbenzene	0.79	0.036	0.7220	0.05287	102	75.8	137	
Xylenes, Total	2.9	0.072	2.166	0.6690	104	78.9	133	
Surr: 4-Bromofluorobenzene	0.82		0.7220	1.1.1.1	113	80	120	in the
Sample ID 1510C19-001AMS	D Samp	Гуре: М	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles
Client ID: SC-1	Batc	h ID: A2	9812	F	RunNo: 2	9812		
Prep Date:	Analysis [Date: 10	0/27/2015	S	SeqNo: 9	08223	Units: mg/h	٢g
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD
Benzene	1.1	0.036	0.7220	0.1699	124	69.6	136	0.838
Toluene	1.4	0.036	0.7220	0.5340	117	76.2	134	1.33
Ethylbenzene	0.80	0.036	0.7220	0.05287	103	75.8	137	1.40
Xylenes, Total	2.9	0.072	2.166	0.6690	104	78.9	133	0.125
Surr: 4-Bromofluorobenzene	0.82		0.7220		113	80	120	0

Sample ID 5ML RB	Samp	Гуре: МЕ	BLK	Tes	tCode: E					
Client ID: PBS	Batc	h ID: A2	9812	F	RunNo: 29812					
Prep Date:	Analysis E	Date: 10	0/27/2015	5	SeqNo: 9	08650	Units: mg/h	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
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 100NG BTEX LO	CS Samp	Type: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: A2	9812	F	RunNo: 29812					
Prep Date:	Analysis [Date: 10	0/27/2015	S	SeqNo: 9	08651	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.050	1.000	0	117	80	120			
Toluene	1.1	0.050	1.000	0	107	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Qualifiers:

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

Page 5 of 5

Client Name: WPX ENERGY Work Order Nun Received by/date: A 10 27/15 Logged By: Lindsay Mangin 10/27/2015 7:30:0 Completed By: Lindsay Mangin 10/27/2015 8:09:2 Reviewed By: 10 27/15 Chain of Custody 1, Custody seals intact on sample bottles?	nber. 1510C19 00 AM 24 AM	J-SHAD	RopiNo: 1	
Received by/date: A 10/27/2015 Logged By: Lindsay Mangin 10/27/2015 7:30:0 Completed By: Lindsay Mangin 10/27/2015 8:09:2 Reviewed By: 10/27/15 Chain of Custody 1, Custody seals intact on sample bottles?	00 AM 24 AM	J-ymp		
Logged By: Lindsay Mangin 10/27/2015 7:30:0 Completed By: Lindsay Mangin 10/27/2015 8:09:2 Reviewed By: 10/27/15 Chain of Custody 1, Custody seals intact on sample bottles?	00 AM 24 AM	of yillo		
Completed By: Lindsay Mangin 10/27/2015 8:09:2 Reviewed By: 10/27/15 Chain of Custody 1, Custody seals intact on sample bottles?	24 AM	of yill go		1.2
Reviewed By. 10/27/15 <u>Chain of Custody</u> 1. Custody seals intact on sample bottles?				1.00
1. Custody seals intact on sample bottles?		0.0		
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 🗹	# of preserved	
12.5	Yes II	No 🗍	bottles checked	
12. Does paperwork match bollie labels? (Note discrepancies on chain of custody)	Yes IX.	NO LI	(<2 or	>12 unless noted
3. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
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 🗆	Checked by:	
pecial Handling (if applicable)				
16. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified: Dat	ite			
By Whom: Via	a: 📋 eMail 📋	Phone 🗌 Fax	In Person	
Regarding:			2	
Client Instructions:				
17. Additional remarks:				
18. Cooler Information Cooler No Temp *C Condition Seal Intact Seal No	Seal Date	Signed By		
1 1.3 Good Yes				

Ch ilient:	WPX Ener	f -Custo rgy	ody Record	Turn-Around T	īme: X Rush	same day				HALL	. EN .YS	IVIR IS L		IENT/ RATO al.com	RY
Talling Addre	255.		PO Box 640	Schalk 32 4H	Reserve Pit			49	01 H	awkins	NE -	- Albu	querque	e, NM 87	109
		Aztec	c. NM 87410	Project #:				Te	el. 50	5-345-3	3975	Fa	x 505-3	345-410	7
hone #:	505-386-9	693					line.			A	nalys	is Req	uest		
mail or Faxt	#:	deborah.	watson@wpxenergy.com	Project Manag	jer:		1							a There is	
A/QC Packag	ge:		Level 4 (Full Validation)	D. Watson				WKO							
ccreditation	1	2.5 20	1999 (1997) (1997) (1997) (1997)	Sampler:	G. Shelby			5 av							
I NELAP		D Other_		On Ice:	Ø Yes	D No		301							
I EDD (Type	e)		the second second	Sample Temp	erature: /. 3			6							N
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX (8021)	TPH (GRO/DR	Chlorides						Air Bubbles (Y o
10/26/2015	1510	soil	SC-1	4 oz	cold	-001	x	x	x		10 -				
1.512.0															
			and the second								113-				
Inter	Time	Palissolat	where and the	Parelyad by:		Data Time									
<u>2-26-15</u> late:	17/0 Time:	Relinquishe	d by:	Regeived by:)atu	10/20/15 1710 Date Time	-	пагк	5.						
0/26/15	1732	. Lefe	ah Water	Christ	Walte	1/20/15- 1732)	-	-			al an			h

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

Photograph Log Schalk 32 #4H Reserve Pit Closure WPX Energy Production, LLC

WPX Energy	A DVENEDOVAL
Photograph 1	AND OCHARLOOD AULI
Site Name: Schalk 32 #4H Reserve Pit Closure	RIOARRIBACO.
API #: 30-039-31107	SEC.32 UNET MASS
Location: N36.85053, W107.28020 N-32-31N-04W Rio Arriba County, New Mexico	IN PLACE BURDAUS
Photo Taken by: Glenn Shelby	Description: Steel marker set marking location of buried reserve pit.

WPX Energy	
Photograph 2	Station And Andrew Andrew
Site Name: Schalk 32 #4H Reserve Pit Closure	
API #: 30-039-31107	
Location: N36.85053, W107.28020 N-32-31N-04W Rio Arriba County, New Mexico	
Photo Taken by: Glenn Shelby	Description: Facing WSW, looking at location of buried pit following stabilization, cover, contouring, and seeding per USFS.