District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., District III 1000 Rio Brazo District IV 1220 S. St. Fran

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State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505



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	Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
	sed-Loop System, Below-Grade The set of the	
Closure of Modification Closure of Modification Closure of Closure		or proposed alternative method
<i>Instructions: Please submit one applicatio</i> Please be advised that approval of this request does not r environment. Nor does approval relieve the operator of i		n pollution of surface water, ground water or the
t. Operator: <u>WPX Energy Production LLC</u> Address: PO Box 604 /721 S Main	OGRID #: Aztec, NM 87410	
Facility or well name: <u>Chaco 2206-16A</u>		
API Number: 30-043-21148		
U/L or Qtr/Qtr <u>A</u> Section <u>16</u>		
	2N Longitude107.465	
2. ∑ <u>Pit</u> : Subsection F or G of 19.15.17.11 NMAC Temporary: ∑ Drilling ∑ Workover ☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&	- A	RCVD AUG 15 '13 OIL CONS. DIV.
	$\frac{20}{20}  \text{mil}  X \text{ LLDPE}  HDPE  PVC  $	Other DIST. 3
String-Reinforced		
Liner Seams: 🛛 Welded 🖾 Factory 🗌 Other	Volume: <u>9,000</u> b	bl Dimensions: L_ <u>50'</u> x W_ <u>70'</u> x D_ <u>15'</u>
<ul> <li>3.</li> <li>Closed-loop System: Subsection H of 19.15.17</li> <li>Type of Operation: P&amp;A Drilling a new well intent)</li> <li>Drying Pad Above Ground Steel Tanks</li> <li>Lined Unlined Liner type: Thickness</li> <li>Liner Seams: Welded Factory Other</li></ul>	I 🗌 Workover or Drilling (Applies to activities whi ] Haul-off Bins 🗋 Other mil 🔲 LLDPE 🗌 HDPE 🔲 PVC 🗖	
4. Below-grade tank: Subsection 1 of 19.15.17.1	1 NMAC	
Volume:bbl Type of flui		
Tank Construction material:		

🗋 Secondary containment with leak detection 🗋 Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

\_mil 🔲 HDPE 🗌 PVC 🔲 Other \_

□ Visible sidewalls and liner □ Visible sidewalls only □ Other \_

Liner type: Thickness 5.

# Alternative Method:

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.



Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)

Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify <u>As per BLM specifications</u>

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)

#### Screen Netting Other\_

7.

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Monthly inspections (If netting or screening is not physically feasible)

#### 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

#### Administrative Approvals and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.

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

10. Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accelerate acceleration and the application of the approval from t	opriate district approval.
<ul> <li>Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.</li> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells</li> </ul>	🗌 Yes 🛛 No
<ul> <li>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).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	Yes 🛛 No
<ul> <li>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>(Applies to temporary, emergency, or cavitation pits and below-grade tanks)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	☐ Yes ⊠ No ☐ NA
<ul> <li>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (<i>Applies to permanent pits</i>)</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	$\square Yes \square No \\ \square NA$
<ul> <li>Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.</li> <li>NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site</li> </ul>	🔲 Yes 🛛 No
<ul> <li>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.</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	🗆 Yes 🛛 No
<ul> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	🗋 Yes 🛛 No
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division</li> </ul>	🗌 Yes 🛛 No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	🔲 Yes 🛛 No
Within a 100-year floodplain.	🗌 Yes 🛛 No

FEMA map

<ul> <li>Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC</li> <li>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.</li> <li>Mydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC</li> </ul>
<ul> <li>Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC</li> <li>Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC</li> <li>Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC</li> <li>Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC</li> <li>and 19.15.17.13 NMAC</li> </ul>
Previously Approved Design (attach copy of design) API Number: or Permit Number:
12.         Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC         Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.            Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9            Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC            Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC         Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC         Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC         and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number: (Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)
13.         Permanent Pits Permit Application Checklist:       Subsection B of 19.15.17.9 NMAC         Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.         Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC         Climatological Factors Assessment         Ccritified 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         Quality Control/Quality Assurance Construction and Installation Plan         Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC         Nuisance or Hazardous Odors, including H <sub>2</sub> S, Prevention Plan         Emergency Response Plan         Oil Field Waste Stream Characterization         Monitoring and Inspection Plan         Erosion Control Plan         Closure Plan - based upon the appropriate requirements of 19.15.17.9 NMAC
Proposed Closure:       19.15.17.13 NMAC         Instructions:       Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.         Type:       Drilling       Workover       Emergency       Cavitation       P&A       Permanent Pit       Below-grade Tank       Closed-loop System         Alternative         Proposed Closure Method:       Waste Excavation and Removal       Waste Removal (Closed-loop systems only)         Ø       On-site Closure Method (Only for temporary pits and closed-loop systems)       Min-place Burial       On-site Trench Burial         Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)       Image: Proposed Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
15.
Waste Excavation and Removal Closure Plan Checklist:       (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.            Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC             Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC             Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)             Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC             Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC             Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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<sup>16.</sup> Waste Removal Closure For Closed-loop Systems That Utilize Above Ground S Instructions: Please indentify the facility or facilities for the disposal of liquids, dr facilities are required.		
	Disposal Facility Permit Number:	
	Disposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities occ Yes (If yes, please provide the information below) No	ur on or in areas that <i>will not</i> be used for future serv	vice and operations?
Required for impacted areas which will not be used for future service and operations         Soil Backfill and Cover Design Specifications based upon the appropriate r         Re-vegetation Plan - based upon the appropriate requirements of Subsection I         Site Reclamation Plan - based upon the appropriate requirements of Subsection	equirements of Subsection H of 19.15.17.13 NMA( of 19.15.17.13 NMAC	2
<sup>17.</sup> Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the cl provided below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmental demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC fo	administrative approval from the appropriate dist Bureau office for consideration of approval. Justi	rict office or may be
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data of	obtained from nearby wells	□ Yes ⊠ No □ NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data	obtained from nearby wells	Yes 🗌 No NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data of	obtained from nearby wells	☐ Yes ⊠ No ☐ NA
<ul> <li>Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signiliate (measured from the ordinary high-water mark).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	ficant watercourse or lakebed, sinkhole, or playa	🗌 Yes 🛛 No
Within 300 feet from a permanent residence, school, hospital, institution, or church i - Visual inspection (certification) of the proposed site; Aerial photo; Satellite i		🗌 Yes 🛛 No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less twatering purposes, or within 1000 horizontal feet of any other fresh water well or spring - NM Office of the State Engineer - iWATERS database; Visual inspection (co	ring, in existence at the time of initial application.	🗋 Yes 🛛 No
<ul> <li>Within incorporated municipal boundaries or within a defined municipal fresh water adopted pursuant to NMSA 1978, Section 3-27-3, as amended.</li> <li>Written confirmation or verification from the municipality; Written approval</li> </ul>		🗌 Yes 🛛 No
<ul><li>Within 500 feet of a wetland.</li><li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual</li></ul>	inspection (certification) of the proposed site	🗌 Yes 🛛 No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining a	nd Mineral Division	🗌 Yes 🛛 No
<ul> <li>Within an unstable area.</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology Society; Topographic map</li> </ul>	& Mineral Resources; USGS; NM Geological	🗌 Yes 🖾 No
Within a 100-year floodplain. - FEMA map		🗌 Yes 🛛 No
<ul> <li>18.</li> <li>On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached.</li> <li>Siting Criteria Compliance Demonstrations - based upon the appropriate requi</li> <li>Proof of Surface Owner Notice - based upon the appropriate requirements of S</li> <li>Construction/Design Plan of Burial Trench (if applicable) based upon the app</li> <li>Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad</li> <li>Protocols and Procedures - based upon the appropriate requirements of 19.15.</li> <li>Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of S</li> </ul>	rements of 19.15.17.10 NMAC Subsection F of 19.15.17.13 NMAC ropriate requirements of 19.15.17.11 NMAC 1) - based upon the appropriate requirements of 19. 17.13 NMAC rements of Subsection F 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 I of 19.15.17.13 NMAC
 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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19. Operator Application Certification:	
I hereby certify that the information submitted with this application is tr	ue, accurate and complete to the best of my knowledge and belief.
Name (Print):Ben Mitchell	Title: <u>Regulatory Specialist</u>
Name (Print): Ben Mitchell	
Signature: Remain	Date: 8/14/2013
e-mail address:ben.mitchell@wpxenergy.com	Telephone: <u>505-333-1806</u>
20. OCD Approval: 🕱 Permit Application (including closure plan) 🗌 C	Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:	Approval Date: 8/19/203 OCD Permit Number:
Title: Comptinue officer	OCD Permit Number:
	in prior to implementing any closure activities and submitting the closure days of the completion of the closure activities. Please do not complete th
22	
<ul> <li>22.</li> <li>Closure Method:</li> <li>Waste Excavation and Removal On-Site Closure Method</li> <li>If different from approved plan, please explain.</li> </ul>	Alternative Closure Method 🔲 Waste Removal (Closed-loop systems
23.	
	Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only uids, drilling fluids and drill cuttings were disposed. Use attachment if m
two facilities were utilized.	
Disposal Facility Name:	Disposal Facility Permit Number:
Disposal Facility Name:	Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities perform Yes (If yes, please demonstrate compliance to the items below)	ned on or in areas that <i>will not</i> be used for future service and operations? No
Required for impacted areas which will not be used for future service an	d operations:
<ul> <li>Site Reclamation (Photo Documentation)</li> <li>Soil Backfilling and Cover Installation</li> </ul>	
Re-vegetation Application Rates and Seeding Technique	
24.	
	lowing items must be attached to the closure report. Please indicate, by a
<i>mark in the box, that the documents are attached.</i> Proof of Closure Notice (surface owner and division)	
Proof of Deed Notice (required for on-site closure)	
Plot Plan (for on-site closures and temporary pits)	
Confirmation Sampling Analytical Results (if applicable)	- <b>1</b>
<ul> <li>Waste Material Sampling Analytical Results (required for on-site</li> <li>Disposal Facility Name and Permit Number</li> </ul>	nosure)
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
25.	
<b>Operator Closure Certification:</b> I hereby certify that the information and attachments submitted with this	closure report is true, accurate and complete to the best of my knowledge a
	requirements and conditions specified in the approved closure plan.
belief. I also certify that the closure complies with all applicable closure	
belief. I also certify that the closure complies with all applicable closure Name (Print): Signature:	Title:
belief. I also certify that the closure complies with all applicable closure Name (Print):	Title: Date:

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## WPX Energy Production, LLC San Juan Basin: New Mexico Assets Temporary Pit Drilling/Completion and Workover

## Type of action & rational

Transfer Drilling Pit to Completion/Workover Pit

- WPX proposes to utilize the same pit built to drill the well for the subsequent workover/completion activities noted in the well APD and necessary to bring the subject well into optimum production. Utilization of the same pit will minimize environmental impacts and waste of resources (i.e. waste of fuel and associated greenhouse emissions, surface disturbance ...).
- Workover Rig to be mobilized within six months of Drilling Rig demobilized.

Transfer Drilling Pit from \_\_\_\_\_\_to \_\_\_\_\_to

(well name)

(well name)

- As required by the Surface Owner and/or Surface Managing Agency (e.g. BLM, USFS, Tribal), WPX is being required to utilize the same well pad for multiple new wells. In these cases, WPX proposes to utilize the same pit for all the new wells to be drilled. Utilization of the same pit will minimize environmental impacts and waste of resources (i.e. waste of fuel and associated greenhouse emissions, surface disturbance ...). WPX has permitted the common pit for each well, and requests permission to transfer the pit since the first well has been drilled and completed.
- Pit to be considered closed for first well named.
- Drill Rig to be rig-up within six months of former rig demobilized.

Extension for three months to meet closure/cover requirements in Rule 19.15.17.13.A(6)

• As required by the Surface Owner and/or Surface Managing Agency (e.g. BLM, USFS, Tribal), WPX cannot conduct construction or similar activities during Seasonal Closures and therefore can not meet the closure requirements specified in the referenced rule. Closure will be scheduled and initiated as soon as the Seasonal Closure is lifted.

\_\_\_\_\_needed due to Surface Owner restriction and limitation.

(revised closure date)

### **Transfer Plan**

In accordance with Rule 19.15.17 NMAC, this Modification/Transfer (M/T) Plan describes the modifications to the Design and Construction (D&C), Operations and Maintenance (O&M) and Closure Plans for the transfer of a previously permitted Temporary Pit on a WPX Energy Production, LLC(WPX) location in the San Juan Basin of New Mexico. This M/T plan will be followed in that case

## D&C Plan:

• No proposed changes. WPX will comply with the original Design Plan. This will include ensuring that the original design of the pit is large enough to accommodate all of the fluids and solids.

## **O&M** Plan:

- The pit is to be considered out-of-service for the purpose of drilling the referenced well.
- The pit status will be considered in-service during this transition to and during the scheduled workover/completion activities.
- Pit inspections during the period between drill-rigdown and workover/completion-rigup will be weekly.
- The fluid will be removed within 30 days after the completion of each process.
- WPX will conduct an inspection and take photo documentation no more than seven days prior to the pit being placed back into use.
- WPX will notify NMOCD district office 7-14 days prior to start of each process.
- If any mud and solids require removal to ensure the two-foot freeboard is maintained, it will be removed by use of a Supersucker® (or similar equipment that will not damage the liner) and disposed of offsite at Envirotech (Permit Number NM-01-0011).
- WPX will sample the contents of the pit after each process is completed for Benzene, BTEX, and TPH (only required for a pit used for multiple wells).
- No other modifications or changes to the operation and maintenance of the pit will take place.

# Closure Plan:

- Due to the use of the pit for multiple processes the confirmation sampling will occur only after the contents have been stabilized to ensure a representative sample (only required for a pit used for multiple wells).
- WPX will submit the photo documentation and testing stated above with the C-144 closure.
- All APD #s and well names will be placed on the C-144 form when the closure form is filed.
- No additional proposed changes except as noted above, WPX will comply with the rest of the original Closure Plan.

WPX realizes this does not relieve them of any of the requirements of 19.15.17 NMAC.