

**State of Colorado**  
**Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: <b>400841836</b>			
Date Received: <b>05/19/2015</b>			

**SUNDRY NOTICE**

Submit a signed original. This form is to be used for general, technical and environmental sundry information. For proposed or completed operations, describe in full in Comments or provide as an attachment. Identify Well by API Number; identify Oil and Gas Location by Location ID Number; identify other Facility by Facility ID Number.

OGCC Operator Number: 96850 Contact Name Angela Neifert-Kraiser  
 Name of Operator: WPX ENERGY ROCKY MOUNTAIN LLC Phone: (303) 606-4398  
 Address: 1001 17TH STREET - SUITE #1200 Fax: ( )  
 City: DENVER State: CO Zip: 80202 Email: angela.neifert-kraiser@wpxenergy.com

Complete the Attachment  
Checklist

OP OGCC

API Number : 05- 045 22241 00 OGCC Facility ID Number: 435154  
 Well/Facility Name: FEDERAL Well/Facility Number: PA 431-27  
 Location QtrQtr: Lot 8 Section: 27 Township: 6S Range: 95W Meridian: 6  
 County: GARFIELD Field Name: PARACHUTE  
 Federal, Indian or State Lease Number: COC62161

Survey Plat		
Directional Survey		
Srvc Eqpmt Diagram		
Technical Info Page		
Other		

**CHANGE OF LOCATION OR AS BUILT GPS REPORT**

- ☐ Change of Location \* ☐ As-Built GPS Location Report ☐ As-Built GPS Location Report with Survey

\* Well location change requires new plat. A substantive surface location change may require new Form 2A.

**SURFACE LOCATION GPS DATA** Data must be provided for Change of Surface Location and As Built Reports.

Latitude                      PDOP Reading                      Date of Measurement                       
 Longitude                      GPS Instrument Operator's Name                     

**LOCATION CHANGE (all measurements in Feet)**

Well will be:                      (Vertical, Directional, Horizontal)

Change of **Surface** Footage **From** Exterior Section Lines:

Change of **Surface** Footage **To** Exterior Section Lines:

Current **Surface** Location **From** QtrQtr Lot 8 Sec 27

New **Surface** Location **To** QtrQtr            Sec           

Change of **Top of Productive Zone** Footage **From** Exterior Section Lines:

Change of **Top of Productive Zone** Footage **To** Exterior Section Lines:

Current **Top of Productive Zone** Location **From** Sec 27

New **Top of Productive Zone** Location **To** Sec           

Change of **Bottomhole** Footage **From** Exterior Section Lines:

Change of **Bottomhole** Footage **To** Exterior Section Lines:

Current **Bottomhole** Location Sec 27 Twp 6S

New **Bottomhole** Location Sec            Twp           

Is location in High Density Area?                     

Distance, in feet, to nearest building                     , public road:                     , above ground utility:                     , railroad:                     ,

property line:                     , lease line:                     , well in same formation:                     

Ground Elevation                      feet Surface owner consultation date                     

FNL/FSL		FEL/FWL	
<u>2337</u>	<u>FNL</u>	<u>657</u>	<u>FEL</u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Twp <u>6S</u>	Range <u>95W</u>	Meridian <u>6</u>	
Twp <u>          </u>	Range <u>          </u>	Meridian <u>          </u>	
<u>208</u>	<u>FNL</u>	<u>1789</u>	<u>FEL</u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
Twp <u>6S</u>	Range <u>95W</u>		
Twp <u>          </u>	Range <u>          </u>		
<u>208</u>	<u>FNL</u>	<u>1789</u>	<u>FEL</u>
<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
			**

\*\* attach deviated drilling plan

**CHANGE OR ADD OBJECTIVE FORMATION AND/OR SPACING UNIT**

<u>Objective Formation</u>	<u>Formation Code</u>	<u>Spacing Order Number</u>	<u>Unit Acreage</u>	<u>Unit Configuration</u>

**OTHER CHANGES**

☐ **REMOVE FROM SURFACE BOND** Signed surface use agreement is a required attachment

☐ **CHANGE OF WELL, FACILITY OR OIL & GAS LOCATION NAME OR NUMBER**

From: Name FEDERAL Number PA 431-27 Effective Date: \_\_\_\_\_

To: Name \_\_\_\_\_ Number \_\_\_\_\_

☐ **ABANDON PERMIT: Permit can only be abandoned if the permitted operation has NOT been conducted. Field inspection will be conducted to verify site status.**

☐ WELL: Abandon Application for Permit-to-Drill (Form2) – Well API Number \_\_\_\_\_ has not been drilled.

☐ PIT: Abandon Earthen Pit Permit (Form 15) – COGCC Pit Facility ID Number \_\_\_\_\_ has not been constructed (Permitted and constructed pit requires closure per Rule 905)

☐ CENTRALIZED E&P WASTE MANAGEMENT FACILITY: Abandon Centralized E&P Waste Management Facility Permit (Form 28) – Facility ID Number \_\_\_\_\_ has not been constructed (Constructed facility requires closure per Rule 908)

OIL & GAS LOCATION ID Number: \_\_\_\_\_

☐ Abandon Oil & Gas Location Assessment (Form 2A) – Location has not been constructed and site will not be used in the future.

☐ Keep Oil & Gas Location Assessment (Form 2A) active until expiration date. This site will be used in the future.

**Surface disturbance from Oil and Gas Operations must be reclaimed per Rule 1003 and Rule 1004.**

☐ **REQUEST FOR CONFIDENTIAL STATUS**

☐ **DIGITAL WELL LOG UPLOAD**

☐ **DOCUMENTS SUBMITTED** Purpose of Submission: \_\_\_\_\_

**RECLAMATION****INTERIM RECLAMATION**

☐ Interim Reclamation will commence approximately \_\_\_\_\_

Per Rule 1003.e.(3) operator shall submit Sundry Notice reporting interim reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Interim reclamation complete, site ready for inspection.

Per Rule 1003.e(3) describe interim reclamation procedure in Comments below or provide as an attachment and attach required location photographs.

**Field inspection will be conducted to document Rule 1003.e. compliance**

**FINAL RECLAMATION**

☐ Final Reclamation will commence approximately \_\_\_\_\_

Per Rule 1004.c.(4) operator shall submit Sundry Notice reporting final reclamation is complete and site is ready for inspection when vegetation reaches 80% coverage.

☐ Final reclamation complete, site ready for inspection. Per Rule 1004.c(4) describe final reclamation procedure in Comments below or provide as an attachment.

**Field inspection will be conducted to document Rule 1004.c. compliance**

Comments:

#### ENGINEERING AND ENVIRONMENTAL WORK

##### ☐ NOTICE OF CONTINUED TEMPORARILY ABANDONED STATUS

Indicate why the well is temporarily abandoned and describe future plans for utilization in the COMMENTS box below or provide as an attachment, as required by Rule 319.b.(3).

Date well temporarily abandoned \_\_\_\_\_ Has Production Equipment been removed from site? \_\_\_\_\_

Mechanical Integrity Test (MIT) required if shut in longer than 2 years. Date of last MIT \_\_\_\_\_

☐ SPUD DATE: \_\_\_\_\_

#### TECHNICAL ENGINEERING AND ENVIRONMENTAL WORK

Details of work must be described in full in the COMMENTS below or provided as an attachment.

☒ NOTICE OF INTENT Approximate Start Date 05/22/2015

☐ REPORT OF WORK DONE Date Work Completed \_\_\_\_\_

- ☐ Intent to Recomplete (Form 2 also required)
- ☐ Request to Vent or Flare
- ☐ E&P Waste Mangement Plan
- ☐ Change Drilling Plan
- ☐ Repair Well
- ☐ Beneficial Reuse of E&P Waste
- ☐ Gross Interval Change
- ☐ Rule 502 variance requested. Must provide detailed info regarding request.
- ☒ Other low toc
- ☐ Status Update/Change of Remediation Plans for Spills and Releases

#### COMMENTS:

WPX requests the approval of the top of cement at 5,222' and waiver of the COA applied to the approved Form 2 (Doc #: 400477131)

#### CASING AND CEMENTING CHANGES

Casing Type	Size	Of	/	Hole	Size	Of	/	Casing	Wt/Ft	Csg/LinTop	Setting Depth	Sacks of Cement	Cement Bottom	Cement Top

#### H2S REPORTING

**Data Fields in this section are intended to document Sample and Location Data associated with the collection of a Gas Sample that is submitted for Laboratory Analysis.**

**Gas Analysis Report must be attached.**

H2S Concentration: \_\_\_\_\_ in ppm (parts per million) Date of Measurement or Sample Collection \_\_\_\_\_

Description of Sample Point:

Absolute Open Flow Potential \_\_\_\_\_ in CFPD (cubic feet per day)

Description of Release Potential and Duration (If flow is not open to the atmosphere, identify the duration in which the container or pipeline would likely be opened for servicing operations.):

Distance to nearest occupied residence, school, church, park, school bus stop, place of business, or other areas where the public could reasonably be expected to frequent: \_\_\_\_\_

Distance to nearest Federal, State, County, or municipal road or highway owned and principally maintained for public use: \_\_\_\_\_

COMMENTS:

### **Best Management Practices**

**No BMP/COA Type**

**Description**

#### **Operator Comments:**

WPX requests the approval of the top of cement at 5,222' and waiver of the COA applied to the approved Form 2 (Doc #: 400477131) that requires a minimum of 200' of cement above the top of the Mesa Verde formation. Based on the attached information, WPX believes that the intent of the COA has been met as there is de minimus potential for fluid migration between any gas or water bearing formations and/or coalbeds in the uncemented interval of the well. We believe the information presented in the "Mesaverde Water Evaluation.pdf", which was attached to Doc No. 400836405, applies to the location of this well.

We believe a constant fluid level is present in the production casing annulus, which is an indication of no fluid cross-zone flow. The first echometer was taken on April 24, 2015 and showed a fluid level of approximately 2,917 ft above the surface casing shoe. The second reading was taken on April 30, 2015 and it showed a fluid level of 2,917 ft above the surface casing shoe. These echometers usually have a variance of a couple hundred feet, so for all intents and purposes the data suggests the fluid level is not changing over time. The lack of bradenhead pressure suggests that gas is not moving behind pipe. Also, we believe the system permeability is around 10<sup>-3</sup> md in the Ohio Creek Formation, if present. There is core cut from the Ohio Creek Formation in the Last Dance 43C-3-792 (BBC/Vanguard) and the RPW 533-25-596 (Encana) wells. However, WPX does not have access to the cores nor any core analyses and the data has not been published on the COGCC website. It is recommended that you follow up with the respective operators for this data. We do not produce hydrocarbons from the Ohio Creek or stratigraphically equivalent intervals within Section 27, T6S, R96W. As a non-producing interval, no water samples have been collected nor are any TDS analyses available. There is no active injection into the Ohio Creek or stratigraphically equivalent in the WPX operated Rulison field. We haven't developed the Wasatch recently, so I'm unfamiliar with this zone.

#### **Comment on Mechanical Integrity**

WPX believes that when a well has no bradenhead pressure and adequate cement coverage above the shallowest proposed perforation, introducing squeeze perforations above the cement top introduces risk for cross flow. Squeeze perms are more likely to lose mechanical integrity than new casing over the life of the well due to normal operations. Unless there are sources of bradenhead pressure behind the casing to attempt to eliminate, WPX does not encourage compromising the mechanical integrity of new casing by creating cement perforations.

We have 1,338 ft of cement over the top perforation. Our recommendation would be to not remediate this low TOC. If we develop bradenhead pressure, we will address the issue accordingly, which may include remediation. Please advise if I can submit this email attached via a Sundry."

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Angela Neifert-Kraiser  
Title: Regulatory Specialist Email: angela.neifert-kraiser@wpxenergy.com Date: 5/19/2015

Based on the information provided herein, this Sundry Notice (Form 4) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: KRABACHER, JAY Date: 5/28/2015

**CONDITIONS OF APPROVAL, IF ANY:****COA Type****Description****User Group****Comment****Comment Date**

Engineer	Removed text from engineering tab that was repeated in the submit tab and attached doc#400841841.	5/28/2015 7:20:06 AM
Engineer	<p>added C Burger for ENGR Review as he was in communication w/WPX earlier in regards low TOC. see Correspondence doc # 2597159 in wellfiles. C Burger informed WPX:</p> <p>"WPX can proceed with the planned completions. Assuming the bradenhead pressure remains negligible, this low TOC can be addressed by providing a written demonstration on a Sundry Notice containing applicable geologic information, bradenhead pressures and annular fluid level measurements to demonstrate that fluids (oil, gas, and water) and coal seams are adequately isolated to prevent cross-zone migration. If the demonstration is acceptable, then we will waive the COA requirement."</p> <p>The attached and enclosed data seem to satisfy that request. -- J K</p>	5/27/2015 10:43:37 AM

Total: 2 comment(s)

**Attachment Check List****Att Doc Num****Name**

400841836	FORM 4 SUBMITTED
400841838	OTHER
400841840	OTHER
400841841	OTHER

Total Attach: 4 Files