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Form 3160-5
(February 2005)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Farmington Field Office
Bureau of Land Management

NOV 18 2016

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on page 2.

5. Lease Serial No.
NMNM109398

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No.
Logos 5

9. API Well No.
30-045-35423

10. Field and Pool or Exploratory Area
Basin Mancos / Basin Dakota

11. Country or Parish, State
San Juan, NM

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WPX Energy Production, LLC

3a. Address

PO Box 640 Aztec, NM 87410

3b. Phone No. (include area code)

505-333-1808

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

671' FSL & 973' FEL SEC 4 23N 8W

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

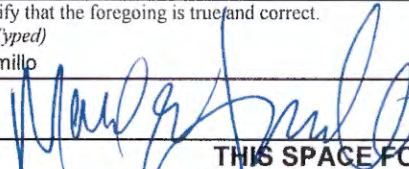
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

WPX Energy request to recompleate the subject well by adding perforations to the Mancos formation per attached procedure and wellbore diagram.

OIL CONS. DIV DIST. 3

NOV 21 2016

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Marie E. Jaramillo		Title Permit Tech
Signature 		Date 11/18/16
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by AG Elmadani		Title RE
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Date 11/21/16
		Office FFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCDA

If perforations are above or below existing perms please file: c-104 and Completion Report to include new perms before returning to production

Logos 5

API # 3004535423
Sec 4 T- 23N R-8W, Unit P
Recomplete Procedure

WELL NAME:	Logos #005
COUNTY, STATE	San Juan, New Mexico
API #	30-045-35423
LOCATION – Surface	23N 8W 04P
LOCATION - TD at Bottom Hole	23N 8W 04P
TD	6443' MD / 6390' PBDT
ZONES OF INTEREST / OBJECTIVES:	Mancos
GLE / KB:	6878' KB

Casing Record:

	<u>Hole Size</u>	<u>Casing</u>	<u>MD</u>	<u>TOC</u>
Surface:	12-1/4"	9-5/8", 36 ppf, J-55, LT&C	343'	Surface
Production:	7-7/8"	5-1/2", 17 ppf, L-80, LT&C	6435'	Surface
		DV Tool:	4270'	

Recompletion Procedure:

1. MIRU workover rig. Pull production tubing.
2. Set retrievable plug @ 5130'
3. Pressure test casing to surface pressure of: 4280 psi (6500 psi bottomhole-85% of casing strength)
4. Perforate for DFIT @
 - a. 4875'
 - b. 4887'
 - c. 4908'
 - d. 4918'
 - e. 4927'
 - f. 4942'
5. Pump ~15-25 bbls of treated water for DFIT.
6. Shut in downhole tools for DFIT.
7. Leave shut in for ~14 days.
8. Frac with:
 - a. 205,000 lbs of 20/40 white sand
 - b. ~50,000 gallons of water
 - c. ~1851 mcf of N2
9. Cleanout well and produce.

Logos #5

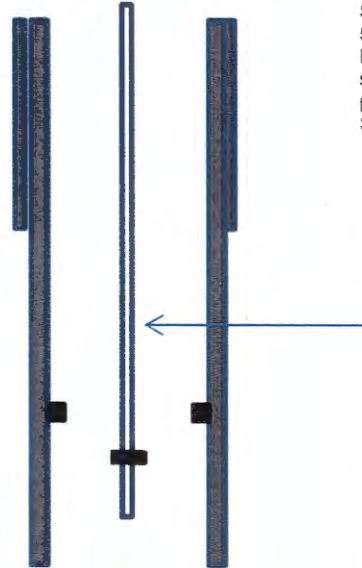
Spud: 1/30/13

Completed: 3/12/13

Install Gas Lift: 2/27/15

SHL: 671' FSL & 973' FEL
SEC 4 23N 8W

SAN JUAN NM
API: 30-045-35423



Spud well at 09:30. Drilled a 12-1/4" surface hole to 343' KB. Ran in hole with 11 joints of 9-5/8" 36# J-55 casing. Set at 343'. Cemented with 162 cu.ft. of Type 1 -2 cement with 20% flyash @ 14.5 lb. Dropped plug and displaced 24 bbls of fresh water. Well locked up with full circulation - no cement to surface. Ran 1" pipe down the backside of the casing and tagged cement top at 54'. Mixed and pumped 23 sacks (3.5 bbls) of cement down the 1" pipe and circulated 0.5 bbls of cement to surface. Surface Casing -Hole Size: 12-1/4"

Land Tubing as Follows, Hanger KB 11', 35 jts. of 2.3/8 4.7# J-55 tbg, GLV # 7 @ 1,114' 27 jts. of 2.375 4.7# J-55 tbg, GLV # 6 @ 1,985', 24 jts. of 2.375 4.7# J-55 tbg, GLV # 5 @ 2,761' 20 jts. of 2.375 4.7# J-55 tbg, GLV # 4 @ 3,408' 17 jts. of 2.375 4.7# J-55 tbg, GLV # 3 @ 3,957' 17 jts. of 2.375 4.7# J-55 tbg, GLV # 2 @ 4,508' 17 jts. of 2.375 4.7# J-55 tbg, L-80 X 1.87 X P' N' @ 5,153' 42 jts. 2.375 4.7# J-55 jts, GLV # 1 @ 5,059' 1jts of 2.375 tbg @ 5,091' 4' pup joint, 4.5 X 2.375 T-2 On/ Off tool, w/ 1.81 "P" Nipple 1".81" @ 5,097' (4.5 X 2.3/8 Arrowset 1-X packer 5,104') 11 jts, 2.375 4.7 # J-55 tbg, w/ R" nipple, @ 5,459 1 jt of 2.375 4.7# J -55, @ 5,491 Half mule shoe, (EOT @ 5,492')(Packer set w/ 10K Tension), Total tbg in hole 170 jts 2.375 4.7# J-55, RU Tbg, Well Head, Shut well in, Locked down Hanger,

Drilled a 7-7/8" hole to 6443'. Set 152 joints of 5-1/2", 17#, L-80 at 6435'. DV Tool set at 4267' TOC at surface Stage 1: Cemented with 160 sacks Premium Lite HS FM, tailed with 168 sacks Type III cement; circulated 30 bbls of cement to surface. Stage 2: Cemented with 512 sacks Premium Lite HS FM, tailed with 50 sacks Type III cement; circulated 30 bbls of cement to surface. Final Casing - Hole Size: 6-1/8"

TD: 6443' MD
PBTD: 6390' MD

HOLE SIZE	CASING	CEMENT	VOLUME	CMT TOP
12-1/4"	9-5/8"	113 sx	182 cu.ft.	Surface
7-7/8"	5-1/2"	890 sx	1344 cu. ft.	Surface

BLM CONDITION OF APPROVAL

CASING REPAIR, WORKOVER AND RECOMPLETION OPERATIONS:

1. If casing repair operations are needed, obtain prior approval from this office before commencing repairs. If a CBL or other logs are run, provide this office with a copy.
2. After any casing repair operations, test cement squeeze to a minimum of 500# for 30 minutes with no more than 10 % pressure fall off in the 30 minute test period. Provide test chart with your subsequent report of operations
3. A properly functioning BOP and related equipment must be installed prior to commencing workover, casing repair, and/or recompletion operations.
4. **Contact this office at (505) 564-7750 prior to conducting any cementing operations**

SPECIAL STIPULATIONS:

1. **Pits will be fenced during work-over operation.**
2. **All disturbance will be kept on existing pad.**
3. **All pits will be pulled and closed immediately upon completion of the recompletion and work-over activities.**
4. **Pits will be lined with an impervious material at least 12 mils thick.**