

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2014

**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.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
DEVON ENERGY PRODUCTION CO., LP

3a. Address  
333 WEST SHERIDAN AVENUE  
OKC, OK 73102

3b. Phone No. (include area code)  
405-552-7970

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SEC. 4 T23S R34E SENW 1980 FNL 1980 FWL, UNIT F

5. Lease Serial No.  
NMNM92199

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.  
NMNM111812

8. Well Name and No.  
RIO BLANCO 4 FEDERAL 1

9. API Well No.  
30-025-34515

10. Field and Pool or Exploratory Area  
BELL LAKE; DEVONIAN, NE (GAS)

11. County or Parish, State  
LEA, COUNTY, NM

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 recomplete 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 recompletion 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.)

Devon Energy Production Company, LP respectfully requests to abandon the Devonian and recomplete to the 3rd Bone Spring formation per the procedure below:

1. Notify all regulatory agencies prior to initiation of work (if required) and Devon EHS personnel. Have H2S safety equipment and personnel on location during all well work. Hold tailgate safety meetings prior to R.U., each morning and before each operational change or event.
2. Test and/or install and test anchors. MIRU WSU. Spot necessary enclosed tanks, gas buster with flare stack and temporary flow lines to equipment. Record pressures on tbg, and csg. RU H2S safety trailer, equipment and personnel.
3. Top kill tbg (if necessary) with 2% KCL. Use 10 ppg Nadine Brine if needed.
4. ND 10K Tree (send in tree to be maintained and tested for a future need). NU 10K BOPE, w/1 set of blind rams on bottom plus 1 set of 2-3/8 & 2-7/8" variable pipe ram on top. Test BOPE to Devon guidelines.
5. Unset Baker 5" Model "WL" Reliant packer set @ 10,587'. RU Pumping services. Attempt to circulate well with 2% KCL (use 10 ppg Nadine Brine if needed). Circulate and burn (flare stack) any/all H2S gas returned to surface through gas buster throughout workover. Note: Keep enough fluid going down casing during all non-circulating events to keep H2S at surface to workable levels.

Attachment: Procedures Cont.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Erin Workman

Title Regulatory Compliance Associate

Signature

Date 05/01/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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.

Office

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)

FEB 03 2014

**Abandon Devonian; recomplete 3<sup>rd</sup> BS**

6. TOH with 2-7/8" tubing, XO, 2-3/8" tbg , 5' Baker packer and "R" nipple (see details on 1<sup>st</sup> page above).
7. RU WL with full lubricator. Test lubricator to Devon guidelines. Make GR run inside 5" liner to 14,450' KBM. If ok, then TIH & set 5", 18# CIBP @ 14,440' KBM. RD WL. Load and test CIBP, 7" & 5" csgs to 1,000 psi for 30 min.
8. TIH with ~ 4,200' of 2-3/8", 4.7#, L-80 tbg open-ended (tbg collar on btm) and 10,240' of 2-7/8" 6.5#, L-80 tbg to ~ 14,440' KBM and tag 5" CIBP. Pick up 2', load, circ and balance hole with 2% KCL (hydrotest tubing to 8,500 psi while TIH)
9. RU BHI cementers or equivalent. Test lines.
  - a. With btm of tbg @ 14,438' KBM, break circ, mix & pump 25 sks Class H neat cement setting a balanced cement plug from 14,438' – 14,160' KBM (280') above CIBP @ 14,440'. Pull 2-3/8" tbg to 14,145' KBM and reverse circ clean. Pull tbg to 13,800' KBM. WOC 4-6 hrs or overnight if necessary.
  - b. After WOC, drop down and tag top of cement @ 14,160' KBM or higher. (BLM to witness tag before proceeding). If ok,
  - c. Pull tbg to 12,659' KBM (top of Morrow), break circ, mix & pump 25 sks Class H neat cement setting a balanced cement plug from 12,659' to 12,379' KBM (280'). Pull tubing to 12,364' and reverse circ clean. Pull tbg to 12,000' KBM. WOC 4-6 hrs or overnight if necessary.
  - d. After WOC, drop down and tag top of cement @ 12,379' KBM or higher. (BLM to witness tag before proceeding).
10. If last cement tag was ok, circ and balance hole with 2% KCL and test 5", 18# and 7", 26# csgs to 3,000 psi at surface for 30 min (chart test - if required). TOH with 2-7/8" & 2-3/8" tubing. If ok, proceed to step 11; If not isolate csg leak(s) and report results to OKC Engineering.
11. Change out variable pipe rams ( 2-3/8" & 2-7/8") with 3-1/2" pipe rams. Test BOPE to Devon guidelines.
12. RU WL w/full lubricator. Test lubricator to Devon guidelines. **Run GR - CCL - CBL from PBTD to 6,000' KBM or 500' above TOC. Correlate to: Schlumberger Platform Express Three Detector Density Compensated Neutron dated Dec 02, 1998. Notify OKC engineering of bond log results.**
13. TIH with 5", 18#, 10K CIBP and set @ 11,188' KBM (top of Wolfcamp). Dump bail 35' of Class H cement on top of CIBP. New PBTD 11,153' KBM. (Note: A CIBP and cement cap were used here to allow rathole for the zone to be recompleted).
14. **If casing tested ok and cement bond log looks good**, perforate the 3<sup>rd</sup> Bone Spring Ss as follows: Use 3-1/8" slick guns loaded 2 spf (0.42" EHD). **Correlate to: Schlumberger Platform Express Three Detector Density Compensaated Neutron dated Dec 02, 1998.**

Formation	Perf Interval (ft)	Feet	Density (spf)	Phasing (°)	Charge (in)	# of Holes
<b>3<sup>rd</sup> Bone Spring Ss</b>	<b>10,920'- 10,950'</b>	<b>30</b>	<b>2</b>	<b>60</b>	<b>0.42</b>	<b>60</b>

RDMO WL.

15. PU & TIH w/ 7", 26#, 10K Arrowset packer and 3-1/2", 9.3#, N-80 frac string to ~ 10,500' KBM (hydrotest 3-1/2" tbg to 8,100 psi below slips while TIH). **Note: TOL @ 10,540' KBM**
16. Set 7" packer @ ~10,500' KBM. ND BOPE. NU 10K Frac Tree/Valve. Test Tree/Valve to rating.
17. RU BHI Services. Test lines. Apply 500 psi to 3-1/2" by 7" annulus (monitor annulus during acid job - keep annulus pressure below 1,000 psi). Acidize 3rd Bone Springs Ss perfs from 10,920' - 10,950' **per BHI proposal #856350367A**. Top pressure 8,000 psi. Get ISIP, 5 Min, 10 Min, & 15 Min psi readings. Surge back ball sealers. RD BHI. SWI 1hr
18. Flow back well until it dies. Swab test well recording % oil cut. If well swabs' down, then make hourly runs recording fluid entry per hour and oil cut. Depending on results from swab test, prep for frac.
19. RU BHI. Test lines. Apply 500 psi to 3-1/2" by 7" annulus (monitor annulus during frac - keep annulus pressure below 1,000 psi). Frac Stim 3<sup>rd</sup> Bone Spring Ss perfs from 10,920' - 10,950' **per BHI proposal #856350369A**. Top surface pressure 8,000 psi. (Will need 4 frac tanks of fresh water for frac).

Frac general info: 20 BPM

63,000 gals Viking Frac 2500

5,150 gals 25# Linear Gel

91,875 lbs Super LC, 20/40 (0.25 - 4 ppg)

Record average treating pressure, rates and job load along with ISIP, 5, 10 & 15 minute readings).SWI

20. RD BHI. Flow well back at 30 bbl/hr for a minimum of 12 hrs (or longer - overnight if needed) and then start increasing to a maximum of 60 bbl/hr until well dies. Watch for sand in surface samples and reduce flowback if excessive sand is noted.
21. If necessary, kill well. ND Frac Tree/Valve. NU 10K BOPE w/ 3-1/2" pipe rams. Test BOPE to Devon specifications.
22. Release 7" pkr. TOH w/ pkr. LD 3-1/2" frac string and BHA. Change out pipe rams from 3-1/2" to 2-7/8".

23. PU & TIH w/ 4 jts 2-7/8" MA (w/bull plug on btm jt), 2-7/8" x 8' wirewrap screen, 2-7/8" mechanical SN, 10 jts of 2-7/8", 6.5# L-80 tbg, 2-7/8" x 7" (26#) TAC and 2-7/8", 6.5#, L-80 tubing (rabbit & strap tbg while TIH). Place SN @ ~ 10,975' KBM. Set TAC @ +/- 10,675' KBM. ND BOPE. NU WH.

24. NU rod rams. PU & TIH w/ pump & rods as follow:

1-1/2" x 18' Stanley filter  
1-1/4" x 30' dip tube  
2-1/2" x 1-1/2" x 30' pump w/ 6' plunger  
1 (2') 7/8" Norris 96 rod sub (lift sub)  
1 (1') shear coupling  
16 (400') – 1-1/2" C sinker bars  
44 (1,100') – 7/8" Norris 96 rods  
115 (2,875') – 1" Norris 96 rods  
176 (6,600') – 1-1/4" fiberglass rods.

Space out rods, seat pump and hang off.

25. MI, set & level 912-365-168 pumping unit.(put unit in #2 hole)

26. RDMO & turn well over to production. Rod design is for ~ 220 bbls/day of total fluid @ 7.5 spm

Contact	Company	Office #	Mobile #
Ron Hays	Devon (engr)	(405) 552-8150	(405) 464-4214
Ronnie Carre	Devon (Completions Supv)	(575) 748-0179	(575) 748-5528