

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**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**

HOBBS OCD

SEP 13 2018

RECEIVED

I &amp; F CEO

Carlsbad Field Office

## 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"/> Hydraulic Fracturing	<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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

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 recomple 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.

## TOC COA Proposed Remediation

Upon review of the CBL, the TOC does not meet COA requirements. As per the COA the TOC needs to be 4212?, UltraView Cement Evaluation Log shows lightweight cement up to 4750? and good cement at 5100?. The intermediate shoe is at 4412?. After running the cement evaluation log, Devon attempted to establish injection down the 5-1/2"x9-5/8" annulus. An injection rate of 2 bpm and 600 psi was achieved, indicating that the performance of a bradenhead squeeze down the 5-1/2"x9-5/8" annulus to remediate the low TOC is possible. Devon respectfully requests to perform the remediation after the frac scheduled to start 8/25.

During the frac job, Devon will tie into the 5-1/2"x9-5/8" annulus, install a pressure transducer,

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #431734 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION COMPAN, sent to the Carlsbad Committed to AFMSS for processing by ZOTA STEVENS on 08/17/2018 (18ZS0137SE)	
Name (Printed/Typed) REBECCA DEAL	Title REGULATORY COMPLIANCE PROFESSI
Signature (Electronic Submission)	Date 08/17/2018

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ZOTA STEVENS	Title PETROLEUM ENGINEER	Date 08/17/2018
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 Carlsbad

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)

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

**Additional data for EC transaction #431734 that would not fit on the form**

**32. Additional remarks, continued**

and a pop-off set at 1500 psi. The pressure will be monitored and recorded at all times. After the frac, Devon will tie into 5-1/2"x9-5/8" annulus and attempt to establish an adequate injection rate. Based off the previous injection test performed Devon has good indication that a bradenhead squeeze to bring TOC above the COA requirement can be performed. If an injection rate is established, Devon will remediate the low toc by pumping a bradenhead squeeze down the 5-1/2"x9-5/8" annulus.

An UltraView Log will be emailed due to size.