

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NMOCD

FORM 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.*

Hobbs  
HOBB'S OGD

SUBMIT IN TRIPLICATE - Other instructions on page 2

JAN 16 2018

319790

RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. BOUNDARY RAIDER 6-7 FED 212H
2. Name of Operator DEVON ENERGY PROD CO LP		9. API Well No. 30-025-44146
3a. Address 123 W. SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-693-9277	10. Field and Pool or Exploratory Area SAND DUNES/BONE SPRING
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 6 T23S R32E Mer NMP NENW 550FNL 2435FWL		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 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 checked="" type="checkbox"/> Subsequent Report	<input checked="" 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 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 recompleat 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 recompleat 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 respectfully request to change the casing as follows:

The sundry/change to the Boundary Raider 6-7 212H is for changing the 9-5/8" casing setting depth from 6,000' back to a more standard 4,450' (base of the salt). The 6,000' setting depth is based on the concern of potential water flows from 5,700'-5,900', however, based on recent offsets we don't feel the water flow potential is as high of a risk now and should be manageable. Please see the attached Casing Plan for further information.

*well already drilled*

14. I hereby certify that the foregoing is true and correct. Electronic Submission #394116 verified by the BLM Well Information System For DEVON ENERGY PROD CO LP, sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 11/28/2017 ()	
Name (Printed/Typed) CHANCE BLAND	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 11/06/2017

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)

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

*K2*

## Devon Energy, Boundary Raider 6-7 Fed Com 212H

This sundry is being submitted to change the set depth of our 9 5/8" casing to the base of the salt instead of a deeper setting depth. The original APD, which had casing set at 6,000', was designed to cover potential water flows; however, based on offset wells we do not anticipate water flows in this area and would like to revert back to casing set just past the base of the salts.

If while drilling the hole conditions dictate the need for deeper casing (i.e. water flows worse than anticipated), our contingency plan will be to set intermediate casing at 6,000' as stated in the original APD.

### 1. Geologic Formations

TVD of target	10,418	Pilot hole depth	N/A
MD at TD:	20,191	Deepest expected fresh water:	

#### Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Rustler	931		
Salado	1299		
Base of Salt	4385		
Delaware	4633		
Bell Canyon	4639		
Cherry Canyon	5528		
Brushy Canyon	6837		
1st Bone Spring Lime	8571		
1 <sup>st</sup> Bone Spring Sandstone	9651		
2 <sup>nd</sup> Bone Spring Lime	9888		
2 <sup>nd</sup> Bone Spring Sandstone	10231		
2 <sup>nd</sup> Bone Spring Sand Upper	10293		

\*H2S, water flows, loss of circulation, abnormal pressures, etc.

## Devon Energy, Boundary Raider 6-7 Fed Com 212H

### 2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0	956	13.375"	48	H40	BTC	1.4	3.15	14.27
12.25"	0	4450	9.625"	40	J55	BTC	1.15	1.77	4.1
8.75"	0	20191	5.5"	17	P110	BTC	1.45	2.07	2.48
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

### 3. Cementing Program

Casing	# Sks	Wt. lb/gal	Yld ft <sup>3</sup> /sack	H <sub>2</sub> O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	749	14.8	1.33	6.32	6	Lead: Class C Cement + 0.125 lbs/sack Poly-F-Flake
Inter.	1010	12.9	1.85	9.81	14	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sks Poly-E-Flake
	210	14.8	1.33	6.32	6	Tail: Class C Cement + 0.125 lbs/sack Poly-F-Flake
Prod.	443	9	3.27	13.5	21	Lead: Tuned Light Cement
	2341	14.5	1.2	5.31	25	Tail: (50:50) Clas H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite

DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
13-3/8" Surface	0'	50%
9-5/8" Intermediate	0'	30%
5-1/2" Production	4250'	25%

## Devon Energy, Boundary Raider 6-7 Fed Com 212H

### 5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	956	FW Gel	8.6-8.8	28-34	N/C
956	4,450'	Saturated Brine	10.0-11.0	28-34	N/C
4,450'	20191	Cut Brine	8.5-9.3	28-34	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
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### 6. Logging and Testing Procedures

Logging, Coring and Testing.	
X	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain
	Coring? If yes, explain

Additional logs planned	Interval
Resistivity	Int. shoe to KOP
Density	Int. shoe to KOP
X CBL	Production casing
X Mud log	KOP to TD
PEX	