

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.*5. Lease Serial No.
NMNM042625

6. Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. COTTON DRAW UNIT 272H
2. Name of Operator DEVON ENERGY PRODUCTION COMPANY Contact: LINDA GOOD Email: linda.good@devon.com		9. API Well No. 30-015-43724
3a. Address 333 WEST SHERIDAN AVE. OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-552-6558	10. Field and Pool or Exploratory Area PADUCA; BONE SPRING
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T25S R31E Mer NMP NWNE 225FNL 1350FEL		11. County or Parish, State EDDY 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"/> 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 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 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 respectfully requests to change the 5.5" production cement job from a 2 stage job as stated in the original APD to a single stage job. We propose to pump an 11 ppg lead slurry, and will use a 13.2 ppg tail slurry instead of the 14.8 ppg tail slurry in the original APD. Attached are the casing and cement design tables.

SEE ATTACHED FOR
CONDITIONS OF APPROVALNM OIL CONSERVATION
ARTESIA DISTRICT

JUN 19 2017

14. I hereby certify that the foregoing is true and correct. Electronic Submission #378599 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION COMPANY, sent to the Carlsbad Committed to AFMSS for processing by MUSTAFA HAQUE on 06/12/2017 ()		RECEIVED	
Name (Printed/Typed) LINDA GOOD	Title REGULATORY SPECIALIST		
Signature (Electronic Submission)	Date 06/12/2017	APPROVED	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved By <u>MUSTAFA HAQUE</u>		Title PETROLEUM ENGINEER	Date 6/12/2017
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 BUREAU OF LAND MANAGEMENT CFO CARLSBAD FIELD 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 **

RW 6-19-17

Cotton Draw Unit 272H Production Cement Sundry Request

Casing Design

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn .	SF Collapse	SF Burst	SF Tension
	From	To							
8.75"	0	14,787'	5.5"	17	P-110	BTC	1.54	2.19	3.18
BLM Minimum Safety Factor							1.125	1.00	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

Cement Program

Casing	# Sks	Wt. lb/gal	H ₂ O gal/sk	Yld ft ³ /sack	500# Comp. Strength (hours)	Slurry Description
5-1/2" Prod Single Stage	583	11	20.22	3.26	28	Lead #1 : NeoCem™
	1147	13.2	6.89	1.4	6	Tail: NeoCem™
5-1/2" Prod Two Stage	480	11	19.8	3.19	48	Lead: NeoCem™
	1157	13.2	7.18	1.43	6	Tail: NeoCem™
	DV Tool = 4,700ft					
	40	11	19.8	3.19	48	Lead: NeoCem™
	30	14.8	6.32	1.33	6	2 nd Stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake

If a DV tool is ran, 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
5-1/2" Production Casing	4,100'	10%
5-1/2" Production Casing Two Stage Option	1 st Stage = 4700' / 2 nd Stage = 4150'	10%

4100

**PECOS DISTRICT
CONDITIONS OF APPROVAL**

OPERATOR'S NAME:	Devon Energy Production Company, L.P.
LEASE NO.:	NMNM-046525
WELL NAME & NO.:	Cotton Draw Unit 272H
SURFACE HOLE FOOTAGE:	0225' FNL & 1350' FEL
BOTTOM HOLE FOOTAGE:	0330' FSL & 1450' FEL
LOCATION:	Section 03, T. 25 S., R 31 E., NMPM
COUNTY:	Eddy County, New Mexico

A. CASING

All previous COAs still apply except the following:

1. The minimum required fill of cement behind the **5-1/2** inch production casing is:

Option 1:

- ☒ Cement should tie-back at least **200** feet into previous casing. Operator should provide method of verification.

Option 2:

Operator has proposed DV tool at depth of 4700', but will adjust cement proportionately if moved. DV tool shall be set a minimum of 50' below previous shoe and a minimum of 200' above current shoe. Operator shall submit sundry if DV tool depth cannot be set in this range. If an ECP is used, it is to be set a minimum of 50' below the shoe to provide cement across the shoe. If it cannot be set below the shoe, a CBL shall be run to verify cement coverage.

- a. First stage to DV tool:

- ☒ Cement to circulate. If cement does not circulate, contact the appropriate BLM office before proceeding with second stage cement job. Operator should have plans as to how they will achieve circulation on the next stage.

- b. Second stage above DV tool:

- ☒ Cement should tie-back at least **200** feet into previous casing. Operator should provide method of verification. **Excess calculates to 9% - additional cement might be required.**

MHH 06122017