

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**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.  
NMNM0503

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
COTTON DRAW 10 FED COM 3H

9. API Well No.  
30-015-42126-00-X1

10. Field and Pool, or Exploratory  
PADUCA

11. County or Parish, and State  
EDDY COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
DEVON ENERGY PRODUCTION CO  
Contact: TRINA C COUCH  
Email: trina.couch@dvn.com

3a. Address  
333 WEST SHERIDAN AVE  
OKLAHOMA CITY, OK 73102

3b. Phone No. (include area code)  
Ph: 405-228-7203

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 10 T25S R31E NENE 0200FNL 1200FEL  
32.151691 N Lat, 103.761095 W Lon

12. CHECK 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 type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Change to Original A PD
	<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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall 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, L.P. respectfully requests to move the position of the DV Tool on our production casing from 5500' to 4500' in order to help hold back potential water flow and allow for the best cement job possible. New cement program is attached and highlighted.

Accepted for record  
NMOCD  
TES  
4/28/14

RECEIVED  
APR 28 2014  
NMOCD ARTESIA

APPROVED  
APR 21 2014  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

Original COA Still Applies

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #242727 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by CHRISTOPHER WALLS on 04/21/2014 (14CRW0231SE)

Name (Printed/Typed) TRINA C COUCH Title REGULATORY ASSOCIATE

Signature (Electronic Submission) Date 04/21/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ Title PETROLEUM ENGINEER Date 04/21/2014

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.

Cotton Draw 10 FED COM 3H- APD DRILLING PLAN  
JSP 11.11.13

**Casing Program**

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17-1/2"	0 - 840	13-3/8"	0 - 840	48#	STC	H-40
12-1/4"	840 - 4,240	9-5/8"	0 - 4,240	40#	LTC	J-55
8-3/4"	4,240 - 15,050	5-1/2"	0 - 15,050	17#	BTC	P-110

The goal of the surface casing is to protect the water zones, casing will be set a minimum of 25 feet into the Rustler Anhydrite. If Salt is encountered, casing will be set at least 25 feet above the salt.

**Design Factors**

Casing Size	Collapse Design Factor	Burst Design Factor	Tension Design Factor
13 3/8" 48# H-40 STC	1.96	4.40	7.99
9 5/8" 40# J-55 LTC	1.17	1.79	3.07
5-1/2" 17# HCP-110 BTC	1.55	1.93	2.22

**Mud Program**

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 - 840	8.4 - 9.0	30 - 34	N/C	FW
840 - 4,240	9.8 - 10.0	28 - 32	N/C	Brine
4,240 - 15,050	8.5 - 9.0	28 - 32	N/C	FW

**Pressure Control Equipment**

The BOP system used to drill the intermediate hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a **3M system** prior to drilling out the surface casing shoe.

The BOP system used to drill the production hole will consist of a 13-5/8" 3M Double Ram and Annular preventer. The BOP system will be tested as per BLM Onshore Oil and Gas Order 2 as a **3M system** prior to drilling out the intermediate casing shoe.

The pipe rams will be operated and checked as per Onshore Order 2. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at **3,000 psi WP**.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns.

**Cotton Draw 10 Fed Com 3H**

**Cementing Program (cement volumes based on at least Surface 100% excess, Intermediate 75% excess and Production is 25% excess)**

13-3/8" Surface

**Tail: 910 sacks** Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.1% Fresh Water, 14.8 ppg, Yield of 1.33 cf/sk, Water Requirement of 6.32 gal/sk, Mix Water Volume is 137bbbls

**TOC @ surface**

9-5/8" Intermediate

**Lead: 890 sacks** (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake + 70.9 % Fresh Water, 12.9 ppg, Yield of 1.85 cf/sk, Water Requirement of 9.81 gal/sk, Mix Water Volume is 208bbbls

**TOC @ surface**

**Tail: 430 sacks** Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.9% Fresh Water, 14.8 ppg, Yield of 1.33 cf/sk, Water Requirement of 6.32 gal/sk, Mix Water Volume is 65bbbls

5-1/2" Production - Two Stage Option

**Stage #1**

**Lead :1190 sacks** (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake + 74.1 % Fresh Water, 12.5 ppg, Yield of 1.95 cf/sk, Water Requirement of 10.79 gal/sk, 158bbbls of Mix Water.

**TOC @ 4500ft**

**Tail: 1210 sacks** (50:50) Class H Cement: Poz (Fly Ash) + 1 lb/sk Sodium Chloride + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water, 14.5 ppg, Yield of 1.22 cf/sk, Water Requirement of 5.38 gal/sk, 177bbbls of Mix Water

**DV Tool @ 4500ft**

**Stage #2**

**Lead :545 sacks** (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake + 74.1 % Fresh Water, 12.5 ppg, Yield of 1.95 cf/sk, Water Requirement of 10.79 gal/sk, 70bbbls of Mix Water.

**TOC @ 3710ft (or Minimum of 500' tieback into previous casing string)**

**Tail: 190 sacks** Class C Cement + 0.2% BWOC HR-800 + 64.4% Fresh Water, 14.8 ppg, Yield of 1.33 cf/sk, Water Requirement of 6.34 gal/sk, 19bbbls of Mix Water.

TOC for All Strings:

Surface: 840ft

0ft (840ft of fill of Tail)

Intermediate: 4240ft

0ft (3240ft of fill of Lead & 1000ft of fill of Tail)

Production: 15050ft - Two Stage

6000ft (1<sup>st</sup> Stage - 3717ft of fill of Lead & 5333ft of fill of Tail)

DV Tool at 5500ft

3740ft (2<sup>nd</sup> Stage - 1760ft of fill of Lead & 500ft of Tail) - Min 500' tie-back into 9 5/8"

**ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.**