

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
COTTON DRAW 10 FED COM 4H

9. API Well No.
30-015-42127-00-X1

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

10. Field and Pool, or Exploratory
PADUCA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 10 T25S R31E NENE 0200FNL 1150FEL
32.151691 N Lat, 103.760934 W Lon

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

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"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other
	Change to Original APD
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back

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 change the 9-5/8" 40# J55 LTC intermediate casing to a mixed string consisting of 3200' of 36# J55 LTC and the remaining 1100' of 40# J55 LTC casing. The new safety factors are included in the attachment.

Thank you

AD 5/6/14
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14. I hereby certify that the foregoing is true and correct.

Electronic Submission #243377 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 04/25/2014 (14CRW0234SE)

Name (Printed/Typed) TRINA C COUCH	Title REGULATORY ASSOCIATE
Signature (Electronic Submission)	Date 04/24/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>CHRISTOPHER WALLS</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>04/25/2014</u>
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 <u>Carlsbad</u>

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 4H- APD DRILLING PLAN
JSP 11.11.13

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17-1/2"	0 - 650	13-3/8"	0 - 840	48#	STC	H-40
12-1/4"	650 - 4,300	9-5/8"	0 - 3,200	36#	LTC	J-55
12-1/4"	650 - 4,300	9-5/8"	3,200-4,300	40#	LTC	J-55
8-3/4"	4,240 - 14,952	5-1/2"	0 - 14,952	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" 36# J-55 LTC	1.22	1.66	1.98
9 5/8" 40# J-55 LTC	1.15	3.69	2.24
5-1/2" 17# HCP-110 BTC	1.55	1.93	2.23

Mud Program

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 - 650	8.4 - 9.0	30 - 34	N/C	FW
650 - 4,300	9.8 - 10.0	28 - 32	N/C	Brine
4,300 - 14,952	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 4H

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

13-3/8" Surface

Tail: 710 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 137bbls

TOC @ surface

9-5/8" Intermediate

Lead: 920 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 208bbls

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 65bbls

5-1/2" Production - Two Stage Option

Stage #1

Lead: 610 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, 159bbls of Mix Water.

TOC @ 5500ft

Tail: 1360 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, 171bbls of Mix Water

DV Tool @ 5500ft

Stage #2

Lead: 550 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, 70bbls of Mix Water.

TOC @ 3800ft (or Minimum of 500' tieback into previous casing string)

Tail: 160 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, 19bbls of Mix Water.

TOC for All Strings:

Surface: 650ft

0ft (650ft of fill of Tail)

Intermediate: 4300ft

0ft (3300ft of fill of Lead & 1000ft of fill of Tail)

Production: 14931ft - Two Stage

5500ft (1st Stage - 3813ft of fill of Lead & 5139ft of fill of Tail)

DV Tool at 5500ft

3800ft (2nd 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