

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCDA 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.
NMLC061862

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
COTTON, DRAW 14 FED COM 2H

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

9. API Well No.
30-015-42092-00-X1

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 14 T25S R31E NWNW 0330FNL 1200FWL
32.136753 N Lat, 103.753336 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"/> 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 change the 9-5/8" 40# J55 LTC intermediate casing to a mixed string consisting of 3400' of 36# J55 LTC and the remaining 900' of 40# J55 LTC casing. The new safety factors are included in the attached document.

Thank you

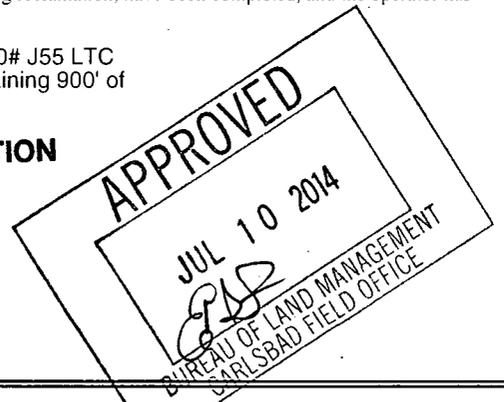
Accepted for record
NMOCD 7-15-14

NM OIL CONSERVATION
ARTESIA DISTRICT

JUL 14 2014

RECEIVED

Original AOA still Applies



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

Electronic Submission #249658 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad
Committed to AFMSS for processing by CATHY QUEEN on 06/19/2014 (14CQ0506SE)

Name (Printed/Typed) TRINA C COUCH

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/16/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Date 07/10/2014

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 14 FED COM 2H- APD DRILLING PLAN
JSP 11.6.13

Casing Program

Hole Size	Hole Interval	OD Csg	Casing Interval	Weight	Collar	Grade
17-1/2"	0 - 750	13-3/8"	0 - 870	48#	STC	H-40
12-1/4"	750 - 4,300	9-5/8"	0 - 3,400	36#	LTC	J-55
12-1/4"	750 - 4,300	9-5/8"	3,400 - 4,300	40#	LTC	J-55
8-3/4"	4,236 - 14,810	5-1/2"	0 - 14,810	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	1.77	3.98	7.71
9 5/8" 36# J-55 LTC	1.15	1.66	1.97
9 5/8" 40# J-55 LTC	1.18	1.81	3.10
5-1/2" 17# HCP-110 BTC	1.56	1.93	2.26

Mud Program

Depth	Mud Wt.	Visc.	Fluid Loss	Type System
0 - 750	8.4 - 9.0	30 - 34	N/C	FW
750 - 4,300	9.8 - 10.0	28 - 32	N/C	Brine
4,236 - 14,810	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 14 Fed Com 2H

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

13-3/8" Surface **Tail: 940 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 142bbbls

TOC @ surface

9-5/8" Intermediate **Lead: 880 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 206bbbls

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 :620.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, 159bbbls of Mix Water.

TOC @ 6000ft

Tail: 1290 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, 165bbbls of Mix Water

DV Tool @ 6000ft

Stage #2

Lead :280 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, 72bbbls of Mix Water.

TOC @ 3736ft (or Minimum of 500' tieback into previous casing string)

Tail: 120 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: 870ft

0ft (870ft of fill of Tail)

Intermediate: 4236ft

0ft (3236ft of fill of Lead & 1000ft of fill of Tail)

Production: 14810ft - Two Stage

6000ft (1st Stage - 3825ft of fill of Lead & 4985ft of fill of Tail)

DV Tool at 6000ft

3700ft (2nd Stage - 1800ft 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.