

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.  
NMNM037489

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.  
NMNM70928X

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
COTTON DRAW UNIT 211H

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

9. API Well No.  
30-015-41941

3a. Address  
DEVON ENERGY PRODUCTION CO. LP 333 WEST SHERIDAN  
OKLAHOMA CITY, OK 73102-5010

3b. Phone No. (include area code)  
918-236-0113

10. Field and Pool, or Exploratory  
P100CA; BONE SPRING (O)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 34 T24S R31E 185FSL 990FEL

11. County or Parish, and State  
EDDY COUNTY 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<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 shall 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 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 alter the previously approved casing design with a 5.5" production long string due to lost returns encountered while drilling the 8-3/4" vertical hole. Devon requests to set 7" 29# P-110 LTC casing at 9000 TVD. A 6-1/8" hole will then be drilled following the previously approved directional plan and a 4.5" 13.5# P-110 BTC production liner will then be run with 500' tie-back into the 7" casing @ 8,500' MD. Cement for the 7" casing will tie-back a minimum of 500' inside the previous 9-5/8" casing shoe set @ 4,353' MD. The 7" cement job will be a 2 stage cement job with a DV tool set at a minimum of 50' below the previous casing shoe and more than 200' above the 7" casing shoe. Cement volumes will be adjusted proportionately based off of DV Tool setting depth. Current setting depth is planned to be at 4500' MD.

Attached is the Cement Proposal and Casing Design

Accepted for record  
NM OIL CONSERVATION  
ARTESIA DISTRICT  
JUN 16 2014

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

RECEIVED

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

Electronic Submission #248893 verified by the BLM Well Information System  
For DEVON ENERGY PRODUCTION CO. LP, sent to the Carlsbad

Name (Printed/Typed) TRINA C COUCH

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 06/09/2014

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

APPROVED  
JUN 11 2014  
/s/ Chris Walls  
BUREAU OF LAND MANAGEMENT  
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.

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

Cement proposal and Casing design

Casing	Wt.	Setting Depth (MD)	Setting Depth (TVD)	String Length	Max Mud Wt	Collapse	Burst	Yield Strength	Collapse	Burst	Tension
7", 29#, P-110, LTC	29	9000	9000	9000	8.8	8510	11220	797000	2.06	2.72	3.05
4-1/2", 13.5#, P-110, BTC	13.5	14838	10345	14838	9	10670	12410	443000	2.20	2.56	3.17

String	Number of sx	Weight lbs/gal	Water Volume g/sx	Yield cf/sx	Stage; Lead/Tail	Slurry Description
7" Intermediate Two Stage	320	11.9	13.31	2.31	Lead	(50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.5% BWOC HR-601 + 0.5lb/sk D-Air 5000 + 79.5% Fresh Water
	100	14.4	5.8	1.25	Tail	50:50) Class H Cement: Poz (Fly Ash) + 2% BWOC Bentonite + 0.2% HR-800 + 0.2% Halad-9 + 63.9% Fresh Water
	DV Tool at 4500ft					
	330	12.9	9.82	1.85	Lead	(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
	90	14.8	6.34	1.33	Tail	Class C Cement + 0.125 lbs/sack Poly-E-Flake + 63.5% Fresh Water
4-1/2" Production Liner	620	14.5	5.32	1.20	Tail	(50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.25% bwoc CFR-3 + 0.2% bwoc HR-601 + 2% bwoc Bentonite + 58.8% Fresh Water

TOC for all Strings:

7" Intermediate Casing

1<sup>st</sup> Stage = 4500ft

2<sup>nd</sup> Stage = 0ft

3850

4-1/2" Production Liner

8500ft

Notes:

- Cement volumes 7" Intermediate #2 40% on stage #1, 0% on stage #2 and Production Liner based on at least 25% excess.
- Actual cement volumes will be adjusted based on fluid caliper and caliper log data.

## Conditions of Approval

1. The minimum required fill of cement behind the 7 inch production casing is:

**Operator has proposed DV tool at depth of 4500', 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.**

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. **Additional cement may be required – excess calculates to 5%.**

b. Second stage above DV tool:

Cement should tie-back at least 500 feet into previous casing string. Operator shall provide method of verification.

2. The minimum required fill of cement behind the 4-1/2 inch production liner is:

Cement should tie-back to the top of the liner. Operator shall provide method of verification. **Additional cement may be required – excess calculates to 23%.**