

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 23 2013

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM012121
2. Name of Operator DEVON ENERGY PRODUCTION CO		6. If Indian, Allottee or Tribe Name
Contact: TRINA C COUCH Email: trina.couch@dmv.com		7. If Unit or CA/Agreement, Name and/or No. 891005247X
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-228-7203	8. Well Name and No. COTTON DRAW UNIT 167H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 25 T24S R31E NESW 2310FSL 2200FWL		9. API Well No. 30-015-41385-00-X1
		10. Field and Pool, or Exploratory PADUCA
		11. County or Parish, and State LEA 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 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 recompleate 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 recompleation 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 permission to pump a two stage cement job on our 9-5/8" cement. We would like to run a ECP packer below a DV tool which estimates to be set at 2,950' ft. A caliper log will be run once we reach TD to determine our final setting point for our packer and DV tool. Returns were lost while drilling this 12-1/4" section at 3,100 ft through the salt section of this well. TD for this interval will be at 4,460 ft. Location of the packer and DV tool will be verified by the caliper log, if the footage changes by more than 100 ft, we will notify the BLM, per instruction by Chris Walls on 7/16/2013 @ 1500 CST. Our new cement proposal is attached.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

Attachment:

Due to washout from 2670'-2904' operator wishes to set DV tool @ 2,635' (above washout). Jam 7/18/13

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

Electronic Submission #213795 verified by the BLM Well Information System

For DEVON ENERGY PRODUCTION CO LP, sent to the Hobbs

Committed to AFMSS for processing by WESLEY INGRAM on 07/18/2013 (13WWI0081SE)

Name (Printed/Typed) TRINA C COUCH

Title REGULATORY ASSOCIATE

Signature

(Electronic Submission)

Date 07/16/2013

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

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 Office of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #213795 that would not fit on the form

32. Additional remarks, continued

Cement Proposal

FLUID SPECIFICATIONS

STAGE NO. 1

Spacer

10.0 bbls Fresh Water @ 8.34 ppg

Spacer

50.0 bbls SealBond + 10 lbs/bbl SealBond Plus @ 8.75 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	481	/ 1.73	= 280 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.15% bwoc R-3 + 0.125 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 0.25% bwoc FL-52 + 1% bwoc Sodium Metasilicate + 89.6% Fresh Water
Tail Slurry	413	/ 1.38	= 300 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc Sodium Metasilicate + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 65.2% Fresh Water
Displacement			326.8 bbls Mud @ 10 ppg

CEMENT PROPERTIES

	<u>SLURRY NO.1</u>	<u>SLURRY NO.2</u>
Slurry Weight (ppg)	12.60	13.80
Slurry Yield (cf/sack)	1.73	1.38
Amount of Mix Water (gps)	8.81	6.41
Estimated Pumping Time - 70 BC (HH:MM)	4:30	2:30
Free Water (mls) @ 90 ° F @ 90 ° Angle	2.0	0.5
Fluid Loss (cc/30min) at 1000 psi and 90 ° F	300.0	200.0

COMPRESSIVE STRENGTH

17 hrs @ 90 ° F (psi)	500	
24 hrs @ 90 ° F (psi)	875	
72 hrs @ 90 ° F (psi)	1625	
7 hrs @ 112 ° F (psi)		500
24 hrs @ 112 ° F (psi)		1900
72 hrs @ 112 ° F (psi)		2700

FLUID SPECIFICATIONS (Continued)

STAGE NO. 2

Spacer

10.0 bbls Fresh Water @ 8.34 ppg

Lead Slurry 1454 / 1.66

= 880 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 3 lbs/sack LCM-1 + 0.25% bwoc FL-52 + 1.5% bwoc Sodium Metasilicate + 83.7% Fresh Water

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>
Tail Slurry	206	/ 1.38

AMOUNT AND TYPE OF CEMENT

= 150 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.1% bwoc Sodium Metasilicate + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 65.2% Fresh Water

Displacement

223.7 bbls Displacement

CEMENT PROPERTIES

	<u>SLURRY NO.1</u>	<u>SLURRY NO.2</u>
Slurry Weight (ppg)	12.80	13.80
Slurry Yield (cf/sack)	1.66	1.38
Amount of Mix Water (gps)	8.23	6.41
Estimated Pumping Time - 70 BC (HH:MM)	4:00	
Free Water (mls) @ ° F @ 90 ° Angle		
Fluid Loss (cc/30min) at 1000 psi and ° F		

COMPRESSIVE STRENGTH

17 hrs @ 90 ° F (psi)	500
24 hrs @ 90 ° F (psi)	875
72 hrs @ 90 ° F (psi)	1500

**Cotton Draw Unit 167H
30-015-41385
Devon Energy Production Co.
July 18, 2013
Conditions of Approval**

The original COAs still stand with the following drilling modifications:

1. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

Operator has proposed DV tool at depth of 2635'. Operator is to submit sundry if DV tool depth varies by more than 100' from approved depth.

- 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 to surface. If cement does not circulate, contact the appropriate BLM office.

JAM 071813