

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMNM89052

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.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
APACHE 25 FED 18H

2. Name of Operator

DEVON ENERGY PRODUCTION CO. LP

Contact: TRINA C COUCH

Email: trina.couch@devn.com

9. API Well No.

30-015-41395

3a. Address

DEVON ENERGY PRODUCTION CO. LP 333 WEST STREET
OKLAHOMA CITY, OK 73102-5015

3b. Phone No. (include area code)

918-246-2013 OKLAHOMA CITY, OK 73102-6811

10. Field and Pool, or Exploratory

LCS MEDANOS; BONE SPRING

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

Sec 25 T2S R30E 1080FNL 330FEL

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 recomple 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 recomple 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 to the cement program of the 9 5/8" casing string on this well. While drilling the intermediate interval, the hole started taking fluid at 750' and we are proposing to change the cement program from a single stage to a two stage job. Attached is the casing staging tool depth and cement details.

Accepted for record

NM/OCD JCS

9/13/2013

This interval should be TD'd on the afternoon of 9/9/2013

RECEIVED

SEP 13 2013

NM/OCD ARTESIA

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

Electronic Submission #219453 verified by the BLM Well Information System
For DEVON ENERGY PRODUCTION CO. LP, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 09/09/2013 ()

Name (Printed/Typed) TRINA C COUCH

Title REGULATORY ASSOCIATE

Signature (Electronic Submission)

Date 09/09/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

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

SEP 9 2013

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 **

Apache 25 Fed 18H: Intermediate Two Stage Sundry Details

13 3/8" Casing Depth:	520'
Depth at start of fluid loss:	750'
Proposed DV/ECP Setting Depth:	650'
Planned 9 5/8" Setting Depth:	3,870'
Required TOC:	Surface

Cement Excess Based on 75% over Nominal Hole and 5% in Cased Hole. Cement volumes will be increased if caliper/fluid caliper results indicate larger hole volumes are present.

Fluid 1: Lead Cement

ECONOCEM (TM) SYSTEM

5 % Salt (Salt)

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight	12.90 lbm/gal
Slurry Yield:	1.85 ft ³ /sk
Total Mixing Fluid:	9.81 Gal/sk
Top of Fluid:	2720 ft 650 ft
Calculated Fill:	650 ft 2720 ft
Volume:	63.5 bbl 265.5bbl
Calculated Sacks:	493 sks 808sks
Proposed Sacks:	200 sks 810sks

Fluid 2: Tail Cement

HALCEM (TM) SYSTEM

0.125 lbm/sk Poly-E-Flake (Lost Circulation Additive)

Fluid Weight	14.80 lbm/gal
Slurry Yield:	1.33 ft ³ /sk
Total Mixing Fluid:	6.32 Gal/sk
Top of Fluid:	3370 ft
Calculated Fill:	500 ft
Volume:	51.84 bbl
Calculated Sacks:	219.67 sks
Proposed Sacks:	220 sks

Multiple Stage Cementer

650 ft (MD)

Stage 2

Fluid 3: Tail Cement

HALCEM (TM) SYSTEM

Fluid Weight	14.80 lbm/gal
Slurry Yield:	1.33 ft ³ /sk
Total Mixing Fluid:	6.34 Gal/sk
Top of Fluid:	0 ft
Calculated Fill:	650 ft
Volume:	49.30 bbl
Calculated Sacks:	208.76 sks
Proposed Sacks:	210 sks

CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Devon Energy Production Company, L.P.
LEASE NO.:	NMNM-89052
WELL NAME & NO.:	Apache 25 Fed 18H
SURFACE HOLE FOOTAGE:	1080' FNL & 0330' FEL
BOTTOM HOLE FOOTAGE:	1980' FNL & 0330' FWL
LOCATION:	Section 25, T. 22 S., R 30 E., NMPM
COUNTY:	Eddy County, New Mexico
API:	30-015-41395

The COAs from the sundry approved 08/29/2013 still stand with the following 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 650'. Operator is to set DV tool a minimum of 50' below the 13-3/8" casing. Operator must receive approval 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 see B.1.a, c-d above. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to high cave/karst and R-111-P Potash. Excess calculates to 18% - Additional cement may be required.**

JAM 090913