

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.***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. NMNM0560290
2. Name of Operator DEVON ENERGY PRODUCTION CO		6. If Indian, Allottee or Tribe Name
Contact: ERIN L WORKMAN Email: ERIN.WORKMAN@DVN.COM		7. If Unit or CA/Agreement, Name and/or No. 891012391X
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970	8. Well Name and No. BURTON FLAT DEEP UNIT 49H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T21S R27E Lot 8 1825FNL 185FEL		9. API Well No. 30-015-40707-00-X1
		10. Field and Pool, or Exploratory E AVALON
		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
	<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 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 respectfully requests to modify the cementing program on the 12-1/4" hole section (2nd intermediate string) to incorporate a DV-Tool placed at 946'. 100% losses were encountered while drilling through the Capitan Reef.  
Please see attached word document for full details of the changes.

Attachment: BFDU 49H Modified Cement Program with DV-Tool

RECEIVED

APR 11 2013

SEE ATTACHED MODIFIED  
CONDITIONS OF APPROVALAccepted for record  
NMOC

AR Dale 4/5/2013

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #202883 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 03/28/2013 (13KMS5738SE)</b>	
Name (Printed/Typed) ERIN L WORKMAN	Title REGULATORY COMPLIANCE ASSOC.
Signature (Electronic Submission)	Date 03/27/2013

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS	Title PETROLEUM ENGINEER	Date 04/05/2013
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.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

Burton Flat Deep Unit 49H

Section 3- T21S – R27E

30-015-40707

03/27/13 (2 PAGES)

Modified Cement Program with DV-Tool

**Stage 1**

Fluid 1: Pump 20 bbl

Fresh Water

Fluid Volume: 20 bbl

Fluid 2: Lead with 425 sks

EconoCem – HLC

5 % Salt (Salt)

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

Fluid Weight 12.90 lbm/gal

Slurry Yield: 1.85 ft<sup>3</sup>/sk

Total Mixing Fluid: 9.81 Gal/sk

Volume: 139.73 bbl

Proposed Sacks: 425 sks

Fluid 3: Tail-in with 430 sks

HalCem – C

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

Fluid Weight 14.80 lbm/gal

Slurry Yield: 1.33 ft<sup>3</sup>/sk

Total Mixing Fluid: 6.32 Gal/sk

Volume: 101.48 bbl

Proposed Sacks: 430 sks

**DV Tool @ 946 ft (MD)**

**Stage 2**

Fluid 1: Pump 20 bbl

Fresh Water

Fluid Volume: 20 bbl

Fluid 2: Lead with 90 sks

EconoCem – HLC

5 % Salt (Salt)

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

Fluid Weight 12.90 lbm/gal

Slurry Yield: 1.85 ft<sup>3</sup>/sk

Total Mixing Fluid: 9.81 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 475 ft

Volume: 28.37 bbl

Calculated Sacks: 155 sks

Proposed Sacks: 155 sks

Fluid 3: Tail-in with 150 sks

HalCem – C

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

Fluid Weight 14.80 lbm/gal

Slurry Yield: 1.33 ft<sup>3</sup>/sk

Total Mixing Fluid: 6.32 Gal/sk

Top of Fluid: 475 ft

Calculated Fill: 500 ft

Volume: 34.60 bbl

Calculated Sacks: 146.63 sks

Proposed Sacks: 150 sks

Additional  
Cement may  
be required  
excess - 5%

**Burton Flat Deep Unit 49H**

**Section 3- T21S – R27E**

**30-015-40707**

**03/27/13 (2<sup>ND</sup> PAGE)**

**Original Cement APD'd Program**

Fluid 1: Pump 20 bbl

Fresh Water

Fluid Volume: 20 bbl

Fluid 2: Lead with 425 sks

EconoCem - HLC

5 % Salt (Salt)

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

Fluid Weight 12.90 lbm/gal

Slurry Yield: 1.85 ft<sup>3</sup>/sk

Total Mixing Fluid: 9.81 Gal/sk

Top of Fluid: 0 ft

Calculated Fill: 1750 ft

Volume: 138.63 bbl

Calculated Sacks: 421.64 sks

Proposed Sacks: 425 sks

Fluid 3: Tail-in with 430 sks

HalCem - C

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

Fluid Weight 14.80 lbm/gal

Slurry Yield: 1.33 ft<sup>3</sup>/sk

Total Mixing Fluid: 6.32 Gal/sk

Top of Fluid: 1750 ft

Calculated Fill: 1000 ft

Volume: 100.65 bbl

Calculated Sacks: 426.50 sks

Proposed Sacks: 430 sks

### Conditions of Approval

1. The minimum required fill of cement behind the **9-5/8** inch 2<sup>nd</sup> intermediate casing is:

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