

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: July 31, 1996

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 the reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Devon Energy Production Company, L.P. Attn: Diana Booher

3a. Address

3b. Phone No. (include area code)

20 North Broadway, Suite 1500, OKC, OK 73102

{405} 552-4734

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

1465' FNL & 1310' FWL SW 1/4, NW 1/4, Sec. 7, T 31N R. 6W

Latitude **36.5502**

Longitude **107.3032**

5. Lease Serial No.

SF-078988

6. If Indian, Allottee, or Tribe Name

7. If Unit or CA. Agreement Designation

Northeast Blanco Unit

8. Well Name and No.

NEBU 319M

9. API Well No.

30-045-31090

10. Field and Pool, or Exploratory Area

Blanco Mesaverde Basin Dakota

11. County or Parish, State

San Juan

NM

12. CHECK APPROPRIATE BOX(S) 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"/> Altering 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 casing and cement program.
	<input checked="" 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 recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required susequnet reports shqll be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in anew interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached is revised casing and cement design for the approved application for permit to drill.

2002 AUG 12 11 12 AM
BLM

14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed) Diana Booher		Title Operations Engineering Associate	
Signature <i>Diana Booher</i>		Date <i>August 9, 2002</i>	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE			
Approved by <i>Chip Haraden</i>		Title <i>PMT-Acting Team Lead</i>	Date <i>8/12/02</i>
Conditions of approval, if any are attached. Approval of this notice does not warrant of Office 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. FFO			
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, ficti or fraudulent statements or representations as to any matter within its jurisdiction.			

(Instructions on reverse)

MOCD

REVISED CEMENT DESIGN - NEBU #319M

Casing

9-5/8" Surface cemented in a 12-1/4" Hole at 250 ft.

32.3 # H-40 ST&C 8 Rnd

Baffle Plate

Saw Tooth Guide Shoe

1 Centralizer per joint on bottom 3 joints and on sawtooth.

Pressure test casing and BOPE to 1500 psi for 30 minutes.

7" Intermediate cemented in a 8-3/4" hole. This string will be 50 - 100 feet into the Lewis formation.

23# J-55 LT&C 8 Rnd

Float Collar

Joint

Float Shoe

Float equipment is large port, auto fill.

1 Centralizer per joint on bottom 3 joints

1 Centralizer every third joint to 2400'.

4-1/2" Production cemented in a 6-1/4" hole. This string will be above the Burro Canyon-Dakota sand.

11.6# J-55 LT&C 8 Rnd (91 Joints)

10' Marker Joint

11.6# J-55 LT&C 8 Rnd (92 Joints)

Float Collar

Single Joint

Float Shoe

1 Centralizer per joint on bottom 3 joints

Additional centralizers per cement design

Cement

9-5/8" Surface

Cmt'd with 200 sx CI B mixed at 15.6 ppg w/ .25 pps celloflake, 2% calicum chloride

Cement yield = 1.19 ft³/sx

Circulate hole on rig pump with Mud for 30 minutes at 5 BPM

Preflush with 20 BBLs fresh water

Pump cement at 4-5 BPM

Drop plug and displace with water

Wait on Cement time prior to drilling out is 8 hours

7" Intermediate

Lead: 320 sx 50 /50 Poz Cement at 13 lb/gal, 1.44 ft³/sx [BASE SLURRY PRIOR TO FOAMING]

FOAMED SLURRY 9 lb/gal, 2.18 ft³/sx , with 266 scf/bbl N2

48 hr foam crush strength = 525 psi

Circulate hole on rig pump with mud and LCM pills for 1 hour at 5-6 BPM

Preflush with 10 mix water, 20 BBL Super Flush 101, 10 BBL mix water at 5 BPM

Pump cement at 4-5 BPM MAXIMUM RATE IS 5 BPM

Tail: 70 sx 50 /50 Poz Cement at 13 lb/gal, 1.44 ft³/sx

Pump cement at 4-5 BPM MAXIMUM RATE IS 5 BPM

Top out Cement 100 sx Class "B" Cement at 15.6 lb/gal, 1.19 ft³/sx

REVISED CEMENT DESIGN - NEBU #319M

4-1/2" Production

Stage 1: 150 sx 50 /50 Poz Cement at 13 lb/gal, 1.44 ft³/sx [BASE SLURRY PRIOR TO FOAMING]
FOAMED SLURRY 9 lb/gal, 2.14 ft³/sx , with start 195 end 332 scf/bbl N2
48 hr foam crush strength = 795 psi
Pump cement at 3 BPM
Design Top surf Bottom 4200'

Stage 2: 70 sx 50 /50 Poz Cement at 13 lb/gal, 1.44 ft³/sx [BASE SLURRY PRIOR TO FOAMING]
FOAMED SLURRY 10 lb/gal, 1.98 ft³/sx , with start 221 end 271 scf/bbl N2
48 hr foam crush strength = 965 psi
Pump cement at 3 BPM
Design Top 4200' Bottom 4800'

Tail: 290 sx 50 /50 Poz Cement at 13 lb/gal, 1.44 ft³/sx
Pump cement at 3 BPM

Top Out Cement: 20 sx 50 /50 Poz Cement at 13 lb/gal, 1.44 ft³/sx
Top out cement pumped when cement circ to surf.
Actual cement volumes and stage design will vary with hole conditions