

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1007-0182
Expires: July 31, 2003

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



2. Name of Operator

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

3a. Address

20 North Broadway, Suite 1500, OKC, OK 73102

3b. Phone No. (include area code)

(405) 362-4734

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

1777' FNL & 1375' FWL SE 1/4, NW 1/4, Sec. 19, T 31N R. 6W

Latitude **36.5315**

Longitude **107.3031**

5. Lease Serial No.

SF-0785

6. If Indian, Allottee, or Tribe

7. If Unit or CA Agreement

Northeast Black Unit

8. Well Name and No.

NEL 023

9. API Well No.

30-045-0

10. Field and Pool, or Exploration

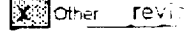
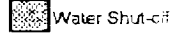
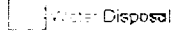
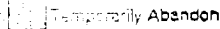
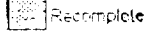
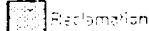
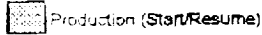
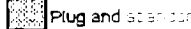
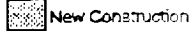
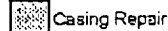
Blanco Mesaverde in Dakota

11. County or Parish, State

San Juan NM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR DATA

TYPE OF SUBMISSION



cement design

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate completion date. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent details. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM. Required subsequent reports shall be filed 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 following completion of the involved operations. Final Abandonment Notice shall be filed only after all required operations, have been completed, and determined that the site is ready for final inspection.)

Attached please find the new casing and cement design for the approved application for permit.

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Diana Booher

Title

Operations Engineering Ass.

Signature

Diana Booher

Date

7/1/02

THIS SPACE FOR FEDERAL

Approved by

/s/ Jim Lovato

Title

JUL - 8

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.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any statement or agency of the United States or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NEC 30

REVISED CASING AND CEMENT DESIGN - NEBU #323**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 cemented to 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 2100'

4-1/2" Production cemented in a 6-1/4" hole. This string will be at the top of the Burro Canyon-Dakota sand.
 11.6# J-55 LT&C 8 Rnd (134 Joints)
 10' Marker Joint
 11.6# J-55 LT&C 8 Rnd (70 Joints)
 Float Collar
 Single Joint
 Float Shoe

1 Centralizer per joint on bottom 3 joints
 1 Centralizer every fourth joint to 5000'

Cement**9-5/8" Surface**

Cmt'd with 200 sx CI B mixed at 15.6 ppg w/ .25 pps calcium 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
 FOAMED SLURRY 9 lb/gal, 2.18 ft³/sx
 48 hr foam crush strength = 525 psi
 Circulate hole on rig pump with mud and cement for 1 hour at 5-6 BPM
 Preflush with 10 mix water, 20 BBL Superfoam, 10 BBL mix water at 5 BPM
 Pump cement at 4-5 BPM MAXIMUM RATE 100 GPM

Tail: 70 sx 50 /50 Poz Cement at 13 lb/gal, 1.44 ft³/sx
 Pump cement at 4-5 BPM MAXIMUM RATE 100 GPM

Top out Cement: 100 sx Class "B" Cement at 15.6 ppg, 1.19 ft³/sx

REVISED CASING AND CEMENT DESIGN - NEBU #323

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 100 lb/bbl 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 100 lb/bbl 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

Actual cement volumes and stage design will vary with field conditions