

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, deepen or reentry to a different reservoir.

Use 'APPLICATION FOR PERMIT' for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: oil well gas well **X** other  
2. Name of Operator: **Devon Energy Corporation**  
3. Address of Operator: **3300 N. Butler Avenue, Suite 211, Farmington, NM 87401**  
4. Location of Well: (Footage, Sec., T., R., M., or Survey Description)

**920' FSL, 860' FEL - Section 8, T30N, R7W**

5. Lease Designation and Serial No.

**SF - 079042**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agmt. Design.

**Northeast Blanco Unit**

8. Well Name and No.:

**N.E.B.U. #309**

9. API Well No.:

**30-039-25312**

10. Field & Pool/Exploratory Area:

**Pictured Cliffs**

11. County or Parish, State:

**Rio Arriba, New Mexico**

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

TYPE OF SUBMISSION

☐ Notice of Intent

**X** Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other:

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Six - intermediate 9 5/8" P&A designed cement plugs were placed in the NEBU #309 Dakota well beginning on 1/6/2000 before discovering the 7" production casing had not been removed when well was re-completed in the Pictured Cliffs Formation on 1/23/95. Re design of the P&A procedure was necessary to determine the presence of cement in the 7"x 9 5/8" intermediate annulus. On 1/7/00 before discovering 7" casing was still in place, 10 sxs of cement was mistakenly squeezed into the 7" x 9 5/8" intermediate annulus at the surface. Five of the six P&A plugs that were set as per BLM P&A guidelines were drilled out to a PBTD 2896'. Top of the Fruitland Formation at 2864'. The PC first (deepest) plug was not drilled out and is described below.

1/6/00 Rigged up A-Plus Rig #6. ND wellhead and NU BOP. POOH with 2 3/8" tubing and tallied. 1/7/00: TIH with tubing and tagged fill at 3336'. Pumped 35 bbls of fresh water, broke circulation. Mixed 112 sxs Class B cement w/2% CaCl2 and spot balanced plug in 7" casing and across PC perforations from 3323' to 2873'. WOC. Pressure tested plug to 1000 psig for 5 minutes. Witnessed and approved by BLM Rep. Herman Lujan.

See attachment for P&A completed operations (continued).

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

Signed: James K. Abbey JAMES K. ABBEY

Title: **PRODUCTION ENGINEER**

Date: 2-1-00

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

**ACCEPTED FOR RECORD**

Title 18 U.S.C. Section 1001, makes 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.

**FB 04 2000**

FARMINGTON FIELD OFFICE  
BY SW

NMOGD

**Northeast Blanco Unit #309**  
**P&A Completed Operations**  
**Sundry Attachment for Subsequent Report**

200 550 -D 01 12: 50

070 0000000000000000

Thursday, January 27, 2000

**Well**

**Information:** NEBU #309

Legal Location: 920 FSL, 860 FEL, Sec. 8, T30N, R7W  
Rio Arriba County, New Mexico

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**309 P&A Completed Operations continued from first page of Sundry**

Bradenhead pressure was zero at the beginning of cement plug drill out operations on 1/10/00. The intermediate had 2 psig. On 1/19/00 after drilling out 5 plugs down to the top of the Fruitland, it was discovered the bradenhead had 4 psig and the intermediate had 9 psig. Bradenhead and intermediate pressure were monitored each day before beginning replugging operations starting on 1/20/00.

**Fruitland Top.**

The drilling out of 7" cement plugs commenced 1/10/00 and ended on 1/20/00. Tagged PBTD @ 2896' with bit, scraper and tubing. POOH with bit, scraper and tubing.

Replugging operations began on 1/20/00. PBTD at 2896'. Bradenhead and intermediate valves were left open over night. No pressure readings available. Pressure tested 7" casing to 1000 psig. Pressure test held. RIH with 1 9/16" decentralized perforating gun and tagged TD at 2896'. Logged several 7" collars. Perforated with 5 (shots) RTG-1562-453 circulating charge(s). Top perf at 2870' and bottom perf at 2872'. Monitored 7" x 9 5/8" annulus, no change. Pumped 7.5 bbls of fresh water into 7" csg. Pressured up to 1400 psig. Pressure did not bleed off. No injection rate possible. SDFN.

1/21/00: Bradenhead 49 psig, blew down in 20 seconds. Intermediate 65 psig, blew down immediately. RU wireline and RIH with 1 9/16" decentralized gun and logged 7" collars. Perforated with 5 (shots) RTG-1562-453 circulating charge(s). Top perf at 2770' and bottom perf at 2772'. POOH w/ wireline. RIH with 7" tubing. Set retainer @ 2816' between upper and lower set of perforations. PT 2 7/8" tubing to 1400 psig, OK. Pressured 7" casing below retainer to 1800 psig. No injection rate. Pressure held for 5 minutes. Monitored 7" x 9 5/8" annulus, no change. Bled off pressure and pulled stinger out of retainer. Pressure response indicated the presence of cement in 7" x 9 5/8" annulus. Mixed 28 sxs of Class B neat cement. Set balanced cement plug from top of retainer @ 2816' to 2666'. TOOH with tubing. Operations continued with next paragraph.

**Kirtland and Ojo Alamo Top.**

1/21/00: RU wireline and RIH with 1 9/16" decentralized gun and logged several 7" collars. Perforated with 5 (shots) RTG-1562-453 circulating charge(s). Top perf at 2328' and bottom perf at 2330'. POOH with wireline. Pressure tested 7" casing to 1400 psig, held for 5 minutes. Monitored 7" x 9 5/8" annulus, no change. No injection rate possible. Bled off pressure. RU wireline and RIH with 1 9/16" decentralized gun and logged several 7" collars. Perforated with 5 (shots) RTG-1562-453 circulating charge(s). Top perf at 2023' and bottom perf at 2025'. POOH with wireline.

RIH with 7" tubing. Set retainer @ 2282' between upper and lower set of perforations. PT 2 7/8" tubing to 1800 psig, OK. Pressured 7" casing below retainer to 1800 psig. No injection rate. Pressure held for 5 minutes. Monitored 7" x 9 5/8" annulus, no change. Bled off pressure and pulled stinger out of retainer. Attempted to inject into perfs at 2025'. Pressured 7" csg above retainer to 1400 psig. No injection rate and the 7" x 9 5/8" annulus had no change. Pressures response indicated the presence of cement in 7" x 9 5/8" annulus. Mixed 57 sxs of Class B neat cement. Set balanced cement plug from top of retainer @ 2282' to 1977'. TOOH with tubing. BLM representative present during all operations. Continued plugging operations on 1/22/00.

Nacimiento and 13 3/8" Casing Shoe Interval.

1/22/00: Bradenhead pressure was 47 psig. Blew down in 15 seconds. Intermediate was 36 psig and blew down immediately. RU wireline and RIH with 1 9/16" decentralized gun and logged several 7" collars. Perforated with 5 (shots) RTG-1562-453 circulating charge(s). Top perf at 736' and bottom perf at 738'. POOH with wireline. Attempted to establish injection rate. Pumped 3 bbls of fresh water down 7" @ 1000 psig. There was a slight blow out the 7"x 9 5/8" annulus. Pressured 7" csg to 2000 psig, no injection rate possible, however there continued to be a slight blow between 7"x 9 5/8" annulus at the surface. Attempted to reverse circulate down 7"x 9 5/8" annulus and up 2 7/8" tubing. Pressured up 1000 psig, pressure bled off slowly, no injection rate possible. RU wireline and RIH with 1 9/16" decentralized gun and logged several 7" collars. Perforated with 5 (shots) RTG-1562-453 circulating charge(s). Top perf at 341' and bottom perf at 343'. POOH with wireline.

RIH with 7" tubing. Set retainer @ 695' between upper and lower set of perforations. PT 2 7/8" tubing to 1400 psig, OK. Stung out of retainer and then back into retainer. Pumped into 7" below retainer to establish circulation between perms @ 733' and 343'. Pumped 3 bpm at 250 psig and maintained circulation at the surface. Pumped a total of 66 sxs of Class B neat cement below retainer. Of the 66 sxs pumped, 58 sxs accounted for the annular volume between 7"x 9 5/8" csg and 8 sxs from the bottom set of perforations to the bottom of 7" cement retainer. Displaced cement with 4 bbls of fresh water. Maintained good circulation during cement job. Pulled out of retainer with tubing and stinger. Mixed 85 sxs of Class B neat cement. Set balanced cement plug from top of retainer @ 695' to 241'. TOO H with tubing. Pressured up 7" casing to 400 psig, held pressure for 1 hour. Bled 7" casing to zero. Shut in all casing valves. Shut down for weekend. BLM representative present during all operations.

Surface Plug and Grout Job.

1/24/00 Bradenhead pressure was 48 psig. Blew down in 30 seconds through 1/4" bushing. Intermediate and 7" casing had zero psig. Attempted injection rate down 13 3/8"x 9 5/8" bradenhead. Pumped 3.5 bbls of water at zero pressure before bradenhead pressured up to 1200 psig. No injection rate possible. RIH with three joints of tubing. Mixed 30 sxs of Class B neat cement. Set balanced cement plug from 93' to surface. POOH with tubing.

Cut all casing strings off at 4'5" below ground level and removed wellhead. No cement between 13 3/8" and 9 5/8" pipe at surface. RIH to 92' with 1/2" steel line pipe. Welded each 1/2" connection. Tagged @ 90' a soft-top of mud and possible cement from original 9 5/8" two stage primary cement job. Could not force 1/2" past this point. Broke circulation with water. Grouted 13 3/8" x 9 5/8" annulus with 28 sxs of Class B cement, slowly pumped cement. Circulated 1/4 bbl of good cement. Pulled 1/2" grout line out of annulus. Could not grout 9 5/8"x 7" annulus due to previous 10 sxs of cement squeezed on 1/7/00. Welded a 3/4" steel plate on top of 13 3/8" surface casing. Installed P&A marker and backfilled wellhead work area. Rigged down A-Plus Rig #6 and cut off rig anchors. P&A complete except surface restoration. BLM representative present during cementing operations.