Form 3160-5 \*(December 1989)

Approved by\_\_\_\_

Conditions of approval, if any:

## **UNITED STATES** DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED Budget Bureau No. 1004-0135

Expires: September 30, 1990

## 5. Lease Designation and Serial No. SF - 078615

## SUNDRY NOTICES AND REPORTS ON WELLS

7. If Unit or CA, Agmt. Design.:  Northeast Blanco Unit  8. Well Name and No.:  N.E.B.U. #103  9. API Well No.:  30-045-09278  10. Field & Pool/Exploratory Area:  Mesa Verde  11. County or Parish, State:  San Juan, New Mexico  PREPORT, OR OTHER DATA  TYPE OF ACTION  ent  Change of Plans  ion  New Construction  ack  Non-Routine Fracturing  water Shut-Off  asing  Conversion to Injection  Report results of multiple completion on Well  tion or Recompletion Report and Log form.)
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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## Northeast Blanco Unit #103 API No.: 30-045-09278 1090' FSL & 1550' FWL, Sec. 24, T30N, R8W

On 8/14/2002 work commenced on the 103 to return well to production. The 5 ½" AD-1 pkr was removed from the well bore. Recovered a 2-3/8 tbg fish from wellbore. Set CIBP @ 4710'. Run CBL and TDT log. Evaluate CMT and proceed to sqz well after review by BLM.

8/21/2002-8/25/2002—Sufficiently cover zones outside of 7" w/ CMT. Shoot sqz holes @ 3975'. SQZ though retainer @ 3910' w/ 100 sx "B" CMT @ 15.5 #. Shoot sqz holes @3030' and SQZ through PKR @ 2900' w/ 50 sx "b" CMT @ 15.6#. Shoot sqz holes @ 2300' and est circulation through perf holes @ 2300' and csg holes @ 1326'. Circulate SQZ through retainer @ 2260' from 2300'-1326' w/ 176 sx "B" cmt w/ 2% CACL. Circulate through out job. Spot 8 bbls of CMT on retainer @ 2260'—left 2 bbls CMT above csg hole @ 1326'.

8/26/2002-9/1/2002--Tag CMT @ 2145'. Found holes w/ PKR @ 1330' to 1360' and holes @ 1877'-1893'. Set retainer @ 1830'. Could not pump into retainer. SQZ through PKR @ 1200' w/ 100 sx "B" CMT @ 15.6#. Top of CMT @ 1275'. Tag CMT top @ 1275'. Drill out CMT and Retainers to BTM of CMT @ 4085'. Clean out to CIBP @ 4710'.

9/1/2002—Run 5 ½" , 17 # J-55 CSG from surface to 5 ½ liner top @ 4612' CMT from 4612' to SFC w/ 250 sxs 50/50 POZ w/ 3% GEL, .8% HALAD, 9-5# GILSONITE, ½ # per sx FLOCELE, .2 % CFR 3.65. Circulate 12 BBLS CMT to SFC. WOC

9/4/2002—Cut off 5 ½" CSG @ SFC, mix 35 gal CMT and fill between 5 ½" CSG and 7" CSG. DO CMT and clean well bore to CIBP @ 4710'.

9/9/2002-9/10/2002--Perforate Navajo City @ 3826'-4219' w/ 30 holes using a select fire perforating system. Breakdown perfs w/1300 gal 15% HCL. Breakdown @ 1965 psi. Fracture stimulate perforations w/ 191,885 pounds 20/40 Brady sand, 1,137,456 scf 70 quality foam, and 1,138 bbls KCL. Average BTM hole treating rate of 35.30 BPM w/ average treating pressure of 1953 psi, max pressure of 2588 in 3 stages (1 PPG, 2 PPG and 3 PPG). ISIP of 1620 psi.

9/9/2002-9/26/2002—Land 2 3/8" tbg in well @ 5298'. Flowback and swab frac and produced fluids. Evaluate well for production. Swab in 885 bbls fluid.

10/7/2002-10/16/2002—Isolate water production by utilizing plug and pkr. Set  $5\frac{1}{2}$ " CMT retainer @ 5201' to cover perfs from 5260' to 5360'. Set  $5\frac{1}{2}$ " CMT retainer @ 5012' to cover perfs from 5020'-5040'. Landed 2 3/8" tbg @ 5004'. Swab well to evaluate production.

10/18/2002—Set 5 ½" CMT retainer @ 4760' to cover perfs from 4820-5000'. All perfs in this interval covered. Land 2 3/8" tbg @ 4200'. Swab well to evaluate production.

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