Item 13 - Completion Procedure Pioneer Federal Com No. 1 Page 8

- 08/15/91 Flowed well thru portatle test unit down sales line for 3 hrs on 10/64" chk @ rate of 2 8 MMCFD w/3900 psig tbg holding 700 psig back pressure. Increased to 12/64" chk, flowed 6 hrs @ rate of 4.0 MMCFD w/3800 psig tbg holding 700 psig back pressure. Decreased chk to 10/64* & flowed 3 hrs @ rate of 2.8 MMCFD w/3900 psig tbg holding 700 psig back pressure. Well produced 4.7 BW & 4.7 bbls condensate. Took gas sample, having analyzed.
- 08/16/91 Flowed well 24 hrs three postable test unit down sales line @ avg rate of 2.8 MMCFPD on _0/64" bhk holding 700 psig back pressure w/tbg pressure of 3800 psig. Well produced 13.5 bbls condensate & 1 BW. Total liquid produced 14.2 bbls condensate & 5.7 BW. Ran dew point - showed 10#.
- C8/17/91 Flowed well thru portable test unit down sales line 17 hrs on 10/64" chk @ rate of 1.787 MMCFD x/3750 psig tbg, holding 720 psig back pressure. Increased chk size to 15/64". Flowed for 7 hrs @ avg 4.8 MMCFD. Tbg pressure decreased f/3750 to 3300 psig. Rate dropped f/4.983 to 4.605 MMCFD holding 740 psig back pressure on tester 740 psig. Well produced 16.4 bbls of condensate & .5 BW. Annulus pressure has built to 820 psig. Bled pressure off. No liquid on bleed down.
- 08/18/91 Well produced thru portable test unit down sales line for 21 hrs on 15/64" chk @ avg rate of 4.5 MMCFD. Rate dropped f/4.605 MMCFD & TP 3300 to 4.400 MMCFD & TP 3200. Increased chk size to 16/64" & flowed well 1 hrs @ rate of 4.7 MMCFD w/3150 TP. Well produced 24.4 BC & 1 FW ir 24 hrs. Csg pressure build up over 24 hrs 340 psig. Blet anrulus psi off.
- 08/19/91 Flowed well thru portable test unit down sales line for 10 hrs on 16/64" chk @ avg rate of 4.6 MMCFD. Tbg psi 3050 holding 735# back pressure. Decreased chk size to 15/64" & flowed 14 hrs @ avg rate of 4.5 MMCFD w/3020 tbg psi holding 720# back pressure. Well produced 35 bbls condensate & 4.8 BW in 24 hrs. Liquid increased on chk change to 16/64", reason for cutting back to 15/64" chk. Annulus pressure averaging 10-20#/hr buildup. Keeping pressure bled off.
- 08/20/91 Flowed well thru portable test unit down sales line for 17 1/2 hrs on 15/64" chk. Ang rate 4.3 MMCFD holding 720# BP w/3000 TP. Well produced 20 bbls condensate & 0 BW. SWI @ 10:30 am for buildup prior to sunning 4 point.

08/21/91 SI prior to running 2 pt.