

October 27, 1990 continued:

with 1000 gallons 15% HCL foamed acid , 20 barrels 2% KCl water and 95,000 SCF N2 as follows:

Pumped 20 barrels foamed water pad, SITP 1350 psig, CP 60 psig.
Pumped 10,000 SCF N2 pad. TP 1360 psig, CP 146 psig.
Pumped 1000 gallons Foamed 15% HCL acid, 1750 tubing and 340 psig casing pressure to 1970 psig tubing and 740 psig casing at 2.0 BPM acid + 2000 SCF/N2.
with 9.0 bbls pumped, TP 1750 psig, CP 350 psig.
with 13.0 bbls pumped, TP 1800 psig, CP 420 psig
with 20.0 bbls pumped, TP 1950 psig, CP 630 psig
with 24.0 bbls pumped, TP 1880 psig, CP 750 psig
Displaced with 13,500 SCF N2/10 minutes at 1880 psig - 1890 psig Tubing and 750 - 910 psig casing.
Pumped 15,000 SCF N2 down casing/12 minutes at 1980 psig tubing and 1220 psig casing.
ISIP - 1950 psig tubing and 1250 psig casing. 5 minute SIP 1900 psig tubing 1210 psig casing.

Rig down Halliburton and rig up flowline, 30 minute SITP 1780 psig, CP 150 psig. Flow well to pit for 2 hours, TP -0- psig, CP 660 psig, had show of gas in 60 minutes and continuous flare in 90 minutes. Made 2 swab runs and well flowed for 1 hour, CP 530 psig. Made 2 swab runs, final fluid level 4600' and scattered. Recovered estimated 1 barrel water on last run, CP 465 psig. Shut down at 5:00 PM.

October 28, 1990:

PBTD 6031' K.B. Shut down for Sunday.

October 29, 1990:

40 hour SITP 150 psig, CP 1120 psig. Open well and blow down tubing. Made 1 swab run, initial fluid level 3100' from surface, recovered estimated 4 barrels water, CP 1040 psig. Flowed for 2 hours on 12/64" choke, last 30 minutes CP 820 psig. Made 1 swab run, fluid level at 3000' scattered. Recovered 3 barrels water, CP 780 psig, Flowed 1 hour on 12/64" choke, CP 780 psig. Made 1 swab run, fluid level at 600' scattered. Recovered estimated 3 barrels water, CP 710 psig. Flowed 2 hours on 32/64" choke, CP 570 psig. Made 1 swab run, fluid level at 4000' scattered. Recovered estimated 2 barrels of water, CP 520 psig. Flowed 15 minutes on 32/64" choke. CP 520 psig, dropped 2 soap sticks and SI at 4:30 PM.

October 30, 1990:

PBTD at 6031' K.B. 15 hour SITP 335 psig. CP 875 psig. Open well to pit on 48/64" choke, flowed 15 minutes at 330 psig - 120 psig TP and 840 psig - 800 psig CP. Set on 32/64" choke and flowed 1 hour with 280 - 100 psig TP and 750 - 635 psig CP. Drop 2 soap sticks. Shut in and rig up to flowline. Open to flowline 15 minutes. TP 235 - 170 psig, CP 610 - 620 psig. Did not unload water. Shut in and rig down at 12:00 noon.