

45 AM '67

RED HILLS UNIT #2

Chronological Detail

- 2-26-67 through 3-3-67 - Rigged up unit, pressured up on PSI nipple set in permanent packer at 14,270' with 1500#, held OK, dumped 300# sand and 2 sacks cement on top of PSI nipple to complete temporary abandonment of Penn. zone, top of cement at 14,217'. Set bridge plug at 14,018', set Baker Model "FA" packer in 5" casing at 12,890' and Model "F" packer in 7-5/8" casing at 12,776'. Ran 12,760' 2-7/8" 7.9# and 9.5# Hydril tubing, landed in packer, installed Xmas tree, perforated Wolfcamp zone through 5" casing with 2 shots at 13,424', 13,468', 13,482', 13,507', 13,520', 13,552', 13,569', 13,586', 13,604', 13,617', 13,625', and 13,642'. Tubing pressure after perforating increased to 3200#. Opened well on 1" choke, pressure dropped to zero in 2 minutes.
- 3-4-67 through 3-6-67 - Attempted flowing Wolfcamp zone by pressuring up and opening well, S.I. pressure built up to 600#, flowed 30 to 40 MCFD for 30 minutes to 1 hour and died.
- 3-7-67 through 3-9-67 - Acidized Wolfcamp perforations 13,642' to 13,424' with 750 gallons mud acid with additives and 10,300 SCF nitrogen, maximum pressure 7200#, opened well on 1" choke, flowed acid water and gas at rate of 95 MCFD and died after 1 to 2 hours flowing.
- 3-10-67 - Acidized Wolfcamp perforations 13,642' to 13,424' with 15,000 gallons HFA acid, 30 ball sealers, and 128,200 SCF nitrogen in 10 stages, maximum pressure 9600#, flushed with 70 barrels fresh water, opened on 1" choke, flowed fresh water and acid water and gas at rate of 7.5 MMCFD, tubing pressure 1700#.
- 3-11-67 - Flowed Wolfcamp zone 11 hours to pit to clean up and then through separator on 1" choke at rate of 10.81 MMCFD and 298 barrels per day of condensate and acid water, 13 hours flowed through separator on 30/64" choke at rate of 10.2 MMCFD and 250 barrels per day of 62 gravity condensate, flowing tubing pressure 2000#.
- 3-12-67 - Flowing Wolfcamp zone through line heater and separator on 30/64" choke at rate of 10.2 MMCFD and 265 barrels per day of 62.8 gravity condensate, flowing pressure 2000#, choked well down at rate of 8.25 MMCFD and 199 barrels per day of condensate, flowing pressure 4750#. Shut well in, S.I. tubing pressure 7300#. Well shut in pending installation of permanent separation equipment prior to taking four-point test.