

Well History and Recommendation

Plug and Abandon - Phillips Hooper No. 1

Phillips Hooper No. 1, located 660' FSL and 1980' FEL of Section 27, Township 20 South, Range 37 East, is incapable of further production from the Eumont Gas zone and is now shut in. The following is a brief history of the well and a recommendation to plug and abandon.

Initial Completion Data

Date Completed:	5-1-53
Total Depth:	3828', PB 3670'
Casing:	5 1/2" @ 3685'
Completion Interval:	3502-3606' (Queen)
Treatment:	2000 gallons acid
Initial Potential:	4507 MCFPD

Previous Remedial Work

December, 1973

Cleaned out fill to 3615' and treated with 500 gallons of acid. There was no increase in producing rate.

September, 1976

To shut off a strong surface waterflow, cement was pumped down the 5 1/2" - 8 5/8" casing annulus. Production tubing was rerun, with a packer set at 3481'. The well swabbed dry. The surface waterflow was eliminated, but gas production could not be regained.

Discussion:

Phillips Hooper No. 1 has recovered 2,603,061 MCF gas from the Penrose zone of the Queen formation and was producing slightly over 100 MCFPD just prior to developing a strong surface waterflow and being shut in. It was necessary to kill the well with treated fresh water to make the required repairs. The waterflow was eliminated after squeezing cement behind the 5 1/2" casing. The production tubing was rerun with a packer set above the producing perforations, and the well swabbed dry. However, gas production could not be re-established by continual swabbing.