

Well History and Recommendation

Plug and abandon SEMU Eumont No. 69

The SEMU Eumont No. 69 has depleted all gas reserves in its current zone of completion and no further remedial or recompletion possibilities exist. Since there is no further need for the well bore, it is recommended that the well be plugged and abandoned.

Initial Completion

Location: 1980' FN&WL, Sec. 24-T20S-R37E, Lea County, N. M.
Date Completed: June 11, 1959
Elevation: 3540' G. L.
Total Depth: 3762' PBD
Casing: 8 5/8" @ 316' and circulated, 5 1/2" @ 3949' w/1400 sacks
Producing Interval: 3620' - 3747'
I. P.: 1120 MCFGPD
Treatment: Natural

Previous Remedial Work

August, 1973: 25' of fill was cleaned out of the hole. The well was then swabbed dry and would not flow.

Present Status

This well was shut in on 9-1-71 because of an uneconomic production rate. A 6-29-77 BHP survey recorded a SLP of 590 psig with 1100' of water in the hole. Cumulative production is 910,710 MCFG.

Discussion

SEMU Eumont No. 69 is located along the extreme eastern edge of the Eumont Gas Pool. The Penrose Sand is the main pay zone and it pinches out and grades to shale and anhydrite on the eastern edge of the field. Porosity and permeability also decrease from west to east. This well has had a low producing capacity during most of its life and has depleted its economically recoverable reserves.

Stimulation is not recommended because the water in the hole is believed to be coming from injection in the offsetting Skaggs Pool Waterflood. An injectivity profile on SEMU Permian No. 35, an east offset, indicates that 50% of its injected water is entering the lower