

market outlet for this low BTU (470/ft<sup>3</sup>), high nitrogen content (68%) gas. Approximately one year ago, Kennedy Engineering Company offered us a gas purchase contract for the Queen gas reserves in this well. They were interested in extending their Chala gas gathering system into this area if they could find sufficient reserves and daily producing rate.

In April 1976, we attempted to run a flow test and re-determine the producing potential, but were unable to establish gas flow. We drilled out a salt bridge that had formed during shut-in, reperforated and swabbed tested. The well swabbed dry and had no measurable gas flow. A shut-in bottom hole pressure of 240 psi was measured from build-up data. The initial bottom hole pressure was 790 psi, so it appears that the Means No. 1 has been depleted by six years of production withdrawals in the nearby oil rim area. The depleted condition of the Queen reservoir makes further remedial work unattractive.

We can find no deepening or recompletion possibilities for this well and do not need the well bore for salt water disposal service.

This is not the last well on the Means lease. There are two producing Queen oil wells averaging 8-10 BOPD.

#### Recommendation

Since all economic gas reserves have been depleted and no further use can be seen for this well bore, it is recommended that the W. R. Means No. 1 be plugged and abandoned.

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