

PRODUCTION TEST

June 6, 1960 through June 8, 1960

Miller No. A-1 Federal
NE 1/4 Sec. 13, Twp. 24 N.,
R. 7 W., N.M.P.M.

Well Full

Both sides shut in at 3:15 p.m. June 6, 1960. Laid lines to flow Dakota through low pressure separator and Gallup through high pressure separator. Sixteen hour SIP: Dakota 2100#; Gallup tubing pressure 1550#, casing pressure 1600#. Tested and changed flow lines, connected test equipment.

Started flow test at 11:30 A.M. June 7, 1960. Shut in from 1:30 P.M. to 3:00 P.M. to dig burn pit. Resumed flow test at 3:00 P.M. June 7, 1960.

RESULTS

GALLUP

Produced 151 bbls of load oil in 24-hour period for average rate of 6 1/2 BOPH. Gas volume increased from 2680 MCFPD to 2870 during first 17 hours and stabilized at 2870 during last 7 hours of 24-hour test. (Test continued until 5:00 P.M. and well continued to produce gas at the 2870 MCFPD rate).

During last 19 hours of test flowing casing pressure varied between 900 and 890 psi and tubing pressure varied between 650 and 690 psi. Well produced through 32/64 choke and at a separator back pressure of 525 psi.

DAKOTA

A stabilized flow rate could not be developed due to well producing water and gas by heads. During first 6 hours of test while blowing off pressure head well produced at a rate from 950 MCFPD to 396 MCFPD at 500 psi back pressure. During next 14 hours well produced at a rate varying from 775 MCFPD to 218 MCFPD and at an estimated average of 410 MCFPD.

At the end of 20 hours the choke was opened and the well produced at a separator back pressure of 40 psi. The well then produced at a more or less stabilized rate of 475 MCFPD.