



- 2500' fluid in hole, no gas.
- 6-15-56 Swab 550 bbls formation water 24 hrs, 2700' fluid in hole, very slight show gas.
- 6-18-56 Swab 550 bbls formation water 24 hrs, 2700' fluid in hole, very slight show gas. Pulled tubing, packer & bridge plug @ 3975'. Set Magnesium Bridge Plug @ 3967'. Set Retainer @ 3502'. Squeezed perforations 3591-3610' & 3624-3648' w/200 sx, max. pressure 1000#, cleared perforations. WOC 6 hrs, re-squeezed perf w/200 sx, max. pressure 5000#.
- 6-20-56 Drilled out cement in 7-5/8" casing to 3645', tested perf. 3591-3610' & 3624-3648' w/1000#, 30 min., tested OK.
- 6-21-56 Drilled out cement to 3645', re-perf. 7-5/8" casing 3624-3640' w/6 shots per ft.
- 6-22-56 Waterfrac perforations 3624-3640' down casing w/40,000 gals, CP 900-1200#, 30 min. shut-in pressure 600#. Ran tubing & packer & swab 120 bbls load water 9 hrs, no gas, 2000' fluid in hole.
- 6-25-56 Swab 160 bbls load water 24 hrs, no gas, 2000' fluid in hole. swab 960 bbls load water 48 hrs, very slight show gal, 2500' fluid in hole.
- 6-26-56 Swab 120 bbls black load water 6 hrs. Squeeze perforations w/200 sx., max. pressure 3000#.
- 6-28-56 Drilled out plug & cement to 3650' on squeeze of perforations, 3624-3640'. Test perf. - no hold. Re-set squeeze Retainer @ 3507', re-squeezed w/200 sx., max. pressure 1000#.
- 6-29-56 Re-squeeze perf. 3624-3640' w/200 sx., Max. pressure 3000#, reversed out 23 sx.
- 7-2-56 Drilled out cement to 3650'. Broke perf. with 400#. Re-Squeezed perf. with 90 sx., max. pressure 2000#, tool failed.
- 7-3-56 Drilled out retainer in 7-5/8" casing to 3655', tested perf. 3624-3640' w/1000#, 30 min., tested OK.
- 7-5-56 Drilled out bridge plug @ 3967', washed to 6054', ran tubing and packer. Released rig.
- 7-9-56 Moved in swab unit. Swab 80 bbls load water 4 hrs, flow 105 bbls load water 7 hrs on 3/4" choke. Flow 25 bbls load water 7 hrs thru open 2" tubing, gas at rate of 150 to 526 MCF per day, after 15 hrs. Shut in 26 hrs, Tubing Pressure 1365#. Flow 10 bbls load water 4 hrs. Open 2" tubing, gas at rate of 600 to 970 MCF per day. Shut-in.
- 7-10-56 From 12 sets Mesa Verde perforations, shut in 20 hrs, flow on open 2" tubing, estimated 20 bbls slightly salty water 14 hrs. Gas Volume after 14 hrs, estimated 500 MCF per day, heading. Shut-in for 12 hrs.
- 7-11-56 From all perforations, flow thru open 2" tubing, estimated 25 bbls slightly salty water 7 hrs. Gas at rate of 500 MCF to 600 MCF per day, heading. Shut in for 12 hrs.
- 7-13-56 Shut in 50 hrs, Tubing Pressure 1225#. Opened 7 hrs, flowed 15 BSW 3 hrs. from all perf, at end of 3 hrs, gas at rate of 526 MCF per day thru open 2" tubing, spray of water. Shut-in for build up.
- 7-16-56 Shut in 14 hrs. Tubing Pressure 1100#. Opened, flow est. 16 bbls salt water 4 1/2 hrs thru open 2" tubing, gas at rate of 263 MCF per day. Shut in 20 hrs. Tubing Pressure 1125#. Opened & flowed 27 bbls salt water 7 hrs thru open 2" tubing. Gas at rate of 263 MCF per day. Shut in for build up.
- 7-17-56 Shut in 18 hrs. Tubing Pressure 1150#. Flow 10 Bbls salt water 3 hrs thru open 2" tubing, @ end of 3 hrs gas at rate of 456 MCF per day. Shut in for build up.
- 7-18-56 Shut in 19 hrs. Tubing Pressure 1125#. Flow 12 bbls salt water 4 hrs thru open 2" tubing, gas volume at end of 4 hrs 300 MCF per day. Shut in for Potential.
- 7-25-56 From all perf, after 7 days shut-in, tubing pressure 924#. On Potential test after 3 hrs blow down, gas at rate of 426 MCF per day thru open 2" tubing. Flowed estimated 7 bbls salt