

- 6-7-79 By Cardinal, treated 7" csg. perms., 15,572-15,885', 34 holes, with 5000 gals. Quality Foamed 6% acid with 50 - 7/8" RCN ball sealers with 220,000 SCF N₂. Pkr. at 15,000'. Broke down formation at 5500# at 2 BPM. Started acid and N₂. Flushed with 120 bbls. 10# brine with foam and KCl. Maximum 9400#, min. 5900#, avg. 5 BPM, ISIP 4700#. Balled out 9400#. Load to recover - 232 bbls. liquid and 153 bbls. N₂. FTP-4450#. Flowed 17 1/2 hrs., TP-40#. Est. 100,000 CFG.
- 6-8 Flowing and testing. 24 hr. test. TP-40#. 10-6' flare. Est. 2-3 bbls. fluid per hr.
- 6-9 Laying down 1000' 2 7/8" tbg. Flowed 10 hrs., TP-0-20#, no fluid. Howco squeezed perms., 15,572-885', thru Baker Model D pkr. at 15,000' with 100 sxs Class "H", .8% Halad 9, .2% HR-4. Displaced cement to 15,200'. Maximum pressure 5500#, ISIP 4800#.
- 6-10 Ran Baker 7" Lockset pkr. on 449 jts. 2 7/8" tbg. Set pkr. 14,002-06' and 2.25 profile nipple at 13,976'. Displaced tbg. to 12,000' with 95,000 SCF N₂. Installed wellhead. Bled off N₂, 7/64" choke. Rigged up Dresser Atlas. Ran 2 1/8" gun and stopped at 173'. 1 11/16" tool stopped at 213'.
- 6-11 Dresser Atlas perf. 7" csg., Atoka, 1 spf, .39" hole at 14,353,55,58,61, & 64' = 5 holes. Opened 4 p.m. No increase. Shut in 1 hr. Opened, TP-955#. Unloaded water. TP to 1720#. 12/64" choke. Opened 16/64" choke, TP-1500#. TP-850#, 1.5 MCFG. Stable, TP-550#, 935 MCF, 1/2 to 1 BO, and no water.
- 6-12 Dresser Atlas perf. balance of Atoka zone 14,310,14,16,18,25,26,31,33,37, 42,44,46,48' = 13 holes, .39", Jumbo Jet gun. Shut in 17 hrs., TP-6600#. Opened 14/64", TP-3100#, 2,839,000 CFG and 5 BO/hr.
- 6-13 Test 9 1/2 hrs. TP-750#, 945 MCF and 2 bbls. condensate. SITP 1700#. Flowed 12 1/2 hrs. 1700-475#. Shut in - 703 MCFG. Hooked up Western and Howco, 14,310-14,364' to treat.
- 6-14 Rigging down rotary tools. 30 days. Western treated 7" csg. perms., 14,310-14,364' with 5000 gals. 20% DS 30 acid and 27 high density ball sealers. 4 stages. Pkr. set at 14,002-14,006'. 1000# increase in balls. Flushed with 73 bbls. 10# brine with 2% KCl. Avg. pressure 6800#, maximum 7600#, minimum 6400#. All fluid had 500 SCF N₂ per bbl. Total of 96,000 SCF N₂. ISIP 5000#. 5 min. 4800#, 10 min. 4750#, and 15 min. 4750#. Job finished at 7:10 a.m. Avg. rate 7.1 BPM. Total load to recover 193 bbls. Opened well at 7:45 a.m. Bottom up in 35 min. Gas started flowing at 12:00 p.m., choke 30/64", FTP 600# - 2.5 MCF. On 20/64", TP increased to 650# - 1.5 MCF. At 12:30 p.m., 20/64", TP-650# - 1.8 MCF. At 2 p.m., 700# TP - 2.03 MCF. Cameron set back pressure valve in wellhead.
- 6-15 Rigging down.