

REPORT OF COMPLETION

12-15-76 Moved in Farmington Well Service completion rig.

12-16-76 Rigged up, installed wellhead, went in hole with 4-3/4" bit on 2-3/8" tbg to stage tool @ 3965'. Unable to get pump pit and rotating head. Shut down.

12-17-76 Waiting on drilling equipment.

12-18-76 Unable to get engines started on drilling equipment, repairing equipment.

12-19-76 Drilled stage tool @ 3965'. Cleaned out to 6058', Western Company displaced hole, press tested csg and BOP to 4000 psi - held OK. Spotted 300 gal 15% HCl on btm, pulled tbg and bit.

12-20-76 PBTD 6058'. Go International late for job. Ran gamma-ray correlation log. Ran select-fire gun, did not shoot, gun wet, was not made up correctly. Perf one hole/2 feet 6017-6027', 5918-5928', and 5614-5634' (total of 20 0.44" holes). Western Company frac Mesaverde fm. Pumped 84 bbls, shut down. ISDP 1100 psi. Pumped 264 bbls fluid @ 2500 psi, 28 BPM, shut down. Pumped 500 gal 15% HCl, when acid on perf, shut down 3 min. Pumped total of 409 bbls pad. Frac well using 1698 hp, 1712 bbls wtr, 43,386 lbs 20-40 sd. IF 2400 psi, Max 2900 psi, Min 1900 psi, Avg 2200 psi, Final 2400 psi, Avg IR 31.5 BPM. Dropped 8 balls, press increased to 2900 psi, developed bad leak in wellhead below tbg head, shut down. Bled well back, found hole in bradenhead. Set Baker bridge plug @ 3950'. Removed tbg head, 5-1/2" csg had jumped out of csg slips and gone down hole 8".

12-21-76 Dug out csg head to surface csg. Cut off 5-1/2" csg below slips and removed csg head, welded onto 5-1/2" csg, installed new csg head, unable to pull csg weld above slips, removed csg head, welder cut off collar on top of surface csg, installed csg head, set 5-1/2" csg slips with 100,000 lbs tension, cut off 5-1/2" csg, installed tbg head and BOP.

12-22-76 Western Company late for job, dropped frac head off of truck on highway, car hit head and wrecked car, sand truck broke down. Pressure tested csg, wellhead and BOP to 4000 psi - held OK. Go International tagged up on bridge plug @ 3948'. Perf one hole each @ 3630', 3652', 3764', 3794', and 3825'. Perf one hole/2 feet 3599-3609' and 3730-3750' (total of 20 holes 0.44" diameter). Breakdown PC fm @ 3000 psi, established IR @ 19 BPM, 3450 psi. ISDP 700 psi. Acidized well w/500 gal 15% HCl, 35 balls, one good press break while pumping balls down, balled off perf @ 4000 psi, pumping 1/2 BPM, bled press off, well flowing back steady. Go International attempted to run junk basket, had wrong gauge ring, got correct gauge ring out of town, attempted to pump into well while waiting on gauge ring, pumped @ 15 BPM, 2400 psi. Shut down, balls still on perf. Go International ran junk basket, recovered one ball. Western Company frac Pictured Cliffs fm using 1905 hp, 1393 bbls wtr, 40,000 lbs 10-20 sd. IF 3000 psi, Max 3650 psi, Avg 2950 psi, Min 2300 psi, Final 2300 psi, ISDP 700 psi. Avg IR 27 BPM, Max IR 34 BPM, 10-Min SI 700 psi. Frac started to sand out once, cut sand, press leveled out and broke back, re-started sand, completed job and shut well in overnight.

RECEIVED

JAN 05 1977

U. S. GEOLOGICAL SURVEY
BUREAU, COLO.