

JEROME P. MCHUGH

Chris #1

REPORT OF COMPLETION

RECEIVED
JAN 11 1977
U. S. GEOLOGICAL SURVEY
DENVER, COLO.

- 12-31-76 Moved in Farmington Well Service. Rigged up and dug out to top of surface csg. Rotary rig was not aligned over hole and the Kelly had worn out top of surface csg, when weight of csg was set on well-head top of surface pipe collapsed into wellhead. Welded on lift nipple to 5-1/2" csg, picked up 100,000# on csg moving csg 12" up, welded and patched surface csg. Bradenhead squeezed csg w/200 sx 2% CaCl₂. Max squeeze press 600 psi @ 2 B/M. Displaced cement w/2 bbls wtr. Shut-in press 400 psi.
- 1-1-77 Shut down for New Year's holiday.
- 1-2-77 Shut down for New Year's holiday.
- 1-3-77 Rig crew ran into water truck on way to work - nobody injured. When installing wellhead rig crew accidentally dropped bolt in hole (bolt 7-1/4" X 1" w/one nut). Ran magnet on wireline three times, unable to recover bolt. Started in hole w/magnet on tbg. Snowing too hard to run tbg. Shut down.
- 1-4-77 Heavy snow at location. Crew had hard time getting to rig. Went in hole w/magnet on tbg. Circulated hole and washed 3' of soft cement out of hole, pulled out of hole, recovered bolt and nut. Started in hole w/bit and tbg.
- 1-5-77 Went in hole with 4-3/4" bit. Drilled stage tool @ 4227'. Cleaned out to 6060'. Circulated hole.
- 1-6-77 Removed rotating head, installed BOP. Pressure tested csg and wellhead to 4000 psi - held OK. Spotted 250 gal 15% HCl on btm. Pulled tbg. Ran Welox gamma-ray correlation log. Perf one hole each 2' @ 5628-34', 5638-50', 5920-30', 6018-24', 6086-96', and one hole each @ 6043', 6052', and 6058' (total of 25 holes with diameter of 0.4").
- 1-7-77 PBTD 6150'. Dowell short of equipment, waited 5 hrs on trucks. Pumped 500 gal 15% HCl w/40 balls. IR 9 B/M @ 1000 psi. Good ball action, balled off perfs @ 4000 psi. Bled off press and ran Baker gauge ring and junk basket on rig sand line, recovered 38 balls. Dowell unable to get pump trucks so got 2 trucks from Western Company and used combination Dowell and Western frac crew. Frac well using 2294 hp, 41,000 lbs 20-40 sd, 2162 bbls wtr. IF 1900 psi, Max 3800 psi, Avg 2400 psi, Min 1900 psi, Final 3200 psi, ISDP 800 psi, 15-min SI 500 psi, Avg IR 39 B/M. Well started to sand off, cut sand press, went to 3800 psi and broke back, restarted sand and completed frac. Shut well in.
- 1-8-77 Well on vac. Ran 192 jts 2-3/8" OD 4.7# J-55 8R EUE tbg set @ 6005' RKB. Tagged sand @ 6035'. Removed BOP and installed well head valves. Shut down @ 2:30 PM because of snow storm.