

Roger C. Hanks

1. Drilling with diamond bit. 1000# pump press. 8 to 11,000# weight. 4 to 5 min per foot - 25 feet. Pump: 2.4 BPM, 6 min to foot per 15 feet. Recover 1 BPM., 18 to 20 min. per foot for 5 feet. Pull 12 stands and shut down. 10,809'.
2. Run tubing to BTM Break circuit. Spot 500 gal. 20% DS 30 Acid on BTM. Pull out of hole. Pump 4500 gal. at 20% Via CSQ Retarded. Pump acid 16.5 BPM at 1,000#. Acid on form 13 BPM at 1,000#. Flash 13 BPM at 1000 PSI. Shut down for 2 hours. Running rate test. Start test at 20 BPM at 1,000#. After pumping 20 min.: Rate - 19.5 BPM at 1250#. Treating press. mn. 0, max. 1250. Average 1,000. INJ rate on treating fluid. 13 BPM. INJ rate on flush. 20 BPM. Average INJ rate 16.5. ISDP - 500#. Vac. in 5 min.
3. Run tubing to 6539. Set packer test bridge plug to 1000 PSI. Pull up to 6271. Set packer. Break down perfs at 6500 with 1500 PSI, 3-1/2 BPM. with 500# on Annulus. Mix 100 sac and displace cement with 81 BBLs water. Shut in with 750#. Cement: type H with 3# salt per sack mixed, 3/4 of 1% CFR2.
4. Log from 6500 to 5500. Perf 6450 to 6470. 2 s per ft. Shut well in.
5. Run tubing to 6488. Open ended spot. 500 gal. 20% DS-30. Pumping into formation at 1100# 1 BPM finish. 5.3 BPM at 1000#. ISDP 1000# Run 4-5/8 bit 6 drill collars and tubing. Hit bridge at 6500. Knocked it out before could stop tubing. Approximately 8,000 to 10,000#. Run tubing to 10,000'. Shut well in.
6. Run tubing to 6321.59. Pump 135 BBLs packer fluid and set packer Hook up disposal pump and start.
7. Zone (lower Wolfcamp) perfs. 6450 - 7000. Apparently too tight for disposal purposes. Disposal zone Devonian. Apparently taking 4.2 BPM at 600#. Increased injection rate of approximately 3/4 of a BPM is due to loss in friction pressure because of raising tubing approximately 4000'.
8. Will instigate hearing to request permission to dispose at present packer setting due to assistance of less friction pressure.

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FEB 20 1975

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

1944

1945

1946