

Recompletion of Hale-State No. 3, continued:

6. Set Baker model N CIBP in string 4 at 5650'; capped same with 5' cement.
7. By directional orientation, jet perforated string 4 with twelve 3/8" jet holes opposite Blinebry at 5008, 5018, 5035, 5055, 5081, 5094, 5128, 5197, 5287, 5494, 5515 and 5626'.
- Maintained pressures as follows: string 1 - 1000 psi; string 2 - 1500 psig; string 3 - 700 psi while perforating string 4. No evidence of communication between strings while perforating.
8. Broke Montoya perforations in string 3 with oil at 3900 psig. Broke Blinebry perforations in string 4 with lease oil at 4000 psig.
9. Treated Montoya with 3000 gallons LSINE acid and eight 5/8" RCN ball sealers. Injection pressures: minimum 2900; maximum 5800 psig. AIR 3.5 BPM. Total load 265 bbl.
10. Treated Blinebry with 2000 gallons LSINE acid and twenty 5/8" RCN ball sealers. Injection pressures: minimum 2100; maximum 5800 psig. AIR 4.3 BPM. Load 81 bbl.
- Fractured Blinebry with 20,000 GLO and 14,888# 20/40 sand. Used 1/20#/gal Mark II Adomite. Divided frac into stages with seven 5/8" RCN ball sealers. Injection pressures: minimum 4850; maximum 6000 psig. AIR 8.8 BPM. Frac load 530 bbl. Total Blinebry load 611 bbl.
11. Swabbed in Montoya (string 3). While recovering load, ran 1 1/2" tubing in string 2 and retrieved Baker bridge plug.
12. On 24-hour OPT ending 12:05 P.M. June 19, 1964, Montoya flowed 350 BF cut 3% acid water (340 BO and 10 bbl AW) through 18/64" choke. Flowing tubing pressure 275 psig. COR 425. Liquid gravity 36.1° API.

Balance of recompletion will be reported on a subsequent C-103.

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