

DATE: February 7, 1983

RECOMMENDED PROCEDURE
HOBBS WELL #4

NOTE: FEDERAL LEASE NO. LC-0316 21(B). CALL BLM - HOBBS 393-3612 24 hours prior to starting work.

1. Move in and rig up double drum workover unit. COOH with rods. Install BOP. COOH with 2-1/16" tubing. COOH with 2-7/8" tubing.
2. GIH with RBP and RTTS-type packer. Set RBP above Queen perforations at +3330'. Pull up 1 jt and set RTTS. Pressure test RBP to 1000 psi. Dump 3 sacks sand on RBP. Isolate leak. COOH with RTTS.
3. If leak above 1000', go to step 9 for Bradenhead squeeze procedure. If leak below 1000', GIH with cement retainer and set +50' above leak.
4. Load annulus and hold back pressure of 1000 psi. Sting into retainer, open casing head valve and attempt to circulate 7" casing. If unable to circulate, establish pump-in rate.
5. Dowell to squeeze casing leak with 250 sacks Class C cement with 2% CaCl_2 (TT \approx 2:00) by circulating 7" casing, if possible. Close CHV. Squeeze casing leak by hesitation to 500 psi over pump-in pressure.
6. Pull out of retainer. Reverse tubing clean. COOH. WOC.
7. GIH with milling equipment and clean out to RBP. Test squeeze to 1000 psi. Resqueeze as necessary. Recover bridge plug.
8. Return to production.
9. For Bradenhead squeeze: GIH with tubing, open-ended to +20' below casing leak. Spot 20 sacks Class C cement with 2% CaCl_2 across leak (TT \approx 2:30). Pull up 6 jts tubing and reverse clean. Pressure to 1500 psi to squeeze cement. COOH with tubing. WOC. Drill out cement. Test squeeze to 1000 psi. Resqueeze as necessary. Recover BP. Return to production.

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O.C.D.
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