

ATTACHMENT 1

Item No. 12

Proposed or Completed Operations

3130 psig @ 12,980'.

3. FIH w/spear mandrel, pkr picker, 4-3 1/2 drill collars on 2 7/8" N80 tbg. Tagged top of Baker Model "D" pkr @ 11,850'. RU drilling head. Milled on pkr for 2 hrs (hole will not circulate). Pkr came free. Pulled pkr up hole 25'. Milled on pkr another 3 hrs. Pkr came free. Tagged bottom w/pkr @ 12,047' (old bottom perf). SOH w/pkr, drill collars on 2 7/8" tbg. Closed pipe rams. SWIFN.
4. FOOH w/Baker Model "D" pkr, pkr picker, drill collars on 2-7/8" tbg. Did not have any tailpipe below pkr. Rigged up Schlumberger. Tagged btm w/logging tool @ 12,036' KB. Ran GR-CNL-CCL from 12,036 to 11,000'. POOH. Rigged down Schlumberger. RIH w/5-1/2" Halliburton RTTS pkr, SN on 2-7/8" tbg. Left packer swinging. Closed pipe rams. Secured well. SDFN.
5. Set RTTS pkr @ 11,850'. Dropped SV. RU Halliburton. Tested tbg to 5000 psig. Held OK. Fished SV. Loaded backside w/2% KCl wtr & PU to 6000 psig. Held OK. Acidized Devonian present interval 11,916-12,044' w/5000 gals 15% NEFE HCl acid. Used 800# rock salt (mixed w/gelled brine wtr) for divert. Flushed w/2% KCl wtr. Had good blocking action. Max press = 1560 psig. Min press = 70 psig. AIR = 6.6 BPM @ 870#. ISDP Vacuum. RD Halliburton. RU swab. Started swabbing w/FL 4800' FS. Made 35 runs in 8 hrs. Recov'd 150 BW. Final FL 5500' FS. SWI. SDFN.
6. SITP = 20 psig. Started swabbing w/FL 5500' FS. Made 10 runs in 2 hrs. Recov'd 41 BW. Final FL 5500' FS. Released RTTS pkr @ 11,850'. POOH w/pkr, SN on 2 7/8" tbg. RU Schlumberger. Perf'd 5 1/2" csg @ 11,862-66', 11,848-54', 11,802-822', 11,778-82'. 11,760-66', 11,742-52' (112 holes) in 3 runs. RD Schlumberger. SIH w/5 1/2" Halliburton RBP, RTTS pkr, SN on 2 7/8" tbg. Closed pipe rams. SWIFN.
7. SD for Sunday.
8. FIH w/tbg. Set RBP @ 11,899'. PU & set RTTS @ 11,885'. RU Dowell. Loaded tbg w/23 BW & tested to 1000 psig. Released pkr. PU & reset pkr @ 11,728'. Loaded annulus w/58 BW & pressured up to 1000 psig. Acidized perms @ 11,742-11,866' w/5000 gals 15% NEFE HCl dropping 800# of gelled rock salt for divert. No divert during job. Breakdown @ 2.5 BPM & 1160 psig. Max press 3560 psig @ 4 BPM. Avg press = 50 psig @ 4 BPM. Flushed w/71 BW. ISIP = Vac. RD Dowell. Changed out 8 5/8" 8 rd x 6" 900 adaptor flange below BOP's. RU swab. Made 26 runs in 6 1/2 hrs & recov'd 0 BO & 105 BW. Initial FL = 5500' FS & final FL 5500' FS. SDFN.
9. Release pkr & FIH. Latch onto RBP. Released RBP & POOH. Didn't have RBP on btm. RU sandline & RIH. Tagged RBP @ 5800'. POOH.