

PROCEDURE

1. MIRU PU. NU BOP. RELEASE BAKER LOK-SET PKR AT 10,024 FT. POH W/ 2-3/8" L80 PROD TBG AND PUMP CAVITY. (SEE WBS FOR EQUIPMENT DETAILS) MI ±33 JTS 2-3/8" L80 TBG.
2. RIH W/ 4-3/4" BIT AND SCRAPER FOR 5-1/2" 17# N80 CSG ON 2-3/8" PROD TBG. CLEAN OUT CSG TO 11,000 FT. POH W/ SAME.
3. RU WIRELINE SERVICES. RIH W/ CIBP ON WIRELINE AND SET AT 12,600 FT. RECORD FLUID LEVEL WHEN GIH. LOAD CASING (292 BBLs CAPACITY) W/ 2% KCL WATER BASED ON FLUID ALREADY IN THE HOLE. PRESSURE TEST CIBP TO 500 PSI. RIH W/ DUMP BAILER AND DUMP 4 SX CMT ON TOP OF CIBP.
4. RIH W/ 4" CSG GUN AND PERFORATE THE PENN FORMATION FROM 10,646-10,664; 10,750-10,794 FT (62 FT, 250 HOLES OA) USING 22.7 GRAM CHARGES, 4 JSPF, 120° PHASING. CORRELATE TO SCHLUMBERGR CBL DATED 3-28-87. RD WIRELINE SERVICES.
5. RIH W/ RBP & TREATING PKR FOR 5-1/2" 17# L80 CSG ON 2-3/8" PROD TBG. SET RBP @ 10,850 FT. PU PKR 1 JT. SET PKR AND TEST RBP, PKR AND TBG TO 5000 PSI. RLS PKR. PU & SET PKR AT 10,700 FT.
6. RU ACID SERVICES. ACIDIZE PENN PERFS FROM 10,750-10,794 FT W/ 4400 GALS 15% NEFE HCL ACID DROPPING 266 1.3 SG RCNBS EVENLY SPACED THROUGHOUT THE ACID. FLUSH TO BOTTOM PERF W/ 44 BBLs 2% KCL WATER. ANTICIPATED TTP=3000 PSI @ 4 BPM. MAX PRESSURE=5000 PSI.
7. ATTEMPT TO SWAB/FLOW BACK LOAD. RELEASE PKR. RIH AND LATCH ON TO RBP. PU RBP TO 10,700 FT AND SET. PU PKR 10 FT, SET AND TEST RBP TO 5000 PSI. RL PKR, PU PKR TO 10,600 FT AND SET. (CONSULT ENGINEER FOR LENGTH OF SWAB TEST.)
8. RU ACID SERVICES. ACIDIZE PENN PERFS FROM 10,646-10,664 FT W/ 1800 GALS 15% NEFE HCL ACID DROPPING 110 1.3 SG RCNBS EVENLY SPACED THROUGHOUT THE ACID. FLUSH TO BOTTOM PERF W/ 43 BBLs 2% KCL WATER. ANTICIPATED TTP=3000 PSI @ 4 BPM. MAX PRESSURE=5000 PSI.
9. ATTEMPT TO SWAB/FLOW BACK LOAD. RELEASE PKR. RIH AND LATCH ON TO RBP. POH W/ RBP, PKR & TBG. (CONSULT ENGINEER FOR LENGTH OF SWAB TEST.)
10. RIH W/ 2-3/8" PRODUCTION TBG, PUMP CAVITY & 5-1/2" BAKER LOK-SET PKR. SET PKR AT 10,000 FT. ND BOP. NU TBG FLANGE. (SEE WBS FOR EQUIPMENT DETAILS) DROP SV, LOAD HOLE W/ 2% KCL WATER (178 BBL CAPACITY), PRESSURE TEST CSG AND PKR TO 2000 PSI. RETRIEVE SV. NU WELLHEAD. DROP NATIONAL 9A JET PUMP. RDMO. RELEASE WELL TO PRODUCTION.