

RED HILLS "28" #1  
DEEPENING PROCEDURE

1. MIRU DDPU. LOAD HOLE WITH FRESH WATER AND ESTABLISH A PUMP IN RATE. REMOVE TREE. NU & TEST 5000 PSI HYDRAULIC BOP.
2. UNLATCH TUBING FROM PACKER & POH LD 2-7/8" CS HYDRIL TUBING.
3. RIH W/ OTIS PACKER PICKER ASSEMBLY AND DRILL COLLARS PICKING UP 3-1/2" DRILL PIPE.
4. CUT OVER OTIS WB PACKER @ 12,903'. ATTEMPT TO RETRIEVE PACKER ASSEMBLY.
5. RIH W/ 8-1/2" BIT AND DRILL COLLARS ON 3-1/2" DRILL PIPE TO TOP OF FISH @ 13,367'. CLEAN OUT IF NECESSARY. POH.
6. RIH W/ 3-1/2" DRILL PIPE OPEN ENDED TO 13,367'. SPOT 250 SX CEMENT PLUG F/ 13,367' TO 12,625'. POH. WOC.
7. RIH W/ 8-1/2" BIT AND DRILL COLLARS ON 3-1/2" DRILL PIPE TO TOC. CLEAN OUT CEMENT TO 12,900'. TEST 9-5/8" CASING TO 2000 PSI (80% OF BURST W/ FRESH WATER GRADIENT).
8. POH LAYING DOWN 3-1/2" DRILL PIPE. ND BOP. NU TREE. RDMO DDPU.
9. REPAIR ROAD, LOCATION, AND DIG RESERVE PIT TO RIG SPECIFICATIONS.
10. MIRU DRILLING RIG AND ASSOCIATED COMPONENTS.
11. NU AND TEST 10,000 PSI H2S TRIMMED BOP, 5000 PSI HYDRIL, AND 10,000 PSI H2S TRIMMED CHOKE MANIFOLD.
12. TIH WITH 8-1/2" BIT AND 6-1/2" DRILL COLLARS PU 5" 25.6# X-95 AND S-135 DRILL PIPE. DRILL OUT KICK OFF PLUG TO 13,100'. RUN A GYROSCOPIC SURVEY OF HOLE. PERFORM A LEAK OFF TEST OR FORMATION INTEGRITY TEST TO AN EMW OF 16.0 PPG. TOH.
13. TIH WITH 8-1/2" DIAMOND SIDETRACK BIT, 6-1/2" HIGH SPEED MUD MOTOR, AND 1.5 DEGREE DEFLECTING SUB WITH ORIENTATION SLEEVE.
14. ORIENTATE BIT TO N 90 W USING SURFACE READOUT STEERING TOOL. TIME DRILL 8-1/2" HOLE 1' PER HOUR FOR 12 HOURS, INCREASING ROP GRADUALLY UNTIL A SIDETRACK HAS BEEN ESTABLISHED (ESTIMATED 50' - 70' OF TOTAL HOLE WITH THIS ASSEMBLY). LIMIT DOG LEG SEVERITY TO 1.5 - 2 DEGREES/100'. TOH.