

MAKALO, INC.

COMPLETION OPERATION

GOLD RUSH "30" FED COM #1

OCTOBER 31, 1994

10/17/94 OPERATION: Complete in 7000' sand
MI RU pulling unit. NU 10,000 psi hydraulic BOP. SIW. SDON.

10/18/94 Unload & talley 191 jts 2 7/8" 8.7# P105 Vam + 131 jts 2 7/8" 7.7# P110 Vam + 133 jts 2 3/8" 4.7# N-80 DSSHT tbq. PU & TIH w/ 3 3/4" bit + 4 1/2" csg scraper on 125 jts 2 3/8" DSSHT + 131 jts 2 7/8" 7.7# Vam + 63 jts 2 7/8" 8.7# Vam tbq. Tagged liner top @ 10,048'. SIW. SDON.

10/19/94 POH & LD bit. PU TIH w/3 5/8" mill + 4 1/2" csg scraper to liner top. RU pump truck. Rotate tbq w/tongs & reverse circ hole. Reversed out cement & drlg mud w/less than 6" progress. SIW. SDON. Prep to RU reverse unit & power swivel.

10/20/94 RU reverse unit. PU swivel & clean out 25' cement in top of liner. Test liner to 1000 psi, ok. RD reverse unit. Finish in hole w/ mill & csg scraper to 13,985'. Total 444 jts tbq in hole. RU Halliburton. Pickle tbq w/300 gals 15% NEFE triple inhibited acid. Reverse out acid & displace hole w/10# brine 2% KCl wtr. RD Halliburton. SIW. SDON.

10/21/94 POH & LD mill & csg scraper. SIW. SD until Monday.

10/24/94 RU Apollo WL. RIH w/gauge ring & junk basket to PBTD @ 13,950'. POH. LD gauge ring & junk basket. RU pump truck & load hole. TIH & ran GR/CBL/CCL from 13,950' to top of liner @ 10,048' w/ 1000 psi on csg. Correlate to SWSCO GR/CNL/LDT open hole log run 9/26/94. RD pump truck. PU TIH w/4 1/2" Otis BWB permanent pkr + crossover + 2 3/8" x 8' tbq sub + 1.875" Otis "X" nipple + 2 3/8" x 8' tbq sub + 1.791" Otis "XN" nipple + 2 3/8" x 10' tbq sub + balanced isolation tool + mechanical tbq release + 1 jt 2 3/8" N-80 tbq + 3 1/8" Halliburton Van perf'g gun loaded to shoot 4 JSPF. Correlate & set pkr @ 13,554' w/guns positioned to perf @ 13,625', 13,626', 13,627', 13,637', 13,638', 13,639', 13,644'-13,655'. POH. RD Apollo. SIW. SDON.

10/25/94 RU Tbg Testers. PU RIH & test to 8500 psi above slips w/Otis J latch seal assembly + 2 3/8" 8rd DSSHT crossover + 116 jts 2 3/8" 4.7# N-80 DSSHT + 2 3/8" x 2 7/8" crossover + 131 - 2 7/8" 7.7# P105 Vam + 183 jts 2 7/8" 8.7# P105 Vam tbq + 6', 8', 10' subs + pin by pin sub + B02 extended neck tbq hanger coupling. RD Tbg Testers. ND BOP. Sting into pkr @ 13,552'. Pulled 20 points over weight & insure seal assembly "J'd" up ok. Installed wrap around. Land seal assembly w/15 points compression. NU christmas tree. RU pump truck & pressure backside to 1000 psi, ok. SIW. SDON. 2 3/8" x 2 7/8" crossover @ 9883'. X profile nipple @ 13,562'. XN profile nipple @ 13,571'. 17 jts 2 3/8" & 8 jts 2 7/8" surplus on location.

10/26/94 Rigged to swab. Swabbed FL down to 6000' FS. LD swab. Dropped firing bar & detonate guns, no initial blow. Slight flow after 45 min w/pressure too small to measure. Wait 2 hrs. RIH w/swab. Tagged fluid @ 6000' FS. No change in FL after perf'g. Swabbed FL down to 8000' FS. Recovered 10 bbls brine wtr + small show of gas after each run. SIW. SDON.

10/27/94 15 hr SITP 0 psi. RIH w/swab. Tagged FL @ 6000' FS. Made 2 runs. Recovered 8 bbls brine wtr. Small show of gas at end of each run. LD swab. RU Pro WL. RIH w/shifting tool & release guns @ 13,586'. Continue in hole & tag top of guns @ 13,900'. Perfs clear. POH. RD Pro WL. RD MO pulling unit. SIW. SDON

ACCEPTED FOR RECORD

NOV 14 1994

CARLSBAD, NEW MEXICO

NOV 18 1994