

MARALO, INC.
DC '30" STATE #1

RECOMPLETE IN BRUSHY CANYON

09/17-18/98 ND 11" 10,000# TREE. NU CHANGE OVER SPOOL + BOP. UNSET PKR. POH W/296 JTS 2-7/8" TBG. RIH W/ 5-1/2" CIBP. SET @ 9500'. RIH & CAPPED W/35' CEMENT. CUT CSG @ 8126'.

09/21-22/98 RU CSG CREW AND CATWALK W/PIPE RACKS. POH W/8126' 5-1/2" 17# CSG, 183 FULL JTS W/1 CUTOFF JT. INSTALLED THREAD PROTECTORS. RIH W/296 JTS 2-7/8" TBG OPEN ENDED TO 9434' TO TOP OF CEMENT & CIBP INSIDE 5-1/2" CSG.

09/23/98 CIRC'D HOLE W/450 BBLS 10#MUD LADEN FLUID. POH & LD 40 JTS 2-7/8" TBG TO 8176'. SPOTTED 70 SX CEMENT. POH W/40 JTS TBG. SD 4 HRS. FOR CEMENT TO SET UP. RIH & TAGGED PLUG @ 8017'. POH & LD 81 JTS 2-7/8" TBG TO 5590'. COULD NOT PUMP DOWN TBG. POH W/175 JTS TBG & LD PLUGGED JT. RIH W/175 JTS 2-7/8" TBG TO 5590'. SPOTTED 85 SXS CEMENT. NO NMOC REP ON LOCATION TO WITNESS PLUGS & TAGGING.

09/24/98 RIH W/TBG & TAGGED PLUG @ 5431', NEW PBT. POH UP TO 4951' W/155 JTS 2-7/8" TBG IN HOLE + 8' x 2-7/8" TBG SUB. RU PUMP TRICK. PRESSURE UP TO 1000 PSI & HELD. RELEASED PRESSURE. CIRC'D HOLE CLEAN W/400 BBLS 2% KCL WTR. RU PETROPLEX ACIDIZING. SPOTTED 300 GALS 7-1/2% MUD CLEAN OUT ACID TRIPLE INHIBITED @ 4951' UP. POH W/TBG. RU APOLLO WL. RUN GR/CCL FROM 5240' TO 4500'. CORRELATED TO SWSCO OPEN HOLE LONG RUN #1 DATED 06/10/95. RIH W/4" CARRIER GUN W/PREMIUM CHARGES & SHOT 2 JSPF @ 4940 - 4951', 22 HOLES. RIH & TESTED TBG ABOVE SLIPS TO 8000 PSI AS FOLLOWS: 9-5/8" x 2-7/8" BULL BORE TENSION PKR + 2-7/8 SN + 152 JTS 2-7/8" TBG. ND BOP. SET PKR W/32 POINTS TENSION. NU TREE. PKR SET @ 4862'. PRESSURED BACKSIDE TO 1000 PSI & HELD. GOT ON TBG & PRESSURED UP TO 2000 PSI. FORMATION BROKE BACK TO 1200 PSI. CONTINUE TREATMENT OF PERFS BY PUMPING 1000 GALS 7-1/2% MUD CLEAN OUT ACID, CARRYING 40 BALL SEALERS. PUMPED @ 2.7 BPM W/1300 PSI UNTIL ACID ON FORMATION, INCREASED RATE TO 4 BPM W/1400 PSI. PUMPED ACID AWAY W/NO BALL OUT/LITTLE BALL ACTION. MAX PRESSURE 1500 PSI, AVG RATE 4 BPM.

09/25-28/98 SWABBING, NO OIL OR GAS SHOW.

09/29/98 RU AMERICAN FRAC MASTERS TO FRAC PERFS 4940 - 4951'. W/16,000 GALS 30# X-LINKED GEL CARRYING 30,000# 16/30 MESH SAND DOWN TBG @ 15 BPM, AVG RATE 16.2 BPM, AVG PRESSURE 2300 PSI, MAX PRESSURE 2560 PSI.