

OPERATED

DIAMOND MOUND FIELD
COOK FEDERAL #1
SE/4 NE/4 SEC 10-T16S-R27E
EDDY COUNTY, NEW MEXICO
FUND PLAN YEAR: 1987
OPERATOR: GARI
GARI ET AL: 68.75%
GARI ONLY: 21.07%

WORKOVER

PBTD: 8667'
FM: MORROW

7/24/91

Lead swab unit to location. Rig up swab unit. 24 hr shut in tubing pressure - 800#. Open up and flow well dwn on open choke. Blow dwn to 40# on open choke in 30 min and stabilized flow pressure. Unloaded fluid during flowback with fluid consisting of 90% condensate. Unable to get swab dwn hole due to high flow rates. Flowed well total of 1 hr. Rig up Halliburton. Rig up Hughes Services pump truck on casing. Casing pressure - 720#. Start pumping on casing with 2% KCL wtr. Pumped total of 32 bbls 2% KCL wtr dwn csg. Pressure dropped to 580# and held. Test lines to 4000#. Treat Morrow zone 8570-8580'. Pump 15,000 SCF/N2 pad. Tubing pressure at 2000#. Casing pressure-stable at 860#. Pump 1000 gal MOD-101 add with 2 gal Penn - 88, 2 gal HC-2, 2 gal CLA-STA XP, 2 gal HAI-85, and commingled 1000 scf/N2 per bbl. Tubing pressure increased to max pressure of 3120# with casing pressure - 940#. Started getting break in tubing pressure and dropped dwn to stable pressure of 2240#. With 35.5 bbls into treatment, casing pressure started to rise and climbed to 1380#. Displaced acid with 1400 gal 2% KCL wtr + .2% clay fix II and 1000 scf/N2 per bbl. 15 bbls prior to having all flushed pumped, casing pressure started to climb again and rose to 2160#. Tubing pressure was running 2700# at this time. ISIP-2230 5 min-1360, 10 min-1230, 15 min-1150. Rig dwn Halliburton and started to flow back tubing through open choke to pit. Flow for 30 min and died. Flowed approx 15 bbls load wtr. Csg press bled dwn to 950#. Rig up swab and start swbg. Initial fluid level was scattered from 2700' from surf. Made total of 8 swab runs and recovered 26 bbls swbg. Final fluid level from seating nipple. Had good blow of gas after each swab run with gas increasing to good steady continuous blow. Last 2 runs from seating nipple recovered no fluid. Leave well flowing overnight to tank. Total load - 56.8 bbls. Flowed and swbd back 41 bbls ld wtr. 15.8 bbls ld to recover. Bled csg dwn and shut csg in overnight w/tubing flowing to tank on open choke.

DWC: \$5,790.00

CWC: \$5,790.00

7/25/91

Well was still flowing this AM with slight blow. Line to tank was freezing up and tbg press was 210#. Made 3.48 bbls into tank overnight. Open up to pit and blow dwn to 10# in 15 min. Go in hole with swab, tagging scattered fluid from 1300' from surf. Recovered fluid was spent acid wter and KCL. Make total of 9 swab runs with the last 4 coming from the seating nipple. Waiting one hour between last two runs and recovering only 1/2 bbl fluid. Casing pressure had climbed up to 1100#. Blew backside dwn to 0 in 35 min. Tbg press built up 59 310# in 310# in 30 min. Open up tbg and blow dwn to 15#, then made the last two swab runs. Making very light mist of condensate