

ROBERT N. ENFIELD
HUDSON FEDERAL NO. 3
LEA COUNTY, NEW MEXICO
ZONE NO. 5 SAND
PAGE -4-

8/24/90: 16 hour SITP 20 psig with gas flare. Made 1 swab run, 200' of fluid in the hole, recovered 50' oil and 150 barrels acid water, with flare burning in and out. Made second swab run at 9:30 AM, did not recover any fluid, gas ahead of swab. Made third swab run at 11:30 AM and recovered 5 gallons oil and acid water with gas ahead of swab. Shut down and Shut in at 12:00 PM.

8/25/90: Shut in.

8/26/90: Shut in.

8/27/90: SITP 60 psig. Blew well down, all gas. Ran swab, recovered 600' of fluid, estimated 70% oil. Rigged up Halliburton and treated with 3000 gallons 15% NEFE acid with Lo-surf 300, Clay sta XP, HAI 85, and 50 ball sealers. Maximum treating pressure 5050 psig, at ball out 6500 psig. Average pressure 4900 psig. Average injection rate 4.5 BPM. ISDP 2800 psig. Surged ball off and treated with 40,000 gallons Versa gel 1400 with 45,000# 20/40 Ottawa sand and 24,000# of 20/40 Super DC sand. Maximum pressure 6470 psig, average pressure 6400 psig, average injection rate 13 BPM. ISDP 3150 psig, in 15 minutes 2140 psig. Load to recover 1024 barrels. Treatment complete at 10:05 AM.. NOTE: Sanded out with 400 gallons flush to be pumped. Shut well in until AM 8/28/90.

8/28/90: 21 hour SITP 2100 psig. Open well up at 7:00 AM on 12/64" choke, flowing load back to pit. Flowed back 127 barrels load water in 7 hours and died. Rigged up swab and swabbed back 57 barrels load water in 4 hours. Ending fluid level 3500' from surface. Had a small amount of gas last hour and a show of oil on the last swab run. Shut well in at 6:00 PM. 840 barrels load left to recover.

8/29/90: 13 hour SITP 250 psig. Blew well down and started swabbing at 7:00 AM. Initial fluid level surface. Recovered 100' of oil on the first run. Swabbed for a total of 10 1/2 hours, fluid level after third of swabbing 5500' from surface. Recovered a total of 109 barrels load water and 35 barrels oil. Oil percentage started out at 5% and last hour of swabbing 60% oil. 731 barrels load to recover. Shut well in at 5:30 PM. Last 5 hours of swabbing slow due to heavy recovery of frac sand and formation sand.

8/30/90: 13 1/2 hour SITP 300 psig. Blew well down, Initial fluid level 1000' from surface. Made 1 swab run and recovered 1800' of fluid, 100% oil. Well is now flowing to the tank and has been for 20-25 minutes. Present operation this AM: Will continue to swab/flow test.