

Attachment G-103

Gulf Oil Corporation, H. T. Mattern (NCT-B) # 8, sec 30, 21-S, 37-E.

Perfs 5813-15', BP at 5880', packer at 5798', pumped 420 gals into form. Communicated. AIR 2.5 bpm. TP 2600-2200#, CP 850-1500#. 5790-92', BP at 5800', packer at 5777', pumped 580 gals into formation, communicated. AIR 2.4 bpm. TP 2500-1800#, CP 800-1450#. 5756-58', BP at 5800', packer at 5747', pumped 500 gals into formation. AIR 2.4 bpm. TP 2000-1900#, CP 900# applied. Set BP at 5917', packer at 5681'. Displaced 38 BNE out of tubing with 38 BO. Broke down formation with 25 bbls lease oil. AIR 12.5 bpm. TP 4600#, CP 700# applied. Treated formation thru 7" casing perfs 5756-5899' down 2 1/2" tubing with 24,000 gals 24 gvy refined oil with 1/40# admite M-11 and 1-3#, 20-40, sand per gal in 6,4000 gals stages. Injecting 8, 1 1/4" RCNE sealers after each of first 5 stages and injected a total of 203,830 standard cubic feet of nitrogen continuously in broke down frac and flush oil. AIR 13.7 bpm. TP 5850-5600#. CP 700# applied. Increased to 2000#. Bled off to 700# and increased to 800#. Flushed with 58 bbls of lease oil. (Used 65,000# of sand.) Pulled 3-1/2" tubing, packer, and retr. head. Ran 2-3/8" tubing with 10' nipple and pin collar on bottom and seating nipple set at 5768'. Left 7" Baker retrievable BP in hole at 5917'. Placed well on production.

