

- 1-30-80 Pulled tbg, bit & LD collars. R<sup>u</sup> CRC & ran Comp. Neutron, Gamma Ray & Collar Locator log. Perf'd 77 holes, 3-1/8" csg gun, .34" dia. holes, 15.36" penetration @ 3742, 44, 46, 66, 68, 72, 1 shot each, also 3774-84 11 holes; 3790-92 2 holes; 3794-3826 32 holes; 3834-57 23 holes and 3871, 77 & 83 3 holes. Closed well in and SD.
- 1-31-80 Ran 4 1/2" Baker Model "R", double grip pkr w/SN on top of pkr to 3897'. Spotted 3 bbls acid. Pulled 8 jts tbg and attempt to set pkr, would not hold. POH & pkr rubber gone. Ran another pkr & set @ 3654' w/top csg perfs @ 3742'. Acidized w/20,000 gals 15% NE HCL (inhibited & iron control & surfactants in acid), 20,000# 100 mesh sand & 14,000 gals 30# gelled, 10# brine water w/2% KCL & 120 7/8" RCN ball sealers. Treated in 4 equal stages. Formation broke @ 2500#; 1000 gals gel pad, 1000 gals w/2#/gal 100 mesh sand, 500 gals pad & 1000 gals w/3# 100 mesh sand, 5000 gals acid & 40 ball sealers (10 at a time spaced in acid). Repeated for 3 more stages. Had very good ball action, balled out on 3rd stage @ 5050#. Surged balls off perforations & continued treatment. Flushed w/20.6 bbls KCL brine water. Total load 832 bbls. MTP 1000#; Max. 5050#; Avg. 2500#. Avg. rate on acid 5 BPM. Flush @ 3 BPM, 850#. ISIP 100#, vacuum in 1 min.
- 2-1-80 SITP vacuum. Ran swab, found FL @ 1000'. Swabbed 1st hr, 8 BLW, 2nd hr. 8 Bbls water & fluid @ 2500' & also acid gas. 3rd hr., swabbing from SN @ 3645', 11 bbls water w/trace of oil. 4th hr, 23 bbls, trace of oil. 5th hr. 11 bbls. 6th hr. 3 bbls. 7th hr. 11 bbls. 8th hr. 3 bbls, 10% oil. 8 hrs swabbing recovered 78 bbls, 754 BUL. SD.
- 2-2-80 Swabbed 9 1/2 hrs, recovered 57 bbls 5% to 10% oil, 135 bbls recovery to date & 697 BUL. Gas increasing. SITP in the AM @ 200#. FL @ 2200'. Swabbing @ 4-5 BPH last 4 hrs. FL swabbing from 3100'.
- 2-3-80 SITP 800# after 14 1/2 hrs. FL @ 2500'. Swabbed 8 hrs, recovered 39 bbls, very little gas. Total recovery to date 174 bbls, 658 BUL. Cut from 2-20% oil. Cum. cost 130,421.27.
- 2-4-80 SD.
- 2-5-80 SD.
- 2-6-80 SITP 1000# after 62 hrs. FL @ 2500'. Swabbed 9 hrs & recovered 36 BF w/5-15% oil, lots of foam. Not much gas. Total recovery 210 bbls, 622 BUL.
- 2-7-80 SITP 900# after 15 hrs. FL @ 2500'. Swabbed 9 hrs, recovered 29 BF 5-10% oil. Total recovery to date 239 bbls, 591 BUL. FL 300-400' above seating nipple. Small amount of gas.
- 2-8-80 SITP 800# after 14 1/2 hrs. FL 2400'. Made 3 swab runs, recovered 2 BF, bypassed pkr & POH. Ran back mud anchor, SN & tbg perforator, & Guiberson T.M. anchor on 2" tbg, tagged btm & had 9' fill. TD 3941 KBM. Set tbg 2' off btm @ 3959 KBM, anchor @ 3708', 34' above top csg perforation w/12,000# tension. Ran 2" x 1 1/2" x 12' H.F. traveling bbl pump w/ 84" stroke. Ran 154 3/4" Bethlehem X rods. Spaced pump. RD pulling unit. Hauled in 2 loads of Caliche f/pumping unit & cleaned up location.