

ATTACHMENT for C-103, SMGSAU, Tract 5, #7, dated 3/10/80.

Drld & cleaned out cmt inside liner, 3696 - 4379'. RIH w/5½" RTTS on 2-3/8" tbg. & set @ 3536'. Press annulus to 1000# - ok. Tested top of liner w/2500#/15 mins - ok. Released RTTS & POOH. Ran GR-CCL-CBL from logger TD 4366 - 3600'. Cmt bond good 4366 - 3600'.

RIH w/2-3/8" tbg oe'd to PBTD 4371'. Circ hole w/fresh wtr. Spotted 270 gals 10% Acetic acid w/additives 4371 - 4100'. POOH. RU. Jet perf SA Dolo w/2" sidewinder SSB-2 csg gun 25/F 4305-4310' & 4324-4354. Total 70 0.32" holes w/10.37" penetration. Released RTTS. RIH to 4345'. Spotted acid across perfs. Reset RTTS at 4220'. Loaded & press annulus to 1500# - ok. Acidized SA 4305-10' & 4324-54' w/5000 gals 15% Ne w/additives. Used 105 7/8" RCNCB's w/poor action. Did not ball out. Released RTTS & POOH. RU. Set CIBP @ 4294' & RTTS @ 3440'. Press annulus to 1500# - ok. Sqz top of liner w/100 sx Class C w/0.5 of CFR-2. Max 4000# w/80 sx in form & 20 sx below tool. Reversed out zero sx. Released RTTS & Reset at 2830'. Press tbg to 2750#. POOH w/RTTS. RIH W/4-3/4" RB & 4 - 3½" CD's on 2-3/8" tbg. Tagged cmt. @ 3461'. Press tstd. 5½" csg to 1500# - ok. Drld good cmt 3461 - 3696' top of liner. Drld cmt inside liner 3696- 3732 & fell free. Spotted 100 gals 10% Acetic acid w/additives 4278 - 4172'. Jet perf'd premier sand 2 S/F w/2" sidewinder SSB-2 csg gun 4172- 4184'. 4204- 4218', 4224- 4234', 4248 - 4262', and 4268 - 4278'. Total 120 0.32" holes w/10.37" penetration. Released RTTS. RIH to 4278'. Spotted acid across Premier sand perfs. Reset RTTS @ 4058'. Acidized Premier sand zone w/5000 gals 15% HCl NE w/additives.

Used 180 - 7/8 RCNC balls w/poor action. Did not ball out. Max 3000#, Min 2800#, AIR 3.5 B/M, ISIP 2300#, 10 min. SIP 1900#. TL&T 136 BLW(120 acid & 16 flush). Opened to test tank. Backflowed 5 BO, 75 BLW/5 hrs leaving 61 BLW to recover. Flwd & swbd 30 BO, 4 BLW & 30 Bbls form wtr. Fluid scattered. RU. Frac Premier sand down 2-3/8" tbg w/30000 gals UAF 2-3 Gelled wtr, 12,000 Bbls 100 Mesh sand, 39,000 Lbs 20/40 mesh sand & 110 Gals Gyptrol in 3 stgs separated by BAF & RS. on 1st block used 50# BAF & 150# RS. Had 300# press INCR. on 2nd stg used 100# BAF & 300# RS. Had 600# press INCR. Max press 5400#, Min 4300#, AIR 14 B/M, ISIP 2600#, 15 min SIP 2200#, TL&T 800 BLW. Backflowed 241 BLW to test tank in 9 hrs, 1" cke,FTP 25#, - 559 BLW to Rec. csg. press DECR from 600# to 200# while backflowing tbg. SION. 14 hrs SITP 650#. SICP 0. Backflowed trace oil& 177 BLW in 10 hrs, 1" choke, FTP 25#, - 382 BLW to Recr loaded tbg w/10 BW. POOH w/RTTS. RIH w/3½" RB & 4 - 3" DC's on 134 jts 2-3/8" tbg. Tagged CIBP @ 4294'. Drld 4294 - 4295 ½ & pushed plug down hole to 4304'. Drld & pushed CIBP to 4369'. SION, 14 hr SIP 700#.

RIH w/prod. Equip. RU pumping unit on 24 hr test. Pumped 186 BO, 88 BW, 33.63 Gas, 13 SPM x 66" Stroke, GOR 181, oil gravity 33.0 @ 60°.