

- FEDERAL "MM" COMM #1, 12,050 TD.
- 9/28 MIRU X-Port Well Ser Unit, instl BOP, ran 6-1/8" bit, 7" csg scraper on 4 1/2" DC's & 2-3/8" tbg to 5389, rig up rev unit, drill cmt in 7" liner to 5478, SD for nite.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 9/29 Drill cmt 5478-5490, stringers to 5554, ran bit to 10,218, drill cmt to 10,259, landing plug from 10,259-260/3 hrs, circ clean, SD for nite.
- FEDERAL "MM" COMM #1
- 10/1 Drill cmt in 7" liner from 10,260-11,237 in total of 20 1/2 hrs, cont to drill cmt.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/2 Drill cmt in 7" liner from 11,237-11,922/10 1/2 hrs, circ hole clean, SD for nite.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/3 SD 3 hrs for rprs, Howco displ hole w/ 10.2# CaCl wtr, POH, SD for nite, prep to perf.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/4 Western Co ran GR-Collar-Corr log from 10,700-11,931, then perf 7" liner in the Morrow @ 11,658-664; 11,702-710; & 11,869-11,878 w/ 1 JSPF, total of 46 holes, then set Baker 7" Model D pkr @ 11,634, now running seal assembly & 2-3/8" tbg 196 jts in hole, testing to 5000# while running, SD for nite.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 0/5 Ran 2 3/8" tbg OE to 11,651 type F SN w/1.81 ID @ 11,645, Baker latch in seal assembly @ 11,634, Baker ER receptacle w/1.87 ID @ 11,618 unlatch from recpt displaced hole w/9.5# TSW latch onto recpt land tbg w/2000# tension, remove BOP inst'l tree, tst tree & csg 3000#/ok SD for nite.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/6 Sw 10 hrs, sw dry from 11,400' last 3 hrs w/sl sh of gas Western Co acidized perfs 11,658 - 11,878 w/5000 gals 7-1/2% MS acid used 50 RCNBS flushed w/1% KCL wtr all fluid contained 1000 S cu ft N2 BDTF 6900# TTP 6300 - 7300# AIR 4.5 BPM ISIP 4500# 5 min SIP 4150# job comp 7:30 pm 10/5/73, open well clean to pits/10 hrs, 48/64 ck TP 3600# to 100#, cont to tst.
- 10/8 F to pits 11 hrs, 48/64 ck, TP 75# to 100# flow small amt of wtr SI37 hrs, TP 3150#, cont to tst.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/9 Clean to pits/11 hrs on 48/64 ck, TP 75-100#, SI 13 hrs, TP 3000#, cont to test.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/10 F to pits/11 hrs. on 48/64 ck, TP 75-100#, SI/13 hrs, TP 3000# prep to set plug in ER receptacle, prep to frac.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/11 Cecil Horne Wire Line Co set plug in ER receptacle @ 11,618 loaded tbg w/43 bbls 9.5# SW, unlatch tbg from receptacle, inst BOP, POH w/2-3/8" tbg, change rams in BOP, SD for nite, prep to run 3 1/2 frac tbg.

- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/12 Ran Baker on & off tool on 380 jts 3- $\frac{1}{2}$ " N80 tbq, tst to 5000# while running, latched onto receptacle @ 11,618, sw tbq dry to 7000', Cecil Horne Wire Line Co ret plug from receptacle @ 11,618, TP 1900#, prep to flow & clean up well, then SWF.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/13 Clean to pits/9 hrs on 48/64 ck, TP 1900#-100#, Western SWF Morrow perfs 11,658-11,878 down 3- $\frac{1}{2}$ tbq w/16,000 gals 5% MS A + 8,000 gals liquid Co₂, used 19,200# 20/40 ottowa sand + 4800# glass beads used 32 RCNBS, treated in 3 stages, TTP 6150-7800#, AIR 20.6 BPM, ISIP 2750#, 5 min 2000#, job comp @ 5:30 pm, 10/12/73, F Co₂ & AW to pits/12 hrs, on 48/64 ck, TP 2000#-150#, gas burning past 1 hr, cont to tst.
- 10/15 F to pits 12 hrs, on 48/64 ck, TP 150, SI/13 hrs, TP 2750, Cecil Horn set plug in recot @ 11,918, loaded tbq w/10# brine, unjayed from recpt, LD 347 jts 3- $\frac{1}{2}$ tbq + 7' collapsed piece, left 52 jts + 24' piece in hole, SDN.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/16 WO fishing tool/4 hrs, WIH w/5-3/4 OS w/cutrite shoe & 3- $\frac{1}{2}$ grapples on 1 jt + 5- $\frac{1}{2}$, WP, 2 4-1/8 DC on 2-3/8 tbq, tag fish @ 10,018, milled 2' + 10,020/2 hrs, SDN.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/17 Milled from 10,020-10,021, went over fish overshot, slipped off fish, POH, changed grapples, rerun overshot to 10,021, caught fish, unlatched from Baker ER receo @ 11,618, POH w/ 200 jts of tbq, SDN.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/18 Fin plg & LD 3- $\frac{1}{2}$ frac tbq, ran Baker on & off tool on 2-3/8 N 80 tbq to 11,618, tst to 5000# while running, unable to latch onto recp, SDN, prep to pump thru tbq w/Howco to att to latch onto recp.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/19 Howco pumpd 90 BSW down tbq, unable to latch onto recp @ 11,618, POH w/tbg, ran 5-3/4 magnetic basket on SL to 11,618, no rec, SDN.
- FEDERAL "MM" COMM #1, 12,050 TD.
- 10/20 Ran 5-5/8" OD x 4-7/8" ID Cut-rite mill on 1 jt 5-1/2" wash pipe, 2 4-1/8" DC's & 2-3/8" tbq to 11,618', displace hole w/ 10.0 CaCl wtr. SD for nite.
- 10/22 Washed over fish 11,618-23, ran mill to 11,630', POH w/ mill, ran Baker on & off tool to 11,618', latched onto Baker ER receptacle, unlatched from Baker Model D pkr @ 11,630', POH, ran 5-3/4" magnetic basket on SL to 11,630', POH, no rec., re-run Baker seal assembly & ER receptacle to 11,630', latched into pkr, SD for nite.
- FEDERAL "MM" COMM #1, 12,050 TD
- 10/23 SI 12 hrs, TP 900#, test csg to 2500#, Cecil Horne Wireline Co set plug in F nipple @ 11,645, unlatch from ER receptacle @ 11,618, displ csg w/ 9.5# TSW, latched onto receptacle, remove BOP, instl tree, SD for nite.