

GULF FEDERAL No. 2  
DST SUMMARY

DST No. 1 (Strawn Zone)

10,365 to 10,390'

20 min. preflow, strong blow, GTS in 4 mins. 2 hr. initial shut-in, 2-1/2 hr. 2nd flow, 20/64" choke, FTP 1200#, gas vol. 3.0 MMCFGPD w/very small amount distillate. 1-1/2 hr. 2nd shut-in, 3-1/2 hr. final flow on 32/64" choke, gas vol. 4.1 MMCFGPD for 1st 1/2 hr., decreased to 2.8 MMCFGPD, distillate surfaced. Flowed 19.5 bbls. of distillate last 2 hrs. Recovered 11.8 bbls. of distillate in DP. Sample chamber: 975#, 7.66 CF gas, 100 cc distillate (gravity 62° @ 60° F) IHP 5364#, FHP 5365#, IFP 641#, 2nd FP 1778#, FF 1271#, ISIP 4991#, 2nd SIP 4712#, FSIP 4701#. BHT 175°.

DST No. 2 (Atoka Zone)

10,832 to 10,902'

30" preflow, good blow, GTS 24" 1/2" choke, GV 80 MCFPD, 2 hr. ISI, 1 hr. 2nd flow 1/2" choke, GV 180 MCFPD, 2 hr. 2nd SI, 2 hr. FF 1/2" choke, GV 210 MCFPD decreased to TSTM @ end. 4 hr. FSI rec. 300' GCDM. Sample chamber contained 7.37 CF, 1060 cc DM @ 1575# press. (apparently had leak in sampler seal to get press. in tool). IHP 5668#, IF 111#, 2nd flow 212#, FF 124#, ISI 2548#, 2nd SI 2548#, FSI 2536#. BHT 185°.

DST No. 3 (Morrow Zone)

11,177 to 11,475'

20" preflow, had strong blow w/GTS in 10", rate 860 MCF through 1/2" choke. SI for 2 hr. ISIP, reopened on 24/64" choke 2 hrs. Gas rate 2.1 MMCFGPD w/520# FP. Flwd additional 3 hrs. on 32/64" choke w/FP 470# & rate 2.1 MMCFPD. Long flow period resulted from failure of test tool to shut in properly. Closed valve at surface for 5 hrs. to obtain FSIP. Press. 2750# & still building at rate of 100# per hr. Unable to unseat packer. Opened reverse circ. valve & reversed gas out of drill pipe. Unable to unseat packers. Ran Dia Log free point survey, found drill collars stuck @ 10,848' but free @ 10,835'. Now prep to spot 100 bbls. crude to attempt to free pipe. Appears to be differentially stuck in Atoka porosity. Spotted 100 bbls. crude to free differentially stuck pipe. Pipe came free after oil had been on spot 30 min. Pulled out of hole without additional difficulty. Sample chamber & 2 bottom drill collars plugged w/cuttings. IHP 5902#, 20" IFP 547#, 5 hr. FFP 1028#, 2 hr. ISI 4724#, 11 hr. FSI 4712#. BHT 188°.