

Gulf Federal No. 2 - Workover:

- 1-30-76 Strawn zone tbg. 1140# - Csg. 1450# - Morrow 1180# - Ran in hole w/1-1/2" CW plug w/McCullough Tool Wire Line. Set CW plug 5' above pkr. @ 10,438'. Released pressure from tbg. - blew down to zero indicating no hole in long string. Equalized pressure & ran Otis retrieving tool in Strawn tbg. & pulled -N- plug. Ran in Morrow tbg. & retrieved blanking plug. Placed both zones on production @ 5:10 P.M. - Released Otis Wire Line Service.
- 1-31 thru 2-02-76 Flowing both tubing strings to pipe line with the blanking plug removed from the short tubing string & the sliding sleeve in the short string closed. (i. e. - Morrow flowing thru long string - Atoka flowing thru short string, and Strawn shut in).
Ran gas analysis on both tubing strings (data attached). Analysis indicated Morrow gas from the long string and Atoka gas from the short string.
- 2-03-76 Shut in short string, opened casing annulus (Strawn) to pipe line, also flow long string (Morrow-Atoka) into pipe line.
- 2-05-76 Short tbg. string shut in. Casing annulus (Strawn) and long tubing string (Morrow-Atoka) flowing.
Ran gas analyses on both zones. Analyses indicates Morrow-Atoka gas being produced thru long string and Strawn gas being produced thru casing annulus (concluded that upper sleeve was closed & that top packer was not leaking).
- 2-6 thru 2-19-76 Flowing Morrow-Atoka thru long string & Strawn thru annulus.
- 2-20-76 Flwd. & tested both zones. Rigged up Jarrel Wire Line Service, but had to shut down on account of high winds.
- 2-21-76 Ran -N- plug in Strawn tbg. - closed sleeve. Attempted to blow well down but could not. Pulled -N- plug & found that plug could not seat because of a 1" stinger below -N- nipple. Removed 6" equalizing sub from bottom of plug & made a disc out of a copper one cent piece. Re-ran plug & seated. Blew well down to zero. Ran shifting tool & opened sleeve. Ran in Morrow tbg. with overshot, stem & jars. Jarred on fish 2-1/2 hrs., recovered fish neck off top of stem. Shut down for night.
- 2-22-76 Ran Bowen overshot & latched onto fish. Jarred 6 times & overshot tore up. Pulled out of hole (2-1/2 hrs.) overshot had split & swelled. Released Jarrel Wire Line Service & placed both zones on production.
- 2-24-76 Flow testing well. Strawn zone tbg. 540# - $480.8 = .620$ MCF/D - 16 oil & 3 water - Csg. 1300# - Morrow zone 480# - $480 - 1 = .220$ MCF/D
- 2-25-76 Testing into line. Morrow = 210 MCF Strawn 300 MCF
- 2-26-76 Testing into line. Morrow = 210 MCF Strawn 300 MCF
- 3-03-76 Flowing into line. Morrow-Atoka 250 MCF Strawn 300 MCF
Ran gas analysis (data attached). Analysis indicates the Morrow-Atoka is effectively separated from the Strawn.