Page 2 continued on GWDC BURTON STATE

2-27-75 Testing: orifice-2" w/flange taps: Meter run 4". Differential range-100" water column; Static range 1900 PSIG.

	choke	FTP	Duration	DiEE	Static	Rate	OII Prod
open flow	32/64	1200	135"	13	720	2474	104.4 BO
Point 1	16/64	1500	2.01	3.5	570	1080	no gauge
Point 2	18/64	1540	2.01	6	750	1715	11 11
Point 3	20/64	1500	25''	7	510	1528	1.5 08
Point 4	24/64	1425	2-3''	12.5	510	2042	no gauge

Ran out of tank room on last point. Produced 232 MCFG + 104.40 BO. Calculated GOR to be 2222:1.

- 1-30-75 Day 90. Flowed overnight on 2" choke thru separator. Flowed
 9.86 BC + 1.16 BW in 17 hrs. FTP 550# @ 9 p.m. FARO 1902
 MCFGPD. FTP 550# @ midnight. FARO 1748 MCFGPD. FTP 550# @
 8 a.m. FARO 1220 MCFGPD. Ran BHP bomb to 11,141' @ 8:30 &
 SI for 24 hr press. buildup.
- Day 91. Depth 11,506. SITP @ 7:30 a.m. was 1750#. CP 275#. 1-31-75 Retrieved 24 hr BHP bomb. Had 2130# @ 11,141'. Flowing BHP was 994# @ beginning of test w/500# corresponding surface pressure. Ran wireline tools and released tubing release. Dropped perf. gun to bottom. Perf. 11,452-11,458' w/1-11/16" ceramic jets, 2SPF. (12 holes). Surface pressure increased from 1750# to 1800# in 1 hr. Opened to pit on 3/4" choke. Press. decreased to 150# in 30 minutes. Had wtr to surf. in 20 minutes. Flow 2½ hrs on 3/4" choke @ 150# FTP. Had intermittent slugs of water & mist. Vol 2350 MCFGPD, Treated w/ 1500 gal. 75% MS acid + 65,750 SCFN w/22.7/8" balls. Flushed w/312 bbls 2% KCL water. Total load 672 bbls. Press. broke from 6000 to 5600 w/acid on lower perfs for 6 minutes. Upper perfs balled off. 3.7 BPM ave. injection rate. Max tr press 6000# & 5600# on flush. ISDP 4300'. 10 minute press 2250#. Opened to pits in 35 minutes. Had 1400# on tubing. Flowed water & nitrogen for 45 minutes. Well almost died. Left well flowing overnight.
- 2-1-75 Day 92. FTP @ 7:30 a.m. 90# on 3/4" ck. Flowing acid water. No gas. Switched thru stack pack @ 10:15 & F 2½ hrs on ½" ck. FTP 110# making est. vol. of 1000 MCFGPD. SI for 15 min. Pressure incr.to 500# on ½" ck @ 1 p.m. Faro 687 MCFGPD. Left flowing overnight for test.
- 2-2-75 Day 93. Flowed well 15 hrs on ½" ck. Gas volume decreased from 679,644 CFGPD to 485,460 CFGPD. Killed well w/10# brine. Unseated packer. Pulled tbg & pkr. Started running Halli-burton easy-drill cement retainer. Lacke: 50 stds getting in hole w/same. SD for night.
- 2-3-75 Day 94. SD for Sunday.
- 2-4-75 Day 95. Finished running tbg. Set Howco cement retainer @ 11,080'. Cemented perfs 11,142-11,150' & 11,452-11,458' w/ 50 sax Class "H" cement. Squeezed @ 5000#. Pulled out of retainer & reversed tbg clean (less than 1 bbl). Pulled 126 jts tbg & SD for night.
- 2-5-75 Day 96. Finished POH w/tbg. Ran cement bond log. TOC on 3rd stage @ 4696' & bottom of cement @ 5400'. ECP @ 5400'. TOC on 2nd stage @ 8280' & bottom of cement @ 9835'. TOC on 1st stage @ 10,300' to TOC retainer. Had good bond through Wolfcamp interval. Will perforate Wolfcamp today.

- 2-6-75 Day 97. Filled hole w/10# brine. Perf 9056-9084' (28) opp. Molfcamp lime w/4" csg gun 2 JSPF (56 holes). WIH w/Guiberson 55" Uni VI pkr, Guiberson on & off tool & N-80 Thg. Stripped off BOP & set pkr @ 9027', on & off tool @ 9015'. Landed tbg on bonnet & flanged up well head. Made 6 runs w/swab. Rec 20 bbls brine. Well started unloading brine wtr, then turned to gas & condensate. Put on 14/64" ck w/FTP 300#. Flowed for 15 min. & SI for high winds. Will turn to separator this A.M.
- 2-7-75 Day 98. PBTD 11,080'. 11 hr SITP 2050# Opened well on $\frac{1}{2}$ " choke through separator for 2 hrs. Made 30 bbls condensate w/no water. FARO 2431 MCFGPD w/FTP of 500#. Prep to take 4 point test & run BHP.
- 2-8-75 Day 99. SD. WO 4 point test.
- 2-9-75 Day 100. Running 4 point test.
- 2-10-75 Day 101. Running BHP buildup.
- 2-11-75 Day 102. Running BHP buildup.
- 2-12-75 Day 103. ST. WO results of 4 point test
- 2-13-75 Day 104. SI, WO results of 4 point test.
- 2-21-75 Prep to acidize w/1500 gallons mud acid w/ball sealers & nitrogen.
- 2-22-75 Treated W.C. perfs 9056-84' w/5"CF nitrogen pad, 1500 gal 15% MA w/1000 CFN2/ bbl. Flushed w/21 bbls KCL wtr w/1000 CFN2/bbl and 100 ball scalers in 3 stages spaced 9 bbls apart. Total load 57 bbls SITP @ start of job 2050#. Pressure increased to 5400#. Broke to 4900# when acid got in perfs. Got 100# increase w/last ball scaler on perfs. Average IR 4.9 BPM ISDP 3300#. 7" SIP 2500#. Started open flowing to pit on 3/4" choke. Had oil & gas to surface in 10". Flowed an additional 10". Reduced choke to 3/8". Stabilized @ 1140# in 10" Flowed @ 1140# for 10" ARO 3920 MCFGPD. Closed well in. SITP 1700# Prep to acidize w/10,000 gal 20% retarded acid.
- 2-23-75 SITP 2050#. Treated perfs 9056-84'.w/10,000 cubic feet of N2 pad and 10,000 gal of 20% retarded acid ± 1000 cu ft of N2 per bbl. Total load 264 bbls. Pressure broke from 8300# to 8000# and then increased to 8200# then broke back to 6800# and then increased back to 8600#. Average IR 9.5 BP1. TOTP 3200#, 15" STP 2200#. I hr SIP 2250#. Opened to pit on 3/4" choke. Had gas & condensate to surface in 10". Flowed 20" on 3/4" choke. Reduced choke to §". Pressure stabilized after 50" @ 1075#. Flowed additional 45" on §" choke w/1075#. Indicated rate 6,812 MCFGPD

2-24-75 Well is SI. 2-25 & 26-75 Well is Shutin.