NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

| MULTI-POINT | BACK | PRESSIER | ਪਾਣਵਾਸ | FOR | CAS | WELLS |
|-------------|------|----------|--------|-----|-----|-------|
| MODIT-POINT | DAUA | TULDOUNE | TEGI | run | GHD | |

| ool Undesi | enated | 17 1 | _Formation | McK | 00 | | _County L | 68 | | |
|---------------------------|--------------------|---------------------------------|------------------|--------------------------------------|---------------------------|----------------------|---------------------------------------|---------------|-----------------|--|
| nitial I | | _Annual_ | <u> 102 -</u> | Spec | ial | | Date of | Test_ | uy 25, 26, 19 | |
| ompany | Gulf Oil | Corp. | | Lease | G. C. 1 | latthews | Wel | ll No | 6 | |
| it <u>G</u> | Sec | 6 Twp. 20 | Rge | e 37 E | Purc | haser | None | | | |
| sing 4 | Wt .9.5 | I.D4 | .090 Se | t at 9 | 920 Pe | rf. 9746 | | то 9 | 81.2 | |
| bing 2.375 | Wt.4.7 | I.D 1 | .•995 Se | t at | 908 Pe | rf | | _To | | |
| s Pay: Fr | om 9746 | To 9812 | L_980 | x x | G 783 | | 7680 | Bar.Pre | ess13.2 | |
| oducing Th | ru: Cas | ing | Tul | bing | X | Type Wa | :11 Si n | gle | | |
| te of Comp | letion: | 7-26-6 | 1Packer | r <u>9672</u> | Sin | gle-Brade Reserva | enhead-G. oir Temp. | G. or | G.O. Dual | |
| | | | | OBSERV | ED DATA | | | | | |
| sted Throu | gh <u>(Prov</u> | er) (EREK | | E | | | Type Tap | os | | |
| | F | low Data | | | Tubing | Data | Casing I |)ąta | | |
| (Prove (Line | r) (Cho) (Orif | ice) | ss. Diff. | | | ŀ | Press. | 1 | i of Flo | |
| Size | Si | ze psi | g h _w | ° _F . | psig | °F. | psig | °F∙ | | |
| 2 | | 50 18. | <u> </u> | 42 | 2565 2499 | - | | | 10 minutes 2.50 | |
| 2 | 1. | | | 41 | 2469 | | | + | 2. | |
| 2 | 1. | | | 19 | 2451 | | | | 3. | |
| | 1. | | | 15 | 2300 | | | İ | 3. | |
| 2 | 1. | <u>50 33.</u> | 0 | | 2475 | L | <u> </u> | <u> </u> | 24. | |
| | | | | | CULATIONS | S | | | | |
| Coeff | icient | | Pressure | | - 1 | Gravity | | | Rate of Flow | |
| (0) | | | . | Fac | tor | Factor | Facto | | Q-MCFPD | |
| | 1 | √ h _w p _f | psia | F. | t | Fg | Fpv | I I | @ 15.025 psi | |
| 54.3 | 653 | | 31.2 | 1.01 | 78 | -8879 | 1.0 | 00 | 1532 | |
| 54.3 | 653 | | 39.2 | 1.01 | 38 | .8879 | 1.0 | | 1928 | |
| 54.3 | | | 46.2 | 1.04 | 19 | .8879 | 1.000 | | 2324 | |
| | 54.3653 | | 78.2 | 1.04 | | .8879 | 1.000 | | 3949 | |
| | drocarbon | Ratio | 106.2 | L.00 ESSURE C. cf/bbl. deg. | ALCU ATIO | Speci | | ty Sepa | 2253 arator Gas | |
| 9.93 | 6 | (1-e ^{-s} | 0.410 | | | Pc | 2578.2 | PC | 6647.1 | |
| P _w | P ² | F _c Q | $(F_cQ)^2$ | (F | cQ) ² -e-s) | P _w 2 | $P_c^2 - P_w^2$ | | Pw Pc | |
| 2512.2 | 6311 | | | | 5.0 | 6406.1 | 241.0 | 2531 | .0 .942 | |
| 2182.2 | | | | | 0.5 | 6311.8 | 335.3 | 2512 | | |
| 2464.2 | | | | | 3.6 | 6290.9 | 356.2 | 2506 | | |
| 2313.2 2 488. 2 | | | | | 5.3 | 5982.2 6396.4 | 664.9 250.7 | 2529 | | |
| | | | | | | | <u> </u> | <u>. 6767</u> | <u> </u> | |
| olute Pote PANY | | 47,63 | 7 | MCFPD; | 11 | -931 | | | | |
| RESS | Gulf Of | 72 Hobby | T A | | | | · · · · · · · · · · · · · · · · · · · | | | |
| | ILE | aytta | lson | Gas To | ter | | | | | |
| | | # J. O. N | | | | | | | | |
| PANY | Pago Na | tural Gas | Co. | | 1 7/16 | | | | - | |
| | | | | REM | ARKS | | | | | |

Produced 21.21 bbls distillate on 24 hr rate

"Well bore leads up with fluid when shut in.

INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- $P_c=72$ hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt- Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{W}}^{-}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.