MODES OFFICE OCC

Form C-122 Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

| Pool | Eument | |] | Formation_ | Seye | NOV | / 13 AM | 9 | Les | | |
|---|---------------------|---------------------|-------------------------------|------------------|------------|----------------------|----------------------|--|---------|--|--|
| Initial | X Annual_ | | | | Special | | | 13 AM 9 : 25 County 9-29-56 Date of Test 10-2-56 | | | |
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| | | | | | | | | | | las Company | |
| | | | | | | | | | | 76 | |
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| | | | | | | | | | | ss. 13.2 | |
| | | | | | | | | | | .O. Dual | |
| Date of | Complet | ion: 5 . | 16-51 | Packer | r | Sing | gle-Brade Reservo | nhead-G. ir Temp | G. or G | .0. Duai | |
| | | _ | | | | ED DATA | | | | | |
| ested : | Through | (Prover) | (Choles |) (Meter) | | | ` | Type Tap | s | | |
| | | | Data | | | Tubing | | Casing D | | | |
| | Prover) | (Cheke) (Orifice | Pres | s. Diff. | Temp. | Press. | Temp. | Press. | Temp. | Duration of Flow | |
| | Eiro | Size | psi | g h _w | °F. | psig | ° _F . | psig | °F∙ | Hr. | |
| SI | | 3000 | | | 0 1 | 625 | | | | 72 | |
| 2. | 2 | .1250 | 501 | | 71 | 501 | | | | 3 | |
| 3. | 2 | .212 | | | 76 | 482 | | | ļ | | |
| | 2 | .250 | 145 | , , | 71 78 | 455 | | | | | |
| 0. | Coeffici (24-Hou | , , | h _w p _f | Pressure psia | Flow | tor | Gravity | Compre Facto Fpv | r | Rate of Flow Q-MCFPD @ 15.025 psia | |
| | .3414 | | | 549.2 | .044 | | .9393 | 1.0 | 61 | 185 | |
| | -7451 -2431 | | | 106.9 | - 95 | <u> </u> | - 2127 | 1.0 | | 121 | |
| . 1 | LOS | | | 144.2 | 44.2 .949 | | .9395 | 1.050 | | | |
| s Liqu | id Hydro | carbon Ra | tio | PR. | cf/bbl. | ALCU ATI | Speci | | | rator Gas | |
| ravity of Liquid Hydrocarbons(1-e ⁻⁵) | | | 0.154 | deg. | | P _c 634.2 | | Pc 407.3 | | | |
| P _w | (psia) | Pt2 | F _c Q | $(F_cQ)^2$ | (F | cQ) ² | P _w 2 | $P_c^2 - P_w^2$ | | Pw Pc | |
| . \$ | 9.2 | 101-6 | 1.09 | 1-19 | | 44 | 121-1 | 105-5 | 142 | · | |
| 2 | 5.2 | 245.2 | 3.07 | 6.12 | 13.7 | 9 | 244.7 | 160.6 | Lo. | 7 78 | |
| | 4.2 | 219.2 | 3.76 | 17-77 | 2.1 | 3 | 221.4 | 125.9 | 170 | -5 -73 | |
| banlut | o Power- | 228.7 | .J.## | 1.44.37 | - חסים M | n | | · | | ************************************** | |
| COMPANY | e Potent | lal: | TATAS | COMPAN | | " | | | | | |
| ADDRESS | | | 1270 | | PEXA | | | | at 1 | | |
| | nd TITLE | | L ANT | ER, BIS | TRUET O | AN EAS | | 1 13 | | | |
| COMPANY | | | | ATURAL | DAS CON | PART | | | | | |
| This i | is a re | test. I | has to | the bac | | | re beli | g flat, | a 450 | slope was int back | |
| drawn Proses | through re- | h the hi t Manua | ighest | point e | f test | as requ | ired by | | lei-Po | int Back | |

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.
- Pc 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- $\mathbf{F}_{\mathbf{DV}}\mathbf{I}$ Supercompressability factor.
- n I Slope of back pressure curve.

Note: If P_w cannot be taken because of manner of completion or condition of well, then P_w must be calculated by adding the pressure drop due to friction within the flow string to P_t .