Form C-122

Revised 12-1-55

| | | | MULT | I-POINT B | ACK PRES | SSURE TES | r FOR GAS | WELLS | | Revise | ed 12-1-00 |
|---|----------------------------|----------------------|-------------------------------|------------------------------------|--------------|--------------------------------|--|-------------------------|--------------|----------------|---|
| Pool | | Mettix | | Formation | 7 Rive | rs, Qea | N 13 h | _County | Les | | |
| Init | ial | A: | nnual | lSpecial | | | | Date of Test4-9-63 | | | |
| Comp | any America | a Petrol | nu Corps | pration | Lease | da Wimber | rley | Wel | 1 No | 15 | |
| Unit | · _ S | Sec. 34 | Twp | Rg Rg | e. 37 | Purcl | haser | Xono | | | |
| Casi | ng 2-7/6"W | t. 6.5 | I.D. 2 | .441. Se | t at_M | % Per | rf. 274 | 61 | To 31 | 771 | |
| Tubi | ing W | /t | _I.D | Se | t at | Per | rf. | | To | | |
| Gas | Pay: From_ | 29461 T | 31771 | L 29 | <u>,61</u> | G 0.65 | Ma | 1925 | Bar.Pre | ss | 13.2 |
| Prod | lucing Thru: | Casin | g I | Tu | bing | | Type We | 11 0 | .O. Dua | 1 | |
| Producing Thru: Casing Tubing Type Well G.C. Deal Single-Bradenhead-G. G. or G.O. Dual Packer Reservoir Temp. | | | | | | | | | | | |
| | | | | | | ED DATA | | | | | |
| Tested Through (Prover) Type Taps | | | | | | | | | | | |
| - | | Flo | w Data | | | Tubing | Data | Casing D |)ata | T | |
| N. | (Prover) | (Choke |) Pres | s. Diff. | Temp. | Press. | Temp. | Press. | Temp. |] | Duration of Flow |
| No. | (Prover) (Line) Size | Size | e) psi | g h _w | °F. | psig | °F. | psig | □F. | | Hr. |
| SI | | |] | | | 362 | | | | | 72 |
| 1. | 1 | .75 .75 |) 45 | | 63 | 337 | | <u> </u> | | ├ | -} |
| 2. 3. 4. 5. | | .87 | | | 65 | 31.2 | | | | | 3 |
| 4. | | | | | | | , | | | | |
| <u> </u> | | | | | | | | | | | |
| | Coeffici | ent. | | FLOW CALCULATI Pressure Flow Temp. | | | ONS Gravity Compress. Rate of Flow | | | | |
| No. | \ | | | | | tor | Factor | Factor | | Q-MCFPD | |
| | (24-Hour) √ | | h _w p _f | psia | | 't | Fg | F _p v | | @ 15.025 psia | |
| 1. 2. | 3.5233 | | | 59.2 | .99 | | ,9608 | | | 312,7 642,2 | |
| 3. | 12.2023 | | | 35.2 32.2 | .991 | | .5404 | | | 67.6 | |
| 3° 4° | | | | | | | | | | | |
| 5. | | | | | | | | | | | |
| | | | | PR | ESSURE (| CALCULATION | ONS | | | | |
| | Liquid Hydro | | | Dry | cf/bbl. | • | | | | | Gas 0.45 |
| Gravi | ity of Liqui | d Hydroc | arbons_ (1-e ^{-s} | deg. | | | Specific Gravity Flowing Fluid Property Pc 110.6 | | | | |
| ⁷ с | 7,000 | : | (T_e | .123 | | - | ^г с | 2(7.6 | —- c—— | | |
| | $P_{\mathbf{w}}$ | | | | | | | | 7 | | |
| No. | | $P_{\mathbf{t}}^{2}$ | ${	t F_c}{	t Q}$ | $(F_cQ)^2$ | (1 | $(c_{c}Q)^{2}$ $(c_{-e}-s)$ | P_{w}^{2} | $P_c^2 - P_w^2$ | Ca | 1. | $\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$ |
| | Pt (psia) | 137.0 | 1.844 | 4.464 | | I-e-0) | 137.4 | 4.4 | 370. | W | 1 C |
| 2. | 14.2 | 121.2 | 3.767 | 11.10 | 1. | 435 | 122.4 | 17.9 | | 5 | 13.4 |
| 1. 2. 3. 4. | 385.2 | 105.8 | 4.713 | 24.138 | 2.1 | P7 | 188,8 | 32.0 | 327 | # - | 87.9 |
| 5. | | <u></u> | | | | | | | | | |
| | olute Potent | ial: | 1990 | • | MCFPD | n 9.4 | 29 | | | | |
| COMI | PANY Amoreda | Petrale | E Corpo | ration | | | | | | | |
| | RESS BOX 756 | | | rios La Magr., | El Pass | Matural | Gas Co. | | | | |
| WITI | NESSED | | | | 7.7.7. | | | | | | |
| COM | PANY | | | | REI | MARKS | | · | | | . / <i>i</i> |
| | | | | | | | | | | / | 1/11 |

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 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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} .