NEW MEXICO OIL CONSERVATION COMMISSION

7/7/7

Form C-122

| | | | M | ULTI- | POINT | BACK PRE | SSURE TI | EST FOR GA | AS WELLS | | Revised 12-1-5 | |
|---------------------------|---|----------------|--|---------------|--|--|---------------------------------------|----------------------------------|---|-------------------------|---|--|
| Pod | olUnder | Lensted | <u> </u> | Fo | rmatio | n San i | indres | | County | Roose | relt | |
| Initial X Annual Annual | | | | | | | | | | | | |
| Company hearburg & Ingraz | | | | | | | | | | | | |
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| Cas | it s | 32. Wt. 10. | 5 T.D. | 7.90 | 7 | 410 | (O) | one he | 2020 | m- \. | Paga | |
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| | ping 2 3/8. | | | | | | | | | | | |
| | Pay: From | | | | | | | | | | | |
| 110 | ductus lind | : Cas | ing | . | Tubing X Type Single-Bra Packer 4414 Reser | | | | Well single denhead-G. G. or G.O. Dual | | | |
| Dat | e of Comple | tion: I | 1-24-63 | · | Packe | er 4414 | | Reserv | oir Temp. | 104 | 9 | |
| | | | | | | OBSERV | ED DATA | | | | | |
| Tes | ted Through | (Prove | er) (Chr | ke) į | Neter | <u>)</u> | | | Type Tap | os | - | |
| | Flow Data | | | | T | | | g Data | Casing I |)at.a | T | |
| No. | (Prover) | (Orifi | ke) Pr | ess. | Diff. | Temp. | Droce | Town | Descrip | (7) | Duration | |
| | Size | Siz | ze p | sig | h _w | °F. | psig | °F. | psig | ο _F . | of Flow Hr. | |
| SI | 194 | | | | | | 1287 | List G | | | 72.0 | |
| 1. 2. | 2# 2# | 3/8 | | 6 | - | 3H3 | 206 | 530 | FRE | | 5.0 | |
| 2 . 3 . | 2" | 3/5 | | | - | 620 | 536 765 | 1110 62 | - | 1 | 5.0 | |
| 4. 5. | 24 | 1/4 | | | | 660 | 995 | 660 | - | - | 17.0 h.0 | |
| No. | | | | | | Flow Factorial Flow Factorial Flow Factorial Flow Factorial Flow Factorial Flow Factorial Flow Flow Flow Flow Flow Flow Flow Flo | | tor Factor | | r | Q-MCFPD @ 15.025 psia | |
| 3。 | 3.0691 | | | | 7.2 0.9981 | | 0.92% | | 1.031 | | 728.0 651.1 | |
| 5. | 1.4030 | | - 362 | | .2 | 0.9943 | | .9298 | 1.041 | | 487.0 | |
| avi | iquid Hydro ty of Liqui 9.935 Botton | d Hydro | carbons_ (1-e | s) 0 | .195 | deg. | | Speci Speci ^P c | fic Gravi fic Gravi 521.2 | ty Flow _Pc 2 | rator Ga 0.7000 ing Fluid <u>-</u> 314.0 | |
| | Rt (psia) | Pt2 | F _c Q | | (F _c Q) ² | (F | Q) ² -e ^{-s}) | P _w 2 | P _c -P _w ² | Ca | l. $\frac{P_{w}}{P_{c}}$ | |
| | 701.2 | - | - | 1 | - | - | | 250.2 | 2053.8 | _ | w | |
| | 909.2 | - | - | - | - | | | | 1822.3 1487.4 | - | _ | |
| | 175.2 | - | • | | ** | - | | 381.1 | 932.9 | - | • | |
| OMP. DDR: GEN' | T and TITLE | Yearbu | 890.0 Fg & Ing with Kent a Petrol | BOLY | Ave., | MCFPD; | 1757-B | osvell, N | W Next co | | | |
| LIN | ESSED | - | | | | | | | · Kojien | new | | |
| OMP | ANY | | | | | REMA | RKS | | | | | |

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 = Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 60° F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_{w} 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.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n _ Slope of back pressure curve.
- Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.