Will take

NEW MEXICO OIL CONSERVATION COMMENSION

HOSES OFFICE GOO

Form C-122

MULTI-POINT BACK PRESSURE THAT FOR the WELLS

Formation Queen 9:55

County Lea

| | | | .al | | Spec | ial | | Date of | Test • | 5~24-5 0 | |
|--|----------|-----------------------------|----------------|----------------|------------------|------------------|---------------------------------------|------------------------|-----------------|-----------------------------------|--|
| mpany_ | The Tax | | | | Special | | | | | | |
| | | s Comp | ARY | | Lease tta | to of N | , X, ", | Wel_ | .l No | 3 | |
| .t | Sec. | 24 Tw | p. 19- | Rg | e. <u>36-8</u> | Purch | aser Pe | mian Ba | sin Pi | ipe Line Co | |
| ing_5 | 1/2 Wt. | 14 I | .D. <u>5</u> | 012 _Se | t at_35 | 65 Per | ·f | | То | | |
| ing_2 | 3/8 Wt. | 4.70 I | .D | 995 Se | t at _35 | 73 Per | ·f35 | 64 | To | 567 | |
| Pay: | From | 65_To_ | 3.000 | _L_35 | 64x | 670 | | 88 | Bar.Pr | ess13.2 | |
| | | | | | | | | | | G.O. Dual | |
| e of Co | mpletion | ı: 7 _ | 9_4L | Packe | r | Sing | le-Brade Reservo | enhead-G. oir Temp. | G. or | G.O. Dual | |
| | • | | | | | | | | | | |
| 2 = 1 | 60% | 1 2 = 1. | 78% | | OBSERVI | ED DATA | | | | | |
| ted Thr | ough (E | rover) (| Choke) | (Meter) | | | | Type Tap | s P | pe | |
| | | Flow D | | | | Tubing | | Casing D | | | |
| (Li | ne) (C | C heke) Prifice) | Press. | Diff. | | Press. | • | | Temp. | of Flo | |
| | lze (| | psig. | h _w | °F. | psig | °F. | psig | [⊃] F• | Hr. | |
| | | | | | | 1005.2 | | 1005.7 | | 72 1/2 | |
| | | 2.00 | 455.3 | | 7 <u>1</u> 70 | 740.0 | | \$52.0 \$32.7 | | 23 3/4 | |
| - | | 2.00 | 451.4 | 10.5 | 73 | 880.5 | | 906.6 | | 23 3/4 | |
| | | 2.00 | 442.3 | 2.9 | 80 | 944.5 | | 951.3 | | 24 1/4 | |
| | | | | 1 | FLOW CALO | UII.ATTONS | } | | _ | | |
| Сое | fficient | | Pre | | Flow 1 | Cemp. | Gravity | Compre | ss. | Rate of Flor | |
| | | 7 hwpf | | psia Fac | | tor Factor | | F _{pv} | | Q-MCFPD. @ 15.025 ps: | |
| | 1.92 | | | 69.9 | .989 | | .9463 | 1.0 | | 3.647 | |
| | .92 | | | | .5 .9905 | | .9463 | 1.042 | | 3.588 | |
| | .92 | | | 55.5 | 987 | | 9463 | 1.0 | V - | 2,035 | |
| | | | | | | | | | | | |
| | | | | PRI | ESSURE CA | ALCULATIO | NS | | | | |
| | Hydrocar | | | | cf/bbl. | | Speci | fic Gravi | ty Sepa | arator Gas | |
| rity of Liquid Hydrocarbons (1-e ^{-s}) | | | | | | | ific Gravity Flowing Fluid | | | | |
| | | ' | 1-e - <u>/</u> | | | | ² c | OLE.9 | C | 1038.2 | |
| $P_{\mathbf{w}}$ | | 2 | | | | 2 | ······ | 2 2 | T | | |
| Pt (p | (sia) | $P_{\mathbf{t}}^2 \mid F$ | cQ | $(F_cQ)^2$ | (F ₀ | (Q) ² | P_w^2 | $P_c^2 - P_w^2$ | , | $P_{\mathbf{w}}$ $P_{\mathbf{c}}$ | |
| \$65. | | | | | | | 744.6 | 289.6 | | P _w P _c | |
| 45. | 2 | | | | | | 715.5 | 322.7 | | .83 | |
| 919. | * | | i- | | | | 846.0 930.3 | 192.2 | | 90 | |
| | | | | | | | | | | | |
| olute F PANY | orential | - 1 | 010 | DEPART | MCFPD; | n1.0 | (Linit | ed) | | | |
| RESS | | BOX 1 | | IBLAND | TRIAS | | | 21 | | | |
| NT and NESSED | TITLE | L. I. | BAKER | DIST | RICT GA | | ٧ | 1 | Pak | | |
| IPANY | | PERMI | | RRETT | R LINE | COMPANY | · · · · · · · · · · · · · · · · · · · | | | | |
| | | | | | REM | 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 \square 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
- PwI 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
- P_{f} Meter pressure, psia.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- FgI Gravity correction factor.
- F_t : Flowing temperature correction factor.
- Fpil 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 $P_{\mathbf{t}}$.