NEW MEXICO OIL CONSERVATION COMMISSION

__County_

Form C-122 Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Formation County

Pool _____Emont

| Initi | ial | | Annı | ual | | Spec | cial | | Date of | Test_8-6 | to 8-10-56 | |
|--|-------------------------|--------------|----------------|---------------------------------------|--|------------------|--------------------------|------------------------------|--|------------------|--|--|
| Compa | ny R | mble (| Al & Res | fining | Company | Lease | N.M. Sta | te B | Wel | l No | 1 | |
| | | | | | | | | | Paso Mate | | | |
| Casin | ng 7 | Wt | 24 1 | .D. 6. | 366 Se | t at 39 | Pe | rf | 0 | To | 55 | |
| Tubin | g 2 | Wt | 6.5 | KK _ 3 | .\$75 Se | t at | 799 Pe | rf. | ~ | То | 1 | |
| Gas P | ay: Fr | om33 | 00_To_ | 3655 | L | 3300 | G 0.670 | | 2211 | Bar.Press | . 13.2 | |
| Produ | cing Th | ru: (| Casing_ | x | Tu | bing | | Туре We | ell enhead-G. | O. Dual | | |
| Date | of Comp | letion | : 4-1 | 9-53 | Packe | r | Sin | gle-Brade Reservo | enhead-G. oir Temp | G. or G |). Dual | |
| | | | | | | OBSERV | ED DATA | . – | | | | |
| Teste | d Throu | gh <u>(1</u> | POVERFOR | Giloke) | (Meter) | • | | | Type Tap | sFlan | g• | |
| | | | Flow D | ata | | | Tubing | | Casing D | ata | | |
| No. | (Free: (Line |) (0 | ment) | Press. | Diff. | Temp. | Press. | Temp. | Press. | | Duration | |
| | Size | | Size | psig | h _w | °F. | ps i g | °F. | psig | ⊃ _F . | of Flow Hr. | |
| SI | | | | | | | | | 975 | | 73 | |
| 2. | 4 | | .000 | 562 | 16.41 | | | | 851 | | 24, | |
| 3. | 1 | | 1,000 1,000 | 363 | 27.04 | | | | 772 | | 24 | |
| 1. | 1- | | 1.000 | 54.9 573 | 17.61 5184 | 72 | | | 701 655 | | 24 | |
| 5. | | | | | | | | | 400 | | | |
| No. | Coefficient (24-Hour) | | | $\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$ | | Flow Fac F | tor t | Gravity Factor Fg | | r Q | Rate of Flow Q-MCFPD @ 15.025 psia | |
| L. 2. | 6.135 | | 98. | 3 5 | 75.2 6.99 75.2 6.99 | | 2 | 0,9463 | 1,064 | | 605 764 978 | |
| 3. | 6.133 | | 163 | | 2.2 | 0.99 | 3 | 0.9463 1.06: 0.9463 1.05: | | , , | 764 | |
| ·• | 6.135 | | 174 | | 86,2 0.9 | | | 0,9443 | 1,060 | | 1061 | |
| + • > • | | | | | | | | | | | | |
| avity | | | on Ratio | | | cf/bbl. | ALCU!ATI(| Speci Speci | fic Gravit fic Gravit | y Flowin | | |
| 0. P | w t (psia | ,) | Pt Fo | Q •543 | (F _c Q) ² | / / T. | Q) ² -e-s) | P _w 2 | P _c ² -P _w ² | Cal. | P _w P _c | |
| | 805.2 | | | .360 | 0.13 | | .04 | 746.8 | 229.7 328.1 | 805.2 | | |
| | 714.2 | 5 | 0.1 0 | .863 | 0.743 | | 11.1 | 510.2 | 466.3 | | 72.3 | |
| | 668.2 | | 6.5 0 | | 0.843 | 0, | 12 | 146.6 | 529.9 | 668.3 | 67.6 | |
| bsolu OMPAN DDRES CENT ITNES | S Boo and TIT SED | LE / | Hobbs, | N.V. | man de la companya della companya della companya de la companya della companya de | _MCFPD; | n 0. | | | | | |
| | | | , | | - | 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
- 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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} .