NEW MEXICO CIL CONSERVATION COMMISSION

Form C-12

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

| ×2 | r O. | . 181 | U-IZZ |
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| Revis | sed | 12 | -1-55 |

| Poc | ol Angels | Wax wax | cta | F | ormatio | n akot | a | | County_ | San Ji | uan |
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| Ini | tial | <u> </u> | Ann: | uel | | Spec | cial | | Date of | Test_Ju | ly 30, 1959 |
| | | | | | | | | | | | |
| | Unit H Sec. 32 Twp. 28N Rge. 10N Purchaser Southern Union Gas Company | | | | | | | | | | |
| Cas | ing <u>4-1/2</u> | Wt. 11. | 6 <u> </u> | 4.0 [.D. 4.0 | 90 & <u>00</u> _s | et at 560% | ? Pe | erf. 646 | É | To 6: | 524 |
| | | | | | | | | | | | |
| | Tubing 2-3/8 Wt. 4.7 I.D. 1.995 Set at 6449 Perf. Open ended; no perforations To Gas Pay: From 6466 To 6524 L 6449 xG 0.70 (est)_GL 4514 Bar. Press. 12 | | | | | | | | | | |
| | Producing Thru: Casing Tubing Type Well Single Cas Single-Bradenhead-G. G. or G.O. Dual | | | | | | | | | | |
| Date | e of Compl | etion: J | ulv 9. | . 1959 | Packe | er None | Sin | gle-Brade | enhead-G. | G. or G | .O. Dual |
| | • | - | <u> </u> | | | | ED DATA | 10301 V0 | ti temb. | | |
| Test | ted Through | h (-B | | (1h = 1 = 1 | () | | ED DAIR | | _ | | |
| | | | | | Anacas. | <u>. </u> | | | Type Tap | | |
| $\overline{}$ | Всоюн | | low D | Press. | Dice | | Tubing | | Casing D | | |
| No. | (Line) | (xCorotx | ixce) | | | 1 | | Temp. | Press. | | Duration of Flow |
| 0.7 | Size | | .ze | psig | h _w | °F. | psig | °F. | psig | [⊃] F• | Hr. |
| SI 1. | Shut in | | | | | F6127 - 1 1 | 1986 | | 2000 | | |
| 2. | <u>2"</u> | 3/4 | <u> </u> | 515 | | O'(est) | 735 | 60°(est) | 13/1 | 60°(es |) jhra. |
| 3. | | | | | | | | | | | |
| 4. [5. | | | | | | | | | | | |
| <u>5. l</u> | | | | | | | | | | | |
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| | Coeffic | ient. | | Pre | essure | FLOW CALC | | | 10. | | |
| No. | | | | | ļ | Fact | or | Gravity Factor | Compre Facto | I | Rate of Flow Q-MCFPD |
| | (24-Ho | ur) | ղ∕ հ _w բ |)r] | psia | F ₊ | | Fg | | | 9 15.025 psia |
| 1. | 12.365 | | | | 527 | 1.000 | | · 9258 | 1.068 | | 6443 |
| 1. 2. 3. 4. 5. | | | | | | | | | 1,000 | | 0443 |
| 3. | | | | | | | | | | | |
| 2. | | | | | | | | | | | |
| 2. | · | | | | | | | | | | |
| ravi | iquid Hydr ty of Liqu | id Hydro | carbo | ons -e-s) | | cf/bbl. deg. | LCU ATIC | Specif Specif | ic Gravit | y Separ y Flowi Pc 3,99 | ng Fluid |
| lo. | P _w Pt (psia) | $P_{\mathbf{t}}^2$ | Fc | Q | (F _c Q) ² | (F _c | Q) ² e ^{-s}) | P _w 2 | $P_c^2 - P_w^2$ | Cal Pw | , - 100 |
| : : : | | | | | 10 Fig. 10 Fig | | I, | 830,609 | ,161,395 | w | |
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| 5. | | | | | | | | | | | 1 |
| <u>. </u> | | | | | | | | | | | |
| bsol COMPA | Lute Potent | ial: n Americ | | ,206 | COPPOR | MCFPD; | n_ 0.75 | | | • | |
| DDRESS Box 467, Farmington, New Mexico | | | | | | | | | | | |
| GENT | and TITLE | K. 4. | Hau er | , Jr., | Area M | gineer | ZMF | Saul | 1 | | |
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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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c= 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 .

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