Form C-122 Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

| Poo | 1 BL | uneo | F0 | rmation | . Ho sav | erde | | County_1 | tio Arr | iba | |
|---|---|----------------------|--------------------|--------------------|---------------------------------------|---------------------------------------|-----------------------|------------------------|------------------|------------------------------------|--|
| Initial M Annual | | | Special | | | | Date of | 10-11-56 | | | |
| Com | pany Pacific | Morthwest | Pipelin | Corp | Lease | 29-5 | | Wel | 1 No | 36+33 | |
| Uni | t <u>L</u> 5 | Sec. <u>33</u> T | wp. 29- | Rg | e <u>5₩</u> | Pur | chaser | ot Connect | ed. | ···· | |
| Cas | 7-5/8 ing <u>5-1/2</u> W | 't | I.D | Se | 366 t at_ 592 | 9 7 2 6 Po | erf | 5788 | То | 5274 | |
| Tubing wt. I.D. | | | | Se | Set at 5748.69 Perf | | | To | | | |
| Gas Pay: From 5274 To 5788 L KG .690 GL Bar. Press. 12.0 | | | | | | | | | | | |
| Producing Thru: Casing Tubing XX Type Well Single—Bradenhead—G. G. or G.O. Dual | | | | | | | | | | | |
| Date | e of Complet | ion: | | Packe | r | Sin | ngle-Brade Reserve | enhead-G. oir Temp. | G. or (| G.O. Dual | |
| | - | | | | | ED DATA | | | | | |
| Test | ted Through | (Percusar) | (Choke) | (Matroma) | | | | Type Tap | s - - | | |
| | | Flow | | | ₋ | | g Data | Casing D | | <u> </u> | |
| | | (Choke) | Press. | Diff. | Temp. | | | Press. | Temp. | Duration | |
| No. | Size | (Size | psig | h _w | o _F . | psig | °F. | psig | o _F . | of Flow Hr. | |
| SI | | | | | | 1082 | | 1081 | | Shut in | |
| 1. 2. | 2 | 3/4 | 314 | | 74 | 314 | 74 | 713 | | 3 hours | |
| 3. 4. | | | | | | | | | | | |
| 5. | | | | | | | | | | | |
| No. | Coefficient (24-Hour) $\sqrt{}$ | | Pressure | | Factor | | Gravity Factor | | | Rate of Flow Q-MCFPD @ 15.025 psia | |
| 1. 2. | | | | 22/ | 58/8 | | 0305 | 3 407 | | (200 | |
| 3 c 4 . 5 . | 14,1605 | | | 326 | .9868 | | .9325 | 1.034 | | 4392 | |
| 5. 1 | | | | | | | | | | | |
| ravi | Liquid Hydro | d Hydrocarl | | | cf/bbl. deg. | | Speci Speci | | ty_Flow | arator Gas ving Fluid 196.8 | |
| No. | P _w | P _t 1 | F _c Q | $(F_cQ)^2$ | (F ₀ | Q) ² -e ^{-s}) | P _w 2 | $P_c^2 - P_w^2$ | Ca | Pw Pc | |
| 1. | rt (psia) | | | | العدد ح | | | | | w - c | |
| 3. 4. | 725 | GORGIO CO | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | 525.6 | 671.2 | ļ | 1.783 | |
| <u>4.</u> 5. | | | | | 3 3/1 | | | | <u> </u> | | |
| COMP ADDF AGEN | PANY Pacific RESS 405 U. NT and TITLE NESSED | Berthart Breedury | Pipelin Farming | c Carpo ton, Re | ration v Mexico vil Test | | 1.543 | | | | |
| COM | PANY | | | | REMA | ₹ | | Ou o | CON CO | M. | |

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 600 F.
- Pc= 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.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.

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