Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Flow Data Tubing Data Casing Dat	No. 7 PAL GAR COMPANY
Unit	ta Temp. Duration of Flow Hr.
Casing Wt. 10.50 I.D. 1.650 Set at 6511 Perf. 6321 To Tubing 11s Wt. 2.00 I.D. 1.650 Set at 6511 Perf. 6321 To Gas Pay: From 6321 To 6171 L 630 xG 710 GL 15.13 Be Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. Date of Completion: 10-1-63 Packer Reservoir Temp. OBSERVED DATA Tested Through (Choke) Press. Diff. Temp. Press. Temp. Press. Temp. No. (Line) (Orifice) Size Size psig hw OF. psig OF. psig SI 1231 1273 1. 2 3/4 245 746 245 746 246 5.	ta Temp. Duration of Flow Hr.
Tubing 112 Wt. 2 on I.D. 1600 Set at 4002 Perf. 6302 To Gas Pay: From 6301 To 6172 L 6302 xG 710 GL 65.13 Be Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. Date of Completion: 10-1-63 Packer Reservoir Temp. OBSERVED DATA Tested Through (Prover) (Choke) (Press. Diff. Temp. Press. Temp. Press. Temp. Press. Temp. Press. Temp. Size Size psig hw OF. psig OF. psig SI SI 1231 1973 1. 2 3/4 245 740 245	ta Temp. OF. Duration of Flow Hr.
Gas Pay: From Coal To Last RG 710 GL 15.13 Be Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. Date of Completion: 10-1-63 Packer Reservoir Temp. OBSERVED DATA Tested Through (Prover) (Choke) (Nature) Tubing Data Casing Data (Prover) (Choke) Press. Diff. Temp. Press. Temp. Press. No. (Line) (Orifice) Size Size psig hw OF. psig OF. psig SI 1231 1973 1. 2 3/4 245 740 245 740 245 740 55.	ta Temp. Duration of Flow Hr.
Producing Thru: Casing Tubing Type Well Simele-Bradenhead-G. G. Bate of Completion: 10-1-63 Packer Reservoir Temp. OBSERVED DATA Tested Through (Prover) (Choke) (National) Flow Data Tubing Data Casing Data (Prover) (Choke) Press. Diff. Temp. Press. Temp. Press. No. (Line) (Orifice) Size Size psig hw OF. psig OF. psig SI 1231 1973 1. 2 3/4 245 746 245 746 326 FLOW CALCILLATIONS	ta Temp. Duration of Flow Hr.
Date of Completion: 10-1-63 Packer Reservoir Temp.	ta Temp. Duration of Flow Hr.
Tested Through (Choke) (Matter) Type Taps Flow Data (Prover) (Choke) Press. Diff. Temp. Press. Temp. Press. (Line) (Orifice) Size Size psig hw OF. psig OF. psig SI 1. 2 3/4 245 740 245	ta Temp. Duration of Flow Hr.
Tested Through (Choke) (Choke) (Manual) Flow Data Flow Data (Prover) (Choke) (Press. Diff. Temp. Press. Temp. Press. (Line) (Orifice) (Orifice	Temp. Duration of Flow Hr.
Flow Data Flow Data (Prover) (Choke) Press. Diff. Temp. Press. Temp. Press. (Line) (Orifice) Size Size psig hw OF. psig SI 1. 2 3/4 245 740 245 740 245 FLOW CALCULATIONS	Temp. Duration of Flow Hr.
(Prover) (Choke) Press. Diff. Temp. Press. Temp. Press. (Line) (Orifice) Size psig hw OF. psig OF. psig SI 1. 2 3/4 245 740 245 740 245 2. 3. 4. 5.	Temp. Duration of Flow Hr.
No. (Line) (Orifice)	of Flow Hr.
SI 1831 1973 1. 2 3/4 245 740 245 740 826 2. 3. 4. 5. FLOW CALCULATIONS	7 DAY
1. 2 3/4 245 740 245 740 233 3. 4. 5. FLOW CALCULATIONS	
3. 4. 5.	
5. FLOW CALCULATIONS	
FLOW CALCITATIONS	
(24-Hour) \(\gamma \) n_wp_f psia rt rg rpv	Rate of Flow Q-MCFPD @ 15.025 psia
1. 12.3650 257 .966 .9193 1.029	
3.	
5.	
PRESSURE CALCULATIONS	
ravity of Liquid Hydrocarbons deg. Specific Gravit	y Separator Gas y Flowing Fluid
c(1-e ⁻⁵)P _c 1985	C
No. $\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Cal. Pw Pw Pc
1. 702.2 3236.0	122
1. 702.2 3236.0 2. 3. 4. 5.	
4. July 15. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	
Absolute Potential: 3437 MCFPD; n .75	T 2 2 1963
COMPANY SOUTHERN LINEAR PRODUCTION COMPANY ONL	66
AGENT and TITLE Venue Rookson B. Junion Egyster) is: 3
WITNESSED Meman McAnnally COMPANY EL Page National Gas Company	
(3) New Mexico Oil Conservation Commission REMARKS (1) Mr. Paul J. Clote (1) El Pago Natural Gas Company - Propation Dept. Box 1492, El Pago, Texas (2) Mr. H. L. Kensricks, P. O. Box 990, Famington, New Mexico	•

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 I Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}^{-}$ 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- $F_{\rm DV}$ 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_{+} .