MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Flow Data Flow Data Tubing Data Casing Data (Prover) (Choke) Press. Diff. Temp. Press. Temp. (Line) Size Size Press Flow CALCULATIONS Coefficient Pressure Factor Factor Factor Factor Factor Factor Factor Factor Fress Temp. Press. Temp. Press. Temp. Press. Temp. Fress Fress Temp. Fress Fress Temp. Fress Fre	Bar.Press. G. G. or G.O. Dual mp. Taps ng Data s. Temp. Duration of Flow Hr. Tays Rate of Flow
Single	Bar.Press. G. G. or G.O. Dual mp. Taps ng Data s. Temp. Duration of Flow Hr. Taps Rate of Flow
Tubing Type Well Single-Bradenhead-G. G. or G.O. Reservoir Temp. Reservoir	-G. G. or G.O. Dual mp. Taps
Acte of Completion: 17/25/F9 Packer	Taps
Acte of Completion: 17/25/F9 Packer	Taps
ested Through (Prover) (Choke) (Meter). Flow Data Tubing Data Casing Data (Prover) (Choke) Press. Diff. Temp. Press. Temp. Press. Temp. (Line) (Orifical Size psig hw OF. psig OF. psig OF. psig OF. FLOW CALCULATIONS FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate Factor Fa	ng Data s. Temp. Duration of Flow Hr. 7 days 1 hours
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FLOW CALCULATIONS Coefficient (24-Hour) Thwpf This is a second secon	mpress. Rate of Flow
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FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress. Rate Factor Fact	<u> </u>
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Coefficient	<u> </u>
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	actor Q-MCFPD
	F _{pv} @ 15.025 psia
	1.011 1,1.39
Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separate	
vity of Liquid Hydrocarbons deg. Specific Gravity Flowing P _C P ² C 26	ravity Flowing Fluid
$P_{\mathbf{W}}$	2
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367 71,2% 199,655	#34 Ball
	-34 4473



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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- FtI 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 $P_{\mathbf{t}}$.

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