MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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•	Form C-122
a Revi	sed 12-1-55

Pool		Jalmat		F	'ormation	n	Yates		County_		ies	
												5-31 1957
Compa	ny South	ern Ca	liforn	ia Pet	r.	Lease	Hun	ter	We:	ll No	1	
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<u>- </u>			<u> </u>		PRI	ESSURE CA	ALCUIATIO	ons		1		
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	of Liqu					deg.		Speci	fic Gravi	ty_Flow	ving A	luid
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P					.					 		
) • l		P.	$\stackrel{2}{t} \mid F_{c}$	Q	$(F_cQ)^2$	(F.	$_{2}^{Q})^{2}$	P _w 2	$P_c^2 - P_w^2$	Ca	11.	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$
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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 \equiv 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.
- PcI 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
- 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.
- Fny 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_{+} .