MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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ompany Sout	nii.:	73 <u>.</u> ************************************		Spec	ial		_Date of '	Test <u>37</u> J	1y, 1957
	hern Union	Gas	I	ease	Nordh	aus	Wel	l No3_	
nitS	ec. <u>11</u> T	√031N	Rge	9W	Purch	aser_So	thern Un	ion Gas C	0
asing 51 W	t 1 5.5_	I.D	9 95 Set	at <u>558</u>	<u>Per</u>	f. 509	92	To <u>5506</u>	
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	nay	209 177	•		ED DATA				
ested Through <u>(Freveryx(Choke)</u> X			(Mexexx)x	Meterixx			Opened at 2:40 P. M. Type Taps		
	Flow I				Tubing		Casing Da		
(Prover) (Line)	(Choke)		1	1	Press.			}	Duration of Flow
Size	Size	psig	h _w	°F.	psig	°F.	psig	 	Hr.
	3/4	236		71 0	827 236	710	1071 688		61 Days 3 Hours
5									
Coeffici			essure	Flow Fact	tor	Gravity Factor	Compre Facto	r Q	te of Flow -MCFPD 15.025 psia
			21,8	0.98		0.9163	1.02		2,950
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2,36 50			-						
s Liquid Hydro	carbon Rat:	io		o°∕abl.	ALCOLATIC	Speci	fic Gravi		
rity of Liquid Hydrocarbons deg. Specific Gravity Flowing F									
		`				P w	700	_P 2	490
P _w Pt (psia)	Pt :	Fc	$(\mathbf{F_c}\mathbf{Q})^2$		co. 2 e-s)	P _W 2	$P_c^2 - P_w^2$	Cal.	
						- 490	- 68 9↓l ‡		
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				_MCFPD;	n0	75			
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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 I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 F.
- P_c 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- P_{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
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\small I}$ Differential meter pressure, inches water.
- $F_g \square$ Gravity correction factor.
- F_{t} Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Stope of tack pressure curre.
- Note: If Foresteel or have to the of manner of completion or condition of well, then the the the twitteel by adding the pressure drop due to friction within the constraint to Pt.

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