MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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ing 2 3/	Wt.	4.70	I.D. 1.	995"	Set at_	3440	Per	·f	3439	To	3440		
Pay: A	rom 318	36 _To_	3340	L_1	<u> </u>	_xG	.670		2304	Bar.I	Press	13.2	
lucing I	'hru:	Casing_	•		Tubi.ng	X		_ Ty pe V	Vell Si	ng le co	mpietic	0(3	
of Con	pletion	: 2-20	-58	Pac	ker Ko		Sing	le-Brac Reserv	Vell denhead_C voir Temp	. G. 01	. G.O.	Dual	
3274-8	6, 3360	-70 & 3	10-40.	er en ,	OBSE	RVED I	ATA						
		rover)			<u>r)</u>				Type T	aps	Pipe	:	
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211	0	125	853. 570.		71		53.7 70.0	71 60	854. 577.		;	┽	
	ine) 1	<u>. 187</u> . 250	356				85.2	77	418.			<u>zi </u>	
Coefficient (24-Hour) $\sqrt{h_W}$				Pressure		Factor		Gravity Factor	Compress. Factor		Q-MCFPD		
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6.1820				962.8	0.99	43		0.946	•	095		30	
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ty of L	iquid Hy	ydrocarl	oons_	•	de			Spec	ific Gra	vity Fl	owing		
P _m moes	urod	((1-e ^{-s})					^Р с—	1056.7	Pc	1116		
$P_{\mathbf{W}}$				<u> </u>	<u> </u>				γ				
		$P_{\mathbf{t}}^2$	F _c Q	(F _c Q)2	$(F_cQ)^2$ $(1-e^{-s}$		P_{w}^{2}	P _c -P	2 W	Cal.	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
Pt (ps	ia)					(1-e ^{-s}					P _w		
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							1	52.0	364.6		Ť	91.14	
								48.7	767.3			55.28	
1t D.						·········		85.9	930.7			40.31	
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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_w) . MCF/da. @ 15.025 psia and 60° F.
- P_c= 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ 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 $P_{\mathbf{t}}$.