MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

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Ini	itial		Annual_		Spec	ial		Date of	Test	10/10/70
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	ducing Thru:									
Dat	e of Complet	ion:	10/14/7	Packe	er	Sin	gle-Brade Reservo	enhead-G. oir Temp.	G. or (G.O. Dual
						ED DATA				
Tes	ted Through		Chok	e) (1864				Type Tap	s	
			w Data			Tubing	Data	Casing D		T
No.	(Prover) (Line)	(Choke	Pre	ss. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
SI	`Size	Size	ps	ig h _w	°F.	psig		psig	^o F∙	Hr.
1.		8	35 14	9		778	6	969 189		7 days
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4. 5.										
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No.					FLOW :	remp.	Factor	Facto	ss. r	Rate of Flow Q-MCFPD
- 	(24-Hou		h _w p _f	psia	Ft	t l	F _g	Fpv		@ 15.025 psia
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3.										
4. 5.								- 		
				PR	ESSURE CA	ALCUIATIO	ONS			
	Liquid Hydro ity of Liqui		arbons_		cf/bbl.		Speci	fic Gravit <u>fi</u> c Gravit		rator Gas ing fluid
'c			(1-e ^{-?}	5)			P _c	-1	P _c 3	57,502
1	$P_{\mathbf{w}}$								1	
No.	(psia)	$P_{\mathbf{t}}^{2}$	F_c^Q	$(F_cQ)^2$	(F _c	$(Q)^2$	P _w 2	$P_c^2 - P_w^2$	Ca	P _w P _c
<u></u>	1.50						16,500	300,661		W - C
3.				- 					 	
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2• 1									<u> </u>	
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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 60° F.
- Pc 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.
- F_{py} 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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