MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

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	ng 5 1/20 W									то 6249	
	ng 2 3/8# W									_To	
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Data	lucing Thru:	ione			Packer	W	Si	ngle-Brad	enhead-G.	G. or C	G.O. Dual
раце	e of Complet	10H:10	/6/5 7		_racke.				omi.		
						OBSEF	RVED DATA	1			
Test	ed Through	Prover	(Chol	<u>(e)</u>	(eter)	x			Type Tar)S	
			w Data					ng Data	Casing I		
	(Prover)			ss.	Diff.	Temp.	Press	Temp.	Press.	Temp.	Duration of Flow
No.	(Line) Size	(Orific Size		sig	h _w	$\circ_{\mathtt{F}}$.	psig	o _F	psig	□ _F .	Hr.
SI				-	w		1673		+	 	
1.	- 64	2/	A. 3	54		67	354	67	-	-	3 hrs.
1. 2. 3. 4. 5.		31									
$\frac{3}{1}$		<u> </u>					 		 	 	
5. 1							 				
No.	Coefficient (24-Hour) √ h _w p		hwpf	Pressure			LCULATION Temp.	$rac{ ext{NS}}{ ext{Gravity}}$ Compre Factor Facto $ ext{Fg}$		r Q-MCFPD	
1.	12-3650			366		9	933	.9393			1,222
1. 2. 3. 4.					+						
4.											
5.											
Gas L	iquid Hydro	carbon R	atio		PRI	essure cf/bb]	CALCUIAT		ific Gravi	ty Sepa	arator Gas
Gravi	ty of Liqui	d Hydroc	arbons	.61		deg	द∙				wing Fluid
'с	9.403		(1 - e	· · · ·	0.246		_	Pc	1685	P _c 28	39.2
	$P_{\mathbf{w}}$	2			,		, ,2		2 2		
No.	Pt (psia)	$P_{\mathbf{t}}^{2}$	F _c Q	'	(F _c Q) ²		$(F_cQ)^2$ $(1-e^{-s})$	P_w^2	$P_c^2 - P_w^2$		$\frac{P_{W}}{P_{C}}$
1. 2.	366	134	39.7	0	1575.7		87.6	521.6	2317.6	722.	W 1
3.										_	
4.											
5.											
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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.
- 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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P_{f} Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_{t} Flowing temperature correction factor.
- F_{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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