Form C-122

Revised 12-1-55

Pool	Carter	Ellanburgs								New Markes	
Init	ial	An	nual	Special				Date of	Test	5-30 to 7-5-60	
										1	
										Gas Company	
	ng <b>5 1/2</b>						-		,,		
	ng <b>2 1/2</b> *						4.5.				
						·	<u> </u>				
										ess. 13.2	
	ucing Thru:					Cin.	mla Dwada	whood C	~ ~ ~	G.O. Dual	
Date	of Complet	cion: Mi	y 5, 1960	Packe	r_ 12507		Reservo	oir Temp	<del></del>		
					OBSERV	ED DATA					
Tested Through (Passes) (Con				(Meter)				Type Taps 77.			
		Flow	Data	<del> </del>		Tubing	Data	Casing D	ata	T	
,,		(Choke)		Diff.	Temp.		Temp.				
No.	(Line) Size	(Orifice Size	)     psig	h <sub>w</sub>	$\circ_{F_{\bullet}}$	nsia	o <sub>F</sub> .	psig	OF.	of Flow Hr.	
SI	5130		Pole	**W	1 •	1630		P316		72	
1.	ýa.	2.605	570	13.0	-	1136				3	
1. 2. 3.	4"	2.000	397			U75				3	
<del>3.</del>	- 1	2.000	72.5	66.0 90.0		1005 1005			<b> </b>		
4. 5.		2.000	700	4.e	- 65	W.			<del>                                     </del>	24	
			•	1	TLOW CAT	CULATIONS	5				
	Coefficient		Pr	Pressure Flow Te		Temp.	Gravity	Compress. Ra		Rate of Flow	
No.	(24-Hou					tor	Factor	Factor		Q-MCFPD	
<del>.  </del>	23.53		_ <del>'''- </del>	psia		ŧ	Fg	F <sub>pv</sub>		@ 15.025 psia	
1. 2. 3.	27.76			763.2 760.2	.9		1.0004	1.0		3,3451	
3 e	25.56		1.23	748.2	.90		1.0004	1.0		5,657	
4. 5.	15.为			905.2	. 54		1.0364	1.0	53	7,71A 1,005	
5.	23.35	19	0.45	573.8	.53	83	1.0084	1.0	10	4,005	
				PRI	ESSURE C	ALCUIATIO	ONS				
as L	iquid Hydro	carbon Rat	io 11	6,606	cf/bbl.		Speci	fic Gravi	tv Sepa	rator Gas_ • 🎾	
	ty of Liqui	d Hydrocai	bons /	9 600	• deg.		Speci	fic Gravi	ty Flow	ring Fluid	
c	5.6	100	(1-e <sup>-s</sup> )	•	<u> </u>	•	Pc	1063.2	_Pc	18174.9	
. ]	$P_{\mathbf{w}}$	-2	- 0	(= a)2		2		_2 _2			
No.	Pt (psia)	Pt Pt	F <sub>c</sub> Q	$(F_cQ)^2$	( )	$\begin{pmatrix} cQ \end{pmatrix}^2 \\ -e^{-S} \end{pmatrix}$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
1.+	across a	27727-4	13.175	173.7		1.609	17709.1	103.8	1017	<u> </u>	
1. 2.	42.00.2	17741.0	19.119	<b>155.</b> 5		1.134	17542.1	142.4	Jan	2 98.7	
3.	\$0.95.2 35.95.2	1437.0	外.533 与.55	113.7		2.53	16790.5	7327	hoge	-7 96.1	
4. 5.	130.2	17007.3	83.311	572.1		5.643 5.893	167位,9	1002.0	9363	6 98.0	
	Lute Potent	ial.	1,500		MCFPD;		A3	12			
COMP			Company		PIOP FD;	"	/ 2				
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	r and TITLE ESSED	The Me	Blime,	7001	K	1111	Muses	of for	(LL	. alleid	
COMP											
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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 = Actual rate of flow at end of flow period at W. H. working pressure ( $P_W$ ). MCF/da. @ 15.025 psia and 60° F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{w}$  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.
- hw Differential méter pressure, inches water.
- $F_g$ : Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If  $P_{w}$  cannot be taken because of manner of completion or condition of well, then  $P_{w}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{+}$ .