Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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ınit	tialX		_Annua	al		Spec	ial		Date of	Test	11/6/59
Comp	pany *stee	011 a	ed Cas	Con a	y	Lease	risone	ioarilla	We]	ll No	let
Unit	: <u>1</u> :	Sec	23 Twp	o 2 5	Rg	e <u>4=</u>	Purc	haser	<u>.</u>		
Casi	ing W	it. 9	I.	.D. <u>à</u>	<i>○9</i> ○ Se	tat	Pe:	rf. U	(30	_To	处
	ing 2 W										
Gas	Pay: From_	3320	To_	地址	L	x x	G			Bar.Pre	:ss
	ducing Thru:										
Date	e of Complet	ion:	11//	59	Packe	r	Sin	gle-Brade Reserve	enhead-G. oir Temp.	G. or C	.O. Dual
TY	6996					OBSERVI	ED DATA				
'est	ed Through	(Provi	(0	Choke)	(NOTE OF	3			Type Tap	os	
	- /p - \	F	low Da	ta	D: cc		Tubing	Data	Casing I)ata	Dunation
lo .	(Line)	(Orif	ice)		,			 	psig	1	Duration of Flow
SI	Size	51	ze	psig	h _w	-F•	psig	Γ.	psig	F•	Hr.
. •		.79	20	106			126	60	206	1	J nout
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										<u></u>	
						FLOW CAL					
0.	Coeffici	ent		Pr	essure	Flow Tact	Temp.	Gravity Factor	Compre	ess.	Rate of Flow Q-MCFPD
	(24-Hou	r)	$\sqrt{h_{\mathbf{w}}}$ p	f	psia	Ft	t	F_{g}	Fpv		Q-MCFPD @ 15.025 psia
	12.3/50				113	1,00	0	.9608	1.0	10	1,613
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					PRI	ESSURE CA	ALCUIATIO	ONS			
	iquid Hydro	carbon	Ratio)		cf/bbl.		Speci	lfic Gravi	ty Sepa	rator Gas
s L			ocarbo	ns		deg.					ing Fluid
avi	ty of Liqui	-						P		_P ²	32,576
avi		-	(1	e ^{-s})_				- C	2.13		
avi	ty of Liqui				(= 0)2	(2)	0)2			7	2
avi	ty of Liqui	-			$(F_cQ)^2$	(F ₀	Q) ² -e-s)	P _w 2	P _c ² -P _w ²	Ca P	1. Pw Pc
avi	ty of Liqui				(F _c Q) ²	(F ₀	Q) ² -e-s)			P	l. Pw Pc
avi	P _w Pt (psia)				(F _c Q) ²	(F ₀	Q) ² Ce-s)	P _w 2	P _c ² -P _w ²	P	Pw Pc
avi	P _w Pt (psia)				(F _c Q) ²	(F ₀	Q) ² -e-s)	P _w 2	P _c ² -P _w ²	P	1. Pw Pc
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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 (Pw). MCF/da. @ 15.025 psia and 600 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
- Pf Meter pressure, psia.
- $h_{\mbox{W}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} 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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