## Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Ange	a P	ek k	rtonsi	F_F	ormatio	n <b>Dube</b>	ts.		_County	Sen.	Nation	
Init	ial			Annu	al		Spec	ial		_Date of	Test	10/13/60	
Comp	any Ac	too	CLL (	and On	s Charge	my_	_Lease	Resd		Wel	1 No	18.3	
Unit	<u> </u>	s	ec1	B Tw	p <b>8</b>	Bur R	ge <b>9</b> #	Purc	chaser				
Casi	ng 🕌	W	t. 9	<b>90</b> I	.D	<b>.090</b> Se	et at <b>6</b>	<b>906</b> Pe	erf <b>6</b> 1		To	6N6	
Tubi	ng 2 <b>y</b>	<b>8</b> W	t	.79 I	.D	1.495 S	et at <b>61</b>	<b>30</b> Pe	erf. Pts	coller	To		
Gas	Pay: Fr	om_	6382	_To	6NA6	L <b>6</b> ;	<b>1</b> 20 x	G_0.65	GL_	4208	Bar.Pre	ess <b>19</b>	
Prod	ucing Th	ru:	Cas	sing_		T1	ubing	X	<b>Ty</b> pe We	11	cio	G.O. Dual	
Date	of Comp	let	ion:	10/	s/60	Packe	er	Sir	ngle-Brade Reservo	nhead-G. ir Temp.	G. or (	G.O. Dual	
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Test	ed Throu	gn					<u> </u>					+	
	(Prove	r	(Cho	low Da	Press	Diff	Temp.		Z Data Temp.			Duration	
No.	(Line	)	10-34	1 00 5			1	1	i			of Flow	
T	Size		Si	ze ———	psig	h <sub>w</sub>	F.		°F.		- F •		
SI 1.					<del> </del> -		<del> </del>	2005	60 (est	8006 1000	<del> </del>	7 days	
2.						<u> </u>							
3. 4.			-			<del> </del> -	<del> </del>				<del> </del>		
5.											1		
					•		FLOW CAL	CITT A TTON	NS.				
	Coeff	ici	ent	<del></del>	P		Flow	Temp.	Gravity	Compre	ss.	Rate of Flow	
No.	(0)						Fac	tor	Factor	Factor		Q-MCFPD @ 15.025 psia	
<del>-</del>	(24-Hou		$r)$ $\sqrt{h_{W}}$			psia	1.0000		o.9608	Fg Fpv		( ).02) psia	
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3.													
3c 4.						<del></del>							
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						PI	RESSURE C	ALCULATI	IONS				
Gas L	iquid Hy	dro	carbor	n Rati	o		cf/bbl.					arator Gas	
Gravity of Liquid Hydrocarbons  Fc(1-e^-s)			ons_s	deg.			Specific Gravity P			Flowing Fluid			
'c					1-6 2 <u>7</u>			•	- c				
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No.	$P_{\mathbf{w}}$		P	2   F	ု့ပ	(F <sub>c</sub> Q)	<sup>2</sup> (F	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	$P_{w}^{2}$	$P_c^2 - P_w^2$		Pw Pc	
	Pt (psi	a)					(1					P <sub>w</sub> P <sub>c</sub>	
1. 2.	1013							3	-105-144	3.034.1			
3.		$\Box$											
4. 5.									<del></del>		<del></del>		
			7 .			<del></del>	MCEDD	n C	78	<del></del>			
	lute Pot ANY				A Cam	LANY	MCFFD;	II	412				
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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 600 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.
- $h_{\mbox{W}}\mbox{\formula}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\text{DV}}$  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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