## Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	l South	lanco		Fc	rmation	F 14	red CNI	ffe	_County	Rio At	rice	
Ini	tial	<del> </del>	_Annua	1		Spec	ial	······································	_Date of	Te <b>st_</b>	125/59	
Com	pany Agree	il as	nd an	SO Y A	ny	Lease	aris im	- learille	Wel:	l No	e <b>5</b>	
Unit	t <u>*</u> s	Sec. 25	Twp	25	Rg Rg	e <b>b</b>	Pur	chaser				
	ing 4.5 W									Го	636	
Tub	ing 2 W	It. 16.7	I.	D. 1.9	95Se	t at_3	9 <b>1</b> Pe	erf	61	го	631	
Gas Pay: From 300 To 305 L xG _GL Bar.Press												
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual												
Date of Completion: Packer Reservoir Temp.												
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Test	ed Through	(Prove	<u>er) (Cl</u>	noke)	(Meter)				Type Tap	s	<del></del>	
Flow Data					<del></del>	<del></del> 1	Tubing Data		Casing Data			
No.	(Prover) (Line)	(Chok	ce) I	ress.	Diff.	Temp.	Press	Temp.	Press.	Temp.	Duration of Flow	
		Siz		psig	h <sub>w</sub>	° <sub>F</sub> .		<del></del>	psig	<sup>⊃</sup> F•	Hr.	
SI 1.		0.75	7				23)		275	60	7 fast	
2. 3.												
4.												
<u>5. l</u>								_L	L		<u> </u>	
	Coeffici	ent		Pr		FLOW CAL			Compres	ss.	Rate of Flow	
No.			i i	Fac		tor Factor		Factor		Q-MCFPD @ 15.025 psia		
1.	12.355	(24-Hour) $\sqrt{h_{W}p_{f}}$			148	F <sub>1</sub>		F <sub>g</sub> ○•%08	F <sub>pv</sub>		1781	
1. 2. 3. 4.	45.4273				10							
3 c					+							
<del>5</del> .												
ravi	iquid Hydro ty of Liqui		carbon	ns -e <sup>-s</sup> )	PRI	cf/bbl. deg.	ALCUFAT]	Speci Speci	fic Gravit fic Gravit	y Flow	rator Gas ing Fluid 31.714	
									<b>-</b>	<del>,</del>		
No.	P <sub>w</sub>	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q	1	$(F_cQ)^2$	(F.	$(2^{Q})^2$	$P_w^2$	$P_c^2 - P_w^2$	Ca	Pw Pc	
<u> </u>	7. ?		<del></del>			(1		12, 369	71.9,37		w - c	
1. 2. 3. 4.												
4.												
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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
- PwT Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- $P_t$  Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- $P_{f}$  Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $\mathbf{F}_{\mathbf{DV}}\mathbf{I}$  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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