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

Pool	pol Basin Dakota			FormationDakota				County Rio Arriba			
Init	ialX		Annual		Spec	ial		_Date of	Test	XXXXXXX 3-20-6	
Comp	any Caulk	ins Oil	Company		Lease	Breech "	Eu	Wel	l No	D-118	
										as Company	
	ng 4 1/2" W										
	Pay: From_					_					
Prod	ucing Thru:	Casi	ng <b>No</b>	Tu	bing Y	e <b>s</b>	Type We	11_ <b>Si</b>	ngl•		
Date	of Complet	ion:	3-6-63	Packe	r_ No	Sin,	gle-Brade Reservo	nhead-G. ir Temp.	G. or (	.0. Dual	
						ED DATA		-			
Test	ed Through	(Newson)	X) (Choke	( <b>XXXX</b> )	<u> </u>			Type Tap	ε		
	(Process)		ow Data	7.22			Data	Casing D			
No.	$(\mathtt{Line})$	(Orific	ce)l	s. Diff.	)			Press.		of Flow	
SI	Size	Size	e psi	g h <sub>w</sub>	°F.				1	Hr.	
1.		3/4"				2590 321		2600 1165		7 day SI 3 hr. flow	
1. 2.	·····	ļ									
40								· - · · · · · · · · · · · · · · · · · ·			
5.		l									
No.	Coefficient (24-Hour) $\sqrt{h_{WP}}$			Pressure	Flow	L	Gravity	Compress. Factor			
	14,1605			3 33	1,0048		9535	1.036		4680	
2 <b>.</b>							·				
} c											
ravit	iquid Hydro	d Hydrod	carbons		essure ca cf/bbl. deg.	ALCU'ATIC	Speci: Speci:	fic Gravit fic Gravit <b>2612</b>	ty Flow	rator Gas ing Fluid .822,544	
	P <sub>w</sub>	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q	$(F_cQ)^2$	(F.	Q) <sup>2</sup> =e-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca P		
3.						1	,385,329	5,43 7,2		.450	
3.									1		
5.			<b></b>	<b> </b>				<del></del>	<u>.</u>		
OMPA DDRE GENT 111NE	ESS Po Tand TITLE ESSED	kins 01	5532 1 Company te Box 78	O Farmir	ngton, Ne			.821			
COMPA	NY			.9	REMA	ARKS		/211	Man	<del></del>	
					TELLIF	-1410		MAR	78 W.	; ~\$\$.}	

## 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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- P<sub>c</sub>= 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.
- hw Differential meter 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  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .