## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	L Blanco		Fc	rmation	Mesavo	e <b>r</b> de		_County	ವಿan	Juan	
Init	ial X	Ann	ual		Spec	ial		_Date of	Test_1	1/18/	56
Comp	any The Oh	io Oil Com	pany		Lease	Gov't Sec	2. 8	Wel	1 No	1	
Unit	ss	Sec. 8 T	Wapu 3	lN Rg	e. 12	V Purch	haser				
							4950-	4965 4950			
	ing 7" W										.5
Tubi	r 5" Wing 2-3/8" W	t. 4.7	I.D. 2	"   Se	t at 49	82 Pe:	rf. 49	50 -	To4	980	
Gas	Pay: From_	4720 To_	4965	_L	x	G	GL		Bar.Pre	ss	
Prod	lucing Thru:	Casing_	·	Tu	bi.ng	X	Type We	11 <u>3i</u>	ngle		
Date	e of Complet	ion: 11/	6 <b>/</b> 56	Packe	r			enhead-G. oir Temp.			
					OBSERV	ED DATA					
Test	ed Through	(Prover)	(Choke)	(Meter)				Туре Тар	s	, <del></del>	
·		Flow				Tubing	Data	Casing D	<del></del>	[	
No.	(Prover) (Line)	(Choke) (Orifice)		Diff.	,	Press.	1	Press.	Temp.		Duration of Flow
	Size	Size	psig	h <sub>w</sub>	°F.	psig	°F.	psig	°F∙		Hr.
SI		9/4	445		710	1056		1066			
1. 2.		3/4	445		710	445		929		3 r	nrs.
3.											
4. 5.										<del> </del>	<del></del>
2. !	W.C.	<u> </u>	<del></del>				L	L	L	L	<del></del>
	<b>建</b> 光寶的					CULATION					
	Coefficient		Pr	Pressure I		Flow Temp. Grav		Compre			
NO	$(24-Hour)$ $\sqrt{h_{W}p_{f}}$		-no				Factor Factor				
<del>,  </del>	14.1605.			57	.9896		-8 -9258	1.05		625	
1. 2.	2212000										
3. ]											
4. 5.	water and the second										<del></del>
as L ravi	iquid Hydro ty of Liqui	d Hydrocar		PR	essure c		Speci Speci	ific Gravi ific Gravi 1078	ty Flow		Fluid
										·····	
No.	P <sub>w</sub> Pt (psia)	Pt <sup>2</sup>	F <sub>c</sub> Q	$(\mathbf{F_cQ})^2$	(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	$P_w^2$	$P_c^2 - P_w^2$	Ca	l.	Pw Pc
1.	941						885.5	276.5			
2.									_		
1. 2. 3. 4. 5.								<del> </del>			h į
5.									300		
COMP	Pany	The Ohio	Oil Comp		MCFPD;	n	75		/ KI		
	ESS T and TITLE	Вох 120,	Casper,	Wyoming				<del></del>		<u>.                                    </u>	
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COMP									1	ŲV.	
	, - , - , - , - , - , - , - , - ,				REM	ARKS			*****		

## 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 600 F.
- Pc= 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.
- $F_t$ : Flowing temperature correction factor.
- $F_{DV}$  Supercompressability factor.
- n I Slope of back pressure curve.

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If Pw cannot be taken because of manner of completion or condition of well, then Pw must be calculated by adding the pressure drop due

to friction within the flow string to Pt.