HOBBS OFFICE OCC

H0883	OFFICE OCC	Fo	rm	C-:	12
	$-10^{10}$ $^{2}$ $^{2}$ $^{2}$ $^{2}$ $^{2}$ $^{2}$	٠. ١	10	٦.	51

MULTI-POINT BACK PRESSURE TEST FOR GASWING REVIGED 12-1-55

Pool	Jalmat	5		Formation	Yates	& 7 R	47 vers	_County_	PA 3	ea 57	
InitialAnnual				Special		<b>X</b> Dat		Test <u>4-</u>	24 to 4-28-5		
Comp	any Johr	M . Ke	elly		_Lease	Hair	·	Wel	1 No	1	
Unit	L	Sec. <u>8</u>	Twp	2 <b>4</b> R	ge37	Purcl	haser <u>E</u>	l Paso N	atural	Gas	
Casi	ng 7  V	Wt. 201	#I.D.	Se	et at <u>28</u> 3	6Per	rf		То		
Tubi	ng 2 3/8"V	vt. 4.	<u>7∯</u> I.D.	Se	et at <u>35</u> 2	28 Per	rf		To		
Gas I	Pay: From	2862	To 305	4 L 28	3 <b>62</b> 30	G <u>.650</u>		1860	Bar.Pre	ss. <u>13.2</u>	
	ucing Thru										
Date	of Complet	cion:	3 <b>-18-52</b>	Packe	er3145	Sing	gle-Br te _Reservo	enhead-G. oir Temp.	G. or G	.O. Dual	
						ED DATA					
Test	ed Through	(sPersone	ror) caf Gibrosi	æ (Meter				Type Tap	s Fla	nge	
			ow Data			Tubing	Data	Casing D			
$\top$	Proven			ess. Diff.	Temp.	Press.	Temp.	Press.		Duration	
No.	(Line)	(Orifi	ice)		]				· I	of Flow	
	Size	Siz	se ps	sig h <sub>w</sub>	°F.	psig	°F.	psig	F.	Hr.	
SI						<del></del>	 	902		72	
1. 2.	4	1.78		22   16.81 26   28.00				785		24	
<u>3.</u>	$\frac{3}{4}$	1.75		18 37.2				773 744	<b></b>	24 24	
4.	4	1.78		35 54.7				702		24	
		Coefficient (24-Hour) $\sqrt{h_1}$		Pressure psia	FLOW CAL	Temp.	Gravity	Compres Factor Fpv	r	Rate of Flow Q-MCFPD @ 15.025 psia	
1.	19.27		94.83	135,2	.9905 .9905		9608 ~	1.05		1833	
2 <b>.</b> 3.	19.27		123.04				.9608 1.			2378	
4.			173.23	511 2	.9896 .992		9608 9608	1.05		2814 3354	
4. 5.			10.20				3000	1.00		5354	
ravit	iquid Hydro ty of Liqui •740	d Hydro	carbons	PR (*) 0.120	cf/bbl. deg.	ALCU ATIC	Speci Speci	fic Gravit fic Gravit 9 <b>15.2</b>	y Flow	ing Fluid	
No.	<b>x̂<sub>₩</sub></b> Pt (psia)	$P_{\mathbf{t}}^{2}$	F <sub>c</sub> Q	$(F_cQ)^2$	1 (1-	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca]		
1. 2.	798.2	637.1	1.356		.22		37.3	200.3	798.3	.87	
3.	786.2 757.2	618.1 573.4	2.082		-37 -52		18 <b>.5</b>	219.1 263.7	786.4	. ≗.6 . 8 <b>3</b>	
3. 4. 5.	715.2	511.5	2.482		-73		12.2	325.4	757.6	.78	
Ábsol	Lute Potent ANY Jo	ial:	7,600	11. New ]	MCFPD;	n <u>•8</u> 6	69		<u> </u>		

ILLEGIBLE

REMARKS

## 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 = Actual rate of flow at end of flow period at W. H. working pressure  $(P_W)$ . MCF/da. @ 15.025 psia and 60° 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{pv}$  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  $P_{\rm t}$ .