MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	ol	adn		Fc	rmation	Dak	eta		_County_	Sen J			
Ini	tial 🔭		Annu	ual		Sp e c	cial	<u>-</u>	_Date of	Test	1/10	/61	
Com	pany	c 011 a	nd Ger	Carrie	Y	Lease	Cooper	"3"	We]	Ll No	1_	· · · · · · · · · · · · · · · · · · ·	
Uni	t	_Sec 7	Tw	p. 33	Rge	e	Purc	haser					
Cas	ing 🔥	Wtg	.5_I	.D	090 Set	t at_ 66	lo Pe	rf. 634	3	To_ 6	160		
	ing 2 3/6												
	Pay: Fro									-			
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual													
Dat	e of Compl	etion:_	3/32/	61	Packer	•	Sin	gle-Brade Reservo	enhead-G.	G. or (3.0. I	ual	
							ED DATA						
Tested Through (Choke) (Choke) Type Taps													
			Flow D				Tubing	Data	Casing D				
No.	(Prover (Line)) (Ch	oke)	Press.	Diff.	Temp.	Press.	Temp.	Press.			Duration of Flow Hr.	
NO.	Size	S	ize	psig	h _w	o _F .	psig	°F.	psig	°F∙			
SI l.		0.79	ħ .				9059	(E)	2052			daye	
2.							309	POLD!	901		 	l bru.	
3.													
4. 5.		 -		 						 	 		
No.	Coefficient (24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		essure psia	Flow Fac F	tor t	Gravity Factor Fg	Compress. Factor Fpv		Q-MCFPD @ 15.025 psia		
1. 2. 3.	12.365		40		2	0.981	3	0.9608	1.037		N847		
3.								·					
4. 5.													
as I	Liquid Hydr ity of Liqu		rocarbo			SSURE C		Speci Speci	fic Gravi fic Gravi		ing F	luid	
No.	P _w Pt (psia)	P _t .		F _c Q		(F (1	$c^{Q}_{-\epsilon^{-s}}$	P_w^2 $P_c^2 - P_w^2$		Ca F	1. W	Pw Pc	
1. 2.	913						53	3569	3-46-507	-			
3.		†											
4. 5.										1			
Absc COMF ADDR AGEN	PANY ASSED	041 40		ED BY L.	M. STEVEN		n_ 0.75		vans, Dis	t. Reg			
JUMP	PANY	<u></u>				REM	ARKS		D.				

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 ($P_{\rm W}$). 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
- Pt 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.
- $F_g = Gravity$ correction factor.
- F_{t} Flowing temperature correction factor.
- F_{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 $P_{\mathbf{t}}$.