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

Poo]	Bagin De	kota			Formati	on	Dake	ota		County_	San	Juan		
Init	ial 🗶	·	Annu	al			Sp eci a	al		Date of	Test_	11-1	i-62	
Comp	oany Souther	rn Uni	on Pro	ducti	on Co.	Leas	e	Tali	aferro	We	ll No.	<u> </u>		
Unit	: <u> </u>	Sec 2	9 Tw	p	D-W	R ge.	12 -4	Purcl	naser	Southern	Union	Gas C	D•	
	ing 4-1/2 V													
	ing 1-1/2 V													
	Pay: From													
	lucing Thru													
Date	e of Commplet	cion:	11-7	-62	Pac	ker	Mone	Sin	gle-Bra Reser	denhe sd- G. voir Tem p.	G. 01	G.O.	Dual	
	.	-						DATA	_	•				
Test	ed Through	(Dec	**) (Choke	<u>(18006</u>					Type Ta	ips			
Flow Data			ata				Tubing		Casing	g Data				
No.	(Prover)	(Cho	(Choke) (Orifice) Size		s. Dif	f. Te			2	ì		1	Duration of Flow	
Ī	Size	S			g h	, 0				psig	°F.		Hr.	
SI l.	2 #	3/	h .	258		72		1951 258	720	1955	-		days hrs.	
2. 3.		-				1								
4. 5.		<u> </u>		二							#	#		
<u> </u>		1							<u> </u>		J		 	
	Coefficient Pressure Flow Temp. Gravity Compress. Rate of Factor Factor $\sqrt{h_w p_f}$ psia F_t F_g F_{pv} @ 15.025											e of Flow		
No.	(24-Hour)		7 h.	h na nsia			Factor		Factor Fa		ctor Q-		MCFPD 5.025 psia	
1.	12.3650		, V W		270		.9887		•9250	1.	1.029		31115	
1. 2. 3.			1									+		
4. 5.														
<u> </u>			l											
						PRESSU	RE CAI	LCUI ATI	ons					
	Liquid Hydro ity of Liqu				 	'cf/	bbl. deg.			cific Grav				
c			(1-e ⁻⁸	3)				P _c	1967	P ²	386	9.1	
														
No.	$P_{\mathbf{W}}$	P.	2 F	_C Q	(F _c C	(a) ²	(Fc	2) ² e ^{-s})	P_{w}^{2}	P _c -P ₁	2	Cal.	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$	
1.	Pt (psia)				-		(1-	e-s)	276.9	2592.2		Pw	574	
1. 2. 3.			-											
4.					—									
5. Abso	olute Potent	Lial.	424	7		MC	PPD:	n •7	 5					
COM	PANY SOUTH	ieru u	ION P	RODUC	TION CO	PART								
AGE	NT and TITL	E Ve	me Ro	ckhel	d - Jr.	Englis	983			, , , , , , , , , , , , , , , , , , , ,				
	NESSED PANY Sout		ne Roc		etion C	on and				1000		1		
J ()111						<u> </u>	REMA	RKS		7 33.5		300		
										IAM	1 Paris	<u> </u>		

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
- 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.
- Fpv 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 $P_{\mathbf{t}}$.