MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55															
Pool Blanco-Park Form						Form	rmation Mesa Verde				County San Juan				
	ial I Annual												3, 1960		
	Company Southern Union Gas Company Lease Wright State Well No. 1														
Unit B Sec. 36 Twp. 32N Rge. 13W Purchaser Southern Union das Company 53 15.5 4.950 2150-6983 4516 4782															
Casing 7-5/8 Wt. 26.4 I.D. 6.969 Set at 2352 Perf. To															
Tubing 1 Wt. 1.68 I.D. 1.049 Set at 4517 Perf To -															
Gas Pay: From 1516 To 1782 L xGGLBar.Press. 12.0															
	Producing Thru: Casing I Tubing Type Well Dual Gas-las Single-Bradenhead-G. G. or G.O. Dual Reservoir Temp.														
Date	of C	omplet	ion:	Jan.	26,1	960	Packer	6465	Si.	ngle-Brade Reserve	enhead-G. oir Temp.	G. or	3.0. L	uai ————	
		-							ED DATA						
Tested Through (Choke) (Choke) (Type Taps															
			Flow Da		ata	ta				Tubing Data		Dạta	ta		
No.	(Pr	rover) Line)	(Cho	ke)	Pres	ss.	1				1		Ì	Duration of Flow	
		ize	Si	.ze	psi	lg h _w				° _F ,	psig	[⊃] F•	1 22	Hr. 22 days	
SI l.			3/	<u>4</u>	335				108 6 309		335	335 64		iii e	
2. 3.													1		
4.			-										-		
<u> </u>			L		!			PT OW CAI	CITI ATTO	NS					
FLOW CALCULATIONS Coefficient Pressure Flow Temp. Gravity Compress														of Flow	
No.	$(24-Hour)$ $\sqrt{h_{WP}}$			 Pf	ps	ia	Factor F _t		Factor F _g	1	Factor F _{pv}		Q-MCFPD @ 15.025 psia		
1.	12.3650		V 1		34		0.9962		0.9463	1.03	8	14	,214		
2. 3.															
4. 5.													 		
<u>5. l</u>				<u></u>			PR	ESSURE C	A LCUI AT	IONS	, ! 				
30 m ·	Liania	i Hydro	saa nhar	n Rati	0		• • • •	cf/bbl.		Spec	ific Grav	rity Sep	arato	r Gas	
Jas Jrav	ity of	Liqui	id Hydi	rocarb	ons			deg			Specific Gravity Flowing Fluid				
⁷ с				(1-e ⁻³	s)			-	Pc-Pw	1098 101	P _c 2_Pw2_	160		
P_{W} 2 $(-2)^2$ P_{C} P_{C}															
No.			P _t ²		`cQ		$(F_cQ)^2$	(I	(cQ) ² (-e-s)	P_w^2	$P_c^2 - P_v^2$		Cal. P _w	P <u>w</u> Pc	
1.	Pt	(psia)	<u> </u>			\pm				160,8	1004.	5		0.365	
1. 2. 3. 4.													<u> </u>		
4.															
5.			L							n sit					
Absolute Potential: 4,753 MCFPD; n 0.05 COMPANY SOUTHERN UNION GAS COMPANY															
ADD	RESS	Box	815. F	armin	gton,	New	Hexi	00							
AGE	NT and	d TITL	E The	mas F	• Fer	Ane	ta Dr	lg. Supe	rintend	ent					
COM	IPANY_	South	ern h	ion G	as Co	par	y				ANTH!	1			
								RE	MARKS		311.TV	FD/			
											EFOR.	1060	1		
											MAR14	COM-	1		
								tion of the same of			CIL CON CIST	3			
										`	(19)				

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 600 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
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize Z}$ 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 $P_{\mathbf{w}}$ 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 $P_{\mathbf{t}}$.