							SURE TEST					
Pool Southern Blanco F				Fo	Formation Metured Cliff			<u> </u>	CountyRio Arriba			
Init	tial		Annual			Spec	ial		_Date of	Te st	6/12/58	
Comp	panySouth	ern Unic	n Ges	Сокр	eny	Lease	Jicari	11e	Wel	1 No	7-K	
Unit	t <u>B</u> S	Sec <u>19</u>	Twp	2	Rg	e 5	Purch	naser	l Paso Na	turel G	as Company	
Unit R Sec. 12 Twp. 25 Rge. 5 Purchaser 17 Paso Mathrel Gas Company Casing 21 Wt. 15.5 I.D. 1.950 Set at 3872 Perf. 3704 To 3764												
Tubing 2 3/8 Wt. k.7 I.D. 1.995 Set at 37kh Perf. 3729 To 37kh												
											ess. <u>12.0</u>	
	ducing Thru:	-										
Date	e of Complet	ion:	r /27 /Kl	1	Packe	r	Sing	le-Brade, Reservo	nhead-G. ir Temp.	G. or C	3.0. Dual	
)/ 34/ 3				ED DATA		_			
™o e+	ted Through	/ Duarra	-) (Ch	sleo)	(Moton)		20 0		Type Tap	c		
Test	ced inrough						(m.).	Data	· · · · · · · · · · · · · · · · · · ·		•	
$\overline{}$	(Prover)		ow Data e) Pi		Diff.	Temp.	Tubing Press.		Casing D		Duration	
No.	(Line)	(Orifi	ce)		ļ	o _F .	psig	o _r	psig	°F•	of Flow Hr.	
SI	Size	Siz	e]	osig	h _w	Γ•	bare	r 4	P31g	1	7 days	
1.		3/4		h\$3		610	167	610	815		3 hours	
2.										 -		
3. 4.		<u>} </u>								 	 	
5.		 										
						ET OW CAT	CIT ATTONS	3				
	Coefficient				FLOW CALCULATIONS Pressure Flow Temp. Gr				Compre	ss.	Rate of Flow	
No.	(a)						tor	Factor	Factor		Q-MCFPD @ 15.025 psia	
	(24-Hour) √ h _w			p _f psia		Ft		Fg	Fpv			
1. 2. 3. 4.	12,3650				463	0.999	20	0.9463	1.09	3	5,699	
3.												
4.												
5.				<u> </u>								
					PR	ESSURE C	ALCULATIO	ns				
		, ,	D-4 '			- e /L L I		Speni	fic Crowi	tu Sena	arator Gas	
	Liquid Hydro ity of Liqui					cf/bbl. deg.					ving Fluid	
							891.1					
 -	·-							Pw	857	P2	73k.k	
	$P_{\mathbf{w}}$									7		
No.		$P_{\mathbf{t}}^{2}$	F _c Q		$(F_cQ)^2$	(F	(cQ) ² (-e ^{-s})	P_{w}^{2}	$P_c^2 - P_w^2$	Ca	Pw Pc	
\longrightarrow	Pt (psia)		 			(1	·-e)	731.1	156.7		P _C	
1. 2.			 	$\overline{}$					190.1		0.910	
3.												
3. 4. 5.				-+						 		
Abso	olute Potent	ial:	21.	61_		MCFPD;	n	.85	· · · · · ·			
	PANYSOUT	urm un	TON GA	COM	PANY	W						
	NT and TITLE	O. Best	Hot	armi Casa	ngton,	New Mexi						
	MESSED											
COMI	PANY					REM	ARKS		g a securi	 		



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_W) . MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_{w} 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- FgI 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 $P_{\mathbf{t}}$.

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