MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	Pool Tapacito Pictured Cliffs Formation Pictured C							liffs County Rio Arriba			
Ini	tial	Ar	nual		Spec	ial		Date of	Test	mary 3, 1958	
Company Southern Union Gas Company Lease Jicar							lla	We:	ll No	2-0	
Uni	t <u>H</u>	Sec1	Twp2	6N Rg	ge 5 ₩	Purc	haser			····	
Cas:	ing 5/8	vt. 33.3	_I.D	Se	t at_h	20 1 255 Pe	rf. h	loh!	To	1,2051	
	ing 2 3/8 V										
Gas Pay: From To L xG -GL Bar. Press. 12.0											
Producing Thru: Casing Tubing Type Well Single - Cas Single-Bradenhead-G. G. or G.O. Dual											
						Sin	gle-Brade	enhead-G.	G. or C	G.O. Dual	
						ED DATA	_	•			
Tested Through (Prover) (Choke) (Motor) Type Taps											
								ng Data Casing Data			
No.	(Prover)	(Choke)	Pres	s. Diff.	Temp.			Press.	Temp.		
	Size	(Orifice Size	psi	g h _w	°F.	ps i g	o _F .	psig	□ _F .	of Flow Hr.	
SI 1.		3/10	1,114			1019 1111	580	1018		33 days	
2.		3/4"	41.15			TITY		906	<u> </u>	3 hrs.	
3 .									 		
5.											
					FLOW CAL	CULATIONS	S				
No.						- 1		cy Compress. Rate of Flow Pactor Q-MCFPD			
	(24-Hou	\mathbf{r}) $\sqrt{1}$	h _w p _f	psia	Ft		Fg	F _{pv}		@ 15.025 psia	
1. 2. 3.	12,3650			1234	1.001		9463	1.047		5,198,1	
3 e											
4.											
<u> </u>											
				PRI	ESSURE CA	LCULATIO	NS				
	iquid Hydro				cf/bbl.					rator Gas	
ravity of Liquid Hydrocarbons deg.							Specific Gravity Flowing FluidP _C P _C				
-							Pw 918.5		P2 843.6		
	$P_{\mathbf{w}}$	P ²	E O	(n o)2	(7)	0)2	D 0	$P_c^2 - P_w^2$	T	, ,	
No.	Pt (psia)	Pt	F _c Q	$(F_cQ)^2$	(1-	Q) ² -e-s)	P _w 2	Pc-Pw	Ca.	P _W P _C	
<u>, </u>							843.6	217.3			
2.											
ļ. 5.								· · · · · · · · · · · · · · · · · · ·			
	lute Potent:	ial:_ %	0.005		MCFPD:	n0	85				
COMPANY Southern Union Gas Company											
AGENT and TITLE Thomas R Ferro Jr Engineer											
WITNESSEDCOMPANY											
	**************************************	 -			REMA	RKS			18	En .	
									06	25	
									1 3		

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 \equiv 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
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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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