MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	1	Basin Dakota				Formation Dake				County San Juan						
Init	ial	XX Annual_				Spe			ial		Date of Test_		rest	1-2-63		
Company Southern Union Production Co. Lease Me Cord Well No. 4																
Unit	<u> </u>	S	ec. <u>22</u>	Tw	p	30*N	Rge	13-	•W Pur	chaser S c	nthe	rn Unior	Gas (COMPAN	y	
Casi	ng <u>4 1</u>	/2 W	Vt. <u>10.50</u> I.D.		.D	4.052 Se		t 64	78 P	Perf. 62		50 To		6368		
Tubi	ng 1 1	/2 W	t. <u>2.9</u>	<u>o_</u> I	.D	1.610 Set at 6270			70 P	Perf. 625		To6270				
Gas Pay: From 6250 To 6368 L 6270 xG 700 -GL 1389 Bar. Press. 12.0															12.0	
Prod	Producing Thru: Casing Tubing Type Well Sinds Ges Single-Bradenhead-G. G. or G.O. Dual															
Date	e of Co	mplet	ion:_	12-	26-62	Pac	ker		51	Reser	rvoir	Temp.	J. 01 (3.0. 1		
							0	BSERV.	ED DATA							
Test	Tested Through (Choke) (Choke) (Type Taps															
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	(Prover)		(Cho	ke)	Pres	s. Dif	f. T	'emp.	Press	. Tem	o• F	ress.	Temp.		Duration of Flow Hr.	
No.	•	ne). .ve	(Orif	lice) ze	psi	g h _w		o _F .	psig	o _F		psig	□ _F .			
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4. 5.														ļ		
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							FLC	W CAL	CULATIO	ONS				-	0 77	
No.		Coefficient			Pressi		re Flow		tor Fac		ty or	Facto	Factor		Rate of Flow Q-MCFPD	
NO.	(2	(24-Hour)		¬√ h _w	pf	psia		F	t	Fg		Fpv		@ 15.025 psia		
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5.																
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	$P_{\mathbf{W}}$			2 .	. ^	(B. C	.,2	/,	. 012	2 מ		$P_c^2 - P_w^2$		al.	P	
No.	Pt (psia)		Pt ²		r _c Q	(F _c C	!)	(F _c Q (1-e		P _w 2		, C_, M		Pw	$\frac{P_{\mathbf{w}}}{P_{\mathbf{C}}}$	
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1. 2. 3.								 			_					
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	: (3) N	1.H.O.		ATMER IV	V24.1.V2	14744		REI	ARKS				41/2	J. P.		
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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
- 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.
- $F_t \square$ Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.