MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poc	Pool Ballard				Formation Pictured Cliffs					County San Juan					
Initial X Annual Special Date of Test 7-10-56															
Company S. U. G. Lease NICKSON Well No. 7															
Uni	t SE	8	Sec	22 Tw	p 2	26N	Rg	e. <u>8</u> W	Pu	rchaser	Southern	Union Ga	s Con	many	
Unit SE Sec. 22 Twp. 26N Rge. 8W Purchaser Southern Union Gas Company Casing 52 M Wt. 15.5 I.D. Set at 2796 Perf. 2678 To 2760															
Tub	Tubing 12 Wt. I.D. Set at 2728 Perf. To														
Gas	Gas Pay: From 2678 To 2760 L xG 0.66 -GL Bar. Press. 12.0														
Producing Thru: Casing X Tubing Type Well Single gas Single-Bradenhead-G. G. or G.O. Dual															
Dat	e of C	omplet	ion:_6	5-1156			_Packe	rNo	S	ingle-Bra Reser	denhead-G voir Temp	. G. or	G.O.	Dual	
			 .						ED DAT.						
Te s	ted Th	rough	XXXX	MORXXX (Choke	<u>e) (</u>	Dever)				Туре Т	aps			
				Flow Da						ng Data	Casing	Dạta	T -		
No.		over) ine)	(Cho	oke) fice)	Pres	ss.	Diff.	_	ŀ	1 .	ĺ	Temp.		Duration of Flow	
SI	<u> </u>	Size Size		psig h		h _w	° _F .		g °F.		°F∙	-	Hr.		
1.		·	3/4		20	1		62	644 205		201		3	hours	
2. 3.		·				+							<u> </u>		
4. 5.						1									
2.	!		<u> </u>		<u> </u>	l_							Д		
	Co	effici	ent	 		Pro		FLOW CAL	Tom	Charit	Comp	ness	Da+ e	of Flow	
No.		24-Hou		√ h _w I			sia	Fac F	tor	Facto:	r Fac	tor	Q-1	MCFPD 6.025 psia	
1.	12,3650			, V W1		213		0.9981		0.9535		1,021		2559	
1. 2. 3.												· ·			
4. 5.															
as i		Hydro Liqui						ESSURE C		Spe	cific Gra			or Gas	
		_		()s L-e ^{-s}	'Σ		ueg•			656				
No.	$P_{\mathbf{w}}$		Pt	F	Q		$(F_cQ)^2$	(F	₂ Q) ²	P _w 2	P _c -P	2 0	al.	P _v	
ı	Pt (psia)					_		(1	$ \frac{\left(F_{c}Q\right)^{2}}{\left(1-e^{-s}\right)} $		383.25		P _w	P _W P _C 0.33	
1. 2.						丰				47.09	30,20				
3. 4. 5.			<u> </u>												
		Por out			0805	1_		MORDD		04			<u>l</u>		
COM	PANY RESS	Potent:	1a1:		2025		· · · · · · · · · · · · · · · · · · ·	MCFPD;	n0	<u>.85</u>					
AGE	-	TITLE													
	PANY							Dime	ARKS			-			
RELLIVED AUG 7 1956															
OIL CON. COM. DIST. 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 I Actual rate of flow at end of flow period at W. H. working pressure (Pw). 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
- P_f Meter pressure, psia.
- hw Differential méter pressure, inches water.
- FgT Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.

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