MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55

Pool Angels Peak Dakota				Fc	_FormationDakota				County_San Juan					
In	itial_	x		Annı	ual_			Spe	cial		Date of	Test_	6 - 8 -5 9	
Co	mpany_	Three	State	s Nat.	Gas	Co.	•	Lease	Lode	wick	We	ll No.	3	
										rchaser				
Ca	sing_5	<u>}</u>	Wt	15.5 I	.D	4.9	50Se	t at	180	Perf. 701	6	To7	125	
										Perf. 7080				
													ess. 12.0	
									X	Type W	ell Gas			
										ingle-Brad Reserv		G. or	G.O. Dual	
									ED DATA					
Tes	sted Th	rough		(Chok	<u>e)</u>	(Meker)				Type Tap	s		
				Flow Da	ata					g Data	Casing D		T	
No.	(L	ine)	(Ch	oke) fice)	Pre	ss.	Diff.		Press	· Temp.	Press.	Temp.	Duration of Flow	
SI	S	ize	S	ize	ps	ig	h _w	o _F .	psig	° _F ,	psig	°F∙	Hr.	
1.			3/	<u>. </u>	200	0		76	20 1 0 200	76	2010 590	ļ	2 77	
1. 2. 3. 4. 5.									200		- 27V		3 Hrs.	
			<u>'</u>											
5.						\dashv						 		
										_		1		
	Co	effici	ent	 		- D		LOW CAL						
No.		24-Hou		√ h _w p	_		ssure		tor	Gravity Factor Fg	4 -	r	Rate of Flow Q-MCFPD @ 15.025 psia	
1.	. 12.3650					212		9850		9393			2.479	
2. 3. 4. 5.				 										
4.				<u> </u>							 -			
5.												+		
Gravi	Liquid ty of	Hydroc Liquic	carbor 1 Hydr	n Ratio rocarbo (1	ns -e ^{-s}	')		cf/bbl. deg.	ALCUT AT	Speci Speci	fic Gravit fic Gravit 2022	yFlow	rator Gas ving Fluid 088.h	
No.	P _w	sia)	Pt	Fc	3		$(F_cQ)^2$	(F _C	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$		P _W	
1. 2. 3. 4.						1				362.4	3726.0		•298	
3.						+-		+				 		
4.												 	-	
						-								
COMP ADDR AGEN	ESS T and ESSED	Th:	ree S	tates in ox 67,	fari	ni ng	Gas Conton, Ne	w Mexic	arother	s, Assista				
											RELI	[[[959] ON. CO DIST. 3	I.	

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 60° 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.
- hw 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 $P_{\mathbf{v}}$.

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