MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revise

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Revise	bs		12	-1	- 55

Poo	ol Blanco-	Mesaver	de	F	ormation	Mesave	rde		County_	Rio Arr	iba	
Ini	itial 🗶		Annua	al		Spec	ial		Date of	Test_8	-28-57	·
Con	npany Hagnol	ia Petr	oleum	Compar	y	Lease_	icarilla	H	Wel	ll No	5 NV	
	t <u> </u>											
	ing 1/2"										5,948	
	oing 2 3/8"											
	Pay: From											psia
Dat	ducing Thru e of Comple	tion:	8-5	-57	Packe	r yes	Sin	gle-Brade Reserve	enhead-G.	G. or (3.0. Dua	.1
							ED DATA		_			
Tes	ted Through	(2 300	==) (0	hoke)	(30sks)				Туре Тар	· c		
			low Da				Tubing	Data				
No	(Trever)	(Cho	ke)	Press.	Diff.	Temp.	Press.	Temp.		Temp.	Du	ration
No.	(Line) Size	(Orif	ze	psig	h _w	o _F .	psig	°F.	psig	!	0	f Flow Hr.
SI				_			161h	 -				
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3.										 	 	
4.												
<u> </u>								<u> </u>			<u> </u>	
	066:-	• • • • •					CULATION					
No.	Coeffic				l	Fo or	+	Gravity Factor	Poot	ss.	Rate of Q-MCFP	
1	(24-Ho	ur) -	√ h _w p	f	psia	F.	t.	Fg	Fpv	1	@ 15.02	
1.	12.3650		<u>, </u>		08	.9952		.9393	1.03		3,677	
1. 2. 3. 4.												
20												
5.												
					PRE	SSURE CA	ALCUIATI(ONS				
ana T	idanida Ilmaha	b	D-43.									
	Liquid Hydro ity of Liqui					cf/bbl. deg.			fic Gravit fic Gravit			
			(1	-e ^{-s})				P _C	1626	P _C 26	13.9	
								•				
	XXX	_2			2		.2		2 2	T		
No.	Pt (psia)	$P_{\mathbf{t}}^2$	Fc	5	$(F_cQ)^2$	(F	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	1.	P _C
1.	308	94.9	34	-6	1197.2	281		376.2	2267.7	613.	<u>w</u>	С
1. 2.												
3.			 -							 	_	
4. 5.						- 			-	 		
Absc	lute Pocent],	126		MCFPD:	n0	75	·	<u> </u>		
COMF	ANY MAGNO	LIA PETI	ROLEUM	COMPA	NY					er	A PARTY OF THE PAR	
AGEN	ESS BOX 21	100 HO	BS, M	EW MEX		Gas Engi					T.	(** 4 ₂ ***
MITN	ESSED	+VC 150		~~/	3	AND VIEW	#941			$f_{\mathbb{Z}_{p}}$		
COMF	ANY					P. P. S.	DVC				6	7
						REMA	CANI			1 6	1 18 m	U
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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 60° 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 méter pressure, inches water.
- F_{σ} Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{nv} 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 $P_{\mathbf{L}}$.

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