Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	l Wilder	<u>. </u>		F	ormation	Tako	te		_County	it cos	oan	
Ini	tial	· <u>-</u>	_Annua	al		Spec	ial		_Date of	Test	2-1 /-60	
Com	pany South	m at	on Jee	Cospe	mA.	Lease	aright 3	tate	Wel	1 No	1	
Unit Sec. 36 Twp. Rge 134 Purchaser Southern Intended October 5/50												
Casing 7-5/10 Wt. 26-50 I.D. 6-969 Set at 2352 Perf. To -												
Tubing 2-1/2 Wt. 4-7# I.D. 1-995 Set at 6736 Perf. • To •												
	Gas Pay: From 6727 To 6960 L 6736 xG 3.67 _GL h516 Bar.Press. 12.0											
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual Date of Completion: Packer Reservoir Temp.												
Date of Completion: Packer Reservoir Temp.												
						OBSERV	ED DATA					
Tested Through (Prover) (Choke) (Meter) Type Taps												
Flow (Prover) (Choke)					Diag	m	Tubing			Casing Data		
No.	(Line)	(Orif	ice)			_	Press.	•		Temp.	of Flow	
SI	Size	Si	ze	psig	h _w	° _F .	psig	°F.	psig	°F∙	Hr.	
1.		3,	<u>Įį.</u> □	66		62	3.7 (4)				J harrows	
2 . 3.											-	
4.		i -								<u> </u>		
5.												
FLOW CALCULATIONS												
No.	l l							Gravity Compress. Rate of Flow Factor Factor Q-MCFPD				
NO				h _w p _f psia			Ft		F _{pv}		@ 15.025 psia	
1.	12.3050	12.3050			78	0.7961		F _g	1,00	9	310	
2. 3.		+										
4. 5.												
5.									L			
					PR	ESSURE CA	ALCU ATI	ONS				
	Liquid Hydro					cf/bbl.					arator Gas	
ravi	ity of Liqui	d Hydro	carbo	ns _e=s)	9-29	deg.		Speci	fic Gravi	ty Flow	wing Fluid	
`c			(1	. - e <u>/</u> _				^ C		· C		
	$P_{\mathbf{w}}$		T			- - - - - - - - - - 			2 -			
No.		$P_{\mathbf{t}}^2$	Fc	Q	$(F_cQ)^2$	(F	cQ) ² -e ^{-s})	P_w^2	$P_c^2 - P_w^2$		$\frac{P_{W}}{P_{C}}$	
┰┤	Pt (psia)	6.1	7.	56	7243	- 25	5	31.6	3061	17	_W]	
2.			1									
3. 4.					 _					+		
5.												
	olute Potent	ial:	91			MCFPD;	n 0,	75	-			
			15 F	TAIL.	Man, He	V PRINTER						
AGENT and TITLE												
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						REM	ARKS		160	Livia		
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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 \Box 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g Gravity correction factor.
- F_{t} Flowing temperature correction factor.
- $\mathbf{F}_{\mathrm{D}\mathbf{V}}\mathbf{I}$ 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 $P_{\rm t}$.