Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool <u>Undesignated</u>						Formation Pictured Cliffs				County Rio Arriba			
												12-4-59	
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										ell_Singlenhead-G.			
Dat	e of Co	omplet	ion:_	11-26	-59	Packe	r	Sin	gle-Brade Reservo	enhead-G. (oir Temp	G. or G	.O. Dual	
								ED DATA					
Tes	ted Thr	rough	Pre	er) (Choke)	(Notes)				Type Tap:	5		
				Flow Da	at a			Tubing Data		Casing Data		-	
	(Pro	ver)	(Cho	oke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration	
No.	(Li	ine) ize				h _w		l ·	°F.	psig		of Flow	
SI						W		589		589		111 •	
2.			3/	4"	164		60 °	164	60°	279		3 hours	
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4.													
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_]	FLOW CAL	CULATION	S				
	Coefficient Pressure Flow T						Temp.	emp. Gravity Compress. Rate of Flow					
No.	(2	(24-Hour) \						tor	Factor	Factor		Q-MCFPD	
				√ uwi	of			t	rg_	Fpv		@ 15.025 psia	
1. 2.	12.36		5		176		1.0		0.9608	1.01	8	2129	
3.	<u> </u>												
4.													
5.													
						PRI	ESSURE CA	ALCUTATI	ONS				
	·												
	Liquid ity of						cf/bbl. deg.			fic Gravit fic Gravit			
			u nyun	(]	l-e ⁻⁵)		ueg•		P.	601	P2 36	rug trata	
					_			'	C——		- \ 		
	$P_{\mathbf{w}}$												
No.	••	İ	$P_{\mathbf{t}}^2$	F	Q,	$(F_cQ)^2$	(F.	$(c^{Q})^{2}$ (e^{-s})	$P_{w}2$	$P_c^2 - P_w^2$	Cal	l. P.,	
	Pt (p	sia)					(1)	-e-s)	W		P		
$\frac{1}{2}$.									84.681	276.520		-484	
3.											ļ — —		
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5.							<u> </u>	<u> </u>					
	olute P PANY	otent:	ial:_	267			_MCFPD;	n85					
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COLI								ARKS					



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
- 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.
- Fg Gravity correction factor.
- Ft 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 $P_{\mathbf{t}}$.

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