MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55

Poo	ol <u>B1</u>	nebry	F	'ormation	u_Upp	er Yeso		County_	Lea		
Ini	itial x	A	nnual		Spec	cial	**	Date of	Test_	10-21-58	
	npany Mag										
										eline Company	
	ing 7 "										
	oing 2-3/8#										
	Pay: From										
Dat	ducing Thru e of Comple	tion: 10	 19_58	Packe	r 60	Sin	gle-Brade	enhead-G.	G. or (G.O. Dual	
		·	<i></i> 12-)0			ED DATA	neser ve	orr temb.•	110 1		
Тес	ted Through	4Pmarra m	\ (Chalas)	(Mat a)		ED DATA					
-	ted Through			(Meter)				Type Tap		mge	
	(Prever)	THEFT	v Data Press	Diff.	Temp.	Tubing Press.	Data Temp.	Casing D	ata Temp.	Duration	
No.	(Line) Size	(Orifice Size	psig	h	o _F .	,	1		1	of Flow	
SI		 		W		1790		1790		SI 40½ hours	
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4. 5.											
		T7	O Chart	Ţ	TOW CATA	CULATION	9				
	Coeffici	ent Diffe	rentialPr	essure	Flow	Temo.	Gravity	Compre	ss. T	Rate of Flow	
No.	(24-Hour) x at:		tatic	tic		tor	Factor	Factor	r	Q-MCFPD	
	(24-Hour)		SARK	x psia		Ft		F _g F _{pv}		@ 15.025 psia	
1.	25.58	7.2x1.	2x3.162 •	95.62	• 9868		9 393	1,	057	2396	
3 _e											
4.											
5.					 -						
				PRF	ESSURE CA	ALCUIATI	ONS				
_		_									
	Liquid Hydro Lty of Liqui				cf/bbl.					rator Gas 682	
'c		a nyaroca	(1-e ^{-s})	0.235	deg.		P. Speci	1803.2	P2 P2	ring Fluid 3251.53	
							U		- 0		
Т	$P_{\mathbf{W}}$	—							1	· · · · · · · · · · · · · · · · · · ·	
No.		$P_{\mathbf{t}}^{2}$	F _c Q	$(F_cQ)^2$	(F,	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	1. P.,	
$\downarrow \downarrow$	Pt (psia)			_					P	w Pc	
1. 2.	705.2	497.3	23.81	566.91	133.	.22	630,52	2621.01	794.	1	
3.											
3. 4. 5.											
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Abso	lute Potent	ial:	2908	OLAD A REV	MCFPD;	n	<u>.90</u>				
ADDR	ESS P.	O. BOX 2	106. HOBE	SN EW M	EXICO						
AGEN	T and TITLE	George	2. Fa	Men	Gas Eng	ineer					
COMP		D. Horto		ne Compo	การ						
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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 meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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 $P_{\rm t}$.