MILTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Fo	rm C/-122
Revised	12-1-55
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nit	ialAnnu			al		Spec	ial		_Date of	Test_5	-10-61	
mŗ	any Sunrey	Mid-C	ontin	ent Oil	L Co.	Lease N.	M. State	* 2*	Wel	.1 No	<u> </u>	
ait	. <u> </u>	ec	2 Tw	p	Rg Rg	e. 11W	Purc	haser				
asi	ng W	t <u>11</u>	.6_I	.D. 4	.000 Se	t at 59	2l 1 Pe	erf 577	2	To 579	2	
ıbi	ng 2-3/8 W	t. h.	7 I	.D. 1	.995 Se	t at 57	48 Pe	erf. OE		То		
ıs	Pay: From_	5772	To <u>5</u>	792	L 574	8 x	G0.65		և029	Bar.Pre	ss. 12	
°OC	lucing Thru:	Cas	sing		Tu	bing	x	Type We	:11	ngle		
ιtε	of Complet	ion:	h-11-	-61	Packe	rno	Sir	ngle-Brade Reservo	enhead-G. oir Temp	G. or 0	.O. Dual	
	-						ED DATA		- -			
est	ed Through	(Perce) (Choke)	(Medican)				Туре Тар	ıs		
				ata			Tubing	Data	Caging	10 ± 0		
T	(Prover) (Line)	(Cho	ke)	Press		Temp.	Press.	Temp.	Press.	Temp.	Duratio of Flo	
	Size	Si	ze	psig	h _w	o _F .		o _F .	psig	[⊃] F•	Hr.	
\exists		3/li		155		0.75	1687		1691 35.5		3 hrs.	
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!					<u> </u>		ļ. <u></u>	<u> </u>		<u> </u>		
	Coeffici	ent		Pi			Temp.	Gravity	Compre	ss.	Rate of Flow	
	(24-Hour) $\sqrt{h_1}$		$\sqrt{h_{\mathbf{w}}}$	— p _f psia		Factor F _t		Factor Fg	Factor F _{pv}		Q-MCFPD @ 15.025 psia	
‡	12.365		<u> </u>		167	0.985	9 +	0.9608	1.015		1985	
\pm												
					PR	ESSURE C	ALCU ATI	ONS				
L	iquid Hydro	carbon	Ratio	D.		cf/bbl.		Speci	fic Gravi	ty Sepa	rator Gas	
vi	ty of Liquid	d Hydr	ocarb			deg.		Opcor	fic Gravi 1 703	227	ing Fluid	
			···········				•	- c		C -		
			$\neg \tau$		(n.o.)2	/n	0)2		$P_c^2 - P_w^2$	T 0-	, ,	
Ţ	$P_{\mathbf{w}}$	2		\wedge						ı ı:a	1. Pw	
	Pt (psia)	Pt	F	cQ	(F _c Q) ²	(1	_c Q) ² -e ^{-s})	P _w 2		1	$\frac{P_W}{P_C}$	
1		Pt	F	o ^Q	(F _C Q)	(1	c ^w) -e⁻s)	P _w 2	2766	1	w Pc	
	Pt (psia)	Pt	F	e ^Q	(r _c Q)	(1	ce/, -e-s)			1	w Pc	
 	Pt (psia)	Pt			(r _c w)	(i		135		1	w P _C	
 	Pt (psia) 367 lute Potent:	ial:		2060		MCFPD;	0.75	135		1	w Pc	
SOMP	Pt (psia) 357 lute Potent ANY Surray ESS 166 P	ial:	ntines	2060 at Oll	Company	MCFPD;	n_ 0.75	135		1	w Pc	
SO MP DR EN	Pt (psia) 367 lute Potent: ANY Surrey	ial:	ntines	2060 at Oll	Company	MCFPD;	0.75	135		1	w Pc	

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
- Pf Meter pressure, psia.
- hw- Differential méter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv}- Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If P_{w} cannot be taken because of manner of completion or condition of well, then P_{w} must be calculated by adding the pressure drop due to friction within the flow string to P_{+} .