Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	_Subsulg		F	ormation		<u> </u>		_County		. Ama	
Initi	ial	An	nual		Spec	ial		_Date of	Test	6/2/60	
Compa	any Astos (il à Ges	Congrey		Lease	Maland	999	Wel	1 No	6	
Unit	S	ec.	Twp	Rge	. 10	Purch	naser				
Casin	ng 7* W	t. 20 & 2	3.D. 6	Set	t at	Per	rf. 706	<u> </u>	To 72	<u> </u>	
Tubir	ng # W	t	I.D.	Set	t at 🌃	Per	f. A	3	To	4	
Gas F	Pay: From	То	7836	L 7	x	G		698	Bar.Pre	ss.	
Produ	icing Thru:	Casing		Tul	oing 🖀		Type We	11 6.6.	Pen l		
Date	of Complet	ion:		Packer	r	Sing	gle-Brade Reservo	enhead-G. oir Temp	G. or G	.O. Dual	
						ED DATA					
Teste	ed Through		(Choke)		.			Type Tap	s		
~	<u> </u>		Data			Tubing		Casing D		Duration	
No.	(Prover) (Line) Size				Temp. o_{F}		Temp.	Press.		of Flow Hr.	
SI				, sw		1033		, <u> </u>		7 days	
1. 2.		9.730				143	69			_ 1 learn	
<u>3. </u>		- 2									
4. 5.											
				1	FT.OW CAL	CULATIONS	3				
,,,	Coefficient		F	Pressure Flow T		Temp.				Rate of Flow	
No.	(24-Hou	r) _\	h _w p _f	psia	Fac F		Fg	Fpv	1	@ 15.025 psia	
1.	10.369			173	1.000		0,9608	3,40	9	23	
1. 2. 3. 4.											
4.											
<u> </u>				ימם	regime c	ALCU ATI	AMS.				
		, ,				ALOU-MIL		fin Consui	+ Cama	matam Cas	
ravit	iquid Hydro by of Liqui	d Hydroca	rbons		cf/bbl. deg.		Speci	fic Gravi fic Gravi	ty Flow	ing Fluid	
c	· .		_(1-e ^{-s})				^Р с——	1945	_Pc	3.783.005	
No.	$P_{\mathbf{w}}$	P _t ²	F _c Q	$(F_cQ)^2$	(F	c ^{Q)²} -e⁻s)	P _w 2	P _c ² -P _w ²	Ca	1. Pw Pc	
1.	Pt (psia)			197.133	(1	-e ^{-s})	LA ALE	2.6.2.413	P	w Pc	
2.											
3. 4.									 		
5. Lbsol	Lute Povent	iele	9184	<u> </u>	MCFPD;	<u> </u>	0.75				
COMPA	ANY	e (1)			HOFTD,	**					
ADDRE AGENT	ESS [and TITLE	ORIGINA	L SIGNED	BY L. M. STE	VENS		L. B. H	eres, R	ot. by	Later	
	ESSED										
JULLE					REM	ARKS	/-	11111			
							/2C\	· UIVI:			

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 I 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t 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 $P_{\rm t}$.

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