Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Asto	<u> </u>		_Formation	Plot	med Oil	ffs	_County		She June	
Init	ial 🛣		Annual		Spec						
Company Astes 61											
Jnit	<u> </u>	Sec	_Twp	SS Rg	e. 9W	Purc	haser				
Casi	ng 2 7/6 V	/t. 6.	50 1.D.	2.441 Se	t at 🌋	Pe:	rf. 194	• .	ro_ 19	94	
ubi	ngV	/t	I.D	Se	t at	Pe:	rf		Го		
	Pay: From	•									
,rod	ucing Thru:	Casi	ng 🗶	Tu	oing		Type We	11	Magle		
ate	of Complet	ion:	4/24/60	Packe	r	Sin	gle-Brade Reservo	enhead-G. (oir Temp	G. or (G.O. Dual	
						ED DATA		_			
e st	ed Through	_	(Chok	e) (35000)	•	. •		Type Taps	s		
			ow Data			Tubing	Data	Casing Da		I	
				ss. Diff.	Temp.	Press.	Temp.	Press.	Temp.	4	
۰.	(Line) Size	(Orific		ig h	$\circ_{\mathtt{F}}.$	psig	o _F .	psig	[⊃] F•	of Flow Hr.	
			, pb.	-6 '.W		192-8		, 1		7 ánys	
		6.79	5					966 838	60	3 bours	
•											
╌┼		 						·			
						-				 	
<u> </u>						<u></u>					
	0 - 00! - !					CULATIONS		Commune		Rate of Flow	
No.	Coeffici	.ent				Flow Temp. Gravit Factor Facto				Q-MCFPD	
	(24-Hour) 7		h _{wPf}	h _w p _f psia		t.	F	Fpv		@ 15.025 psia	
. 十		12.355		185A	1.000		0.9806	1.03		3330	
c											
+											
											
	iquid Hydro	ca rhon l	Ratio		ESSURE C	ALCU ATI		fic Gravit	v Sena	rator Gas	
	ty of Liqui		carbons		deg.			fic Gravit	y Flow		
			(1-e ^{={}	5)			P _c	76	_Pc	334.054	
Т	$P_{\mathbf{w}}$		Τ	T _				2 0	T		
٠.		$P_{\mathbf{t}}^{2}$	F _c Q	$(F_cQ)^2$	(F	cQ) ² -e ^{-s})	P_{w}^{2}	$P_c^2 - P_w^2$	1	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
\bot	Pt (psia)	TA THE			(1	-e ⁻⁵)			, F	W Pc	
	354	69.69	15.30	935.74	29.		9.20	230 ,2560	<u>'</u>		
<u>.</u>				 					i		
•			 					L			
	lute Potent	ial:	14	7	MCFPD;	n 🤼	.85				
	ANY ACESS B	78 (G.)	à than the	wing. Now	Mercl 60						
GEN	T and TITLE	ORIGINA	L SIGNED	BY L. M. STEVE	NS	La	. Street	J.Met. E	the stay		
ITN.	ESSED										
OMP.	ANY		<u> </u>	s man in the same of	TATAL	ADVC			T 11 20		
					KEM	ARKS		1	TIME		

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 (Pw). MCF/da. @ 15.025 psia and 600 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.

できる あいていせんかい なんしょうかん かんかん かんしゅうしゅん はんしゅうしゅうしゅう

- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\rm t}$.