MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Angel P	eak Ext	1	Formation	Dak	ota		_County	San Jus	un
[nitial_	I	Anı	nual		Spec	ial		_Date of	Test	-29-60
ompany_	Inter	national	011 Cor	p]	Lease	Fogelso	n	Wel	1 No	1-10
nit	B S	ec 10	Iwp. 2	9N Rge	. 11W	Purc	haser			
asing	51 W	t. 15.5	I.D	Se ¹	t at 6	738 Pe	rf. 643	14	To6	504
ubing	2-3/8 W	t	I.D	Se	t at 6	563 Pe	rf. oper	ended	То	
as Pay:	From_	6434 To	6604	L	x(0.65	GL		Bar.Pre	ess•
roducing	g Thru:	Casing		Tul	oing <u>I</u>		Type We	11 Singl	e-Cas	6.0. Dual
ate of (Complet:	ion: 9- -	17-60	Packe	r	Sin,	gle-Brade Reservo	nhead-G. ir Temp	G. or G	Dual
					OBSERVI	ED DATA				
ested Th	nrough	(P rove)	(Choke) (Mediese)				Type Tap	s	
Flow Data			Data	Tubin			Data	Casing D	ata	
(Pr	rover) Line)	(Choke)	Pres	s. Diff.						Duration of Flow
	Size	Size	psi	g h _w				psig	^o F∙	Hr.
[•						2074		2087		
2	•	3/4"	42	9	84.			1193		3 hrs
. 2										
		_		_	FLOW CAL	CULATION	S			
. !	Coefficient (24-Hour) √ h _w p _f			Pressure F1		ow Temp. Gravactor Fa		avity Compression Factor		Rate of Flow Q-MCFPD
			h _w p _f	psia	Ft		Fg	Fpv		@ 15.025 psia
. 1	12.3650			40		.9777		1,040		5327
<u>. </u>				DD:	pagime a	A COUTT A MT	ONC			
.		. D-			ESSURE CA			fic Coori	tur Cone	motom Coa
avity o	f Liqui	carbon Ra d Hydroca	rbons_		cf/bbl. deg.		Speci	fic Gravi	ty Flov	arator Gas ving Fluid
			_(1-e ^{-s})			^Р с—	2099	_ ^P c	4406
P _w	 -	2		,_ ,2		.,2		_2 _2	T -	
o. Pt	(psia)	Pt ²	$F_{\mathbf{c}}^{\mathbf{Q}}$	$(F_cQ)^2$	(F)	$\begin{pmatrix} c^{Q} \end{pmatrix}^{2} \\ -e^{-s} \end{pmatrix}$	P _w 2	$P_c^2 - P_w^2$	Ca	P _w P _c
:										
. L	205						1452	2954		1.4915
<u> </u>										
bsolute OMPANY		ial: 7	190	Corporati		n75_	1.3497			
DDRESS_ GENT an	10	07 N. Dus	tin. Pa	mineten.	Hey Mex	ice	riginal sig	ned by T	A. Duga	n
1TNESSE OMPANY										
					REM	ARKS			SIL	

OCT3 1960 OIL CON. COM.

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

- $\mathbb Q$ I Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 600 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.
- $h_{\mbox{w}}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor. .
- Fpv 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 $P_{\mathbf{t}}$.