TEST NO. 2

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Fo	rm	C-122		
Revised	12	2-1-55		

	Tubb Ga										
										5-20-57	
										1	
it	S	ec. <u>13</u> T	wp. 22-	Rg	. 37-E	Purcl	haser_P	rmian Ba	in Pip	eline Compa	
	g_ 5100 _W										
bin	g 2-3/8* W	t. 4.7#	I.D. 1.	995 Se	t at	25 Per	rf		To		
										ess. 13.2	
	cing Thru:										
te	of Ro-com	letion 5/9/	/57	Packe	r_ 677 9	Sin	gle-Brade Reservo	enhead-G. oir Temp.	G. or	G.O. Dual	
-						ED DATA					
_ 4 _	a m	(D)	(Chalsa)	(Matam)		22 2		Type Taj	n s		
ste 	d Through			(1				· · · · · · · · · · · · · · · · · · ·			
т-	(Personal)	Flow (Choke)		. Diff.	Temp.	Tubing Press.		Casing D	Temp.	Durat	
	(Line)	(Choke))		•	İ			Į.	of F	
	Size	Size	psig	h _w	° _F .		 	psig			
I		- 40		 		Packer		1816 1357	75	72 hrs \$.	
	211	5/94	1449		75 77	10	***	1449	77	1-1/2 hrs	
╁	201	3/8"	1574	***	78	11		1574	78	2 hrs	
+	201	1/44	1640		79	H		1640	79	2 hrs	
•	Coeffici (24-Hou	,		Pressure		OW CALCULATIONS Flow Temp. G Factor Ft		Factor F _{pv}		Rate of Flo Q-MCFPD @ 15.025 pa	
L	8.5417					859	0.9359	1.152		12,440.6	
			1462.2 1587.2		0.9840		0.9359	1.172		5.186.0	
╁				653.2		822	0.9359	1.17		2.300.5	
Li vit	quid Hydro y of Liqui	d Hydrocai	bons	lared	cf/bbl.	CALCU ATI	Speci Speci	ific Grav	ity Flo	earator Gas_ wing Fluid_ 3346.0	
Ţ	P _w	-2	7.0	/n o)2		20)2	—————	P _c -P _w ²		Cal. Pw	
1	Pt (psia)	$P_{\mathbf{t}}^2$	F _c Q	(F _c Q) ²		(cQ) ² (-e ^{-s})	P _w 2	1342.		P _w P _c	
+	1370.2	1877.4	22.542 15.360	508.14 235.93	126. 58.		2196.5	149.	5 14		
I	1587.2	2519.2	9.397	11.30	21.		2541.1	-	9 159		
\perp	1653.2	2733.1	4.313	18.60		61	2737.1	665.	5 195	4.6 99.	
MPA DRE ENT	ute Potent NY CSS and TITLE	. Ohio. O	07, Heb D. Ch	ny bs. Hen lles - P rber - P	Hexico etrolem etrolem	<u>Enginee</u>			Ch	les	
	NY		The 0	hio Oil	REI	MARKS		refore		2	

Decreesing flow sequence used due to improper point alignment on Test No. 1.

Gas produced on above test vented to atmosphere & flared.



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 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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 meter pressure, inches water.
- FgI Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.