MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Basin Belovie					Formation Baketa				County San Juan				
Ini	tial		Annu	al		Spec	ial		Date of	Test_	e emb	. 9. 1960	
Com	pany Pan Ame	rices	Petro	oun C	m,	Lease	nesek Ga	. Valt	We	Ll No	1		
Uni	t <u>1</u> s	Sec. <u>1</u>	5 _Twp	. 100	Rg	e. 13	Purc	haser_	d committ	ad			
Cas	ing 1-1/2 W	/t. 9.	<u>5</u> 1.	D.4.0	Se	t at_ 66	60 Pe	rf	-6495, 69	17-653 To_	•		
Tub:	ing 1-1/2 W	/t. 🛻	7 _1.	D.1.9	Se	t at_	77 Pe	rf.	ended	- ne p	ertere	lime	
	Pay: From												
Date	ducing Thru:	ion:	11-14-	40	Packe	r Hene	Sin	gle-Brade	enhead-G.	G. or	G.O. I	ual	
							ED DATA		, 10 mp	991	·		
mont.	od Theorem	4	\ (c	1h = 1= = \	·		ED DATA						
rest	ced Through								Type Tar				
	(Alexandra)	(Ch	Flow Da	Press	. Diff.	Temp.		Data Temp.	Casing I		1	Duration	
No.	(Line) Size	É	ize			o _F .	psig		1	_		of Flow	
SI	Shut in S	lays					1969	 	1960		 		
1. 2.	2-dash	3/5	inch	222		d (set)	362		603		3 1	Pv.	
<u>3.]</u>										<u> </u>			
4. 5.										 	 		
			•]	FLOW CAL	CULATION	s					
No.	Coefficient $(24-\text{Hour})$			Pressure			low Temp. Gravi		ty Compress. Rate of Flow or Factor Q-MCFPD				
			√ h _w p	f	psia		t	Fg	Fpv		@ 15.025 psia		
1. 2. 3. 4.	12,365				36	1,000		0,9256	1,026		27%		
3 _e						·							
5.								·					
					PRI	ESSURE CA	ALCULATTO	ONS					
se T	iquid Hydro	na nho r	n Patio			cf/bbl.	-200 4112		eia Composi	C		0 0.70	
ravi	ty of Liquid	d Hydi	rocarbo	ns_		deg.		Speci	fic Gravi <u>fic</u> Gravi	ty Flow	ving F	luid	
c			(1	-e ^{-s})				P _c	972	P _C	H4,75	b	
	P _w	·				- · · · · · · · · · · · · · · · · · · 				1			
No.	Pt (psia)	Pt	Fc	5	$(F_cQ)^2$	(F ₀	$(e^{Q})^2$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca	1.	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
2.	IC (bata)							18,225	, 310, 577	l r	w	¹ c	
3.						- 					1		
3. 4. 5.										 	立		
	lanta Dana da				 -					<u> </u>			
COMP	lute Potenti ANY Pan Am e	rtees		een G	sporeti	MCFPD;	n 6,75						
	ESS Bes LAD T and TITLE			, How	Area M	dnear	PIN-	Same	0	· · · · · · · · · · · · · · · · · · ·			
WITN	ESSED												
COMP	WINT					REMA	RKS	- A	PFIVA	h		 -	
								/K	LULI V	7			
									EC 1 4 196	50			
								10	CON. C	OM./			

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° 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
- P_{f} Meter pressure, psia.
- hw- Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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_{t} .