MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	Basin Be	inte	Fc	rmation	Dekota	rough at Japan Hart Sales		_County_	San Ju	
Init	ial I	Ann	ual		Spec	ial		_Oate of	Test	6-14-61
Comp	any Per Aper	ican Potro	low 201	D.	Lease	. H. Pip	kin	#2 . 4 20 % . 20 % .	ll No	12
Unit	<u> </u>	ec. <u>12</u> T	wp	Rg	e. 111	Purc	haser_ S e	athern &	nion Ge	s Company
Casi	ng 4.5 W	t. 9.5	I.D.4.0	O _Se	t at 67	0 Pe	rf	6214	To	6236
Tubi	ng 3-3/8 W	t. 4.7	I.D. 1.5	95 _Se	t at	92 Pe	rf. open	ended	_To	
Gas	Pay: From_	1210 To_	6240	_L_ 61	92 x	.700(es	6) -GL 4	334	Bar.Pr	ess12
Prod	ucing Thru:	Casing_		Tu	bing	I	Type We	11 Sing	le gas	·
	of Complet					51.n	zie-brade	nnead-G.	G. OF (G.O. Dual
						ED DATA				
[e s t	ed Through		(Choke)					Type Tap	os	
		Flow				Tubing	Dat a	Casing I		T
No.	(Line)	(Choke)	Press.	Diff.	Temp.		T'emp.	Press.		
-	Size	Size		h _w	°F.	psig	°F.	psig	°F∙	of Flow Hr.
SI L.	21 days	3/4*		197		2037	60(est)	2039)) hr.
2 . 3•										
+• 5•									‡===	
<u>,</u>									<u> </u>	L
Т								Rate of Flow		
No.	(24-Hour) $-\sqrt{h_W}$		vPf	- psia Fact			or Factor		or	Q-MCFPD @ 15.025 psia
2.	12.365			1,000		.9291		1.001		2975
3。	· · · · · · · · · · · · · · · · · · ·									
•					·					
				PRI	essure ca	LCUTATIO	ONS			
	iquid Hydro				cf/bbl.		Speci	fic Gravi	ty Sepa	arator Gas
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing F										ring Fluid
							·		_	,,,
10.	$P_{\mathbf{W}}$	P_{t}^{2} F	F _c Q	$(F_cQ)^2$	(8	632	P _w 2	P _c ² -P _w ²	C	al. P.
	Pt (psia)	- t -	c c	(1 C4)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	્ર) ^ટ -e ^{-s})	* W~	.cw	i	P _W P _C
+							W,721	3,891,800	-	
3.										
COMPA	lute Potent:	rices Petr	Janua Go	monti		n		Principal Page 1		
DDRI GENT	ESS T AND TITLE	O, Farming	ion, lim	Herica Senior	Petrole	en linein	Rh.	Bane	1)-	
ITNI COMPA	<u> </u>									
. Jana P					REMA	RKS			V 1 6 19	
										b1 /
								Bearing St.	137.3	~!n./

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 \equiv Actual rate of flow at end of flow period at W. H. working pressure (P_W). MCF/da. @ 15.025 psia and 600 F.
- Pc= 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{pv} 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_{+} .