MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55

Poo1		almit	, ,	Forma	tion_	Tates-	-7-River	•	County_	Let	
	ial										1-25-195 8
Comp	pany El Pa	so linto	ral Gas	Company	Le	ease	Wells		 We:	Ll No.	2
	0										
	.ng 5 v										
	ng 2° v										
	Pay: From									-	
Prod	ucing Thru:	: Cas	ing		_Tubi	ng	X Sir	Type W	ell Sing	G. or (3.O. Dual
Date	of Complet	cion:	5-22-195	6 Pa	cker_	Nom		Reserv	oir Temp.		
						OBSERV	ED DATA				
Test	ed Through	(MHH	<u>+) (#</u>	(Met	er)				Type Tap	s P	5
			low Data				Tubing	Data	Casing D	ata	T
No.	(P rotects) (Line)	(Orif:		ess. Di	ff.	Temp.	Press.	Temp.		Temp.	Duration of Flow
	Size	Siz	, I	sig h	w	°F.	psig	°F.	psig	o _F .	Hr.
SI 1.	1.0	1.25	0 57	16 k .	00	77	627 619	I	627 622		72 24
2.	700	1,25	0 56	2 11	.25	77	ಮಂ		616		24
3.	Fa.	1.25			00	70	604		614		24
4. 5.		1.25	0 56	7 22.	9	72		<u> </u>	608		24
				•	_FL	OW CAL	CULATION	S			
No.	Coefficient $(24-Hour) \sqrt{h}$			Pressure hwpf psia		Flow '	Temp.	Gravity Factor			Rate of Flow
			$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$			Ft		Fg	Factor F _{pv}		Q-MCFPD @ 15.025 psia
1. 2. 3.	9.643		48.5h	589.		.98k0		9498 1.0			463
3.	9.643		83.93 96.33	575.1		.9840 .9905		.9498 1.0 .9498 1.0			798 924
4.			113.19	580.2		.9896		.9498	1.05		108k
5.]											
					PRES	SURE CA	ALCULATI	ons			
as Li	lquid Hydro	carbon	Ratio	er Ges	c:	f/bbl.		Speci	ific Gravi	ty Sepa	rator Gas
	y of Liquid	d Hydro	carbons (1-e	·s \		deg.		Speci	fic Gravi	ty Flow	ing Fluid
·	. Neagured		(1-6					Pc	odosa		
T	0 %	2	T				2			1	
No.	Pt (psia)	$P_{\mathbf{t}}^{2}$	F _c Q	(F _c	2) ²	(F ₀	$(Q)^2$ (e^{-s})	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca	$\frac{1}{V_{c}}$
2.	632.2	399.				1 (1	- /	403.5	6.4	r	w Pc 99.2
2.	623.2	388,						195.9	24.0		98.2
3.	617.3	3 6 0.i		- Mees	red_	 	-	393.4	16.5		97.9
↓• 5•	-6ch-2	365_1	-					385.9	24.0	 	96.9
bsol	ute Potenti	ial:	6,900		1	MCFPD;	n	.637	· · · · · · · · · · · · · · · · · · ·		
COMPA	NY Pas	e Hatu	ml Gas (lompany.		······································					
ADDRE AGENT	and TITLE	Box 13	h, Jal,	New Nex	ice_	P		111	1 anis		
	-		Wright	, retro	TOTAL	DDG1D0	, .	S.U.	sough)		
OMPA	NY		so Natu				···				

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 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
- Pf 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 $P_{\mathbf{W}}$ 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_{+} .