MULTI-POINT BACK PRESSURE TESPUROR GAS WELL 15 '65

Revised 12-1-55

	1 Undes.	(Mesa Qu	icen)	_Formatic	n	Queen		County_	1	A4.	
Ini	tial		_Annual		Spe	ecial		Date of	Test_	ingust 17, 19	
Com	pany R	obert A.	Dogn		_Lease_	Pen Amer	ican 7 Sta	teWe	ll No	1	
Uni	t <u>K</u>	_Sec 7	Twp	16 S R	ge 32	B Pu	rchaser	Not Conne	cted		
Cas	ing 2 7/8	Wt. 6.	<u>50_</u> I.D	2.441 S	et at	3374	Perf33	36	_To	3346	
Tub:	ing none	_Wt	I.D	s	et at	I	Perf		_To		
Gas	Pay: From	n_3336	_To 33 4	6L	3336	xG	45GL_	2819	_Bar.Pr	ess. 13.2	
	ducing Thru					none	Type W	ell	Sin	gle	
Date	e of Comple	etion:	8/65	Pack	er <u>nor</u>	Si	ngle-Brad Reserv	enhead-G. oir Temp.	G. or	G.O. Dual	
						VED DATA					
re s t	ed Through	Prove	er) (Chok	-) (M otor				Type Tar	าร		
	Flow Data				Tubing Data			Type TapsCasing Data			
\Box	(Prover)	(Gheh	Pre	ss. Diff	Temp.		. Temp.		Temp.	Duratio	
No .	(l ine) Sico	(Orifi S iz	.ce) 	ig h _w	o _F .	psig	o _F .		1	of Flo	
SI						+	Size	953		 	
	2"	3/8	16	6	N.	10/64		896	 	18	
?• }•		3/8			49	12/64		812		1	
•	2#	3/8			60	16/64		731		1	
	2**	3/8	55	6	70	36/64		610		1	
0.			$\sqrt{h_{\mathbf{W}}p_{\mathbf{f}}}$	psia	. I	t	Factor F _g	Factor Q-MC		Rate of Flow Q-MCFPD @ 15.025 psi	
	3.0691 3.0691			179.2	1.0168		.8426	1.035		489	
-	3,0691			283.2 469.2			8426			780	
c	3.0691			609.2		5	.8126 .8126	1.10		1326 1726	
<u>. l</u>				PR	ESSURE C						
s La avit	iquid Hydro ty of Liqui	ocarbon I	Ratio <u>n</u>	ry Gas	cf/bbl.		Speci	fic Gravi	ty Sepa	rator Gas	
								rific Gravity Flowing Fluid Pc 933.5			
			-			-	- c——	700.2	' C	933.5	
	r _a	Pt.		(5.0)2	-	2	·	2 2			
		ft	F _c Q	(F _c Q) ²		cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca P	$\frac{P_{W}}{P_{C}}$	
0.	Pt (psia)		2.868	8.2		1.45	828.1	105.4	910	0 94	
	909.2	826.6	a	20.9		3.68	735.1	196.4	857	4 .89	
	909.2 855.2	731.4	4-575		1	0.65	564.5	369.0	751	378	
	909.2 855.2 744.2	731.4 553.8	7.778	60.5		a ni	ايمديا	## "		مر فارس	
	909.2 855.2	731.4				B-04	406.4	527.1_	637	5	
	909.2 855.2 744.2 623.2	731.4 553.8 388.4	7.778	60.5	2 1			527.1		.5 .66	
	909.2 855.2 744.2 623.2 ute Potent	731.4 553.8 388.4	7.778 10.125 2700	60.5	2 1	n		527.1		5 .66	
oso] OMPA	909.2 855.2 744.2 623.2 Lute Potent	731.4 553.8 388.4 ial:	7.778 10.125 2700	102.5	MCFPD;	n e	.78			.5 .66	
oso] OMPA ODRE	909.2 855.2 744.2 623.2 Lute Potent NY Robert CSS _/e	731.4 553.8 388.4 ial: ert A. Be	7.778 10.125 2700	60.5 102.5	MCFPD;	n0	.78	dee		5 .66	
oso] OMPA ODRE GENT	909.2 855.2 744.2 623.2 Lute Potent NY Robert CSS C/C	731.4 553.8 388.4 ial: ert A. Be	7.778 10.125 2700	60.5 102.5	MCFPD;	n0	.78	dee		5 .66	
oso] OMPA ODRE	909.2 855.2 744.2 623.2 Lute Potent NY Robert CSS C/C	731.4 553.8 388.4 ial: ert A. Be	7.778 10.125 2700	60.5 102.5	MCFPD;	n0	.78	dee		-5	

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 60° F.
- PcI 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.
- Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.