MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	l lesi	Pekete	Fo	rmation	<u>D</u>	iketa		_County_	See Au		
Ini	tial <u>*</u>	Ar	nnual		Spec	ial	h	Date of	Test_	PEL 15, 1964	
Com	pany	iem fet	roleum Cor	p.	Lease 🛻	Leges Co	spon ini	- Bok , Wel	1 No	159	
Uni	t <u> </u>	ec. <u>¶</u>	Twp36	Rg	e. <u>12-1</u>	Purc	haser	**			
Cas	ing 4-1/2" W	t. <u>10.5</u>	I.D. 4.	Se ¹	t at 🐠	759 Pe	rf	6-86°	To	234-34 ¹	
Tub	ing <u>1-3/8"</u> W	t. 4.7e	I.D. 1.	95 Se	t at <u>3</u>	199 Pe	rf. <u>0</u>	PGB.	To	taded	
Gas	Pay: From_	5876' To	5956'	_L 59	16 x	G <u>.700 •</u>	GL_	4341	Bar.Pre	ss. 11	
Pro	ducing Thru:	Casing	Š	Tul	bing	<u> </u>	Type We	:11	ilagia		
Dat	e of Complet:	ion:	41 8, 1964	Packer	r Sons	Sin	gle-Brade Reservo	enhe ad- G. oir Tem p	G. or C	.O. Dual	
		-			OBSERV	ED DATA					
Tes	ted Through	(CULTUR)	(Choke)					Type Tap	ıs	Flange	
			Data			Tubing	Data	Casing D			
No.		(Choke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
	Size	Size	psig	h _w			°F.		°F∙	Hr.	
SI 1.		.750	541			2076 541	6/F cat.	2088 1.286	6 Post	3 hours	
2.					and a second of the second of	errer plantskiele Prompte Pille Die pper 440 lang, 1914 Frenceskie			ļ		
3. 4.					E anno 1986 and and and Ario 1986	AND THE CO. OF FINA CO.					
5.					Maria Por Carlo	ARTICLE SERVICE CHARACTER COM		4 drug-10-10-10-10-10-10-10-10-10-10-10-10-10-			
				,	7 MW 2989	STOY SOUTH	c				
			D-			CULTION:		Commo	88 1	Rate of Flow	
ľ	Coefficie	ent I		assure:	MICHA	3 6-7 1081		4 1 4 1 1 1 1 1 1 1 C 1 C 1 C 1 C 1 C 1		O-MCFPD	
No.	Coefficie				Pac	tor	Factor	Facto	r Ì	O-MCFPD	
	(24-Hou		h _w p _f	osia	Fac:	tor	Factor F _g	Facto F _{pv}	r	Q-MCFPD 0 15.025 psia	
1.			h _w p _f		Pac	tor	Factor	Facto	r	O-MCFPD	
1.	(24-Hou		h _w p _f	osia	Fac:	tor	Factor F _g	Facto F _{pv}	r	Q-MCFPD 0 15.025 psia	
1. 2. 3.	(24-Hou		h _w p _f	osia	Fac:	tor	Factor F _g	Facto F _{pv}	r	Q-MCFPD 0 15.025 psia	
1.	(24-Hou		h _w p _f	osia	Fac:	tor	Factor F _g	Facto F _{pv}	r	Q-MCFPD 0 15.025 psia	
1. 2. 3.	(24-Hou		h _w p _f	esia	Pac	tor	Factor Fg	Facto F _{pv}	r	Q-MCFPD 0 15.025 psia	
1. 2. 3. 4. 5.	(24-Hour 12.3630	·)	h _w p _f	rsia	Pac F		Factor Fg .9858	Facto F _{pv}	r	Q-MCFPD 15.025 psia	
1. 2. 3. 4. 5. Sas I	(24-Hour 12.3650 Liquid Hydrod	carbon Ra	h _w p _f	rsia	Pac F ISSURE G cf/bbl.	ALCHATIC	Factor Fg Speci	Facto Fpv 1.07:	ty Sepa	Q-MCFPD 15.025 psia 773	
1. 2. 3. 4. 5. Gravitation	(24-Hour 12.3630	carbon Ra	h _w p _f	rsia	Pac F	ALCHATIC	Factor Fg Speci	Facto Fpv 1.07:	ty Sepa	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid	
1. 2. 3. 4. 5. Gravitation	(24-Hour 12.3650 Liquid Hydrod	carbon Ra	h _w p _f	rsia	Pac F ISSURE G cf/bbl.	ALCHATIC	Factor Fg Speci	Facto Fpv 1.07: fic Gravi fic Gravi	ty Sepa	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid	
1. 2. 3. 4. 5. Sas I	(24-Hour 12.3450 Liquid Hydrod ity of Liquid	carbon Ra	h _w p _f	PRE	Pac F. W. ESSURE G. cf/bbl. deg.	acculatio	Factor Fg Speci	fic Gravi	ty Sepa	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid	
1. 2. 3. 4. 5. Gravitation	(24-Hour 12.3650) Liquid Hydrodity of Liquid	carbon Ra	h _w p _f	rsia	Pac F. W. ESSURE G. cf/bbl. deg.	acculatio	Factor Fg Speci	Facto Fpv 1.07: fic Gravi fic Gravi	ty Sepa	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. Gas I Gravi	(24-Hour 12.3450 Liquid Hydrod ity of Liquid	carbon Ra	tio_rbons_(1-e-s)	PRE	Pac F. W. ESSURE G. cf/bbl. deg.	ALCULATION AT I	Factor Fg Speci Speci Pg Pg2	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ring Fluid 410,000	
1. 2. 3. 4. 5. Sas I Gravi	(24-Hour 12.3650) Liquid Hydrodity of Liquid	carbon Ra	tio_rbons_(1-e-s)	PRE	Pac F. W. ESSURE G. cf/bbl. deg.	ALCULATION AT I	Factor Fg Speci Speci Pg Pg2	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. Sas I Gravi	(24-Hour 12.3650) Liquid Hydrodity of Liquid	carbon Ra	tio_rbons_(1-e-s)	PRE	Pac F. W. ESSURE G. cf/bbl. deg.	ALCULATION AT I	Factor Fg Speci Speci Pg Pg2	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. Sas I Gravi	(24-Hour 12.3650) Liquid Hydrodity of Liquid	carbon Ra	tio_rbons_(1-e-s)	PRE	Pac F. W. ESSURE G. cf/bbl. deg.	ALCULATION AT I	Factor Fg Speci Speci Pg Pg2	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. No. 1. 2. 3. 4. 5.	(24-Hour 12.3450 Liquid Hydrodity of Liquid Pw Pt (psia)	carbon Rall Hydroca	tio rbons (1-e-s)	PRE	Pac Figure 6 cf/bbl. deg.	ALCULATIO	Factor Fg	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. No. 1. 2. 3. 4. 5. Abso	(24-Hour 12.3650) Liquid Hydrodity of Liquid	carbon Rall Hydroca	tio_rbons_(1-e-s)	PRE	Pac Figure 6 cf/bbl. deg.	ALCULATION AT I	Factor Fg	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. No. 1. 2. 3. 4. 5. Absorption ADDE	(24-Hour 12.3450 Liquid Hydrodity of Liquid Pw Pt (psia) Plute Potenti	carbon Ra il Hydroca	tio rbons (1-e-s)	PRE (F _c Q) ²	Pac F SSURF G cf/bbl. deg.	ALOUNATIO	Factor Fg	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. No. 1. 2. 3. 4. 5. Absorption ADDR AGEN	(24-Hour 12.3450 Liquid Hydrodity of Liquid Pw Pt (psia) Plute Potenti PANY RESS PT and TITLE	earbon Radi Hydroca	tio rbons(1-e^-s)	PRE (F _c Q) ²	Pac F SSURF G cf/bbl. deg.	ALOUNATIO	Factor Fg	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. No. 1. 2. Absorption AGEN WITH	(24-Hour 12.3450 Liquid Hydrodity of Liquid Pw Pt (psia) Plute Potenti	carbon Ra il Hydroca	tio rbons (1-e-s)	PRE (F _c Q) ²	Pac F SSURF G cf/bbl. deg.	ALOUNATIO	Factor Fg	fic Gravi	ty Sepa ty Flow PC 4	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	
1. 2. 3. 4. 5. No. 1. 2. Absorption AGEN WITH	(24-Hour 12.3450 Liquid Hydrodity of Liquid Pw Pt (psia) Plute Potenti PANY RESS WT and TITLE WESSED	earbon Radi Hydroca	tio rbons(1-e^-s)	PRE (F _c Q) ²	Pac Figure 6 Cf/bbl. deg.	ALOUNATIO	Factor Fg	fic Gravi	ty Sepa ty Flow PC Ca	Q-MCFPD 15.025 psia 773 rator Gas ing Fluid 410.000	

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.
- 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.
- Fnv 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 $P_{\rm t}$.