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

				rormation.	IRTOS-	1-1/24634	<u> </u>	_County	Les		
Init	ial	An	nual		Spec	cial	ж	_Date of	Test	4-25-1958	
Compa	any K) Pe	go Matural	Gas Co	mpany]	Lease	Wells		Wel	l No	2.	
		Sec.									
		Wt. 15.5									
		Wt. 4.7									
										ess. 13.2	
										ess	
		: Casing				Sin	gle-Brade	nhead-G.	G. or	G.O. Dual	
Date	of Comple	tion: 5-2	2-1956	Packer	<u>Nom</u>		Reservo	oir Temp			
					OBSERV	ED DATA					
Teste	ed Through	(Person)	(Ginalas)	(Meter)				Type Tap	s_ n	S	
	(Person)	Flow					Data	Casing D			
No.	(Line)	(Orifice))	Diff.	-	1	Temp.			I of Flow	
SI	Size	Size	psig	g h _w	°F•	psig	°F.	psig	F.	 	
	- ka	1.250	576	k.00	-77	619		627 622		72	
1. 2. 3.	10	1.250	569	16.00	77	60k		604		24	
4.	<u>L</u> o	1.850	567	22.00	n	591		608		8	
		_ 			T OW CAT	CUT A TON	C			<u> </u>	
Na	Coefficient			FLOW CALCU		Temp.	Gravity Comp		ress. Rate of Flow		
No.	(24-Ho	ur) $\sqrt{1}$	wp _f	psia	rac F		Factor F _g	Factor F _{pv}		Q-MCFPD @ 15.025 psia	
~	•	' 1 V						_ 			
$\frac{1}{2}$	9.643	48	-54-	580.3	-9840		-9495	1.050		<u> </u>	
1. 2. 3.	9,643 9,643	<u></u>	.93	589.2 575.2 580.2	9860		94.98 94.98 20.49	1.05		761 971	
1. 2. 3. 4.	9.643 9.643 9.643	<u></u>	.93	575.2	9 & Lo						
1. 2. 3. 4. 5.	9.6k3 9.6k3 9.6k3 9.6k3		.93	575.2 580.2 580.2	.9840 .9905 .9896	ALCUI ATT	91-98 91-98	1.057		924	
		148 83 96 113	.93	575.2 580.2 580.2	.9905 .9896 .SSURE C.	ALCU ATI	9198 9198 ONS	1,057		92k 108k	
Gas Li Gravit	quid Hydro		io_bons_	\$75.2 \$80.2 \$80.2 PRE	.9840 .9905 .9896		ONS Speci	fic Gravi	ty Sepa	los	
Gas Li Gravit	quid Hydro	b.8 83 96 113 ocarbon Rat	33 33 36	\$75.2 \$80.2 \$80.2 PRE	9905 9905 9896 SSURE C		ONS Speci	1.051	ty Sepa	1081	
Gas Li Gravit	quid Hydro	ocarbon Ratid Hydrocar	rio_prio_state (1-e-s)	\$80.2 \$80.2 \$80.2 PRE	.986 .986 .986 .SSURE C. cf/bbl. _deg.		ONS Speci	fic Gravitic Gravit	ty Sepa ty Flow	arator Gasving Fluid	
Gas Li Gravit Co	quid Hydro y of Liqui	ocarbon Ratid Hydrocar	io_bons_	\$75.2 \$80.2 \$80.2 PRE	.986 .986 .986 .SSURE C. cf/bbl. _deg.		ONS Speci	fic Gravi	ty Sepa ty Flow PC	arator Gas wing Fluid	
Gas Li Gravit	quid Hydro y of Liqui Heasured	ocarbon Ratid Hydrocar	rio_prio_sio_sio_sio_sio_sio_sio_sio_sio_sio_s	\$80.2 \$80.2 \$80.2 PRE	.986 .986 .986 .SSURE C. cf/bbl. _deg.		ONS Speci	fic Gravitic Gravit	ty Sepa ty Flow PC	arator Gas_wing Fluid_log_g	
Gas Li Gravit Control No.	quid Hydro y of Liqui Heasured Pt (psia)	Pt Pt 399.7	rio_prio_sio_sio_sio_sio_sio_sio_sio_sio_sio_s	\$80.2 \$80.2 \$80.2 PRE	.986 .986 .986 .SSURE C. cf/bbl. _deg.		ONS Speci Speci Pc Pw2	fic Gravitic Gravit	ty Sepa ty Flow PC	arator Gas_wing Fluid_log_g	
Gas Li Gravit Fc No	quid Hydro y of Liqui Heasured Pt (psia)	pcarbon Ratid Hydrocar	rio_prio_sio_sio_sio_sio_sio_sio_sio_sio_sio_s	\$80.2 \$80.2 \$80.2 PRE	.986 .986 .986 .SSURE C. cf/bbl. _deg.		ONS Speci Speci Pc Pw2	fic Gravitic Gravit	ty Sepa ty Flow PC	arator Gas_wing Fluid_log_g	
Sas Li Gravit Fc No.	Aquid Hydro y of Liquid Heasured Pt (psia)	Pt 299.7 386.1 365.1	rio_prio_sio_sio_sio_sio_sio_sio_sio_sio_sio_s	\$80.2 \$80.2 \$80.2 PRE	.986 .986 .986 .SSURE C. cf/bbl. _deg.	cQ) ² -e ^{-s})	ONS Speci Speci Pc Pw2	fic Gravitic	ty Sepa ty Flow PC	last pw pc pc ps. 2	
No. No. Absol COMPA ADDRE	Quid Hydro y of Liqui Pt (psia)	Pt Pt 399.7 388.4 365.1	io_pons (1-e-s)	\$80.2 \$80.2 \$80.2 PRE	cf/bbl.deg.	cQ) ² -e ^{-s})	ONS Speci Speci Pc- Pw2	fic Gravitic	ty Sepa ty Flow PC	last pw pc pc ps. 2	
Sas Li Gravit Fc No. 1. 2. 3. 4. 5. Absol COMPA ADDRE	Pt (psia) 632 643 ute Porent NY SSE and TITLE	Pt Pt 399.7 388.4 365.1	10 bons (1-e-s)	F _c Q) ²	cf/bbl.deg. MCFPD;	cQ) ² -e ^{-s})	ONS Speci Speci Pc- Pw2	fic Gravitic	ty Sepa ty Flow PC	last pw pc pc ps. 2	

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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c 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.
- 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} .