## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55
revised	エベーエーファ

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	tial										
	pany Delki-										
Unit	t <u>B</u> s	Sec	Tw	m. <b>30-</b> 5	Rg	e. 10-W	Purc	chaser ·			
Casi	ing 5-1/2" W	/t	<u> </u>	.D. 4.	<b>897</b> Se	t at 73	<b>34</b> Pe	7211 erf. <b>7885</b> <b>7811</b>		То	7235 7122 7021
Tub	ing 🔭 W	t. 4.7	<u> </u>	.D. 1.9	Se Se	t at	<b>106</b> Pe	erf. 7	200	To 71	<u> </u>
Gas	Pay: From_	7010	_To	7236	L	7111 7	.G63		4400	Bar.Pr	ess. <u>11</u>
Prod	ducing Thru:	Cas	ing		Tu	bing	Sir	Type We	ell enhead-G.	G. or	G.O. Dual
							ED DATA		/11 10/mp*_		
Test	ted Through	(Prov	<u>er) (</u>	Choke)	(Motor)				Type Tar	os	<del></del>
	(Proven)	Flow I		ata	n:ce l	Фо	Tubing	Data	Casing I		Dunakian
No.	(Prover) (Line) Size	(Orif:	ice)	psig	! !	o <sub>F</sub> .	1	Temp.	Press.		of Flow
SI			789				1197		2183		10 days
1. 2.		3/		214		97.	1114	1 11	829	<del> </del>	3 hours
3.											
4. 5.				<b> </b>		<del></del>		<del> </del>		<del> </del>	
<del></del> -	Cooffici		<del></del>	-a			CULATION				Data & Wlass
No.	Coefficient (24-Hour) $\sqrt{h_w}$		$\sqrt{\mathrm{h_{w^{\mathrm{l}}}}}$	— I		Factor F <sub>t</sub>		Factor Fg	Compress. Factor		Q-MCFPD @ 15.025 psia
1. 2. 3. 4.	13,365				226	.9904		.9721		1,018 3714	
3.											
4.											
ravi	iquid Hydro ty of Liqui	d Hydro	carb			cf/bbldeg.		Speci Speci		tv Flow	arator Gas wing Fluid 4871481
No.	P <sub>w</sub>	Pt <sup>2</sup>	F,	<sub>c</sub> Q	$(F_cQ)^2$	(F (1	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub> <sup>2</sup>	1	Pw Pc
1. 2.								707	4178		.388
3. 4.											
5.											
COMP ADDR AGEN	ESS T and TITLE ESSED	olides To To	FOR	7 - M		PERM, PA	n71	3.			
COMP		30 jus		the Ca	(may)	DEM.	ARKS				
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OIL CON. COM.
DIST. 3

## 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 ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° F.
- PcI 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.
- $F_{DV}$  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  $P_{\rm t}$ .

