ON

MAY 1 6 1966 orm C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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□.	Revised C. C.	12-1-55
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Dat	oducing Thru:		21116	<del></del>	1.	io ing,	Sir	Iype we	enhead-G.	G. or	G.O. Dual
Dat	e of Complet	,1011;_			Packe			Reserve	oir Temp.	<del></del>	
_							ED DATA				
Tes	sted Through				(Meter)	-			Type Tap	s Fla	ange
		]	Flow D	ata				Data	Casing I	)ąta	<u> </u>
No.	(Prover)	(Che	oke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	i i
_	(Line) Size	(UF1)	fice) ize	psig	h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> ,	psig	<sup>⊃</sup> F•	of Flow Hr.
SI	4.026	نما	750				2823	61	2814	61	72 hr.
1. 2. 3.		ļ		456.8		78		69	2809	69	3 br
<del>2•</del>	<del></del> -	<del> </del>		477.0		60	<u> </u>	69	2804	69	2 hr.
7, -		<u>,                                      </u>		486.8 527.6	56	62		69	2799	69	2 hr.
<u>4.</u> 5.		<del>                                     </del>	<del></del>	683.0		59 68	<b></b>	68	2792 2784	68	2 hr. 22hr.
No.	Coeffici (24-Hou		$\sqrt{h_{\mathbf{w}}}$	İ	ssure	Flow Fac	CULATION Temp. tor	Gravity	Compre	r	Rate of Flow Q-MCFPD @ 15.025 psia
1. 2. 3. 4. 5.	19.27	65,04			0.0		4 9831	0822 98		41.037	1276 /254.9
2.		121.27	121	,			110000			61.044	2413 23/6 0
<u>3</u> .		6733	167.	70 50	0.0	998		.9822 .9822	1.04		3317 3309.2
4.		19.34	167.6	1	0.8	1.001		9822		1054	3036 3940.3
Jas : Jrav:	Liquid Hydro ity of Liqui	carbon d Hydr	ocarbo	6533	8	essure c	ALCU ATI	Speci Speci	fic Gravi fic Gravi	ty_Flow	arator Gas 622 ving Fluid 665
· c		····	\_	L-e <u>/</u>	<del></del>	<del></del>	•	Fc	836.2	Fc	8044.0
No.	P <sub>w</sub> P <sub>t</sub> (psia)	Pt	Fo	Q	(F <sub>c</sub> Q) <sup>2</sup>	(F	cQ) <sup>2</sup> -e-s)	P <sub>w</sub> 2	$P_c^2-P_w^2$	Ca H	Pw Pc
1. 2. 3. 4. 5.	2822.2							964.8	79.2		99.5
~· 1	2817.2					<del></del>		936.6	107.4	<del> </del>	99.3
4.	2805.2	<del></del>						908.5 8 <b>6</b> 9.1	135.5	<del></del>	99.2
5.	2797.2			<del></del>				824.3	174.9 219.7	1	98.9
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	PANY Olson			Company	<del> </del>	morpu;	n966				
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MILL	NESSED <u>J. J. J. E.</u>	8,5	0.50								
$C \cap M$	PANY										
COPL							ARKS				

Due to the nature of the testing equipment, a larger flow rate was not feasible.

## 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
- 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<sub>DV</sub> 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  $P_{\mathbf{t}}$ .