## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

- 00	l Wilde	<b></b>	·		_Formation	nMa	leverde_		County_	Sar	Juan County
Ini	tial	<del></del>	Ann	ual_	<del></del>	Spe	cial		Date of	Test_	Angust 8, 19
											2
											a Company
Cas	ing 7	Wt2	3-20 #	H.D	6.366 Se	et at 10	96 KB Pe	erf.	570	_To	<u> </u>
											1,893
Gas	Pay: From	4670	To	4875	L	1879	cG0.6		3268.0	_Bar.Pr	ess12.0_
Prod	ducing Thru	: Ca	sing_		Tu	lbi.ng_	I.	Type W	elle	wile flee	
Date	of Complet	tion:_	8-1	-58	Packe	r	Sir	gle-Brad Reserv	enhead-G. oir Temp.	G. or	3.0. Dual
							ED DATA				
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	(D)	I /0	Flow D	ata			Tubing		Casing		1
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•		<del> </del>		<u> </u>							
•										T	
					I	FLOW CAL	CULATION	s		<del>-1</del>	<del></del>
٥.		Coefficient Pressure		Flow Temp. Gravi		Gravity					
$\bot$	<del></del>		√ h <sub>w</sub> i			Ft		Fg	F <sub>p</sub> v		@ 15.025 psia
	12,3650				99	.992		-9163	1.00	0	1,161
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					PRE	SSURE CA	LCUIATIO	ONS			
. Li .vit	iquid Hydrod by of Liquid	arbon 1 Hvdr	Ratio	ons		cf/bbl. deg.		Speci	fic Gravi	ty Sepa	rator Gas
			(1	-е <sup>-s</sup>		ueg.		Pc	1027		ing fluid
<del>-</del>	D I			·	Г -			Per	114		12.9
	P <sub>w</sub>	$P_{\mathbf{t}}^2$	Fc	Q	$(F_cQ)^2$	(F <sub>c</sub>	Q) <sup>2</sup> e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal	L. Pw
						(1-	e <sup>-s</sup> )	12.9	10/1 8	Py	
1	Pt (psia)								TUITE	<del> </del>	
	Pt (psia)			· · · ·						+	
	Pt (psia)									ļ — —	
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sol MPA DRE	ute Potenti NY SS P. O.	louthe Box	Fig. P	on Gr	a Company gion, Her Case	. *	n0.7	5			
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sol MPA DRE ENT	ute Potenti NY SS P. 0 and TITLE SSED	louthe Box	Fig. P	on Gr	cton. Her	. *		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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- Pc= 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.
- Fpv 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  $P_{\rm t}$ .

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