MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS 9: 49

Revised 12-1-55

Pool	Eumont			F	ormation	n Oneer	<u> </u>		County	es	
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te	of Comple	tion:_	3_8_0	<u>6</u>	Packe	er	Sin	ngle-Brade Reservo	enhead-G. oir Temp.	G. or G	.O. Dual
							VED DATA		•		
ste	d Through	(Pro	ver) (Ch	yka)	(Meter)				Type Tap	s_Pip	
 -	(Presson)		Flow Data				Tubing	Data	Casing D	ata	
	(Line)	(Ori	fice)		I		1		Press.	l - I	Duration of Flow
	Size	S	ize p	sig	h <sub>w</sub>	° <sub>F</sub> .	psig	°F.	psig	°F∙	Hr.
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	N .			4.9	19.4	102	1000 J	60			211
7	# #				32.9	84	852.0	60			24
+-	<del></del>		119	0.Z /	45.0	78	873.7	60	<del> </del>		
•	Coefficient		Pr		essure Flo		Temp.	Gravity Factor	Compre	Rate of Flow Q-MCFPD @ 15.Q25 psi	
			Y WII		·				μv		
1	3.515				08.1	9618		9163	1.039		330
	н				06.2	9 <b>77</b> 7		9163	1.045		1,38 515
	quid Hydro	ocarbon	Ratio		PR	ESSURE C	ALCU ATI	ONS	fic Gravit	v Separ	
rity	of Liqui	id Hydr	ocarbons (1-e	<del>-</del> 87		deg.		Speci	fic Gravit	y Flowi	ing Fluid
	-5.866	<del></del>	(1-e				•	<sup>P</sup> c <b>-l01</b>	U <sub>1</sub> -8	_ <sup>P</sup> c̃ <b>10</b>	29.8
1	Pt (psia)		F <sub>c</sub> Q	F <sub>c</sub> Q		(F	cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal P <sub>w</sub>	P <sub>W</sub> P <sub>C</sub>
	08.6	825.6		二	3.718		585	826.2	20.3.6	909.0	
	65.2 26.9	748.6			6.600		83	71,9.6	280.2	865.8	85
<u> </u>	cu.y	68 <b>3.8</b>	3-021		9.126	1.3	<b>2</b> 0	685.2	344.6_	827.8	-82
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data points obtained.

## 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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). 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.
- $F_t$  Flowing temperature correction factor.
- $F_{pv}$  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  $P_{t}$ .