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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Po	ol	DUTTO PE		F	'ormation	Dakota	l ————————————————————————————————————		County_	San J	lan
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	oing										
Gas	Pay: From	1	_To		L	,	ĸG		0.65	Bar.Pr	ess. 12.0
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	e of Comple						Sin	alo_Read	anhaad C	C /	G.O. Dual
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	9 99:		·		I		CULATION				
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C	oy or Liqui	u nyuro	ocarbo r)	ns _e ^{_s})		deg.		Speci	fic Gravit 1988	y Flow	ing Fluid
·—								Pc		-Pc	1978 I44
.	$P_{\mathbf{w}}$	2					2		^ -	1	
No.	5. /	$P_{\mathbf{t}}^2$	Fc	3	$(F_cQ)^2$	(F _c	Q) ²	P _w 2	$P_c^2 - P_w^2$	Cal	l. P.
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3.											
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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.
- 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.
- F_{g} : Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fnv 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 $P_{\rm t}$.