## NEW MEXICO OIL CONSERVATION COMMISSION 10 25 MM 64

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			I-IOINI D	ACK PRES	SSURE TE	ST FOR GA	S WELLS	Lea	Form C- Revised 12-1	
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mpany	my H. C.Hood		Lease Betenbough			ugh @	Wel_	.1 No	1	
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Coefficient (24-Hour)		Pressure hwpf psia		FLOW CALCULATI Flow Temp. Factor Ft		Gravity Factor	) <u>-</u>		Rate of Flow Q-MCFPD 15.025 psi	
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F <sub>W</sub> Pt (psia)	Pt <sup>2</sup>	F <sub>c</sub> Q	$(F_cQ)^2$	(F	(cQ) <sup>2</sup>	P <sub>w</sub> 2	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Cal	n_	
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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 it least three inch cycles.

## NOMENCLATURE

- Q I 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
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$  Differential meter pressure, inches water.
- FgI 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  $P_{\rm t}$ .