NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE	TEST	FOR	GAS	WELLS
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Revised 12-1-55

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54.3653 54.3653 Liquid Hydro vity of Liquid	d Hydrocarb	.o 181.	PRE	SSURE CA	ALCUIATIO	NS Special Special	fic Gravi	ty Separ	rator Gas_
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Liquid Hydrovity of Liquid Measured Pt (psia)	d Hydrocarb Pt F	o 181, oons 32 1-e ⁻⁵)	PRE	cf/bbl.deg.	ALCUIATIO	Specimon P _c 108	fic Gravific	ty Separ ty Flowi Pc 117	rator Gas_ing Fluid_3.3
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Liquid Hydrovity of Liquid Measured Pt (psia) 55.2 763.2 623.2	P _t F ₀ 783.6 613.4 388.4	o 181, oons 32 1-e ⁻⁵)	PRE	cf/bbl.deg.	ALCUIATIO	P _w 2	fic Gravific	ty Separ ty Flowi Pc 117: Cal Pv 895.	rator Gas ing Fluid Pw Pc 1.8264 1.681
Liquid Hydrovity of Liquid Measured Pt (psia) 855.2 753.2	P _t ² F. 783.6 613.4 368.4 363.9	o 181, oons 32 1-e ⁻⁵)	PRE	cf/bbl.deg.	ALCUIATIO	P _w 2	fic Gravific	ty Separ ty Flowi Pc 117: Cal Pw 595. 625. 738.2	Pw Pc .8264 .6815
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Liquid Hydrovity of Liquid Measured Pt (psia) 855.2 763.2 603.2 703.2 solute Potentine	P _t F 783.6 613.4 368.4 363.9 494.5 ial: 4.80	o 181, oons 32 1-e-s)	PRE	cf/bbl. deg.	ALCUIATIO	P _w 2 601.4 681.0 544.9 480.5	fic Gravific	Cal P. 895. 693. 793.	Pw Pc .8264 .6815 .6399 .7323
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Liquid Hydrovity of Liquid Measured Pt (psia) 855.2 763.2 603.2 703.2 solute Potentine	Pt F 783.6 613.4 368.4 363.9 494.5 ial: 4.60 en C11 omp 91 Jal, R Engineer	0 181, cons 32 1-e ⁻⁵)	PRE	cf/bbl.deg. (F. (1-	ALCUIATIO	P _w 2 501.4 561.0 544.9 460.5 629.2	fic Gravific	Cal P. 895. 693. 793.	Pw Pc .8264 .6815 .6399 .7323

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 Tactual rate of flow at end of flow period at W. H. working pressure (P_W) . 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
- P_{f} 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 $P_{\rm W}$ 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 $P_{\rm t}$.