NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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ate of Complet	ion: sic 3	/21/61				keservo	ir Temp.	922_		
				OBSERVEI	DATA					
ested Through	(Prover)	(Choke)	(Meter)				Туре Тар	s		
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(Line)	(Orifice)	1 1	1		ŀ	1		i I	Duration of Flow	
Size	Size	psig	h _w	o _F .	psig	F.	psig	F.		
	0.75						507	60(1)	7 days	
		 								
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Coeffici	ent	Pre			emp.	Gravity			ate of Flow	
0. (24-Hour) 7		h _w p _f psia		Factor F _t		Factor F _g			Q-MCFPD @ 15.025 psia	
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Liquid Hydro vity of Liqui	d Hydrocark	bons		f/bbl. deg.		Specia		ty Flowi	ator Gas ng Fluid	
	((1-e ^{-s})				P _c	519	_Pc	269.361	
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•	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F _c Q	1)2	P _w 2	$P_c^2 - P_w^2$	Cal		
		600	eli con	(T-e	, ,	7.766	261.50		P _C	
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				MCFPD · n						
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P _w	Pt ²	(1-e ^{-s})	(F _c Q) ²	(F _c Q (1-e	141	P _c P _w 2	519	P _C	. P	

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.
- F_t Flowing temperature correction factor.
- F_{nv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\mathbf{W}}$ cannot be taken because of manner of completion or condition of well, then $P_{\mathbf{W}}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\mathbf{t}}$.