NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

FUU.	·	M. C.		r () rimit Lon	PLOT	Star CTT	128	county			
Initial X Annual					Special				Date of	Test	<u> 10-5[</u>	-57
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Tub:	ing 1"	wt. <u>l.</u> 7	I	.D.	Se	t at_ 🌋	109 Pe	rf. 20 9	9	То	2109	
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	e of Complet						Sin	gle-Brade	enhead-G.	G. or (3.0. I	Dual
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No.	(Line)	(Orif	fice)	Press.		o _F .				1		of Flow
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5.										<u> </u>		
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т	Coeffici	ient		Pr			CULATION Temp.	Gravity	Compre	ss.	Rate	of Flow
No.					F		tor	Factor	Factor		Q-MCFPD	
	•	$(24-Hour)$ $\sqrt{h_W}$			p _f psia		t	Fg	Fpv		@ 15.025 psia	
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4.												
5.												
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- 1	$P_{\mathbf{w}}$								_			
No.	- W	P_{t}^{2}	F	ွဍ	$(F_cQ)^2$	(F	$\frac{c^{Q}}{-e^{-s}}$	P_w^2	$P_c^2 - P_w^2$	Ca	11.	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$
	Pt (psia)					(1	_e-s)	. <u></u>		I	W	P _C
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3.									<u> </u>	 		
4.										15	TA.	
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COMF	ANI			,		REM.	ARKS	. —				

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 T Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). 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
- P_f Meter pressure, psia.
- hw- Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- Fpv 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} .

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