NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE OCC

VIS A. UTZ Form C-122

SENGMER
Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

									_County	5 .	-28-56
tia	1		_Annua	1	Special			Date of Test 7-5-56			
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t _	В	Sec1	Twp	20-3	Rge	. <u>37-1</u>	Purc	naser Per	mian Bas	in Pi	pe Line Co.
ing	51	Wt. 14	<u> </u>	D. 5.	012 Set	at_34	05 Per	rf		То	
ing	2 3/8	Wt.	70 _I.	D. 1.	995 _Set	at	511 Per	rf	· .	То	
											88
									•		
0.0	f Comple	tione	1-12	-5A	Packer	3356	Sin	gle-Brade	ll Sing nhead-G. ir Temp.	G. or G	.O. Dual
e o.	r compre	ctou:		74	racker			iteser vo	TI Temp.	 	· · · · · · · · · · · · · · · · · · ·
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		<u> </u>	75	162.0	10.0	70	538.7				24
	<u> </u>	1	75	166	11.5	72_	477.5			 	23 3/4
	Coefficient (24-Hour)					Flow Fac	CULATION: Temp. tor	Gravity	Compre Facto Fpv	r	Rate of Flow Q-MCFPD @ 15.025 psid
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P,	w t (psia)	$P_{\mathbf{t}}^2$	Fc	Q	(F _c Q) ²	(F (1	(cQ) ² (-e-s)	P _w 2	$P_c^2 - P_w^2$	Ca	Pw Pc
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5	51.9	304.	6 i		214.1	31.	56	337.1	Lat.	579	.7 .61
_[90.7	240.	2 1	5.97	255.0	37.	49	278.2	552.	527	<u> </u>
0] 111	te Poten	tial:	•	276		MCFPD;	n #	<u> </u>	· · · · · · · · · · · · · · · · · · ·	<u> </u>	
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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 \equiv Actual 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
- PwI 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.
- Fg 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 $P_{\rm t}$.