

Form C-122

MODUS OFFICE OCC MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

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Init	ial_ <u>*</u>		Annı	ual		Spec	cial		Date of	Test_	6-19- 6-27-	.56 .56	
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. .	ucing Thru	. Ca	rsTug	<u> </u>	Tu	ibi.ng	Sin	Type W gle-Brad	ell_ Brad enhead-G.	G. or	G.O.	Dual	
ite	of Comple	tion:_	12-5-	•35	Packe	r		Reserv	oir Temp.				
		,				OBSEDIA							
est.	Through	Pa	ver) (boke)	(Meter)				Type Ta	ps	Pipe		
_	<u> </u>		Flow Da				Tubing		Casing		- -		
	(Prover)	1 , , ,	oko) fice)	Press.	Diff.	Temp.	Press.	lemp.	Press.		-	Duration	
_	Size			psig	h _w	°F.	psig	o _F ,	psig	∘F•		of Flow Hr.	
7		1	.50	LET A	6.7	97			935.6			72 3/4	
Τ	<u> </u>	1	.50	461.7	13.8	86			746.4	-	+-	2 <u>4</u> 23 1/2	
F	<u> </u>			458.3		87			674.0			24 1/4	
T	Coeffici	ent	·	Pr	essure	Flow 1	CULATIONS	Gravity	Compre		Rate	of Flow	
	(24-Hou	r)	$r) \sqrt{h_{\mathbf{W}}p_{\mathbf{f}}}$		psia	Fact Ft	tor	Factor F _g	1		Q-MCFPD @ 15.025 psia		
╀	15.26				71.0	1.0 .966		9463	1.011		#16		
	15.26		104	2	74.9	97	50	9163		1.044		1,191	
+	15.26		133.		0.7	.97	50	-9463 -9463		243	1,959		
					PRE	SSURE CA	LCULATIO	 NS					
Li	quid Hydro	carbon	Ratio			cf/bbl.		Speci	fic Gravi	ty Sepa	arator	Gas	
10	y of Liquid	а нуаг	ocarbo (1	ns -e ^{-s}		deg.		Speci	fic Gravi	ty Flow	ving F	luid	
								- C—	740. -	c 9	50,2 .		
·	ow Ot (psia)	Pt	Fc	5	$(F_cQ)^2$	(F _C	Q) ² e-s)	P _w 2	$P_c^2 - P_w^2$	Ca	1.	Pw Pc	
	\$22.7							644	211.4	- I	W	F _C	
	137.3							577.0	323.2				
-	618.6		-					362.9	517.3	+		• 72	
oli	ite Potenti	ial:_	1.04			MCFPD:	n92			<u> </u>	L_		
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INSTRUCTIONS

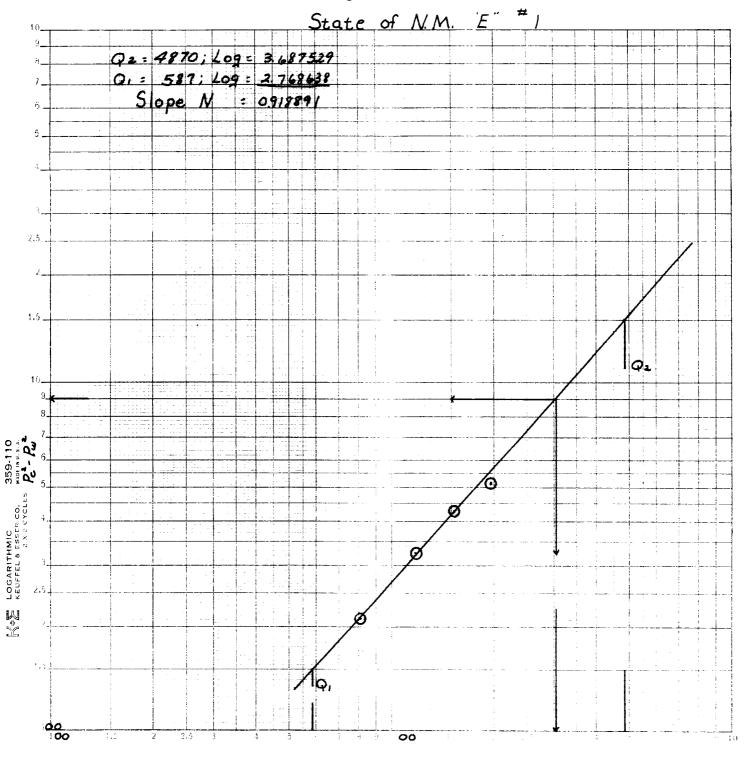
This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (P_w). MCF/da. @ 15.025 psia and 60° F.
- Pc= 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- $F_t \Gamma$ 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 $P_{\rm t}$.

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Q: MCF/Day Q: 3,050
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