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

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Initial & Annual_		ual							
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sing 4-1/2 W								63	35-60 64-75
bing 1-1/8 W									
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te of Complet	10n; 18 -	13-44	_racker			neser vo	TI Temb.		
				OBSERVI	ED DATA				
sted Through		(Choke) (10000)				Type Tap	os	
·	Flow				Tubing		Casing I		
(Line)	(Choke)		Diff.	Temp.		Temp.		1 -	Duratio of Flo
Size	Size	psig	h _w	°F•		o _F .		°F.	Hr.
9 Bay 2 Inch	.735	351			1972	660 est.	1940	A45 a4	k. 3 Mr.
& Alesta	,730	334			<i>~</i>				
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	_ _		Ŧ	LOW CAL	CULATION	S			
Coefficient		Pre							Rate of Flow
(24-Hour)		wp _f psia		F _t		Factor F _g	Fpv	@ 15.025 psi	
12.5650		- 1	63	1,00		.9250	1,04		4234
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			PRI	ESSURE C	ALCUI ATI	ons			
Liquid Hydro	carbon Rat	io		cf/bbl.		Speci	fic Gravi	ity Sepa	rator Gas
rity of Liqui				deg.		Speci P_	fic Gravi	ity Flov P2	ring Fluid
		_(•	- C			
P _w					.2		2 2		
Pt (psia)	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F	cQ) ² -e ^{-s})	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca	Pw Pc
rt (psia)						190,000	3,318,00		W
								_	
		4304					L		
solute Potent	ial:	4784 755044.500	-60000	MCFPD;	n				
MPANY DRESS	1 400, Pm	uge,	HEV HAL	ti eo				EII	
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TNESSED MPANY	ORIGIN F.	AL SIGNED BY W. Foell						KFALI	
· 	·	. <u> </u>		REM	ARKS			DEC 3 C	1964
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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 I Actual rate of flow at end of flow period at W. H. working pressure (P_W). MCF/da. @ 15.025 psia and 600 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
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}^{-}$ Differential meter pressure, inches water.
- F_{g} Gravity correction factor.
- Ft_{-} Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.