## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Beein	Dobots	<u> </u>		Formation	1	ehets		_County_	<u>ten</u>	Juan	
Init	ial <b>1</b>	<u> </u>	Annu	al		Spec	ial		Date of	Test	10-26-64	
Comp	any <b>FAM AM</b>	RICAN	PETROL	ATRI C	GEP.	Lease_	lleges 6	anyon 10	O Unit Wel	1 No	1	
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	ng 4-1/2	-	-								794-5802	
	ng <b>2-3/8</b>											
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Prod	ucing Thru	: Ca	sing		Tu	bing	Sin	Type We gle-Brade	ell enhe <b>ad-G.</b>	G. or (	3.0. Dual	
Date	of Comple	tion:_	10-11	)-64	Packe	r571	1.7	Reservo	oir Temp	<del> </del>		
						OBSERV	ED DATA					
Test	ed Through	(iles	(	Choke	(**************************************				Type Tap	s	Tlange	
			Flow D				Tubing Data		Casing D	ąta	I	
No.	(Line)		oke)	Press	Diff.	-	Press.		Press.	l	Duration of Flow	
	Size		ize	psig	g h <sub>w</sub>	°F.	psig	°F.	psig	°F.	Hr.	
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$\neg$	FLOW CALCULATIONS  Coefficient Pressure Flow Temp. Gravity Compress. Rate of Flow											
No.	(21-Hour)		7 h na		nsia	Fac	tor Factor		Factor F		Q-MCFPD 0 15.025 psia	
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2 <b>.</b> 3.												
4. 5.												
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c(1-e <sup></sup>					· 0.235			P <sub>c</sub> 2157 P <sub>c</sub> 4,632,640				
	<del></del>	,			<del></del>	<del></del>		·	γ	<del></del>		
No.	$P_{\mathbf{W}}$	P	2 F	<sub>c</sub> Q	$(F_cQ)^2$	(F	$c^{Q}$	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	1	Pw Pc	
1.	Pt (psia)		72.	34	5642.23	(1	<u>-</u> € ° /	44.211	2.000.432	1290	W Pc	
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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 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{W}^-$  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.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv 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  $P_{\mathbf{t}}$ .