## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	ol	Blanc	o Mess	verde_	·	_Formatio	n <u>n</u>	esaverd		County_	Rio	leri ba	
In	itial		X	Ann	ual		Spe	cial		Date of	Test_	June 5, 1958	
												60	
Cas	7	5/8" 1/2"	Wt. 1	6.4 5.5	I.D.	6.969 1. 950 S	et at 318	3 1 - 5500	Perf. Le	76	То	Sl:97	
Tub	oing a	2 /R#	Wt.	. 7	- [_D_	1 00K S	et at e	:1.9 :1.9	Perf F	<del>/0</del>			
												• - •	
												ress <u>12,0</u>	
Pro	Producing Thru: Casing Tubing Type Well Single Gas  Single-Bradenhead-G. G. or G.O. Dual												
Dat	e of	Comple	etion:	Hay 25	, 19	58 Pack	er		Reserv	oir Temp.			
							OBSERV	ED DATA	<b>L</b>				
Tes	ted I	hrough	n (Pro	ver) (	Chok	e) (Meter	)			Type Ta	ps		
				Flow D	ata	<del></del>		Tubir	g Data	Casing	Data	1	
No.	(F	rover) Line)	(Cl	noke) fice)	Pres	ss. Diff.	Temp.		· Temp.			· ·	
		Size		Size	psi	ig h <sub>w</sub>	°F.	psig	°F.	psig	<sup>⊃</sup> F•	of Flow Hr.	
SI		<del></del>						1046		1072	ļ	7 days	
1. 2. 3. 4. 5.					40.	3	71,57	403	740	893	<u> </u>	- 3 hours	
<u>3.</u>			<del>-  </del>		-				-				
5.							<u> </u>			<u> </u>	<b>-</b>	<del> </del>	
							FLOW CAL	ር፤ በ ልጥፕ ር	NS		-		
No	C	oeffic	ient				Flow	Temp.	Gravity			Rate of Flow	
No.			ur)	ur) $\sqrt{h_{wl}}$		p <b>sia</b>	Factor F+		Factor F <sub>a</sub>	1 1		Q-MCFPD @ 15.025 psia	
1. 2.	12,3650					1,15	0.9868		0,9463	1.01.3		4,997	
3.			<del></del>	<del> </del> -									
4.													
5.	<del></del>			J			<del></del> -						
						PR	ESSURE C	ALCUTAT	IONS				
				n Ratio			cf/bbl.		Speci	fic Gravi	ty Sepa	aratior Gas	
Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid													
·	<del></del>			\						108L	_Pc	1175	
	Pw	<del></del>				T	7		Pw	905	P2 <sub>w</sub>	819	
No.	P+ (	(psia)	P	$\tilde{\mathfrak{t}} \mid F_{\mathfrak{c}}$	,Q	$(F_cQ)^2$	(F.	cQ) <sup>2</sup> -e-s)	$P_w^2$	$P_c^2 - P_w^2$	I	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
<u> I.                                   </u>		(pord)					- (1		819	356		P <sub>w</sub> P <sub>c</sub> 0.833	
1. 2. 3. 4.		·	<u> </u>			ļ		T				V8033	
4.											<del> </del>	<del>-                                    </del>	
5.		<del></del>											
Abso COMP		Potent		12,			MCFPD;	n	75	<del></del>			
ADDR	ESS	13	Λ D			OMPANY ngton, No	m Marias		<del></del>		<del></del>		
	T and	l TITL	<u> </u>	- <b>∐., Ŭ</b> o:	ffman								
	ANY_			Procto		CEDENY	<del></del>	<del></del>		TO THE	Par C		
							REMA	RKS	18	TILL TO	4		
1.	5 <del>1</del> 1	set .e	a 14m	er. to	n at	3181. hot	tom at C	590.	<b>f</b> '	JUN9 19	358 İ		
	1. 5%" set as a liner, top at 3181, bottom at 5599.  OIL CON CONTROL OF THE STATE O												
									/	DIL COM	- /		
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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<sub>W</sub>). 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.
- Fg Gravity correction factor.
- Ft 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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