## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool		Babot	8					I FOR GAS		in i			
Initial E			Annu	Annual		Special			Date of T	est	-20-44	<u>,                                     </u>	
lniti	a1		AIII.0					del	Well	No	•		
Compa	ny Maria		4.11		· · · · · ·	casc	See Press	hagan					
Unit	-	Sec	Tw.	p	Rge	•	Purc	haser			999		
Casin	g 4-1/2	Wt. 1	. <b>5</b> I	.D. 4.	Set	at	<b>377</b> Pe	rf					
Tubin	g_3-3/1	Wt4	.,7 I	.D. 1.	995 Set	at	Pe	rf		ro			
Gas P	ay: From	1	To	<u>,</u>	L					Bar.Pre	88•	14	
Produ	cing Thru	ı: Ca	sing_		Tub	oi.ng	Sir	Type Weingle-Brade Reservo	nhe <b>sd-G</b> .	G. or G	.O. Dr	ıal	
Date	of Comple	etion:	7-1	3-64	Packer	r_ Be	<b>&gt;</b>	Reservo	ir Temp				
	-	_					VED DATA						
Tested Through (Section) (Choke)								Type Taps					
Teste							Tubing	Data	Casing D	ata .	<u> </u>		
	(Person	) (CI	noke)	Press	Diff.	Temp.	Press	Temp.	Press.	Temp.		of Flow	
No.	(Line) Size	100	Size	psig	h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> .		°F.		Hr.	
	7 Days					- Charles	1274	66° est.	1481 A21	400 000			
1. 2.	2 lack		730	23_									
<u>3.</u>							<del> </del>						
3. 4. 5.				+									
No.	Coefficient (24-Hour)		/-	wpf	psia	ra	rtor Ft	Factor Fg	Fpv	Compress. Factor Fpv		Q-MCFPD 0 15.025 psia	
2.													
3. 4. 5.													
5.						]					<u> </u>		
					PI		CALCUIAT		isia Cmaw	ity Ser	arato:	r Gas	
Gas I	Gas Liquid Hydrocarbon Ratiocf/bbl. Gravity of Liquid Hydrocarbonsdeg.							Specific Gravity Separator GasSpecific Gravity Flowing FluidPcPcPcPc					
				(1-e <sup>-8</sup>	)			Pc	1603	rc	.,000 <sub>1</sub> :	100	
No.	P <sub>w</sub>	-\	Pt	F <sub>c</sub> Q	(F <sub>c</sub> Q)	2	$(F_cQ)^2$ $(1-e^{-s})$	P <sub>w</sub> 2	P <sub>c</sub> -P <sub>w</sub>	; (	Cal. P <sub>w</sub>	P. Pc	
1.	Pt (psi	a)						17,400	2,470,76	•			
2. 3.												<del> </del>	
4.					<del></del>			<del> </del>					
				944		MCFF	D; n	.75					
	olute Pot PANY	ential				*****							
	RESS	TI.E			Pietriet	Treise				Marine Section			
WIT	NESSED												
COM	[PANY			E W.	Fooli	I	REMARKS	OCT 01 1064					
										1			

## 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<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_{\rm c}$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $F_{g}$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n \_ 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  $P_{\mathbf{t}}$ .