## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool		Basia Behota			Formation				County			
					Spe				Date of	Test	10-15-64	
Co	mpany A		PERMO	LITTH CO	RP.	Lease	lleges C	anyon thi	 S <b>t-Bak.</b> We	ll No.	176	
	it <u> </u>											
Ca	sing <b>4-1/3</b>	Wt.	• 5 I	.D. 4.	932 Se	t at 🎒	ier p	491 arf 494	3-6330	m_	<del></del>	
Tul	bing 2-3/0	Wt.	6.7 T	.п. <b>1.</b>	)95 so	+ a+ 4	172 P.		6941	_ <sup>10</sup>	4900	
Producing Thr		C.	1: Casing				di	-GL 4401		_Bar.Press13		
Date of Compl		u. 00	Bilite:	-44	I doing,		Single-Brade Reserve		ell_ enhe <b>ad-G.</b>	G. or	G.O. Dual	
Dat	se or combi	ecton:			Packe			Reserve	oir Temp.	<del></del>		
_		****					ED DATA					
Tes	sted Throug	h tre	<u> </u>	Choke)	(TOUCH)				Type Tap	ps		
	Trovo	(Ch	Flow Da	ata Press.	Diff	Temp	Tubing	Data Temp.	Casing I	Data		
No.	(Line) Size	(Or s	ize	psig	h	o <sub>F</sub> .		o <sub>F</sub> ,	l .	1	Duration of Flow	
SI	9 Days				11W	Г•	3864	F.	psig	F.	Hr.	
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3.												
4.							·			<b>†</b>		
<u> </u>	<u> </u>											
					F	LOW CAL	CULATION	5				
No.	Coefficient			Press		ure Flow Temp		Gravity	Compress.		Rate of Flow	
		(our) $\sqrt{h_w}$		_ [		Factor			Factor		Q-MCFPD	
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1. 2. 3. 4.						AA		.9254	1.06		5740	
<u> </u>												
5.								<del></del>				
					DDE	OCITE CI			<del>-</del>		·	
					PRE	SSURE CA	LCUIATIO	ns				
as i ravi	Liquid Hydr ity of Liqu	ocarbor id Hydr	Ratio	nc	<u> </u>	cf/bbl.		Specia	fic Gravit	ty Separ	rator Gas	
c		(1-e <sup>-S</sup> )			deg. Spec			P <sub>C</sub>	fic Gravity Flowing Fluid 2076 p2 4,309,776			
								- c—		c		
Т	$P_{\mathbf{w}}$	T				<del>-                                    </del>				<del></del>		
No.		Pt <sup>2</sup>	Fc	2	$(F_cQ)^2$	(F <sub>C</sub>	Q) <sup>2</sup> ∈-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca]	P	
-	Pt (psia)	<b></b>			·	(1-			- "	P.		
1. 2. 3. 4.		<del> </del> -				<del></del>	<del>}</del>	101	327,695			
3.										-		
<del>4 •  </del> 5 •		<del> </del>								<del> </del>		
	lute Poten			6968			<u>-</u>			<u> </u>		
COMP					M COLIFE	MCFPD:	n	75		Age of one		
ADDR		430,	, Vacad	agens,	Nov Box	les						
	T and TITL ESSED	E J. B. Bore, District   Dy: Orginal Signed By:				Graves			7 K	/ Krom		
COMP		G. W. EATON, JR.							007261864			
						REMA	RKS		1 11	coi'. '	<del>20M./</del>	
									10.0	DIST.	3 /	

## 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  $(P_{\rm W})$ . MCF/da. @ 15.025 psia and 60° F.
- P<sub>c</sub>= 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.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{pv}$  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  $P_{\mathbf{L}}$ .