Revised	12-1-55

		to the contract of the contrac	The second	· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	F	Form C-12	
D	l Jalunt	J. C;	MUL	TI-POINT	BAUK PRE	SSURE TES	ST FOR GA	METTYS			
P00.				_Formation	U 1868	8 - [RL	-	County	. 1900	-// B >-/-	
	tial										
Com	pany El Pas	o Natur	al des co	subs 11A	Lease	Hoberly	*C*	Wel	l No	3	
Uni	t <u>B</u>	Sec. 21	Twp 26	R _{	ge. <u>37</u>	Purc	haser <u>El</u>	Paso Natu	ral Gas	Company	
Cas	ing 5 1/2	Wt. 17.0	I.D	S	et at_30	97 Pe	rf		То		
Tub	ing 2.0	Wt. 4.7	I.D	Se	et at_ 30	85 Pe	rf		То		
	Pay: From					2					
Dat	ducing Thru		_15_1ele			Sin	gle-Brade	enhead-G.	G. or G	.O. Dual	
Date	s or commbre.	tion:	+17-174E	Packe	er		Reserve	oir Temp			
					OBSER	VED DATA					
Test	ted Through	(HHUW	MAN (ASHION	e) (Meter)	<u>)</u>			Type Tap	s	ange	
		F	Low Data			Tubing	Data	Casing D	ata i		
No.	(Line)	(WHICH	Pre	ss. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration	
NO.	(Line) Size	Siz	ice) ze ps	ig h _w	o _F .	psig	o _F ,	psig	°F.	of Flow Hr.	
SI						605				72	
1. 2. 3. 4.	<u>l</u>	1,250			73	589	 			<u>_</u> 2h	
~ 3.	1	1.250			76	558	 		 	24	
4.	4	1,250			71	334				91	
<u>5. !</u>		<u> </u>					<u> </u>	l	<u> </u>	· ·	
	Cooffic	: ant 1		Decaring		CULATION		Company	Ti	Onto of Flour	
No.	Coefficient (Flange)			Pressure	l .	Flow Temp. Gravity Factor Factor Ft Fg		Compre Facto		Rate of Flow Q-MCFPD	
	(24-Ho	* .	$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$					Fpv		@ 15.025 psia	
1. 2.	9.643		66.14		.9877		9127	1.060		632	
2.	9.643 9.643		112.90		-9850		9427	1.057		1,070	
20	9.643		121.55		.9877 .9868		9127	1.050		1,158	
3. 4. 5.					2,500		474461				
				PF	RESSURE O	CALCUTATI	ONS				
lse T	Liquid Hydro	aca nhan	Patio I	later	cf/bbl.		Speci	fic Gravi	tu Senai	nator Cae	
	ty of Liqui		carbons		deg		Speci	fic Gravi	ty Flow:	ing Fluid	
`c	9.936		(1-e ⁻	5) 0.13	3	-	Pc	618.2	Pc 382	.2	
	€¥,	52		(7.0)2	, ,	2012	TD 0	P _C -P _w ²	0-1		
No.	Pt (psia)	P t	F _C Q	(F _c Q) ²	(1	F _c Q) ² L-e ^{-s})	$P_{\mathbf{w}}^2$	Pc-Pw	Cal P		
1.	602,2	362,6	6,28	39.44	5.	25 1	67.9	14.3	606.5		
2.	580,2	336,6	10.63	113.00	15.	93	51.6	30.6	593.0		
3. 4.	571.2	326.3 299.4	11,51	209.96	17. 27.		27.3	38.3 5h.9	572.1	- 88	
5.											
Absc	olute Potent	tial:_	4,950		MCFPD;	n 0.629)				
			tural Gas								
	ESS P. IT and TITL	O. Rox	1.// AL	Here Here		ight Pet	roleum E	ngineer			
WITN	ESSEDR	rl G. 8	eith /								
COM	PANY	Page N	atural Ga	Gompany	REA	MARKS					

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 (Pw). 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.
- hw Differential meter pressure, inches water.
- FgI Gravity correction factor.
- Ft 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 $P_{\mathbf{+}}$.