MULTI-POINT BACK PRESSURE TEST FOR GAS WELL	န	• •	e &.	Revised 30	12-1-55
---	---	-----	------	---------------	---------

Pool .	Eurone		Fo	rmation_		luees		_County	ias			
Initia	al		Annua	1		Spec	ial	X	_Date of T	[e st	1-7 to 1-11-57	
Compai	ny <u>Cont</u>	inenta	<u> 3. 021</u>	Сопра	ny I	ease	Mayer	Bols	Well	L No	7	
Unit	<u>R</u> _Se	ec	_⊈ wp	<u>2</u>	1S Rge	361	<u>Purch</u>	aser	E. P. N.	G.		
Casin	R Se	t	<u> </u>	D4	892 _Set	at	510 Per	f. 33	36	ro	3510	
Tubin	g 2 1/2 Wt	t	6.5.	D. <u>2</u>	Set	at_3	698 Per	f	<u> </u>	Го		
Gas P	ay: From_	3336	То	3510	_L3	336 x	G <u>.670</u>		2235	Bar.Pre	ss	13.2
Produ	cing Thru:	Casi	ing	<u> </u>	Tub	oing	Sing	_Type We	ll <u>(j. (</u>	O. Dual G. or G	.O. Du	
Date	of Complet	ion:	12-31	-55	Packer	36	98	Reservo	ir Temp	90°		
						OBSERV	ED DATA					
Teste	d Through	(Prox	ery (c	Cholcen)	(Meter)				Type Tap	s r	lange	
		<u>ਜ</u>	low Da	ata			Tubing	Data	Casing D	ata 💮		
No	(Prover)	(Chap)	K.EX	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	D	
140.	Size	Si	ze	psig	h _w	°F•	psig	°F.	psig	³ F∙		Hr.
SI									946 205 ×	ļ		72
1.	4	1.		546					885 * 889	 		2L 2L
2.	<u></u>	1.		551 530	73.96 53.29				900			24
3. 4.	<u>_</u>	1.		547					917			21.
5.				1	<u> </u>				<u> </u>	<u> </u>	<u> </u>	
	Cooffici	ont			ressure	FLOW CAL	Temp.	Gravity	Compre	ss.	Rate o	f Flow
No.	Coefficient			*		Fac	Temp. Gravity actor Factor Ft Fg		Factor		Q-MCFPD	
	(24-Hour		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia	1	Ft _	F _g	Fpv		@ 15 ₀ C	psia
	13.99		231.			.987	7	.9653	1.000		3405	
2.	13.99		204,			.9850			1.0		2895 2393	
3.	13,99		170.			<u>,9332</u>		# #	1.081 3.079		1652	
1. 2. 3. 4. 5.	13.99		218.	32		. 97 7						
					PR	ESSURE	CALCUIATI	ons				
Gas I	iquid Hydro	carbon	Rati	.0		cf/bbl	•	Spec	ific Grav	ity Sepa	arator	Gas
Gravit	v of Liqui	id Hydr	ocarb	ons		deg	Spec	cific Gravity Flowing Fluid				
Fc	2.507		(1-e ^{-s} 2	.14.3		_	^г с	<u> </u>	c	724	
 -	P¥X		·			,	.2	<u>. </u>	-2 -2			
No.	Pt (psia)	Pt	F	_c Q	(F _c Q) ²		$F_cQ)^2$ 1- e^{-s})	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$		al. P _w	P _W P _C
1.	898°5	805	8 8,	3,23	67.73	3	9.7	316,5	103,6	90	3.5	94 *
2.	902.2	813.	9 7	1.26	52.7		7.5	821.7	98.7		6.3	<u>01.</u>
3.	913.2	833.		2.00	36.00		5.1	839.0 867.8	<u>81.1</u> 50.3		6.0	<u>0</u> 5 07
5.	930.2	865	الله الت	1.14	17.14	<u>-</u>	2.5	(16) # e 63				
	lute Potent	 	 ,	20. 200		MCFPT): n = \$					
COMP	ANY	Crar:	ntine	ental (Ml Compa	iny	,					
ADDR	ESS	9	ox 42	7. Hobb	s. New i	(extico						
	T and TITL		. D. E	loward,	Gas Tes	ster						
	ESSED_											
,UMF	ANY					RI	MARKS	······································				

^{*} Insufficient drawdown due to small orifice.

C: MMOCC-3 EWW HIJ BLA PTE EVB WOH ttach.

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_W). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- F_{g} Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.