MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Po	ol Red I	1114		Formation Pennsylvanian					County Lee			
InitialAnnual												
											1	
											as Company	
Casing -5/8 Wt. 28 I.D.5,666 Set al6,962 Perf.14,607 To 14,788												
Tubing2-7/8" Wt. 6.54 I.D.2.229 Set a13,797' Perf. 13,776' To 13,779'												
Gas Pay: Frob4,350' To15,530' L 13,777 xG .580 -GL 7991 Bar.Press13.2 ps												
Pro	oducing Th	ıru: Ca	sing_		T	ubing 2	-7/8"	Type V	Well Gas			
Producing Thru: Casing Tubing 2-7/8" Type Well Gas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 1-26-64 Packet3,730' & 13,734' Reservoir Temp. 194° F												
						OBSERV	VED DAT	А				
Tes	ted Throu	gh 📆	XXXXXX	theke)	(Meter)			Type Ta	ps Fla r	NGA	
Tested Through (Meter) Type Taps Flance Flow Data Tubing Data Casing Data										· · · · · · · · · · · · · · · · · · ·		
NI -	(Prove	r) (Ch	(Choke)		Diff	. Temp.	Pres	ss. Temp.	Press.	Temp.	Duration	
NO.	(Line Size) (Ori	lice) ize	psig	h _w	°F.	psi	g °F.	psig	∍ _F .	of Flow Hr.	
SI	6.065"	1.75	P 1				5794		1000	72	98	
1. 2.		1.75	" 6	33.9 4 92.3 1	9.0	76 82		84	800	72	15.5	
<u>3.</u>		3.50		92.3 3		80	3282 2818	108 110	1500 1680	72	24.5 24.5	
4. 5.	11	3.50		09.2 4		80	1885	106	1520	72	24.5	
No.	Coefficient		$\sqrt{h_{w}p_{f}}$		p si a	Fac F	Temp.	Gravity	Fact	ar I	Rate of Flow Q-MCFPD @ 15.025 psia	
	18.86 80.64	LB . 86		69	7.1	.9850		1.0171	1.050		3666.7	
	80.64				5.5 5.50	.9795 .9813		1.0171 1.0171	1.049		9849.1	
	80.64		151.40 185.45		2.4	.9813		1.0171	1.049		12.7 0 2.6 15.657.4	
as] rav:	Liquid Hyd ity of Lic 5.866	quid Hydı	rocarbo	ons -e-s)		cf/bbl.deg.		Spec Spec	ific Gravi	ty Flow	rator Gas 580 ing Fluid	
								-				
. oV	P _w Pt (psia				$(F_cQ)^2$	(1	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Cal P	, ,	
2.	4057.2	16,460.			59.1	194.6		6,655	2,934	4081	.924	
3.	3295.2 2831.2	10,858. 8,015.			99.8 68.7	1399.1 2361.1		2,257	7,332	3501	790	
<u>+•</u>	1898.2		2 91.5		87.4	3556.3		0,377 7,159	9,212 12,430	3221 2676	.728	
bsc COMI	PANY RESS IT and TIT		Th	Pure : 671 =	Midla	d, Texas	J					
IITN	ESSED	14Ü	X.	B. Ros	s - Pei	troleum I	inginee	T.				
	PANY											
						REMA	ARKS					

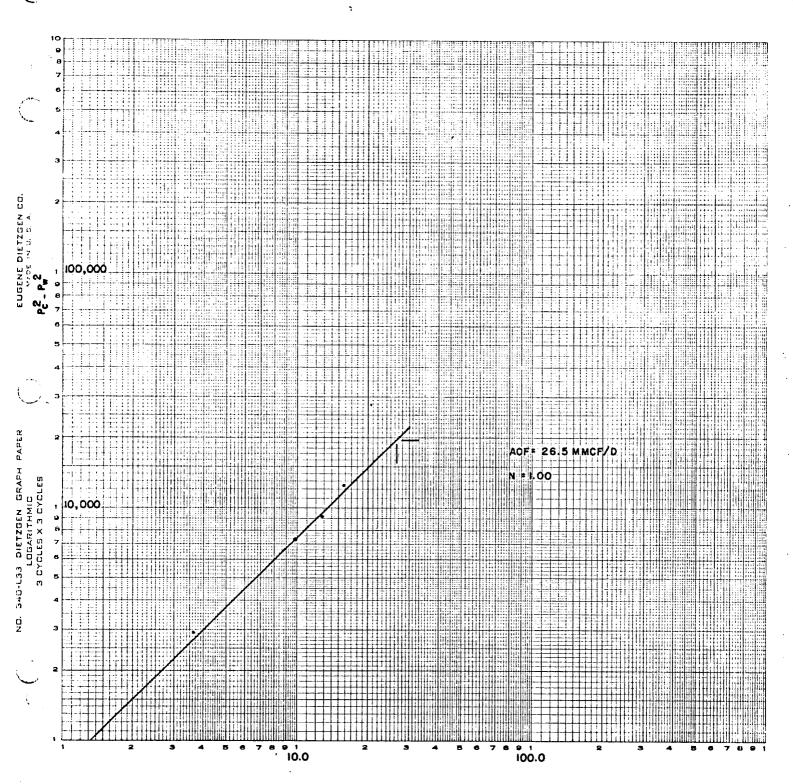
INSTRUCTIONS

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 60° F.
- P_c= 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
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft 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 $P_{\mathbf{t}}$.



FLOW RATE - MMSCF/D