Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	Devil	Devils Fork Formation Gal			Gal:	lup County Rie Arriba				
	tial									
	pany Redf									
	.									
	ing 51 W									.94
	ing 2-3/8 W									
Gas Pay: From 5470 To 5494 L xG 0.690 _GL Bar.Press.										
Producing Thru: Casing Tubing Tuping Type Well Single-Gas Single-Bradenhead-G. G. or G.O. Dual										
Date	e of Complet	ion:_ 8-23	-59	Packe:	r	Sin	gle-Brade Reservo	nhead-G. ir Temp	G. or C	i.O. Dual
	•					ED DATA				
		/ -		(2.2.)		DD DAIR				
Tested Through (Prover) (Choke) (Meter) Type Taps										
	/5		ata		m	Tubing	Data	Casing D	ata	Duration
No.	(Prover) (Line)	(Choke) (Orifice)	Press.	SR.				ĺ	!	l of Flow
i	Size		psig		°F.		°F.			Hr.
SI	- / 0	2.50	6.65	10	59	1503 1472		1565 1547		3 hrs
1. 2. 3. 4.	4"	*	6.7	2.2	45	1421		1519	 	3 hrs
3.	*	j p	6.79	3.2	42	1335		1487		3 hrs
4.	N	10	7.0	5.7 4.8	60 68	957 866		1380 1255		3 hrs 24 days
<u> </u>		L	102				<u> </u>		<u>L</u>	
	Coeffici					CULATION		Compre	99.	Rate of Flow
No.		ŀ		Meter	Fac	tor	ractor	Facto	ri	Rate of Flow Q-MCFPD
	(24-Hou	$r)$ $\sqrt{h_w}$								
1.	42.13		.0	442	1.001		.9325	1.057		873 1975
$\frac{2 \cdot 1}{3 \cdot 1}$	42.13 42.13		3.7	449 461	1.014		.9325 .9325	1.063		2928
1. 2. 3. 4.	42.13		3.3	490 520	1.000	0	.9325 .9325	1.062		5169
5.	42:13	10	7.3	520	0.992	4 0	.9325	1.062		4506
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Fc(1-e^-s) Pc 2486.9										
No.	P _w	Pt F	'cQ	(F _c Q) ²	(F (1	cQ) ² -e-s)	P _w 2	P _c -P _w ²	Ca H	Pw Pc
1. 2.	1559						2430.5 2344.0	56.4 142.9	+	
2 •	1531 1499						2247.0	239.9		
4.	1392						1937.7	549.2	1	
5.	1267		<u></u>		i	l_	1605.3	881.6		
COM!	olute Potent PANY RESS	Box 1747,	Midland,	Texas	MCFPD;					
	T and TITLE	Thomas A	Dugan,	Consul	ting Eng	zineer				
	NESSED PANY									
- 0.11	<u></u> -	·			REM	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 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_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
- P_t Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- $h_{\mbox{w}}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If $P_{\rm W}$ cannot be taken because of manner of completion or condition of well, then $P_{\rm W}$ must be calculated by adding the pressure drop due to friction within the flow string to $P_{\rm t}$.