Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Blanco Mesaverde Format						n Mesa	verde		County San Juan			
Ini	tial		Annu	al		Spec	ial	x	Date of	Test	pril 14, 1958	
Com	pany Black	ood &	Wicho:	ls Com	any	_Lease	brtheast	Blanco	Unit We]	ll No.j	evell les	
Unit I Sec. 24 Twp. 301 Rge. 87 Purchaser El Pase Matural Gas Company												
Casing 51" Wt. 15.54 I.D. 4.950" Set at 444: Perf. 4820: To 5360:												
	ing 2-3/8" W											
Gas Pay: From 4820' To 5360' L 5300' xG .655 -GL 3471 Bar. Press. 11.5												
Producing Thru: Casing Tubing Type Well Single Ges Recompletion Single-Bradenhead-G. G. or G.O. Dual Date of Type Well Single Ges												
Date of Reservoir Temp.												
						OBSERV	ED DATA					
Test	ted Through	(Pro	ver) (Choke)	(Meler)			Tyme Tar	18		
Tested Through (Prover) (Choke) (Met					7::000	Tubing Data			Type Taps			
\neg	(Prover)		(Choke)		Diff	Temp.	Press.		Casing Data Press. Temp.		Duration	
No.	(Line) Size		fice) ize	psig	h _w	o _F .	psig	o _F .	psig	⊃ _F .	of Flow Hr.	
SI				POIS	W	1.	821	I I	821	1.	111.	
1.		3/4					317	 	702	 	3 Fra.	
2.												
3.		; 		ļ	 -	<u> </u>		 		ļ		
<u>4.</u> 5.					 	ļ		 		 		
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$\overline{}$	Coeffici	ent		Pr	essure	FLOW CAL		Gravity	Compre	88.	Rate of Flow	
No.	1					- 1		Factor	1 -		Q-MCFPD	
	(24-Hour) \		¬√ h _w ṛ	h _w p _f psia		Ft		Fg	F _{pv}		@ 15.025 psia	
1.	12.3650				28.5	28.4					4062	
1. 2. 3. 4.									- 		1000	
3.												
4.												
5.1												
	Liquid Hydro				PF	RESSURE CA	ALCU'ATI	Speci			rator Gas	
ravity of Liquid Hydrocarbons deg. Specific Gravity Flowin												
c			(1	L-e ^{-S})				Pc	832.5	_Pc	693	
	$P_{\mathbf{w}}$					- 1		·		 		
No.	Pt (psia)	$P_{\mathbf{t}}^{2}$	Fc	Q	$(F_cQ)^2$	(F,	cQ) ² -e ^{-s})	P_{w}^{2}	$P_c^2 - P_w^2$	Ca	P _W	
1.	16 (psia)							509	184		P _C	
2.												
3.									ļ		_	
1. 2. 3. 4.												
	olute Potenti	ial:	10,9	 -		MCFPD.	n 0.7	5		<u> </u>		
COMP	ANY Blackwo	od &	Michel	s Comp	any	,						
	ESS Jox 12					a. Patrol	One inc	neer			· · · · · · · · · · · · · · · · · · ·	
AGENT and TITLE V. J. Linton, Potrolous Engineer WITNESSED												
COMPANY												
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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
- 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n I Slope of back pressure curve.

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