MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Tapasit	o-Piot	ared	Cliffe	Forma	tion_	Pletu	ed II	lffs		_County_	Rio Ar	riba		
Init	ial 🗶		A	nnual	·		Spec	ial	 -		_Date of	Test_	12-4-	58	
Compa	any PAN A	MIRIC	W E 1	POLLUM	CORP.	Le	ase_F	ed hi	llips	uC n	We	ll No	2		
Unit		_Sec.	15	_Twp2	5-N	Rge.	34	Pu	rchaseı	- F1	Paso Nat	Aural G	as Co	anany	
														12	
											ll Ges -				
Date	of Compl	etion	: 11-2	5-58	Pi	acker_	None	S:	ingle-F Res	3rade servo	nhead-G. ir Temp.	G. or	G.O.	Dual	
							OBSERVI								
Teste	ed Throug	h 200	50100	(Chok	re) ****						Type Tap	ns			
		·		v Data								Casing Data			
No.	(Line)		Choke) Pre	ss. D	iff.	Temp.		s. Te		Press.		1	Duration of Flow	
	Size		\mathtt{Size}		ig l	h w	°F.		g	F.	psig	[⊃] F•		Hr.	
1.	Shut in		3/4°	43	- -	60)(e st)	2033 505		est)	1033	50(es	3)	3 hours	
2 . 3•															
4. 5.															
-/ -				- + -	~	ri	OW CAT	יווד א יווי	ANS				_		
No.									emp. Gravity Compress. Rate of Flow						
NO.	(24-Hour		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia	psia		Ft		Factor F _g		Fpv		Q-MCFPD @ 15.025 psia	
1. 2.	12,365						1,000		0.9	1.9525		.054		5372	
3. 4.			1								1				
5.															
						PRES	SURE CA	ALCUI AT	rions						
	quid Hyd y of Liq						f/bbl.				fic Gravi				
	y 01 1.1q			(1-e	·s)		deg.				45	P _c 1			
							_								
No.	Pw		Pt ²	F_c^Q	(F.	_c Q) ²	(F	Q) ² -e-s)	Pv	w2	$P_c^2 - P_w^2$	C	al.	Pw Pc	
1.	Pt (psia)					(1.	-e ^{-s})	267,2	39	824,736		P _w _	Pc	
1. 2. 3.															
4.	·	-			1							+			
Abso]	ute Pone	ntial		660.7			MCFPD;	n	0.85				Tina.		
ADDRI	NY PAN	457,	Falls	ogton,	NOV NO	100								<u> </u>	
AGENT	and TIT	TE H	• N•	Stuar _a	Jrs, F	ple	ngines	7							
	NY						REM	ARKS							
				1776			T LLLIN'I	-1410						-5	
	er soon oo aasansad B														

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.
- F_t Flowing temperature correction factor.
- F_{nv} 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 $P_{\rm t}$.

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