MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool Bagin-Dakota					_Formation Dakota				County_	San J	u a d	
In	itial	X	Ann	ual		Spe	cial					
	npany Comp											
	it									_		
	sing 4 1/2						_			To_	107	
Tub	oin g 3/8"	Wt.4.	7#	T.D. 1.	995 s	et at 59	98			_ ^{TO}		
Pro	Pay: From	· C			—_		<u></u>			Bar.Pr	ess.	
D	ducing Thru	. Ca	ising_		T	ubi.ng <u> </u>	Sin	Type Wagle-Brad	ell enhead-G.	G. or	G.O. Dual	
Dat	e of Comple	tion:_	1-4)-61	Pack	er		Reserv	oir Temp.	1340		
Te s	ted Through	(Pro	wer) ((Choke)	(Notes		ED DATA		Type Tap)s		
	(Prover)	Flow D		ata			Tubing Data		Casing Data			
No.	(Line)	(Ori	fice)	1 .	į		Press.	Temp.	Press.	Temp.	Duration of Flow	
SI	Size	S	ize	psig	h _w	°F.	psig	°F.	p sig	°F.	Hr.	
1.		3/	4	230		60	2070	600	2062 810		3 Hr.	
1. 2. 3. 4. 5.									i.		J. W.	
4.									1	 		
<u> </u>				<u> </u>								
	Coeffici	ent	 			FLOW CAL						
No.			/		ressure Flow Factors Factors F.						Rate of Flow Q-MCFPD	
+	(24-Hour)		√ h _w p _f								@ 15.025 psia	
1. 2. 3.	12.365				242 1.00		2608		1.016		9019 6	
3. 4.											2918.6	
4. 5.												
as L	iquid Hydro	carbon	n Ratio)	PRI	ESSURE CA	LCUI ATI C		fic Gravit	v Sepa	rator Gas	
ravity of Liquid Hydrocarbons (1-e ⁻⁸)			ons L-e-s)	deg. Spec				fic Gravity Flowing Fluid Pc 4334.7				
			`					· c—	704	- C	334.7	
No.	P _w	Pt	Fc	Q	$(F_cQ)^2$	(F _C	Q) ² e-s)	P _w 2	P _c -P _w ²	Ca P	P _w	
2.								878.7	3650.0			
3. +•				F					3020			
5.										ļ ———		
bsol COMPA	ute Potenti	al:	3298	.0	 - ·	MCFPD;	n 6.7	5				
DDRE	SS		le	ration	, inc.	2Cole	<u> </u>					
	and TITLE	A.8	Joh	nion,	Potrol		incor				See or an artist of the second	
OMPA		Com	PASS.		ation.	Inc.				4PH		
		•				REMA	RKS				5 1961 M. CM.	
										DI.	57.3	

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 600 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
- P_t 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.
- 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_{+} .