MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised	12-1-55
TICATOO	

Poo	1 Undesig	nated		F	ormation	Dako	ota		_County_	San J	uan
Ini	tialX		_Annu	al		Spec	ial		_Date of '	Te st	6/27/60
	pany_South										
	t A S										
	ing 4½" W									To 59	
	ing 2 3/8 W										
	Pay: From_										
Da+	ducing Thru: e of Complet	ion		17/60	Packe	»	Sin	gle-Brade	nhead-G. (G. or G	.O. Dual
Dau	e or complet	1011		11700	racke			neser vo	TI Temp.		
m.	. 3 m) 1	/ Taras 10	~~~\	a \	/		ED DATA				
res	ted Through				(Mercent)				Type Tap:		
	(Prover)		low Dake)		Diff.	Temp.		Data Temp.	Casing Da		Duration
No.		(Orif	icé) ze	psig	1	$\circ_{\mathtt{F}_{ullet}}$	psig		psig		of Flow Hr.
SI	5120						1813		1813		7 - Days
1.		3/4	H	270		99	270		553		3 - Hrs.
2. 3.											
4.											
4. 5.											
					1	RT.OW CAT	CULATION	S			
	Coeffici	ent		Pi				Gravity	Compres	35.	Rate of Flow
No.	(a)	,				Fac	tor	Factor	Factor		Q-MCFPD
	(24-Hour) √ h _w		p _f							@ 15.025 psia	
1. 2. 3. 4.	12.3650				282	0.964	15	0.9463	1.0	27	3,268
3.											
4.											
<u> 5. l</u>											;
					PR	ESSURE CA	ALCU ATI	ons			
	Liquid Hydro					cf/bbl.					rator Gas
	ity of Liquid			ons 1-e ^{-s})		deg.					ing Fluid
· c			·(·	1-e - <u>/</u>				•	825	-	
								Pw	565	Pw	319.3
No.	P _w	$P_{\mathbf{t}}^2$	-	0	$(F_cQ)^2$	(F	0)2	P _w 2	$P_c^2 - P_w^2$	Ca	, _D
NO.	Pt (psia)	¹ t	1 .	c Q	(r.c.	(1)	cQ) ² -e-s)	'w [~]	C_I W	P	i Ma
I.								319.3	3011.3		.0958
1. 2. 3.					<u></u>					-	
4.1										 	
4. 5.											
Abso	olvte Potent	ial:	3,85	6		MCFPD;	n 0.7	5			
COM	PANY South	west	Prod	uction	Compa	ny	lactor.	Now Mo-	-1		
AGE	RESS 162 P NT and TITLE	X/X	5	JA/	DIO.	Geor	rge L.	New Me: Hoffman	Product	tion F	oreman
WITI	NESSED	γ- <u>-</u>			1						
COM	PANY	1 1 2 2 1 4 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1814.		ענים	ARKS				
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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 = Actual rate of flow at end of flow period at W. H. working pressure (Pw). 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
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P_f Meter pressure, psia.
- hw- Differential meter pressure, inches water.
- Fg Gravity correction factor.
- F_t 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_+ .

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