MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Fo	rm	C-122
Revised	12	-1-55

Poo]	Astec Fi	eta rec	CILE	FF	ormation	81	<u>oture</u>	e u	rx	County_	San	Juan		
Init	tial		Annu	al		S _I	pecial	·		Date of	Test_	Octob	er 9, 1956	
Comp	pany son	Limin	Union	See Ca		Lease	A.	لتاءطا	at	We	ell No		3	
Unit Sec. 22 Twp. 27% Rge. 10% Purchaser Southern Union Cas Company							PARTY							
Casi	ing 5 1/1	/t	5.5 I	.D. 44	950 Set	t at_	2014	Pe:	rf	950	То	000		
Tubing 1 1/4" Wt. 1.70 I.D.		.D. <u>1</u>	Set	t at_	1915 Perf		rf	723	To_		94.5			
Gas Pay: From 1950 To 2000 L xG 0.67 -GL Bar.Press. 12.0														
Prod	lucing Tḥru:	Ca	sing	x	Tul	oing_			Type	Well 310	le gas			
Date	e of Complet	ion:_	Sept	. 28, 1	19 56 acker	r		Sin	gle-Bra Reser	denhead-G. voir Temp.	G. or	G.O.	Dual	
							ERVED							
Test	ed Through	(P \$ 8)	(334 (Choke)	(Mass #4					Туре Та	ps			
			Flow D				T	ubing	Data	Casing		T -		
No.	(Prover) (Line)	(Cho	oke)	Press	Diff.	Temp				. Press.		1	Duration of Flow	
	Size	S	ize	psig	h _w	°F.			°F.		°F∙		Hr.	
SI		-	A	46		61		රිපිට 1 , 5		600	67	<u> </u>	3 hours	
1.		3.	74	4403	 	07		(10)		49	97	+	3 naura	
3.														
4. 5.							 -				 	+		
					<u> </u>				L					
	Coeffici	ent		ъ,			ALCUL			y Compr	966	Rate	of Flow	
No.						F	actor		Facto	r Fact				
	(24-Hour) $\sqrt{h_{W}}$		$\sqrt{h_{\mathbf{w}}}$	Pf	psia		$F_{\mathbf{t}}$		$\mathbf{F}_{\mathbf{g}}$	Fpv	Fpv			
1.	12.3650	12.3650			58	0./990			0.9463	1.0	1.004		687	
1. 2. 3. 4.														
2 4.		··												
5.														
					PRE	SSURF	CALC	Π. Α.Τ.Τ.	ONS					
								0.411						
	iquid Hydro ty of Liqui					cf/bb de	01.			cific Grav cific Grav				
Fc	oy or hiqui	u nyun	(1-e ^{-s})			5.		Pc_	692	P2	78.8		
<u> </u>					-				7	58	PJ	3.36		
No.	$P_{\mathbf{W}}$	Ρ	2	0	$(F_cQ)^2$		(F 0)	2	р 2	P _C -P _w		al.	Þ	
NO.	Pt (psia)	rt	, ,	cQ	(r _C w)		(F _c Q) (1-e ⁻⁵	₃)	$P_{\mathbf{w}}^2$	1 c w		Pw	P w Pc	
1. 2.									3.25	475-			C.084	
3.														
4.												Ξİ		
5.														
	lute Potent	ial:_	<u>68</u>		** *		D; n_		0.85					
COMP ADDR				outles:	· Caton C	-	mby like							
AGENT and TITLE Gilbert Molecular. Jr. Nagineer														
WITNESSED COMPANY														
JOIN						R	EMARK	S						
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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 T Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- Pc= 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
- P_{f} Meter pressure, psia.
- hw Differential meter pressure, inches water.
- FgI Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{nv} Supercompressability factor.
- n I Slope of back pressure curve.

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

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