MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	l _Tapacito	Pictured C	<u>liffs</u> Fo	ormation	·	Pictured	Cliff	_County_	Ric	Arriba
Ini	tial	Annı	ual		Spec	ial		_Date of	Test	Sept. 6, 1961
Com	panySout	hern Union	Product	ion Co.	Lease	McCro	oden	We]	1 No	2 - A
Unit	t <u> </u>	Sec 9 Tv	rp - <u>25</u>	N Rg	e. <u>3W</u>	Purcl	haser <u>So</u>	uthern Un	ion Gas	Co.
Cas	ing lim I	Wt. 9.50#]	.D. 4.	<u>090 </u> Se	t at <u>38</u>	<u>15</u> Per	rf <u>37</u>	<u> </u>	To3	17ابار
Tub	ing 13m	Wt. 2.90#]	.D. 1.	6 10 Se	t at	3639 Per	rf. <u>3</u>	6 3 5	To	39
										ess. <u>12.0</u>
Prod	ducing Thru:	: Casing_		Tu	bing	X Sing	Type We	ll Sin	<u>cle-Gas</u> G. or (G.O. Dual
Dase	or complet	tion: <u>Augus</u>	t 20, 1	95 Packe			neservo	oir Temp.		
Test	ced Through	(Prever) (Choke)	(Neter)		ED DATA		Type Tap) E	
	(Prover)	Flow D		Diff	Town	Tubing		Casing D		D
No.	(Line) Size	(Orifice) Size			Temp.		Temp.	Press.	Temp.	Duration of Flow Hr.
SI 1.		3/h"	237		جار ہ	71.7 237		71.7		9 days
1. 2. 3.		ļ						733		3 hours
4. 5.									 	
			+		FLOW CAL	CULATIONS			1	
No.	Coeffici (24-Hou		Pressure		Temp.	Gravity Comp Factor Fac Fg F		r	Rate of Flow Q-MCFPD @ 15.025 psia	
1. 2.	12.3650		249		1.0058		0.91.63			
3,										
4. 5.										
		carbon Rati d Hydrocarb		PRI	cf/bbl.	ALCU'ATIC	Speci			rator Gas
_			ons 1-e ^{-s})		deg.		Pc		_Pc2	ring Fluid
	- D		·				P	745	P2	555
No.	P _w Pt (psia)	Pt F	cQ.	(F _c Q) ²	(F ₀	₂ Q) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	Ca P	P _w P _c
1. 2. 3. 4. 5.										
4.									ļ. <u>-</u>	
	lute Porent	ial:5			MCEPD.					
ADDR	ANYSou	therm Union	Product Farmin	tion Con	pany lew Mexic	n0.				
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								SEP1 5 1	961	

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 \equiv Actual rate of flow at end of flow period at W. H. working pressure (P_W). 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
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- $F_t = Flowing temperature correction factor.$
- F_{pv} 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 $P_{\mathbf{t}}$.