MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo	l Blanco	Pictu	red_Cl	iffe	Formatio	onPic	tured C	liffe	County_	San Jus	.p	
Ini	tialx		Annu	al		Spe	cial		Date of	Test	Sept. 8, 1956	
Com	pany Weste	rn Na	tural (Ges C	omoa ny	_Lease	Gral	a.m.	We	ll No	2	
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	ing 1 "											
											ess. 12	
Date	ducing Thru	tion:		20	nore Pack	cer	S	ingle-Brade	enhead-G.	G. or	G.O. Dual	
Date	s Of Complete		Aug.	_30,_	TAPP. ac.		ED DAT		omp.	95		
Test	ted Through	(Paran	vez)x((Choke) (Meter		ED DAI	A	Type Tar	os		
			Flow Da					ng Data	Casing I		I	
No.	(Prover) (Line)		oke) fice)	Pres	s. Diff	Temp.	Pres	s. Temp.	Press.		Duration of Flow	
SI	Size	S	ize	psi	g h _w	°F.	psi			°F∙	Hr.	
1.		3,	/4				245		835 239	66	S.I. 9 days	
2 . 3.		 		-		_	<u> </u>			-		
4. 5.		ļ										
<u> </u>		<u> </u>				TI OU CAT		ONG			<u> </u>	
No.		efficient 24-Hour) $\sqrt{h_{W}}$		Pressure		Factor		Gravity Factor			Q-MCFPD	
1.	14.1605		V TW	251					0.9535 1.033		· · ·	
2. 3.												
4. 5.												
~ <u>*</u>			L			PRESSURE (A COTTE A	TTONS				
	iquid Hydro		rocarbo			cf/bbldeg.		Speci			erator Gasving Fluid	
No.	P _w	Ρ	E F		(F _c Q)) ² (F	(cQ) ² -e-s)	P _w 2	$P_c^2 - P_w^2$	1	Pw Pc	
1.								66.0	651.4		0.303	
3. 4.	433 200		: :	41								
5.	April/Alex Sector											
COMF ADDE	ESS Farmi	n-Mont	New M	er (I)	MCFPD; Contract	or)	0.85				
		775	SOM		KI	-					72.75	
	PANY WESTER	RN NAT	URAL G	AS CO	MPANY_8	23 11 d) a	id kove IARKS	r, Midlard	Texas		110	
										9/2	C- O ₂	
						* ***				1		

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 \subseteq 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
- 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.
- 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_t .

CIL CONSERVA	TION COMMISSION
AZTEC DIS	TRICT OFFICE
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