MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

								FOR GAS			evised	rm C-122 12-1-55	
ool	Besin			For	mation_	Delsot	<u> </u>		County	San J	han		
.:+:	al Y		Annua]	Ĺ	•	Speci	al		Date of T	est_ 7-	50-64	<u> </u>	
	any TEXACO	Inc.	•		L	ease Fe	deral S	t. Unit	#2 Well	No			
ombe	N Se	39	Twn	30-1	Rge	. 1	1-WPurch	aser	-	•			
nit	ng 43" Wt	<u>سور</u>	т 1	4.	oo set	at. 67	74 Per	f. 6566		Го	5668		
asir	ng <u>47 </u>	. <u> </u>		n 1 0	G Set	at 67	25 Per	f. op	en end	Го			
ubi	ng 2-3/8 Wt	· <u> </u>	<u>• {</u> l • .	u• <u>••7</u> eeeg	<u> </u>	36	690	-GI.		Bar.Pres	85•		
rod	Pay: From_{ucing Thru: of Complet:	Cas	ing		Tub	ing	Cán.	Type Well	ll sin	G. or G	O. Du	al	
206	OI COMPICO.						ED DATA						
'e s t	ed Through	(Proces	<u> </u>	hoke)			l		Type Tap	s			
		F	low Da	ta			Tubing		Casing I			uration	
10.	(Prover) (Line)	(Cho	1		, <u>,</u>			Temp.	psig	o _F .		of Flow Hr.	
	Size		Size		h _w	°F.	ps1g		1980			8 days	
JI.		.7!	50	292		880	292		725	Ī		hrs.	
2. 3.													
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<u>, </u>		<u> </u>		ļ -	<u>.l</u>	TRE ON CAS	LCULATION	ıs					
	Coefficient				ressure	Flow Temp.		Gravity		Compress. Factor		Rate of Flow Q-MCFPD	
No.	(24-Ho)	\			psia		ctor	Factor F _g	_	Fpv		@ 15.025 psia	
1.	12.365		/ V **WF		304	.9741		.9325	1.	1.018		3474	
2.													
1. 2. 3. 4.													
<u>5•</u>			<u> </u>		ים	RESSURE	CALCULAT	IONS					
								Snec	ific Grav	rity Sep	arato	Gas	
					deg.		Considir Gra		rity Flowing FluidPc				
c				(1-e ⁻⁸))		-	rc—	1992	^ C	3450		
	T P						5		P _c -P	2 ,	Cal.	P	
No	P _w Pt (psia)		$P_{\mathbf{t}}^2$		F _c Q (F _c Q)		$(F_cQ)^2$ $(1-e^{-s})$	P _w 2	P _c -P	W	Pw	P _W P _C	
1.	10 (bota)							3.42	24.895				
2. 3.		1						543,169			<u> </u>		
4.					 								
5.	·						D; n						

 $(\mathbf{F_cQ})^2$ $(F_cQ)^2$ P_{t}^{2} $F_{c}Q$ No. (1-e-8) Pt (psia) 543,169 MCFPD; n_.75 Absolute Potential: 3.880 COMPANY_ ADDRESS AUDRESS
AGENT and TITLE Acting District Superintende WI:TNESSED_ COMPANY_ REMARKS JUL 24 1964 OIL CON. COM. DIST. 3

 $(1.159)^{.75} = 1.117$

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 (P_W). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- F_{g} Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n _ Slope of back pressure curve.

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