MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	Otero Cha	CITA		Fo	rmation	Chaci	ra		_County_	Hio Ari	109		
	ial												
Comp	oany <u>(an Ans</u>)	riesn	etrol	eum Co	r.	Lease_J1	carilla	Contract	178 Ae	1 No	14		
Unit	: <u>C</u> S	ec. 1	5_Twp	_ 25組	Rg	e <u>\$</u>	Purc	haser					
	ing 4-1/2" W										8-4110		
Tubi	ing 2-3/8" W	t. <u>4.</u>	<u>7_</u> I.	D. 1.9	95 Se	t at 41	Ct. Pe	rf. open	ended	_To			
	Pay: From_												
	ducing Thru:												
nat e	e of Complet:	ion: 7	_26_61		Packe	r lon	Sir.	gle-Brade Reservo	nhead-G. ir Temp.	G. or (.O. Dual		
Dave	or compress.	1011. <u> </u>		<u> </u>			ED DATA						
					*******		ED DAIR		Trans To				
Tested Through (Chok					(Meser)				Type Taps				
	(Frover)		low Da ke)		Diff.	Temp.		Data Temp.	Casing Press.		I	ation	
No.		(Orif	ice)		h _w			o _F ,	psig	o _F .	1	Flow r.	
ST	Shad-in	63 de	3.8		**W	1 •	905		905	1			
1.	2 Luch	3/4 1	noh	136		6C est	1.58	50 est	381	50 6st	3 h	re.	
2. 3. 4.													
4. 5.								<u> </u>					
						FLOW CAL	CULATIO!	NS					
,,,	Coefficient			Pr		Flow Temp. Factor		Gravity	Factor		Rate of Flow Q-MCFPD		
No.	(24-Hour) $\sqrt{}$			w ^p f psia		Ft		Fg	Fpv		● 15.025 psia		
1. 2.	12.365				148	1.60	0	C.9258	1.017		1393		
3. 4.													
4. 5.													
					PF	RESSURE C	alcui at :	IONS					
as 1	Liquid Hydro	carbon	Ratio			cf/bbl.		Speci	fic Grav	ity Sep	arator Ga wing Flui	s	
rav:	ity of Liqui	a Hyar	ocarbo	ons L-e ^{-s}		deg.		Pc	917	P _C 8	,C,689		
•	-								····				
No.	$P_{\mathbf{W}}$	P _t	F	Q	(F _c Q) ²	2 (F	(cQ) ² -e-s)	P _w 2	P _c -P _w	; С	al. P	<u>ж</u>	
	Pt (psia)		<u> </u>			(1	e ^{-s})	154,449	686 ,440	_	P _w P	<u>c</u>	
1. 2.													
3.													
4. 5.			_										
<i>,</i> , , ,	olute Potent	ial:	1/	21		MCFPD;	n_ C.	75					
ADD	PANY Pan Ame RESS Hax 480	. Fall	iln: voi	a Pow									
AGE	NT and TITLE	F. M.	Haus	, Jr.	3	mior et	TOTOL	Merines.	Kusts	and	¥	<u> </u>	
	NESSED IPANY					··· , ·· <u>- , -</u> ·· 					لفد شا		
COM	TART.					REA	1ARKS						

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 60° F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- PwI 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.
- Ft Flowing temperature correction factor.
- \mathbf{F}_{DV} Supercompressability factor.
- n _ 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 $P_{\mathbf{t}}$.