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

Poo	1 Blanco	Formation The tured Cliffs					County See Ann				
Ini	tial X		_Annual_	·		Spec	ial	and the same of th	_Date of	Test_	ranber 29, 1961
Com	pany Pan Am	- Lana	otrolog	Corp.	I	lease	Lidott G	e Units "	We]	Ll No	1
Unit Sec. 33 Twp. 368 Rge. 98 Purchaser 11 Page Meteral Gas Company											
Cas	ing 6-1/7	Wt	.5 I.D.	4-052	Set	at_	135 Pe	rf. 234	3	To	2349
Tub	ing LIA	Wt	I.D.	1,360	Set	at	25 Pe	rf.	**	To	
Gas Pay: From 233 To 2349 L 2346 xG .65 cat -GL 1535 Bar. Press. 22											
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual											
Date	e of Comple	tion:	11-21-	61 Pa	 acker	- Attitude	Sin	gle-Brade Reservo	nhead-G. ir Temp.	G. or	3.0. Dual
	-	 -					ED DATA		• •		
Test	ted Through		等)(Chol			0252111			Туре Тар	ne.	
			low Data			 1	Tubing	Doto	Casing I		Ţ
	(Trover)	(Chol	(e) Pro	ss. D	iff.	Temp.		Temp.	Press.		
No.	(Line) Size	(orm		sig l	w	°F.	psig	°F.	psig	o _F .	of Flow Hr.
SI	B Lays	3/4"	33				23		%3 342	60°000	3 Ryas
1. 2.											
3. 4.		 								 	
5.		 								 	
No.	Coeffic (24-Ho	ur) ¬			re ire	Flow Temp. Factor Ft		Gravity	Facto	r	Rate of Flow Q-MCFPD @ 15.025 psia
1. 2.											
3. 4.											
5.											
PRESSURE CALCULATIONS Gas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid P_C											
No.	Pt (psia)	Pt ²	F _c Q	(F _c	Q) ²	(F.	$\left(\frac{Q}{e^{-S}}\right)^2$	P _w 2	$P_c^2 - P_w^2$		Pw Pc
1.	· (PSIG)	 	+			- - \ - \ -	<u> </u>	2,129	773,700	+	w Pc
1. 2. 3. 4. 5.											
3.				_						 	
5.										<u> </u>	
COMF ADDR AGEN WITN		ASS Pur	Apte Potential Malaghan Numery	Mone Mi	erekă mileo lenda	MCFPD;	n Cal	larer k	Tui fa	EW	
John						REM/	ARKS		OII	C8 T CON. DIST.	

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 ($P_{\rm W}$). MCF/da. @ 15.025 psia and 60° 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.
- $h_{\mathbf{w}}$ Differential meter pressure, inches water.
- F_g : Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} 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 $P_{\mathbf{t}}$.