MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

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Ini	tial	Anr	nual		Spec	ial		_Date of	Test_	ey 16, 1968	
Com	pany cuth	ma Jalon	rod. So.	<u> </u>	Lease	Pedago	1	We]	1 No	1-31	
Uni	ts	Sec	lwp. <u>X</u>	Re Re	ge11_	Purc	haser	organi.	anton ()	as Co.	
Cas	ing 5-1/2 W	t. <u>15.5</u>	I.D.	990 Se	t at 5	Pe	rf. N 87		To	71,0	
Tub	ing 1-1/2 W	t. 2.75	I.D. 1.6	10 Se	t at 🔀	Pe:	rf. 3671	<u>. </u>	To3	OL	
Gas Pay: From 3727 To 3760 L 3766 xG 700 -GL 2635 Bar.Press. 12.0											
Producing Thru: CasingTubingType Well											
Producing Thru: Casing Tubing Type Well Single-Bradenhead-G. G. or G.O. Dual Packer Reservoir Temp.											
						ED DATA		_			
Test	ed Through	(PSO r)	(Choke)	(Motor)				Туре Тарѕ			
Flow Data (Prover) (Choke) Pre				Tı			Data	Casing D	Data		
No.	(Line)	(Orifice)	Press.	Diff.	Temp.	Press.					
SI	Size	Size	psig	h _w	°F.	psig 12h	F.	psig	op.	Hr.	
1. 2.	2	3/2	7600		60		W		699) ire.	
3.							1.	/			
4. 5.											
			- ·]	FLOW CAL	CULATIONS	 3	:			
No.	Coefficient (24-Hour) $\sqrt{h_{W}p}$			essure	Flow '	Temp.	Gravity	Compress. Factor Fpv		Rate of Flow Q-MCFPD @ 15.025 psia	
1.	12.3000		718		. 7 7 23		·/EST		13091 928		
1. 2. 3. 4.											
4. 5.			:								
PRESSURE CALCULATIONS Sas Liquid Hydrocarbon Ratiocf/bbl. Specific Gravity Separator Gas Fravity of Liquid Hydrocarbonsdeg. Specific Gravity Flowing Fluid C(1-e^{-8})											
No.	P _w	P _t ²	F _c Q	$(F_cQ)^2$	(F ₀	Q) ² -e ^{-s})	P _w 2	P _c -P _w ²		l. Pw	
1. 2. 3.							1914	1000,5	1		
3.											
5.					- 						
Abso COMP	ESS	3m 335,			MCFPD;	n	Orto	Ted R.			
ADDRESS AGENT and TITLE WITNESSED WITNESSED											
COMP	ANY_		TOUGH			7/16		/cr	ETTE		
	-				REMA	ikks		1811	118 19	962 COM.)	

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. 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.
- h. Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\rm t}$.