MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poc	l Manas-M	ctured	Cliff	F	ormation	Plotus	ed Class	to	County	Sen J	
Ini	tial 🙎		Annu	el		Spec	ial		Date of	Test	12-29-58
Con	npany PAN AM	eric an	PETRO	Leum c	ORP,	Lease 🕷	. D. Hee	th "A"	We	ll No	7
Unit Sec. 1 Twp. 201 Rge. W. Purchaser El Paso Estural Gas Company											
Casing 1.46 Wt. 2.3 I.D. 1.00 Set at 2240 Perf. 2151 To 2151 Tubing 1.46 Wt. 2.3 I.D. 1.14 Set at 2250 Perf. 2177 To 2150											
Gas Pay: From 2151 To 2861 L 2551 xG 0.69(cot.)GL 1466 Bar.Press. 12											
Producing Thru: Casing Tubing Type Well Ges - single Single-Bradenhead-G. G. or G.O. Dual											
Single-Bradenhead-G. G. Date of Completion: Packer Reservoir Temp.								G. or	G.O. Dual		
	, , , , , , , , , , , , , , , , , , ,						ED DATA				
Tee	ted Through	-	annair (c	Thoke)			DD DRIK		Фтто Фаг		
			Flow Da			•	m. 1. 2	D-1-	Type Tap		
N-	(Trime)	(Cho	oke)	Press	Diff.	Temp.	Tubing Press.	Temp.	Casing I	Temp.	
No.	Size		ize		h _w	°F.	psig	o _F .	psig	[⊃] F•	of Flow Hr.
SI l.	Shut in 10 20	days		14		(O(ask)	997	60(och)	777	(Oct	
2. 3.											
4. 5.		<u> </u>								<u> </u>	
5.										$I_{}$	
FLOW CALCULATIONS											
No.	Coefficient				Fact		Temp. Gravity Comp tor Factor Fac				
	(24-Hou	ır)	√ h _w r	f	psia	F	t l	Fg	1		@ 15.025 psia
1. 2.	12,365				136	1,00	9	0,750	1,00		1972
3。				-							
4. 5.	·							· 			
						ACCUME A		016			
					PRE	ESSURE CA	ALCU ATI	ONS			
	Liquid Hydro					cf/bbl.					rator Gas
Gravity of Liquid Hydrocarbons deg. Specific Pc (1-e-s)							iic Gravi	Gravity Flowing Fluid P ² 1.005.000			
·			`					C 			
	$P_{\mathbf{W}}$	2	,	$\overline{}$	2		.2		2 2	T	
No.	Pt (psia)	Pt	Fc	Q	$(F_cQ)^2$	(F ₀	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	$\frac{P_{\mathbf{w}}}{P_{\mathbf{c}}}$
1.	- C (Pota)					\		22,769	1,009,31	19	W
2. 3.											
4.	:									 	
5.										10	FILE
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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 I Actual rate of flow at end of flow period at W. H. working pressure ($P_{\rm W}$). MCF/da. @ 15.025 psia and 600 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.
- F_{g} : Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{t}}$.

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