Form C-122

MULTI-POINT BACK PRUSSUPE TEST FOR GAS WELLS

Revised 12-1-55

Pool	Sumont			Formation	Alsen			County	168		
Initial X Annual				······	Spec	ial		Date of	Test	8-21:-56	
	iny Gulf										
	M										
	ıg 5 3" N										
	g 2-3/8" N										
	ay: From_										
rodu	cing Thru:	Casin	g	Tul	oing	Sin	Type We	ell enhead-G. (an or	G.O. Dual	
ate	of Complet	ion:	5-1-56	Packer	3770		_Reserve	oir Temp			
					OBSERV	ED DATA					
este	d Through	(Trover) (Choke) (Meter)				Туре Тар	S_Pip	8	
			w Data			Tubing		Casing Da			
	(Prover) (Line)	(Choke		s. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flo	
	Size		psi	g h _w	$\circ_{\mathrm{F}_{ullet}}$	psig	$\circ_{\mathtt{F}}$.	psig	[⊃] F•	Hr.	
		 		- ' 				963.0	<u> </u>	72-2/2	
	4	1.5	1 2 7		101 56	·-·		912-5 805-6		23-3/4	
-	- 	1.5			60			711-7		23-3/4	
-	- h	1.5	1		59			756.9		2h-1/h	
				The state of the s		CULATIONS					
) .	Coeffici	ent	Pressur		ure Flow Temp.					Rate of Flow	
	(24-Hour)		hupe	psia	raci Fi	Lor	Factor F_			Q-MCFPD @ 15.025 pei	
+	15.26		15-74	<u> 464.9</u>	-0.96	27 0.91.27		rp\035		@ 15.025 psi	
	15.26 15.26		3.70 6.20	1.71.1 1.00 1.72.9 1.00				1.049		1571 2202	
	15.26		16.20	473.6	1_001		0.91.27			1757	
+				7,244			- 			-,,,	
				PRE	SSURE CA	ALCULATIO	ns	NS - 5 COS - 1	.38% .45%		
Li	quid Hydro	carbon Ra	atio		cf/bbl.					arator Gas	
wity of Liquid Hydrocarbons (1-e-s)				· · · · · · · · · · · · · · · · · · ·	O.150 deg. Spec				ific Cravity Flowing FluidPc		
			(1-e -	<u>/</u>			Pc		- ^P c̃	·	
Ţ	w	_2		(- : : 2	T ,	2		2 2			
•	Pt (psia)	$P_{\mathbf{t}}^{2}$	$F_c^{\mathbf{Q}}$	$(F_cQ)^2$	(F)	$(Q)^2$	P_w^2	$P_c^2 - P_w^2$	1	1. P _W P	
+	72701	856.9	1.189	2,424		512)	857-1	135.3		\$.8 .9 3	
T-	318.8	670 als	2.847	16.000		216	CO2 -0	320.8		9.5 .82	
+	721.9	\$83.8	3.104	16,110	1	386 512	585.3	18:1	16	5.6 .73	
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			,200	 	MCFPD;	n •	90		1		
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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 = 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.
- PwI Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tabing, tubing if flowing thru casing.) psia
- Pt Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) ps.a
- Pf Meter pressure, psia.
- hwI Differential meter pressure, inches water.
- Fg Gravity correction factor
- Ft Flowing temperature correction factor.
- Fow I Supercompressability factor
- n I Slope of back pressure carve.
- 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 $P_{\mathbf{v}}$.