Form C-122 Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool	Hlanco			_Formation	Mesaver	de		_County_	RLO Ar	riba	
Init	nitial X Annual Special							_Date of	Test_O	ct. 24, 1956	
omp	any South	ern Union	Gas Co	copeny	Lease8	ian Juan	Umit 29-	? Wel	ll No	50	
Jnit	G S	Sec 21	Twp2	9n Rg	e. <u>7</u> ₩	Purc	haser_K1	Paso Nat	ural Ga	s Company	
asi.	ng 2,5/8	26.14 Vt. 15.5	_I.D	1.950 Se	t at <u>354</u>	750 5587 Pe	rf. <u>528</u>	2	To <u>58</u>	e Company 08	
ubi	ng 2 3/6 V	Vt. <u>1.7</u>	_I.D	2 Se	t at_ 56	Pe	rf. 5621		To 56	<u> </u>	
as :	Pay: From	5982 To	5808	L	x	G 0.67			Bar.Pre	ess. 12.0	
rod	ucing Thru	: Casing		Tu	bing		Type We	ll Sing	le - Ga	£	
ate	of Complet	ion: Ser	st. 30.	1956Packe	r	Sin	gle-Brade Reservo	nhead-G. ir Temp.	G. or (G.O. Dual	
	_					ED DATA	·	_			
est.	ed Through	(Prover)	(Choke	e) (Meter)				Type Tap	าร		
		Flow				Tubing	Data	Casing I			
,	(Prover)		Pres	ss. Diff.	Temp.			Press.		Duration of Flow	
	Size	Size	ps	ig h _w	°F•	psig	° _F .	psig	°F∙	Hr.	
		3/4	1.3	1	6309	1057	63 0 F	1068 906		3 hrs.	
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Т	Coeffici	ent	Pressure								
٠.	(24-Hour) √h		h _w p _f	psia	Factor Ft		Factor F _g			@ 15.025 psia	
	11,1605			1,23	0.9971		0.9463		18	59 2i .	
土											
				PR	ESSURE C	ALCULATI	ons				
	iquid Hydro				cf/bbl.					rator Gas ving Fluid	
	ty of Liqui	-	roons _(1-e ^{-§}	3)	deg.		Pc_10	280	$P_{\mathbf{c}}^2$	166 ₀);	
_		· · · · · · · · · · · · · · · · · · ·	. -				Pw_S	718	P2	142.7	
>• 	$P_{\mathbf{w}}$	Pt ²	F _c Q	$(F_cQ)^2$	(F	cQ) ² -e ^{-s})	P_w^2	$P_c^2 - P_w^2$	Ca	Pw Pc	
╁-	Pt (psia)				(1	-e ^{-s})	812.7	323.7	- I	P _c P _c	
+											
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MP		thern Dd		Company	,						
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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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_w 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.
- F_t Flowing temperature correction factor.
- F_{pv} Supercompressability factor.
- n I Slope of back pressure curve.

Note: If P_{W} cannot be taken because of manner of completion or condition of well, then P_{W} must be calculated by adding the pressure drop due to friction within the flow string to P_{+} .

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