NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

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

Poo]	Blanco			Formation	Mess	Verde		_County_R	io Arr	iba	
Init	ial	X A	nnual		Spec	cial		_Date of T	est_6	/5/57	
Comp	oany Pacific	Northwe	et Pipel	ine Corp.	Lease	27-	-5	Well	No	22-1	
Unit	. L S	ec. <u>1</u>	Twp. 2	Rge Rge	∍. <u>5₩</u>	Purc	haser Not	Connecte	<u>d</u>		
Casi	T 5/8 ing 5 4 W	't	I.D	Set	t at 67	20 00 Pe:	rf. 6600	T	o60	74	
	ing 2 3/8 W										
	Pay: From_		,	-							
Date	e of Complet	ion:		Packer	Tubing Type Well Single-Bradenhead-G. Packer No Reservoir Temp.				or G	.O. Dual	
						ED DATA			=		
Test	ed Through	(December	\ (Choke) (25-1)				Time Tane			
1030			w Data			Tubing		Casing Da			
		(Choke) Pres	s. Diff.	Temp.			Press.			
No.	(Line) Size	(Orifice Size	7 }	g h _w	o _F .	psig	o _F .	psig	°F∙	of Flow Hr.	
SI l.		3/4	320		78	703	78	1125 862		3	
2.		¥7				320	10	COE			
3. 4.		 				<u> </u>					
5.											
				F	TOW CAT	CULATIONS	S				
No.		Coefficient (24-Hour) √ h _w p _f			Flow Fac	Temp.	Gravity Factor	Compress. Factor			
1.	14.1605	-	WP.I.	332	.083		F _g	1.620		4560	
2 . 3.											
4.											
	iquid Hydro			•	cf/bbl.		Speci			rator Gas	
			(1-e ⁻⁸	Σ	ueg•	-	P _c _11	37	Pc. 12	2.8	
No.	P _w Pt (psia)	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(F (1	(cQ) ² (-e ^{-s})	874 P _w 2	$P_c^2 - P_w^2$		w Fc	
1. 2.	<u></u>			1 .			63.9	528.9		2.44	
3.											
4. 5.				 	- 				 		
Absc COMF ADDR	PANY Paint ESS	e North			eration	n 75/1	.9522		10	ATHA	
WITN	ESSED				N. T.				1		
					REM	MARKS			OIL	CON. COM. DIST. 3	

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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- P_c = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater, psia
- PwT 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_{DV} Supercompressability factor.
- n I 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 $P_{\rm t}$.

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