NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	l Undesignated			'ormation	Qu	Queen Gas		County_	Che	Chaves	
Initial x Annual											
	any Shell										
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	ng 326 W										
	ngw										
								100		ess. 1202	
	ucing Thru:										
	of Complet					211	KT6-DL906	enneau-tra	LTA OT 4	9404 DDAI⊗4	
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Test	ed Through	(Proven)	(Oboleo)	(Moton)		DD DRIK		Дет с Дон		1 mgaretell der lar	
				(Medel)		<u> </u>		Type Tap	os	lança	
$\overline{}$	Description	Flow (Choke)		Diff	Temp	Tubing	Data	Casing I	ata	Dunation	
No.		(Onifico	7 1	h _w		psig	ŀ	psig		of Flow	
SI	D126	DIZE	berg	IIW	Г•		r.		F.		
1.	_ 4	1,500	44	9.0	60	578 402		588 509	 	72	
2.	4	1.500	50	24.0	60	363		453	<u> </u>	3	
3.	4	1.500	50	0.04	60	303		377		3	
4. 5.	4	1.500	50	64.0	60	238		290	 	3	
<u> </u>		1,500	50	20.0	60	368	L	454	<u> </u>	24	
				I	LOW CAL	CULATION	S				
.,	Coeffici				Flow Temp.					ess. Rate of Flow	
No.	(2L-House	n)		Fac		tor	Factor	Factor F _{pv}		Q-MCFPD	
, -	(24-110u)	17 7 1	w ^p f	psia				F _{pv}		@ 15.025 psia	
1. 2. 3.	13.99			57.2	1.000		8076			256.3	
3 e	13.99 13.99			63.2	1.000		8076			440.1	
4.	13.99			63.2	1.000		.8076 .8076			568.1	
5.	13.99			63.2	1.000		8076			718.6 401.6	
ravit	quid Hydrod y of Liquid Pu Mossu	d Hydrocar	rio bons(1-e ^{-s})			ALCU ATI	Speci Speci	fic Gravi fic Gravi 601.2	ty_Flow	rator Gas_320 ring Fluid	
No.	P _w (psia)	P _t ²	F _c Q	(F _c Q) ²	(F ₀	cQ) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca P	P _W P _C	
L. 2.	522.2						272.7	88.7	1	86.8	
	390.2						217.3 152.2	144.1	 	77.5	
1.1	303.2						91.9	209.2 269.5	+	64.9	
4. 5.	467.2				-+		218.3	143.1	 	50.4 77.7	
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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_W) . MCF/da. @ 15.025 psia and 60° F.
- Pc= 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ 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_{t} .