NEW MEXICO OIL CONSERVATION COMMISSION

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

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Pool	Blanco	Mesav	erde	F-	ormation	Mess	verde		_County_	Rio Ar	rriba	
Initi	al X		Annu	al		Spec	ial		_Date of	Test	7-24-61	
Compa	ny Black	sood &	Nicho	ols		Lease!	fortheast	Blanco	Unit Wel	Ll No	62-30	
Unit	Ls	Sec	30 Tw	p. <u>31</u>	N Rg	e. <u>6W</u>	Purc	haser <u>E</u>	l Paso Na	tural (as Company	<u>-</u>
Casin	ıg 5½" W	t. <u>15</u>	.50 I	.D. <u>4.</u>	995 Se	t at 5 6	909' Pe	rf. 52	381	_To	5718'	
Tubin	g 2-3/8" W	t. 4	. 7 _I	.D. <u>l.</u>	99 Se	t at 56	421 Per	rf. <u>55</u>	99'	To	5611'	
Gas P	ay: From_	52381	_To_	718'	L	x	G			Bar.Pr	ess. 12.0	
Produ	cing Thru:	Cas	sing		Tu	bing	X Cdm	Type We	11 Ces	0	C. C. Dual	
Date	of Complet	ion:_	7-8-6	<u> </u>	Packe	r	 эти	_Reservo	ir Temp.	G. Or	G.O. Dual	·-
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			rlow Da				Tubing		Casing I		<u> </u>	
Vo.	(Prover) (Line)	(Orif	ice)			Temp.	Press.	Temp.	Press.	Temp.	Dura of	
ı	Size	Si	ize	psig	h _w	°F•	psig	°F.	psig		Hr	
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					PRI	ESSUBE C	ALCULATIO	ONS				
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	quid Hydro y of Liqui		rocarbo	ons		deg.					arator Gas wing Fluid	
			(:	1-e ^{-s})				Pc	1165	_Pc	1357	
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No.	$P_{\mathbf{w}}$	₽ŧ	2 F	Q	$(F_cQ)^2$	a)	-0)2	P_w^2	$P_c^2 - P_w^2$	C	al. Pw	
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3.												
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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
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- P_t 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.
- F_t 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 $P_{\mathbf{t}}$.