NEW MEXICO OIL CONSERVATION COMMISSION

nitia	ool					Special				Date of Test3		
mpan	y_Bool	y 011 C	رسيسا			Lease	ifest de	1 Unit	Wel	1 No	1	
nit _	<u>r</u> 5	Sec	Twp	25	Rg_Rg	e. <u>)6E</u>	Pur	chaser	None		·	
sing	70 W	it. 🤐	I.D.	6.	276 Se	t at_ 1	,213 P	erf. 11.	736	To 11	,8%	
bing	2-7/8" W	it. 6.4	#_I.D.	2.	Se	t at 11	4715 P	erf. 11,	711	To	11,715	
s Pa	y: From_	11,736	To 11.	94	L 11	.815	xG0.65	O GL	7660	Bar.Pre	ess. 13	
oduc	ing Thru:	Casi	ng		Tu	bing	п	Type W	ell Sin	مان		
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<i> -</i>		16/60	*		Ī	FLOW CAI	5915 LCULATIO	NS 2 2	9 - 41	ج ۔	//	
	Coefficient (24-Hour) -				essure	Flow Temp.		Gravity Factor	Compre		Rate of Flow	
			$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia	Ft		Fg	Fpv		@ 15.025 ps:	
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			4711V		VIJ					-		
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rity	of Liquid	d Hydro	carbons		9	deg.	0.771	Speci	fic Gravit	ty_Flow	$^{\prime}$ ing Fluid $^{\frown}$	
	5.066		(1-e ⁻	٠٠	0.41)		-	Pc	231	_Pc	8,825 X 103	
Pw		 -	T				<u>-</u>		γ	 		
	(psia)	$P_{\mathbf{t}}^2$	F _c Q		$(F_cQ)^2$	(I	F _c Q) ² L-e ^{-s})	P_w^2	$P_c^2 - P_w^2$	Ca	Pw Pc	
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	1924	35,14	46.7	1	2203.0		3.0	36,046	2779			
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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 \equiv Actual rate of flow at end of flow period at W. H. working pressure (P_W). MCF/da. @ 15.025 psia and 60° F.
- PcI 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.
- 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 $P_{\mathbf{t}}$.