## NEW MEXICO OIL CONSERVATION COMMISSION

ool	Undesi	pated	MULT	I-POINT B	ack pres					'Form C-1 evised 12-1-	
										t.19-23,19	
	any <b>TEXA</b>							<b>V</b> (7			
								-		s Company 13,602	
	ng <b>2-3/8</b> W										
	Pay: From									s. 13.2	
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at e	of Complet	ion• <b>Se</b> i	pt. 23.1	961Packe	r 13.8	Sing	gle-Brade	enhead-G.	G. or G.	O. Dual	
,	(Passes) (Line)	Flo	ow Data Press	B. Diff.	Temp.	Tubing Press.	Temp.		ata Temp.	Duration of Flow	
	Size	Size	e psig	h <sub>w</sub>	°F.	psig		psig	°F∙	Hr.	
	2.067	1.2	50 634	8.8	96	4075 3956	80 80			24	
#	2.067	1.2	50 674	18.0	102	3550 3426	81 81			24 24	
7	4.026	1.2			73	2911	82			24	
T	Coeffici	ent		ressure	Flow	CULATIONS Temp.	Gravity Factor	Compre		ate of Flow	
	(24-Hou	r) 7	hwpf	psia	Ft		$^{ extsf{F}_{ extsf{g}}}$	Fpv	@	@ 15.025 psia	
Ţ	10.48 10.48		75.46	647.2			671 .9721 61 <b>8</b> .9721		048	779.5 1141.0	
1	10.48		263.50	868.2	.9	224	.9721	1.	083	2885.0	
	19.2/		218.90	577.2	.9	5//	.9721	1.052		4260.0	
L vi	iquid Hydro ty of Liqui <b>9.93</b> 6	carbon l d Hydro	Ratio 43. carbons(1-e <sup>-s</sup> )	580	cf/bbl.		Speci Speci	fic Gravi fic Gravi <b>4088.2</b>	ty Flowi	rator Gas6 .ng Fluid6 16.713	
 	F <sub>w</sub> Ft (psia)	P <sub>t</sub> <sup>2</sup>	F <sub>c</sub> Q	$(F_cQ)^2$	(1	(cQ) <sup>2</sup> (-e-s)	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal P	Pc	
Ŧ	3969.2	15,754 15,157	11.340	59.90 128.60		5.79 1.73	15,783	930	397	3 .3/10	
<b>┿</b>	3439.2	11,000	36,660	881.40	39	4.30	12,222	4491	349	.8551	
$\pm$	2924,2	8551	42.330	1792.00	, <u>ao</u>	0.20	9411	7302	306	3 .7504	
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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<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$  Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\mathrm{DV}}$  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  $P_{\mathbf{t}}$ .