1. 175 <b>.</b> U	Form	C-T

MULTI-POINT	БАСК	PRESSURE	TEST	FOR	GAS WELLS,
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00	1	mat	<del></del>	Formation	<del></del>	Yates		County	····-	Lea
								Date of Test_		
Company Weier Drlg. Co.										
										2170
<b>ı</b> b:	ing <b>-0-</b>	wt	I.D	Se	t at	F	Perf		To	
15	Pay: From	3100	To31 70	L_310	<u> </u>	<sup></sup> 65	5GL	2031	Bar.Pres	s. <u>13.2</u>
<b>°</b> 00	lucing Thru	: Casi	ng	Tu	oing		Type We	ellsin	ale	
ıt.e	e of Comple	tion•		• Packe	r	Si	ngle-Brade Reserve	enhead-G.	G. or G.	O. Dual
	•			<b>_</b>				<u>-</u> <u>-</u>	<del></del>	
					OBSERV	ED DATA	•			
st	ed Through	(Prove	r) (Choke	(Meter)				Type Tap	s	
		Flo	ow Data			Tubin	g Data	Casing D	ata	
٥.	(Prover)	Chek (Orific	Pres	s. Diff.	Temp.	Press	• Temp•	Press.	Temp.	Duration of Flo
	Size	Size	e psi	g h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> ,	psig	<sup>⊃</sup> F•	Hr.
		<u> </u>						670		72
+	4 × 1,00	<b>4</b>	218	1.92/	74			452	<del> </del>	21
$\dagger$		<del> </del>	219		72	<del>                                     </del>	<del></del>	372		24
+		<u> </u>	215 220		73	<del> </del>	<del></del> -	305 257		<del>24</del> 24
	Flan	Coefficient  Flang $(24-Hour)$ $h_{w}p_{f}$		į.		ow Temp. Gravity Factor Factor $F_t$ $F_g$				Rate of Flow Q-MCFPD @ 15.025 psia
1	6.135	26	2.88		9.6	9868 957		<del></del>		171
1	<b>N</b>		3. 31			0007 "		,		316
+	<u> </u>		97			77				420
+	•	- 85	3 <del>. 95</del>			77			23	498
vi	iquid Hydro ty of Liqui			<u> </u>	CSSURE C  cf/bbl. deg.		Spe <b>ci</b> Spe <b>ci</b>	ific Gravi Ific Gravi	ty Flowin	ng Fluid
	$P_{\mathbf{w}}$ Pt (psia)	Pt <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F	$\left(\frac{cQ}{c-e}\right)^2$	$P_w^2$	$P_c^2 - P_w^2$	Cal.	P <sub>W</sub> P <sub>C</sub>
+	465.2	216.4	.084	.007	1 -	01	216.4	250.4		250.4
+	305.2	140.4	•155	.024	, -	03	148.4	318.4	+	318.4
†	318.2	101.3	• <del>206</del>	042		05	<del>101.3</del>	365.5	† · <del>- · · · · · · · · · · · · · · · · · </del>	365.5 393.8
I	270.2	73.0	• <del>245</del>	•060		08	<del>-73.0</del>	393.8		090.0
	lute Potent	ial:	590		_MCFPD;	n	000		· · · · · · · · · · · · · · · · · · ·	
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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 I Actual rate of flow at end of flow period at W. H. working pressure ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 60° 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.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{DV}^{-}$  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  $P_{\mathbf{t}}$ .