## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122
Revised 12-1-55

	MULTI-POINT	BACK	PRESSURE	TEST	FOR	GAS	WELLS
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Pool _	<u> Duna</u>	mt	<del></del>	Fo	rmation	Yates			County	Lea	
Initia	1 <u> </u>		_Annual_			Spec	ial	·	_Date of	Test_6	V13/56
Compan	у	117 011	Co.			Lease	en Etten		We]	ll No	10
nit _	0	Sec <b>9</b>	Twp	205	Rg	e. <u>37</u> E	Purc	haser	Southern (	inion Ge	s Co.
asing	70	vt. <b>20/</b>	I.D.	6.4	<b>56</b> _Se	t at <u>34</u>	<b>00</b> Pe	rf	. <u> </u>	То	
ubing	23111	vt <b>6.</b>	<u> </u>	2.	Se	t at_ <b>36</b>	<b>56</b> Pe	rf	1.	To	56 1
as Pa	y: From	3406	_To <b>3</b>	661	_L3	<b>651</b> ×	G 0.673		21.57	Bar.Pre	ess. 13.2
							x	Type We	ell <b>S</b>	ngle	
							Sin	gle-Brade	enhead-G.	G. or (	3.0. Dual
							ED DATA		_		
sted	Through	(2742	<b>(1)</b>		(Meter)				Type Tar	s n	nge
		F	low Data		<del></del>		Tubing	Data	Casing I	ata	T
) •	(Line)	(Cho	ke) Pr	ess.			Press.	Temp.	Press.	Temp.	Duration of Flow
	Size	Si	ze p	sig	h <sub>w</sub>	o <sub>F</sub> .	psig	F.	psig	<sup>⊃</sup> F•	<del></del>
	A.W	1*		10	36	_68		<del> </del>	101.5 94.6	<del> </del>	72
	*	1*		30	27	63			852	1	24
	<b>W</b>	1.5	5	10	28	64			812		24
	"2"	7/1	6 7	06	*	71			•	-	
,	(24-Hour) $\sqrt{h_{W}p_{f}}$		I	Pressure Flow Tact psia Ft		tor t	Factor F <sub>g</sub>	Compress. Factor Fpv		Rate of Flow Q-MCFPD @ 15.025 psia	
+	6.135		137.2		3.2	0.9924		0.9441	1.05		835
	13.99 124.5			553.2 0.9962				1.061		742 1738	
4	4.3997		•		19.2	0.9896				81025	3187 3178
vity	uid Hydro of Liqui		ocarbons	-s)	PRI 0.156	cf/bbldeg.		Speci Speci		ty Flow	rator Gas ring Fluid
	(psia)	$P_{\mathbf{t}}^2$			$(F_cQ)^2$	(1	(cQ) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	F	P <sub>W</sub> P <sub>C</sub>
	61.2	923.9			24.01			927.6	129.6	963.	1 0.94
	55.2 25.2	748.6	4.35		18.92	16		751.0	306.2 360.0	866. 835.	
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	te Potent	12.7	<u> </u>		<u> </u>		7 7 7		/	756.	/
MPANY DRESS	Scoll	y Oll	Co.			morpu;	n_1.000	11/48/	7-		<del></del>
	and TITLE	SIGN	ED / IL E	. Act	· · · · · · · · · · · · · · · · · · ·			Dist. Su	pt.		
MPAN											
						REM	ARKS				

## 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<sub>W</sub>). 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.
- $F_g$ : Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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  $P_{t}$ .