				NEW MEXICO	нс	BBS OF	FICE OCC		WIS A. UTA		
			MUI	LTI-POINT	BACK PRES	SSURE TI	EST FOR GA	S WELLS		Revised 12-1-	
ool	Emont			Formation	n 1956	OCT 10	n Rivers	County_	Les	<u></u>	
nit	ial		Annual_		Spec	cial	¥	Date of	Test_	8-13 to 8-17-5	
omp	any Stand	lind (1)	and Ga	S Company	_Lease	Stat	e "I"	We	ll No	2	
nit	s	ec. <u>22</u>	Twp	<b>21.5</b> Rg	ge. <u>36</u>	<u><b>B</b></u> Pui	rchaser_ <b>K</b>	L Paso Nat	urel G	s Company	
asi	.ng_ <b>7</b> ¶W	(t. <u>24</u>	I.D.	Se	et at _ 3	<b>306</b> I	Perf	0	_To3	64.5	
ubi	.ng <b>2*</b> W	t. 4.7	I.D.	<b>1.995</b> Se	et at3	<b>790</b> 1	Perf		_To		
as	Pay: From	2910	ľo_ <b>364</b>	L_29	<u>10 * </u> >	cG660		1921	_Bar.Pr	ess. 13.2	
rod ate	ucing Thru: of Complet	Casir	<sup>ng</sup>	Tu Packe	ubing	S: IO	Type W ingle-Brad Reserv	ell_ <b>G.(</b> enhead-G. oir Temp.	G. or	G.O. Dual	
						ED DATA		1,			
est	ed Through			<b>m)</b> (Meter)	<u>)</u>			Type Tap			
-				ss. Diff.	Temp.	the second se	ng Data 5. Temp.	Casing 1 Press.		Duration	
<b>)</b> .	(Line) Size	(Orific) Size		sig h <sub>w</sub>	°F.	psig	s <sup>o</sup> F.	psig	°F.	of Flow Hr.	
4		1 000						1069	+	72	
•	<u> </u>	1.500			<u>86</u> 83	<u> </u>		1012		21	
-		1.500	9				1	994		24	
•		1.500	57		76			<u>912</u> *		24	
	"Unable to		dzew d	own - mext	FLOW CAL	CULATIC	nster ru	B+			
<b>.</b>	Coeffici	ent		Pressure	Flow Temp. Factor		Gravity Factor	Compress. Factor <sup>F</sup> pv		Rate of Flow Q-MCFPD @ 15.025 psia	
	(24-Hour) V		h <sub>w</sub> p <sub>f</sub>	psia		't	Fg				
	13.99		79-54	•			•9535	1.0		1090	
-	13.97		57.73		•9786 •9613		•9535	1.0		154.3	
	13.97			.98			•9535 •9535	1.0		2174	
<u>·</u>				 PF	LESSURE C		lons				
	iquid Hyd <b>r</b> o				cf/bbl.					arator Gas_	
	ty of Liqui • <b>740</b>	d Hydroc 	arbons_ (1-e <sup>-</sup>	s) .124	deg.	-		ific Gravi	ity Flor P <sup>2</sup>	wing Fluid	
		-2		()		2		_2 2			
<b>`</b>	P <sub>t</sub> (psia)	P <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>		$\left( c_{e}^{Q} \right)^{2} \\ -e^{-s} $	P <sub>w</sub> 2	$P_c^2 - P_w^2$	C	al. $\frac{P_W}{P_C}$	
	1055_2	1073.7		1.30		06 16	1113.5	<u>97.5</u> 97.2			
	1007-2	1014.5	1.61	2.59		32	1014.5	156.5			
-	925.2	855.9	2.32	5.38		667	856.6	314-4			
oso:	lute Potent					n_ •5	75	<u> </u>			
	ANY Stan		1 and G	La Company		<i>الن</i> ــــــــــــــــــــــــــــــــــــ					
DR	ree =	طعشاط سر سر		MAY 3 64		-FIELD-					

## 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 platting 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  $(P_W)$ . MCF/da. @ 15.025 psia and 60° F.
- P<sub>C</sub>I 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P<sub>w</sub>: 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

P<sub>f</sub> Meter pressure, psia.

hw- Differential meter pressure, inches water.

Fg Gravity correction factor.

Ft\_Flowing temperature correction factor.

F<sub>DV</sub> Supercompressability factor.

n Slope of back pressure curve.

Not: 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  $P_+$ .