## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

					_	<b>_</b>
Pe <b>vi</b> se	30	l	]	L2 <b>-</b>	-1.	-55

	Undesign										
niti	al <b>X</b>	Ann	ual		Speci	.al		_Date of	Test	<u>5-5-</u>	60
mpa	ny Red	fern & Her	d, Inc.	·	Lease	Hye		Wel	1 No	<u>n</u>	··
iit	S	ec. <u>32</u> T	wp <b>2</b>	9N Rge	. 11W	Purch	naser				
sin	g <u>4</u> W	t. 9.5 a	I.D	Set	t at 630	<b>XO</b> Per	f. 604	<u>u</u>	То	230	
	g <b>2-3/8</b> W										
ıs P	ay: From_	<b>6044</b> To	6230	L	xG	.700	<u>=</u> GL		Bar.Pr	ess	
odu	cing Thru:	Casing_		Tul	oing 1	<u> </u>	_Type We	11 <b>Sin</b>	<u> </u>	<b>A</b> 6	
	of Complet:					Sing	gLe-Brade	nhead-G.	G. or	G.O. D	uaı
					OBSERVE	D DATA					
ste	d Through	( Navia)	(Choke)	(Person)				Туре Тар	s		
		Flow				Tubing	Data	Casing D		<del></del>	
Τ		(Choke)	Press	· Diff.	Temp.	Press.		Press.	<del></del>	1	Duration of Flow
·	(Line) Size	(Orifice) Size	psig	hw	° <sub>F</sub> .	psig	°F.	psig	<sup>⊃</sup> F.		Hr.
						2012		2133			
		3/4	440		70			1096	<u> </u>	1 3	hre
+			1						<u> </u>		****
_!_							- <del></del>	Li	<u> </u>	<u> </u>	
<del></del>	Coefficient (24-Hour) √ h <sub>w</sub> p <sub>f</sub>		P	FLOW CALCULATION Pressure Flow Temp.		emp.	Gravity Com		press. Rate of Flow		
)			wPf	psia			Factor F <sub>g</sub>	Factor F <sub>pv</sub>		Q-MCFPD @ 15.025 psia	
	12.3650			452	9905		9258	1.054		5402	
+											
vit	quid Hydro y of Liqui	d Hydrocar	io bons (1-e <sup>-s</sup> )		cf/bbldeg.		Speci Speci	fic Gravi fic Gravi	ty Flo	wing F	
	P <sub>w</sub> Pt (psia)	Pt <sup>2</sup>	F <sub>c</sub> Q	(F <sub>c</sub> Q) <sup>2</sup>	(F <sub>C</sub>	Q) <sup>2</sup> e <sup>-s</sup> )	P <sub>w</sub> 2	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	C	al. P <sub>w</sub>	Pw Pc
#	1178						1228	3373			1.368
  -	1108						46,60	2213	+		<u> </u>
sol MPA	*`~	ial: fera & Her 1747, Mi			MCFPD;	n75	1.2	42	1		
ENT	and TITLE	T. A. Du	gan, Co	Maulting	Ingineer	•					
TNE	SSED NY									<del></del>	
AMMC	* <b>`</b> *				REMA						

## 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  $(P_w)$ . 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
- P<sub>f</sub> Meter pressure, psia.
- hw- Differential meter pressure, inches water.
- $F_g = Gravity$  correction factor.
- $F_t$  Flowing temperature correction factor.
- F<sub>DV</sub> 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  $P_{+}$ .