k.				MULTI-	POINT BA	ACK PRES	SSURE TEST	FOR GAS	S WELLS		revisor in i	
Poo]	Undesign	nated		Fo	rmation_	Dal	cota		_County_	Rio A	rriba	
Init	cial x		Annua	1		Spec	ial		Date of	Test_ <b>x</b>	arch 14, 1960	
Comp	oanyskel	ly (M)	Compar	1A	I	Lease	Jicarill.	uBn	Wel	1 No	21	
Unit	<u> </u>	Sec32	Twp	251	Rge	•	Purch	naser <u>r</u>	l Pase Na	tural G	as Company	
Casi	ing 51 h	/t• <b>15</b>	<u>8_17</u>	D	Set	at	<b>7219</b> Per	·f. 69	99	To	072	
Tubi	ing 20 W	it4.	<b>7_</b> I.	D1.5	gs_Set	at	7045 Per	·f•	381	To	7045	
Gas	Pay: From_	6999	To	7072	_L	x	G_0.690	GL		Bar.Pre	255•	
	ducing Thru:											
Date	e of Complet	ion:	3-14-	-60	Packer	·	Sing	gle-Brade _Reserve	enhead-G. oir Temp	G. or G	.0. Dual	
			-			OBSERV	ED DATA					
Tested Through (Property) (Choke) (Messex) Type									Туре Тар	rpe Taps		
	**************************************	<u> </u>	low Da	+ 2			Tubing	Data	Casing D	ata		
T	(Prover)				Diff.	Temp.			Press.			
No.	(Line) Size	(Orifi Siz		psig	h <sub>w</sub>	$\circ_{\mathrm{F}}$ .	psig	o <sub>F</sub> .	psig	∍ <sub>F</sub> .	of Flow Hr.	
SI				PDIB	W		2155		2167			
1.		3/ <b>b</b> <sup>R</sup>		165			165	600	540		3 hours	
2 <b>.</b>   3 <b>.</b>		ļ <u>.</u>								<del> </del>		
2. 4.		<del> </del>								<del> </del>		
5.												
					ធ	T.OW CAT	CULATIONS	;				
T				Pro					ty Compress.		Rate of Flow	
No.						Factor		Factor	Factor		Q-MCFPD	
	(24-Hour) √		√ h <sub>w</sub> p	1	osia	F		Fg	Fpv		@ 15.025 psia	
<del>].</del>	12.3650			17	7	1.00	0	0.9325	1.01	9	2,077	
2. 3. 4. 5.			<del></del>					· <del>····································</del>				
4.												
5.										$\Box$		
ravi	iquid Hydro ty of Liqui	d Hydro	carbo	ns -e <sup>-s</sup> )			ALCU ATIC	Speci Speci		ty Flow	rator Gas ving Fluid <b>C.69</b>	
No.	P <sub>w</sub> P <sub>t</sub> (psia)	Pt <sup>2</sup>	Fc	2	$(F_cQ)^2$	(F (1	(cQ) <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>	1	Pw Pc	
$\frac{1}{2}$								304.7	4443.3	<del> </del>		
1. 2. 3. 4.												
4.										-		
5.									<u> </u>			
	lute Porent		2,18			_MCFPD;	n 0.75		<del></del>			
COMP ADDR	PANY Skell	y 011 C	ompan)	<u></u>	12		Non Maria					
	ESS Box A	B. A	. Str	icklin	g, Froe	uetlon	Engineer	<del></del>				
	ESSED											
UUMF	PANY		<del></del>		-	PEM	IARKS		A Company of the Comp			
						1 44.44 3			137			

## 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
- 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
- $P_{f}^{-}$  Meter pressure, psia.
- $h_{\mbox{W}}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_{t}$  Flowing temperature correction factor.
- $F_{DV}^{-}$  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  $P_t$ .