1-TCA 1-Snoddy (Holland) 2-EPHG (El Paso, Farm.)

Form C-122 Revised 12-1-55

	1-F			MULTI-	POINT B	ACK PRES	SURE TEST	' FOR GAS	WELLS		2000		
Pool BASIN DAKOTA		<b>.</b>	Fo	rmation	DAKOTA			County		an Juan			
[nit:	ial <u> </u>		_Annua	al		Spec	ial		_Date of	Test	2/25/6	4	
	any n												
	S												
Casi	ng 4 1/2" W	t10.	<b>50</b> _I	D-4.04	oSe	t at_6	Per	rf • 6696	<u>.                                    </u>	To6	<b>8</b> 06*		
ľubi	ng 2 <b>1/8"</b> W	t	70_I	D. 1.99	Se Se	t at	Ol• Per	f <u>Op</u> a	<u>n</u>	To	ad		
as :	Pay: From_	6655!	_To_6	906'	L69	01. x	G67			Bar.Pr	ess	12.0	
)n+ o	ucing Thru: of Complet	ion•	- 4	44 .	Packe	r	Sing	le-Brade	nhead-G.	G. or	G.O. D	ual	
ale	OI COMPLEC	1011:	_2/13	/64	racke								
						OBSERV	ED DATA						
est:	ed Through	(Prov	<u>er) (</u>	Choke)	(Notes)				Type Tap	s			
		Flow D						Data	Casing D		Duration		
No.	(Prover) (Line)	(Cho	ke) ice)	Press.	Diff.		1		Press.	1	1	of Flow	
	Size	Si	Orifice) Size		h <sub>w</sub>	°F.	psig	o <sub>F</sub> ,	psig	°F.	<del></del>	Hr.	
SI l.		-		187		70	1996	78	2008		`I	ays	
2.		3/4		187		- 18	167		720			per	
3. 4.	<del></del>												
5.							L	<u> </u>		<u> </u>			
					<del>-                                    </del>	FLOW CAL	CULATION	S Consorté or	Compre		Pate	of Flow	
No.	Coefficient (24-Hour)			Pr	ressure	Flow Temp. Factor		Factor	Factor F <sub>pv</sub>		Q-MCFPD @ 15.025 psia		
			$\sqrt{h_{\mathbf{w}}}$	$\sqrt{ ext{h}_{\mathbf{W}} ext{p}_{\mathbf{f}}}$ psi			't	Fg					
1. 2.	12.3650				199	.9831		.9463	1.01	2,330			
3。													
5.													
					PR	ESSURE C	CALCULATI	ons					
T	iquid Hydro	oo aboa	. Pati	0		cf/bbl.	_	Speci	fic Gravi	ity Sep	arator	· Gas	
	ty of Liqui		ocarb	bons deg.				Specific Gravity Flor					
c		<u>.</u>	(	1-e <sup>-s</sup> )			-	Pc	732	rc P_2			
	P <sub>w</sub>	<del></del>		<del></del>				Morre					
No.		P <sub>t</sub>	F	cQ	$(F_cQ)^2$	;   (i	F <sub>c</sub> Q) <sup>2</sup> 1-e <sup>-s</sup> )	$P_{w}^{2}$	$P_c^2 - P_w^2$		al.	$\frac{P_{\mathbf{w}}}{P_{\mathbf{C}}}$	
	Pt (psia)					(-	1-6 0)	535.8	3544.6		P <sub>w</sub>	^ C	
2.													
3. 4.													
5.								<del> </del>					
	PANY				Co.	MCFPD	; n <u>.75</u>		<del></del>				
ADDF	ESS	234 B	etr.	ilub Pl	aza, Fa	enington	New No.	dee					
	NT and TITLI NESSED					40 at 14 to		<u> </u>	(C)				
	PANY	E	1 Pas	Natur	al Gas	RE	MARKS		- KFP	FIIF	<del>-  </del>		
									FEB	28198	64		
									lou c	ON. C	OM·		
									\ [	ST. 3	. J. F.		

## 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 (Pw). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\mathbf{w}}$  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.
- $h_{\mathbf{W}}$ Differential meter pressure, inches water.
- FgI Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fnv 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  $P_{\mathbf{t}}$ .