Form C-122

	1-F		MULTI-	POINT B	ACK PRES	SURE TE	ST FOR GAS	S WELLS		devised 12-1-00	
Poo	1 Basin I	Dakota	Fo	rmation	Dá	akota		_County_	San J	uan	
Ini	tialX	Annı	al		Spec	ial		_Date of	Test	10-4-61	
										1	
										l Gas Co.	
Casing 4½ Wt. 10.50 I.D. 4.040 Set at 6675 Perf. 6550 To 6634											
Tubing 2 Wt. 4.70 I.D. 1.610 Set at 6596 Perf To 6596										96	
Gas Pay: From 6550 To 6634 L 6596 xG .67 -GL 4419.3 Bar.Press. 12											
Producing Thru: Casing Tubing X Type Well Single gas											
Producing Thru: Casing Tubing X Type Well Single qas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 9/22/61 Packer 0 Reservoir Temp.											
OBSERVED DATA											
Tested Through (Choke) (Matter) Type Taps											
	(Prover)	Flow D	ata Press	Diff	Tomp		g Data Temp.	Casing D	ata	Dunation	
No.	(\mathtt{Line})	(Orifice)	1				1	İ	i	of Flow	
SI	Size	Size	psig	h _w	° _F .	psig 2015	°F.	psig	[⊃] F•	Hr.	
1. 2.		3/4	279		79	279	79	2015 1066	 	7 day 3 Hr.	
2. 3.											
4.	 -	<u>;</u>									
5.									†		
FLOW CALCULATIONS											
No.	Coeffici	ent	j	Flow Temp. Gra Factor Fa							
	(24-Hou	\mathbf{r}) $\sqrt{\mathbf{h}_{\mathbf{W}}}$		psia		t	F_g	Fpv		@ 15.025 psia	
1.	12,3650		291		.9822		.9463	1.02	28	3.446	
2. 3.											
4.				+							
5.											
PRESSURE CALCUTATIONS Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid C											
							•		Pw2_1	·	
No.	P _w Pt (psia)	Pt F	_c Q	$(\mathbf{F_cQ})^2$	(F ₀	Q) ²	P _w 2	P _c -P _w ²	Ca P	1. Pw Pc	
1. 2.							1162.1	2946.6		.531	
3.											
4.											
5.											
COMP ADDF	PANY South RESS 207 I	west Proceeds. Club	Plaza		ny	n7					
MITI	NESSED										
COMPANYREMARKS											
			· va		rerP			(RL OC	713 19		
								1			

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.
- Pc= 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.
- $F_g \subseteq Gravity$ correction factor.
- F_t Flowing temperature correction factor.
- F_{pv} 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 $P_{\mathbf{t}}$.