Form C-122

1-D 1-Bill Parrish

	1-r		MUI	LTI-POINT	BACK PRES	SURE TES	T FOR GAS	WELLS	I	Revised 12-1-55	
Poo	a Basin D	akota								wan	
	tial X Annual										
	pany South										
	t <u>M</u> s										
	ing 5½ W				4						
	ing 2 3/8" W										
Gas Pay: From 6136 To 6196 L 6185 xG .67 -GL Bar.Press. 12.0											
Producing Thru: Casing Tubing X Type Well Single-Ges Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 1/17/61 Packer Reservoir Temp.											
Dat	e of Complet	10n: <u>4</u>	21/02	Pack			Reservo	orr semb.			
						ED DATA					
Tested Through (Choke) (Choke) (Type Taps											
	(Prover)	Flo Chole	ow Data	ess. Diff	Town	Tubing		Casing D	ata	Duration	
No.	(Line)	KODOOCK	DESK)		o _F .		Temp.	psig	1 1	of Flow	
107	Size	Size	e ps	sig h _w	F.	psig 2090	Γ 4	2090	Г.	Hr.	
27		3/4"		57	76	367	76	1107	-	3-Hr.	
SI 1. 2. 3. 4. 5.		7									
<u>3.</u>		·									
4.									 		
		L					<u> </u>	 			
	Cooffici	ont		Tpmoonumo	FLOW CAL			Compre	66 1	Pate of Flow	
No.	Coefficient				Fac	tor	Factor	Compress. Factor		O-MCFPD	
	(24-Hour) √		/hwpf	psia	F	t	F_{g}	F_{pv}		@ 15.025 psia	
1.	12.3650			379	.985		.9463	1.03		4,534	
2.											
3 c								 -			
1. 2. 3. 4. 5.											
			•	יִּק	RESSURE C	A C.CUT.ATT	ONS				
				• •							
	Liquid Hydro				cf/bbl. Spec deg. Spec			ific Gravity Separator Gas			
Gravity of Liquid Hydrocarbons (1-e ⁻⁵)					ueg.			Specific Gravity Flowing Pc 2102 Pc 4418.4			
·		· · · · · · · · · · · · · · · · · · ·	`			•	Pw		P _w 2 12		
	$P_{\mathbf{W}}$	_ 2		,	, ,	2)2		-2 2		_	
No.	D: (i-)	$P_{\mathbf{t}}^2$	F _c Q	(F _c Q) ²	(F)	c ^Q) ² -e ^{-s})	P_w^2	$P_c^2 - P_w^2$	Cal	The state of the s	
1.	Pt (psia)		 		(1		252.1	3166.3	P,	w 1c	
1. 2. 3. 4.								Janua J			
3.			 		- 				 	_	
5.			 	-					1		
	olvte Potent	ial·	6,121		MCFPD;	n -7%	 				
COM	PANY South	mat Pro	duction	Company							
ADDI	RESS162	etr. Ce	nter Ble	dg., Parmi	ngton, No	w Mexico					
AGE! W] Ti	NT and TITLE NESSED	Geor	ge In H	offman, Pr	omiction	Foreman			***		
	PANY								· · · · · · · · · · · · · · · · · · ·		
					REM	ARKS		7	s2	1951	

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
- 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.
- Fg Gravity correction factor.
- Ft 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 $P_{\mathbf{L}}$.