				MULTI	-POINT B	ACK PRES	SURE TES	T FOR GAS	WELLS		Revised 12-1-55	
Pool	Basin Da	kota		Formation Daketa					County San Juan			
	ial_X											
	pany South											
	, <u>A</u> s											
Tubing 2 3/8 Wt. 4.70 I.D. 1.995 Set at 6064 Perf												
	Pay: From_											
Producing Thru: Casing Tubing X Type Well Single-Gas Single-Bradenhead-G. G. or G.O. Dual												
Date of Completion: 2/1/61 Packer Reservoir Temp.												
						OBSERV	ED DATA					
Tested Through (Choke) (Choke) Type Taps												
Flow Data							Tubing	Data	Casing Data			
T	(Prover)	(Ch	oke)		Diff.	Temp.		Temp.	Press.	Temp.	Duration of Flow	
No.	(Line) Size		•	psig	h _w	\circ_{F} .	psig	°F.	psig	°F.	Hr.	
SI						2000		1	2000		7-Days	
1.		3/4*		503	1	83	503	83	1395	 	3-Hrs.	
2. 3.		 			 							
4.	· · · · · · · · · · · · · · · · · · ·	`										
4. 5.											<u> </u>	
					,	FT.OW CAT	.CIΠ.ΔΤΤΟΝ	ıs				
	Coefficient			Pressure		FLOW CALCULATION Flow Temp.		Gravity	Compre	ss.	Rate of Flow	
No.						Fac	tor	Factor			Q-MCFPD	
	$(24-Hour)$ $\sqrt{h_W}$		p _f psia		F_t		$_{F_{g}}$	Fpv		@ 15.025 psia		
1.	12.3650				515 .9786			.9463	1.05		6,233	
2.			 _								 	
3. L			-									
5.												
					PR.	ESSURE C	ALCU ATI	ONS				
ing I	iquid Hydro	oa rho	n Ratio	_		cf/bbl.		Speci	fic Gravi	tv Sena	arator Gas	
	ty of Liqui					deg.		Speci	fic Gravi	ty Flow	wing Fluid	
c			(l-e ^{-s})			_	P _c _2	012	_P _c ² _ 40	48	
								P _W 1	407	P _w 2 19	79	
	$P_{\mathbf{w}}$		2		, .0		.2		-2 2	T .	_	
No.	D. (maia)	P	t F	cQ	$(F_cQ)^2$	(F	(cQ) ² (-e ^{-s})	$P_{\mathbf{w}}^2$	$P_c^2 - P_w^2$	Ca	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$	
1.	Pt (psia)							1976	2069	+	Pw Pc	
2.												
3.												
4. 5.		<u> </u>								$\dot{+}$		
		• - 3		3,663		MORPE	n •7	5				
COME	olute Potent PANY Sou	+hwa s	+ Prach	etion	Company	MCFPD;	**					
ADDF	ESS 162	Petr	. Cente	r Bldg	j., Farm	ington,	New Mexi	CO				
ACEN	IT and TITLE	G	egrae	. Hof	man. Pr	eduction	Foreman	i				

RECEIVED SEBI 4 15E1

REMARKS

WITNESSED COMPANY

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

- $\mathbb Q$ 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 I 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
- P_{t} Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- P_f Meter pressure, psia.
- hw Differential meter pressure, inches water.
- $F_g \square$ Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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 $P_{\mathbf{t}}$.