3-CCC
1-H.L. Kendrick
1-B. Parrish
2-Phillips (Corbett, Hintze)
1-Comm. of Public Lands
1-LDH, 1-TCA
1-T. Cowan, 1-F

Form C-122

	1-1. Cowan	, 1-r	MULTI-	POINT BA	CK PRES	SSURE TES	T FOR GAS	WELLS		Revised 12-1-55
Pool	BASIN	DAKOTA	Fc	rmation_		DAKO	TA	_County	Sio	ariba
Init	ial <u>y</u>	Ann	ual		Spec	ial		_Date of	Test	10/2/64
Comp	any Beta	Developme	nt Co.	L	ease_S	an Juan 2	29-6 Unit	Wel	l No	84
Unit	. <u>G</u> s	ec. <u>14</u> T	wp2	9 N Rge	. 6 W	Purc	haser	El Paso N	atural	Gas Co.
Casi	ng <u>4 1/2"</u> W	t. 11.6#	I.D	Set	at_ 8	130 Pe	rf	8000	To_	80 96
	ng 2 3/8" W		-	-			*			
	·									28812.0
Det -	ucing inru:	· casing_		rub).tig	Sin	Iype we	nhe zd-G.	G. or C	Gas 3.0. Dual
Date	of Complet	ion: 9/	21/64	Packer			Reservo	ir Temp		
					OBSERV	ED DATA				
Test	ed Through	(Property)	(Choke)	(Meteodx				Type Tap	s	:
	(Prover)	Flow (Choke)	Data	Diff	Tomo	Tubing	Data	Casing D	ata	Duration
No.	(Line)	LUCULUCE	X I :	1	o _F .		ŧ	psig		
SI	Size	Size	psig	n _w	· ·	2152		ps1g 2152		Hr. 7 Days
1. 2.		3/4"	211		72	211		733		3 Hzs.
3.										
<u>4.</u> 5.					~					<u>`</u>
			· · · · · · · · · · · · · · · · · · ·	F.	LOW CAL	CULATION	s			
No.	Coefficient		Pr	Pressure		Temp.	Gravity Factor	Compress. Factor		Rate of Flow Q-MCFPD
			w ^p f			t	Fg	Fpv		● 15.025 psia
1. 2.	12.3650			223	981	87	.9463	1.03	22	2,637
3。 4•										
5.										
				PRE	ssure c	alcut ati	ons			
	iquid Hydro				cf/bbl.					rator Gas
		u nyurocar	(1-e ⁻⁸)		deg.	•	Pc	2167	Pc	ring Fluid
							Pw	745	P _w 2	555.0
No.	$P_{\mathbf{W}}$	P _t ²	F _c Q	$(F_cQ)^2$	(F	$(cQ)^2$	P. 2	P _c -P _w ²	Ca	P. P.
1.	Pt (psia)				(1	. -e-s)	555_0	4140.8		y Fc
1. 2. 3.							-000-0	4340.8		
4. 5.									 	
	lute Potent		2.898		MCFPD:	n		<u> </u>		
COMP	ANY	Beta Devel	opment (·						
AGEN	T and TITLE	234 Petz.					100	MIN	(0)	
WITN COMP	ESSED	H, Mc	Anally					Winn,	1 - 0	\
OULT	W11 T		so Natu s	el Ges C	REM	ARKS		•	400#	A
	-						•	OCT 3	N. CUI	

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 = 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
- P_w 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- FgT Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv 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_{+} .