2-EPNG (El Paso, Farm.)
1-Bill Parrish
1-H.L. Kendrick
1-TCA, 1-Snoddy
1-F

Form C-122

	1-F		MULT	ri-point b	ACK PRES	SURE TEST	FOR GAS	WELLS	Ħ	devised 12-1-55	
Pool	ol BASIN DAKOTA			_Formation	AKOT A	KOTA Gounty			San Juan		
[nit	itial X Annual_			Special_			Date of Test 3/2/64				
Comp	any Beta	Develop	ment Co.		Lease <u>J.</u>	S.Hertman	1."A"	Well	No		
Jnit	c s	ec. <u>26</u>	_Twp3	30 N Rg	e. 11 s	Purch	naser	l Paso Nat	ural G	e Co.	
asi	ng 4 1/2" W	t. <u>10.50</u>	#_I.D	4.040 Se	t at_ 69	79•Per	rf • 6742'	T.	o <u>690</u>	4'	
'ubi	ng 2 3/8" W	t. <u>4.70</u>	#_I.D	1.995 Se	t at <u>68</u>	75 Per	rf. Ope	nT	°E	od	
las	Pay: From_	6742' To	0 <u>6904</u>	L 68	75' x	.G67		606.2 B	ar.Pre	ss. <u>12.0</u>	
	ucing Thru:										
										.O. Dual	
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	ed Intough		w Data	oke) (Neter)x			z Data Casing Data				
T	(Prover)	(Choke) Pres	ss. Diff.	Temp.		Temp.	Press.	Temp.	Duration of Flow	
ю.	(Line) Size	(Qzifix Size		ig h _w	°F.	psig	o _F ,	psig	°F.	Hr.	
I		2 (216			1935		1951		7 Days	
		3/4"			78	216	78	652		3-Hrs.	
\exists								 			
:-								 			
					PTOW CAT	CULATION	s		, , , ,		
Т	Coeffici	Coefficient			Pressure Flow Temp				Compress. Rate of Flow		
ю.	(24-Hour) $\sqrt{h_w}$		$n_{\mathbf{w}}$	psia	Factor F _t		Factor F _g	Factor F _{pv}		Q-MCFPD 0 15.025 psia	
	12,3650		W- <u>1</u>	228 .98				1.0:21		2,677	
2.											
<u>'</u>									. <u>. </u>		
				PF	RESSURE (ita iuslati					
	Liquid Hydro Lty of Liqui				_cf/bbl. deg.			ific Gravit ific Gravit			
		-		5)		, _	P _c	1963	ъ2	953 ₁ 3	
							Pw	664 F		440.8	
lo.	$P_{\mathbf{W}}$	Pt ²	F _c Q	(F _c Q) ²	2 (1	$F_{cQ})^{2}$ $1-e^{-s}$	P.,2	P _c P _w ²	Ca	1. P.,	
l	Pt (psia)		C.		()	1-e ^{-s})			P	P _W P _C	
2.				1			440.8	3412-5		-338	
3.									<u> </u>		
<u>5.</u>											
Abso	olute Potent		2,931		MCFPD	; n <u>.75</u>					
		Petr. C		za. Farmi:	ngton. No	w Mexico					
AGE	NT and TITLE	Georg	e L. Ho	ffman, P						is president	
	NESSEDPANY		n McAna so Natu	ral Gas Co	2				Zec		
					RE	MARKS		e ^d	RILL	TAED /	

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
- PwT 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$ Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n _ 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_{t} .