3-0CC

1-H.L. Kendrick 1-Bill Parrish

NEW MEXICO OIL CONSERVATION COMMISSION 1-Sneddy (Holland)

1-Comm. Public Lands

1-Arnett

Form C-122

1-Phillips

1-F

2-EPNG-E1 Paso-Farm. MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Pool	ool Basin Dekota				Fo	Formation Dakota				County Rio Arriba			
Init	ial	<u>x</u>		Annual			Spec	ial		_Date of	Test_	10/3	0/63
Comp	any	Bet	a Devel	opmen	t Ce.	L	ease	San Juan	28-6 Uni	<b>t</b> We	ll No	113	
Unit	, N	S	ec26	Twp.	26	BN_Rge	6W	Purc	haser	El Paso	Natura	1 Gas	Cempany
									erf. 0				
													12.0
Prod	ucing	Thru:	Cası	ng	49	Tub	u.ng,	Sir	Type We	enhead-G.	G. or	G.O.	Dual
Date	of Co	mplet	ion:	0/21/		Packer			Reservo	oir Temp.		<del></del>	
							OBSERV	ED DATA					
Test	ed Thr	ough	Poope	Cr	noke)	(Metecotx				Type Ta	ps		
	(D=0	7	F1	ow Dat	a	Diff	Temp	Tubing	Data Temp.	Casing	Data	7	Duration
No.	(Li	ne)	(06000		1		o <sub>F</sub> .		o <sub>F</sub> .				of Flow Hr.
SI	S1	ze	Siz	e	psig	h <sub>w</sub>	- ř •	2 65	<del></del>	psig	- ·		7-Days
1.			3/4		217		65	21					3-Hrs.
2 <b>.</b> 3.													
4. 5.									+			<del> </del>	
No.	Coefficient $(24-\text{Hour})  \sqrt{\text{h}_{\text{W}}\text{p}_{\text{f}}}$		_	psia	Flow Temp. Factor Ft		Factor F <sub>g</sub>	Compress. Factor Fpv 1.022		Rate of Flow Q-MCFPD @ 15.025 psia			
1.   2.	12.3650				229		.9952		.9463	1.022			2,125
3. 4.							<del></del>					<del> </del>	
<u>3</u> .									-				
PRESSURE CALCULATIONS  Gas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid  Fc													
No.	P <sub>w</sub>	sia)	$P_{\mathbf{t}}^{2}$	Fc	5	$(F_cQ)^2$	(F	$\left(\frac{cQ}{c-e-s}\right)^2$	P <sub>w</sub> 2	$P_c^2 - P_w^2$		Cal.	Р <u>w</u> Рс
<del>].</del>		29	52,44	25,	620	656,384	203	,479	<b>256.</b> 0	685.	1 5	06	
<u>~</u> +				#									
1. 2. 3. 4. 5.													
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COMP	PANY		E	Paso	Natu	product	REN	MARKS	ole.	1	NOV 7 IL CON DIST		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  $\subseteq$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>w</sub>). 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.
- $F_t$  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  $P_{+}$ .