NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122 Revised 12-1-55

			HAM OF	TIDE OGG	nene or	FIGE OF	· c			Form C-
Pool	Remont	1272	CEP MUL	TI-POINT	BACK PAI	SSURE T	Est for ga	S WELLS	<u>Iaa</u>	Revised 12-1
							X			
							ke			
										eline Company
							Perf. Ope			
							Perf. 370			
									_	ess. 13,2
roduci	ng Inru:	Cası	.ng	T	ubing	S	Type W ingle-Brad	ell <u>31:</u> enhead-G.	G. or (G.O. Dual
ate of	Complet	cion: 1) -8-50	Packe	er None		Reserv	oir Temp.		
'e s ted '	Through			e) (Meter)		VED DATA		Type Tar		A go
(1	Prover)	F1 (Chek	ow Data	s. Diff.	. Temp.		ng Data	Casing I		Duratio
	(Line) Size	(Orifi Siz	ce)		o _F .			psig	oF.	of Flo
I			- po.	-8 NW		796.0	5	barg	·	71.1/2
•	4	1.50			66	673.8				24
	4	1.50	453.		72	613.1 539.2		 	 	23 1/2
	4	1.50	458.	•	73	484.5				24 1/2
<u>• ! </u>		<u> </u>	<u>_</u>				<u> </u>	<u> </u>	<u> </u>	
	Coeffici	ent		Pressure		Temp.	ONS Gravity	Compre	ss.	Rate of Flow
0	24-Hour		$r) \left -\sqrt{h_{\mathbf{W}}p_{\mathbf{f}}} \right $		Fa	ctor F _t	Factor	Facto	r	Q-MCFPD @ 15.025 psia
_			64.66	pola			Fg	Fpv		4 1).02) psi
c	13.99		91.65		.9443		.9427 .9427	1.0		1254
	13.99		114.60		.9487		9127	1.043		1559
:	13.99		130.30		.9877	<u>'</u>	.9427	1.0	3	1770
avity o	d Hydro f Liquio	d Hydro			ESSURE (cf/bbl deg	•	Speci	lfic Gravi	ty_Flow	rator Gas_ ring Fluid
P _w	(:-)	$P_{\mathbf{t}}^2$	F _c Q	$(F_cQ)^2$	(1	$\left(\frac{1}{2} \left(\frac{Q}{2} \right)^2 \right)^2$	P _w 2	P _c -P _w ²	Ca	1. Pw Pc
· 687	(psia)	L72.0	8,803	77.19		L-e ^{-s})	LBL.2	170.6	695.4	W
424		392.3	12.46	155.3	24	.54	416.8	238.0	645.	.60
552		305.1	15.49	309.4		.90	343.0 296.6	311.8	585.	
477			-1+27	70704		447		1,384,6		1
OMPANY_ ODRESS_		011 A	Gan Comp	Mercigo			0.933			
TENT SU		ICTED R	Le R. L.	West	C	naries	M. Cole, P	etroleum i	nginee	<u> </u>
MPANY_				paline Co		1ARKS				

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.
- PcI 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.
- 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_{+} .