## NEW MEXICO OIL CONSERVATION COMMISSION

					) / T / W	T Botum						Form C-122	
Po	) [o	Carrie 1.	i. ne.	فسسع					TEST FOR G			Revised 12-1-55	
									Wf.				
												June 12, 1962	
											ll No		
Un	it <u>c</u>		Sec	25 T	wp. 26	R R	ge <b>_</b>	P	urchaser				
Ca	sing 4	7/3	Wt9	.5	I.D4	.090 s	et at	4151	<b>39</b> _Perf	92 39	To L	798 %.5	
Tu	bing 1	1/2	Wt. 2	.9	I.D. 1	.610 s	et at	<b>4</b> CS9	Perf. 39	86	To M	20	
Ga	s Pay:	From	4039	To	3998 4045	L_4	.019	xG 0.7	Clest )-GL	2813	Bar Pr	ess. <u>12</u>	
Pro	oducing	Th <b>r</b> u	: Ca	sing		Tr	ubing	T	Tyme W	all same			
Dat	te of C	omple	tion:	June	1. 106	2 Packe	3 To		Single-Brad	enhead-G.	G. or	G.O. Dual	
		1			<u>-1 -/2</u>	1 ack			aeserv	olr Temp.			
По г	-1-2 m.		/	tra usu o.A. /				ED DAT	A'.				
105	sted In	rougn				(MATERIA)	<u>)</u>			Type Tap	os	Plance	
	(14	3.64E)		Flow Doke)		Diff.	Temp.	Tubi Pres	ng Data	Casing I			
No.	, , –	ine) ize	(0.2	<b>(1334)</b>					1		1	Duration of Flow	
SI	11 Da		†	··	psig	h <sub>w</sub>	°F.	psi		<del> </del>	°F.	Hr.	
1. 2.	54	3/4		14				150		9 143		3 hours	
3.			<del> </del>										
<u>4.</u> 5.								<u> </u>					
							FLOW CAL	CIT.ATT	ONS		<b>.</b>		
No.	Coefficie				Pressure		Flow Temp. Factor		Gravity	Compress.		Rate of Flow	
					of	psia	Ft		Factor F <sub>g</sub>	Factor F <sub>pv</sub>		Q-MCFPD @ 15.025 psia	
1. 2. 3. 4.	12.36	50			1	.60	1,000		.9258	1.019		1966	
3. 4.													
5.													
						PRI	ESSURE CA	LCULAT	'IONS				
as I	iquid	Hydro	carbon	Ratio	)		cf/bbl.		Speci	fic Gravit	v Sena	rator Cae	
ravi	ity of	Liquid	d Hydr	ocarbo 1)	ns -e <sup>-s</sup> )		deg.		Speci	fic Gravit	y Flow	ing Fluid	
				·	- 2_				Pc	84 <b>Y</b>	Pc 67	0,761	
No.	$P_{\mathbf{W}}$	T	P <sub>t</sub> .		2	/= -\?		., 1	·»-	2 -	T	1	
	Pt (p	sia)	Pt.	Fc		$(F_cQ)^2$	(F <sub>c</sub>	Q) <sup>2</sup> e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal P.		
1. 2. 3.									308,025	362,736			
3. 4.											10	CIVE	
4. 5.											R	PEINED	
Abso. COMP.	lute Po	otenti	al:	31/		A Park and T	MCFPD;	n C.8	5		JUN1 4 1962		
ADDR	OMPANY  DDRESS P. O. Bux 180, Farmington, New Mexico  GENT and TITLE P. W. Foell, Petroleum Engineer												
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REMARKS

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

- 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<sub>C</sub>= 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.
- Fnv 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  $P_t$ .