NEW-MEXICO OIL CONSERVATION COMMISSION

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						HOB	BS OFFI	DE 000		Form C-12
Pool	Greaty		MUL	TI-POINT	BACK PRE	SSURE TES 1957 FE	T FOR GA	S WEILS 1 9:56		Revised 12-1-5
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	any 901									
Casir	ng 5.5 V	15.5 Vt 17.0	I.D.	STE Se	t at 🕷	Pe	rf.	26	То	
	ng 1.375 V									
										ess U.
Produ	icing Thmu	Coni			, .	-			U V	
Date	of Complet	ion: 1	2-3-56	Packe	r •	Sin	gle-Brade Reserve	enhead-G. oir Temp.	G. or (G.O. Dual
		PB TD								
Teste	d Through	(Type Tap	ns Re	
<u></u>			ow Data			Tubing	Data	Casing I		
No.	(Participation) (Line)	(Orifi		ss. Diff.	Temp.			Press.		1
	Size	Siz		ig h _w	° _F .	psig	°F.	psig	°F.	of Flow Hr.
SI 1.	6	2.50	- 39	10.15		261		1652 8521		
1. 2. 3.		1.9		87.16 13.56		211		2010	+	
4. 5.		1.9	<u> </u>	9.4	6	194		27	+	
<u> </u>	——————————————————————————————————————					CHARTON	└ <u></u>	L	<u> </u>	
No.	Coeffici	ent		Pressure	Flow	CULATION: Temp.	Gravity	Compress. Factor		Rate of Flow
	(24-Hour)		h _w p _f	psia	-		t ^F g		1	Q-MCFPD @ 15.025 psia
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5.				1			······································			
				PRI	ESSURE C	ALCULATIO	INS			
	quid Hydrod y of Liquid				cf/bbl. deg.					rator Gas •
			(1-e ^{-s}				P _c _	65.2	P_c^2	
T	W								······	
10.	Pt (psia)	P_t^2	F _c Q	$(F_cQ)^2$	(F	$\left \frac{c^{Q}}{e^{-s}} \right ^{2}$	P _w 2	$P_c^2 - P_w^2$	Ca	1. P.
			·	+			17.1	94-1	P.	
3.	190.1			<u> </u>	_		97730 981740	109.0		•••
+• 5•	1305.2						543.5	1707.4		
bsolu COMPAN	ite Potenti IY	ial:	23,000		MCFPD;	n Oel	"			
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OMPAN	IY				REM	RKS				

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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.
- Pc² 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.

hwI Differential meter pressure, inches water.

FgI Gravity correction factor.

Ft Flowing température correction factor.

F_{pv}- 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 .