NEW MEXICO OIL CONSERVATION COMMISSION

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								0488 orr			Form C-122	
		MULTI-POINT BACK					SURE	ST FOR GAS	GAS WELLS		Revised 12-1-55	
Pool	di	lant.		F	ormation	1	Takes]] <u>1</u> : 07 County	Lee		
											12-14-56	
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											ess19.2	
Prod	ucing Thru	: Ca	sing		Tu	bing	X Si	Type We	ell enhead-G.	G. or (G.O. Dual	
Date	of Comple	tion:_	5-29-	<u>()</u>	Packe	r	.	Reservo	oir Temp.	<u> </u>		
						OBSERV	ED DATA					
Test	ed Through				(Meter)				Туре Тар	s_ 11	14 6 9	
		I	Flow Da	ata			Tubin	g Data	Casing D	ata	1	
No.	(Line)		fice)		Diff.	Temp.	Press	. Temp.				
NO.	(Line) Size			psig	hw	°F.	psig	°F.	psig	°F.	of Flow Hr.	
SI							72				72	
1. 2.	<u>A</u>	1.2			15.2	<u>75</u> 74				<u> </u>		
3.		1.2	10	53	33.66	71	564				<u> </u>	
4. 5.		1.2	0	544	39.44	73	545	+	· · · · ·	+		
<u></u>				Į	<u> </u>				L	<u></u>	<u></u>	
	Coeffic	ient.	1	Pi	ressure	FLOW CAL		NS Gravity	Compre	ss.	Rate of Flow	
No.						Fact	tor	Factor	Facto		Q-MCFPD	
<u> </u>	(24-Hou	ur)	V h _w		psia	F	t	Fg	F _{pv}		@ 15.025 psia	
$\frac{1.}{2.}$	9.643		97.	4	31.2	6. 1077 6. 1077		0.9535	1.09		941	
3.	9.643		110		1.2	6.967		0.995	1.00		1392	
<u>4.</u> 5.	9.443		14.		97.2	0. 9996		6.999	1.65	•	1409	
			•		PR	ESSURE C	A C.CITC.ATT	TONS				
Ŧ			D -44									
as Li ravi	iquid Hydro ty of Liqu	ocarbor id Hydi	n Ratio	o ons		deg.					arator Gas ving Fluid	
c	9.936		(l_e <mark>-s</mark> ∑	0.127			P	784.2	_P ²	614.9	
No.		P	я S	Q	$(F_cQ)^2$	(F	α^2	P _w 2	$P_c^2 - P_w^2$	Ca	al. Pw	
	P _t (psia)	- t			(* 64)		$\left \frac{c^{Q}}{c^{e^{-s}}} \right $		1C 1W			
$\frac{1}{2}$	631.2	398.4									0.03	
3.	571.2	331.1	13.	8	175.00			355.4	239.5	996.	2 0.760	
<u>4.</u> 5.	558.2	511.6	13.		194.32		L+	574.5	278.0		9 6.739	
	lute Potent	tial:	200	t		MCFPD:	n		·		······	
COMP	ANY	Bentol	0 011	à hafi	ning Co				·····			
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WITN	ESSED	ideard	Make									
UMP	ANY	C. Pers	<u> </u>			REM	ARKS		·			

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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.
- P_c: 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P_w 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
- P_f Meter pressure, psia.

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hw= Differential meter pressure, inches water.

Fg Gravity correction factor.	÷		•	•
Ft Flowing temperature correction factor.	•	-	• -	•
F _{py} : 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_+ .