	÷ .		J	NEW MEXICO OIL CONSERVATION COMPLISSION					ELVIS A. UIZ GAS ENGINEER		
						นกเ	ARS OFFI	CE OCC		Form C-122	
Dec			MUJ	LTI-POINT E	BACK PRE						
Toi				Formation		<b></b>		County	1	-16-56	
	tial <u>*</u>										
	npany <b>The T</b> e										
									-	e Line Ge.	
	ping <b>2 3/1</b> V										
										ss. 13.2	
Dat	ducing Thru: e of Complet	ion:_	sing	Tu	r	Sir	Type We ngle-Brade Reserve	ell enhead-G. pir Temp	G. or G	.0. Dual	
	ted Through	-		e) (Meter)		TED DATA		Πυσιε Παρ	- <b>M</b> -		
			Flow Data		Tubing Dat			Type Taps Pipe			
No.	( <del>Prever</del> ) (Line)	(0	Pre	ess. Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
	Size	S	fice) ize ps	sig h <sub>w</sub>	°F.		°F.	psig	<sup>°</sup> F.	Hr.	
SI 1.		1.	50 62	.7 7.3	75	<u>692.9</u> 623.5	+			71.3/4 24 1/4	
$\frac{1}{2}$	-			.0 13.2	75	529.0				24	
4.			50 169	.9 21.4	78	493.1				1	
		<u>4 </u>		d <u>-</u>	FLOW CAT	CULATION	ـــــــــــــــــــــــــــــــــــــ	<u></u>			
No.	Coeffici	ent		Pressure	Flow	Temp.	Gravity Factor	Compres	1	Rate of Flow Q-MCFPD	
	(24-Hour		$\sqrt{h_w p_f}$	psia		't	Fg	Fpv		@ 15.025 psia	
$\frac{1}{2}$	15.26		<u>54.94</u> 79.29	A75.9	<u>175.9</u> .915		.9292	1.015		1.157	
$\frac{1.}{2.}$ $\frac{3.}{4.}$ 5.	15.26		95.57	A73.2		1	. 9292	1.045		1,301	
5.											
				PR	ESSURE C	ALCULATI	ONS				
	Liquid Hydro ity of Liqui				cf/bbl. deg.			fic Gravit		rator Gas ing Fluid	
	9.936		(1-e <sup>=</sup>	s <u>) 0.16</u>			Pc_7		P <sup>2</sup>		
r			<u> </u>						+		
No.	Pw	Pt	F <sub>c</sub> Q	$(F_cQ)^2$	(F	$\left[ c_{e}^{Q} \right]^{2}$	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca		
Ţ	Pt (psia)	105.	8.55	5 73.19		.7.	417.1	12.5	P.	w <sup>r</sup> c	
2. 3.		<b>H</b> .				:17	322.6	141.8	183:	\$	
4. 5.	596.3	256.	14.72	216.7	34	.67	291.0	207.6	539.	.72	
Abso	olute Potent	ial:	2,700		MCFPD;	n					
COMF ADDF	ESS		NR 1270.	Kident	Texas			<u> </u>			
WITN	NT and TITLE		. I. Bak	er. Biski	rict Ga	a New	Xu	Buch	En		
COMF	PANY	<b>B</b>	ernian R	asin Pipe	REM	ARKS					

. ^

## 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

Ξ

- 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<sub>c</sub>= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P<sub>W</sub>: 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.
- FgI Gravity correction factor.

	2			+		<b>1</b> •	•
Ft Flowing t	emperature	correction	factor.	٠	<b>4</b>	<b></b>	*
	•	*		+	*		۰.
F <sub>pv</sub> I Supercon	npressabilit	y factor.		¥	1 <b>.</b>	•	7

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  $P_t$ .



Q = MCF/DayQ = 2,700

