## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

MULTI-POINT BACK	PRESSURE	TEST	FOR	GAS	WELLS
------------------	----------	------	-----	-----	-------

Revised 12-1-55

Pool Basin Dakota Formation Dakota County San Juan								uan				
											4ay 29, 1961	
											1	
Ur	nit	_Sec	Tw	p. 2	<i>9 N</i> R	ge <i>  []</i>	LW Pur	chaser		•		
	asing 4.5										SE18	
Ga	Tubing 2-3/8 Wt. 1.7 I.D. 2 Set at 6550 Perf. To											
Pr	oducing Thru	ı: Cas	ing		T	ıbirg	<u>- мац)</u>	Tune V	Vell as	_bar •rr	ess. <u>12.0</u>	
Da	te of Comple	tion:	-		Packe	er	Sir	ngle-Brad	denhead-G.	G. or	G.O. Dual	
							ED DATA	reserv	orr ismo.	178		
Te	sted Through	(Rnow	) (ma	lhoke)	-(Noton)		IED DAIR					
			low Da		NI POPE				XBWDGCXBGDGK			
	(Prover)	(Chol	ke)	Press.	Diff.	Temp.		Data	Casing I	Data	Dunation	
No	(Line) Size	<b>Robb</b>	<b>200</b>	psig		· -	psig	1 _	i		of Flow	
SI		<b> </b>			- W	- •	2096		5060 barg	"	Hr.	
$\frac{1.}{2.}$		3/4					230	80	710		3 hours	
3.		+										
4.								<del> </del>	<del> </del>	<del> </del>	<u> </u>	
5.	<del></del>	<u> </u>										
<del></del>					;	FLOW CAL	CULATION	S				
<b>N</b> Y	Coeffici	lent		Pr	essure				Compre	ss.	Rate of Flow	
NO.	No. $(24-\text{Hour})$ $\sqrt{h_{W}p_{f}}$		-	Factor		tor	Factor	Facto	r I	Q-MCFPD 15.025 psia		
7			f	psia	Ft		Fg	Fpv				
1. 2. 3. 4. 5.	12.3650				343	0.981	3	0.9608	1.021		2,880	
3.				<del> </del>		<del></del>						
4.											<del></del>	
					PRE	ESSURE CA	LCUIATIO	)NS				
Tas 1	Liquid Hydro	oombon 1	Dadd.									
Grav:	ity of Liqui	d Hydro	carbor	າຣ		cf/bbl.		Speci	fic Gravit	y Sepai	rator Gas	
Fc			(1-	-e <sup>-s</sup> )				P	fic Gravit	<b>~</b> 2		
								<u> </u>	2100	- 0	443,664	
	$P_{\mathbf{W}}$	2	1	T	_	7				7		
No.	D. ()	$P_{\mathbf{t}}^2$	F <sub>c</sub> Q		$(F_cQ)^2$	(F <sub>c</sub>	Q) <sup>2</sup> e <sup>-s</sup> )	P. 2	$P_c^2 - P_w^2$	Cal	Le P.	
h	Pt (psia)	<del></del>	ļ 			(1-	e <sup>-8</sup> )			Р,	P <sub>w</sub>	
1. 2. 3. 4.	722		<del> </del>				50	21,284	3,922,380			
3.										<del> </del>	<del>-    </del>	
5.		<del></del> _	<del> </del>		·	4						
	lute Parant		<u> </u>									
COMP	Absolute Potential: 3,162.2 MCFPD; n 0.75 (1.0980)											
	ADDRESS											
	AGENT and TITLE WITNESSED											
COMP						<del></del>				JUN27	1961	
	REMARKS											

## 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<sub>W</sub>). MCF/da. @ 15.025 psia and 600 F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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.
- $h_{\mathbf{w}}$ 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  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .