## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

				MULT	'I-POINT E	ACK PRES	ssure te:	ST FOR GA	S WELLS		Revised 12-1-5	55	
Poo	ol <u>DAKOTA</u> Formation <u>DAKOTA</u>								County SAN JIAN				
										5-30-62			
							Well No. 66						
											Gas Co.		
											5192		
							_				5180		
											ess		
												_	
							Sir	Type Well <b>Single - Gas</b> ingle-Bradenhead-G. G. or G.O. Dual Reservoir Temp.				_	
				<u> </u>	r dono		ED DATA		o11 10mb.			_	
Test	ted Through	(Dage	······· ((	Choko	) <del>(*********</del> )		DD DRIK		M Mo	_			
	ted Through						T					_	
	(Prover)	(Che	Flow Da	Pres		Temp.	Press.		Casing D	Temp.	Duration		
No.	(Line) Size	(Ori	fice) ize	psi	g h <sub>w</sub>	o <sub>F</sub> .	psig	o <sub>F</sub> .	psig	o <sub>F</sub> .	of Flow Hr.		
SI 1. 2. 3.		.75					1692		2008			$\exists$	
2.							496 468		1479			╛	
<u>3.</u> 4.		<u> </u>					1+22	80	1172		3 Hours	$\dashv$	
<u>4.</u> 5.									Ĭ			ゴ	
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No.	Coefficient			Pressur			Temp. Gravity tor Factor		•		Rate of Flow Q-MCFPD		
<u>_</u>	(24-Hou	r)	$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$		psia	Ft		Fg	Fpv		@ 15.025 psia		
1. 2. 3. 4.	12.365				+3+	<del>•9813</del>		1.0	1.031		5+29		
3. 4.												$\exists$	
5.												J	
					PRI	essure c	alcui <b>ati</b>	ONS					
	iquid Hydro					cf/bbl.					rator Gas	_	
	ty of Liqui			ons L-e <sup>-s</sup> )	)	deg.			fic Gravit	ty Flow P2	ring Fluid	_	
<b></b>				-			•	C	#** <u>**********************************</u>			_	
No.	$P_{\mathbf{W}}$	Pt	2 6	0	$(F_cQ)^2$	(2	732	ъ о	$P_c^2 - P_w^2$	0-	, ,	٦	
	Pt (psia)	- t	Fc	·*	(FCA)	(1)	္ရ)်ိ -e-s)	P <sub>w</sub> 2	Pc-Pw	Ca P	$\frac{P_{\mathbf{W}}}{P_{\mathbf{C}}}$		
2.								TRATE	2678			7	
1. 2. 3. 4.												7	
5.										<u> </u>			
Abso	PANY					_MCFPD;	n	75					
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COMP	ANY					DEW	ARKS		IN	196		_	

## 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
- 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.
- $h_{\mathbf{W}}^{\perp}$  Differential meter pressure, inches water.
- $F_g$ : Gravity correction factor.
- $Ft_{-}$  Flowing temperature correction factor.
- F<sub>nv</sub> 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  $P_{\rm t}$ .