## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

T.TT_POINT B	ACK	PRESSURE	<b>ም</b> ድናጥ	FOR	GAS	WELLS	Revised	12-1-55
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Pool	Maneo He	Formation Messyards County						_County_	San Ja		
Initial Annual Special Date of Test							Test_1	-21-57			
	any <b>Mack</b>										
	: <u>H</u> S										
	ing 5-1/2* W										
	ing <b>2-3/8</b> " W		_								
	Pay: From_			_							
	lucing Thru:										
Date	e of Complet	ion:	11-5	-57	Packe	r	Sin	gle-Brade Reservo	enhead-G. oir Temp	G. or 0	3.0. Dual
	-			<u> </u>			ED DATA				
Test	ed Through	(2252	<u>(</u>	Choke)					Type Tap	s	
		F	Low Da	ata				Data			
	(Prover)	(Chol	ke)	Press.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow
No.	(Line) Size	Siz	rce)	psig	h <sub>w</sub>	o <sub>F</sub> .	psig	°F.	psig	<sup>⊃</sup> F.	Hr.
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<u>4.</u> 5.											
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No.	Coeffici	-			essure	Flow Fac	tor	Gravity Factor	Compre	r	Rate of Flow Q-MCFPD
		r) -	$V^{h_{\mathbf{W}}}$			F	t	F <sub>g</sub>	Fpv		@ 15.025 psia
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3										-	
4.											
5.											
	Liquid Hydro				PR	cf/bbl.		Spec			arator Gas wing Fluid
	ity of Liqui			ons 1-e <sup>-s</sup> )		deg.		P <sub>c</sub>	1121.5	Pc	1258
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No.	P <sub>w</sub> Pt (psia)	Pt2	F	<sub>c</sub> Q	$(F_cQ)^2$	(F	(cQ) <sup>2</sup> (-e <sup>-s</sup> )	$P_w^2$	$P_c^2 - P_w^2$	Ca 1	Pw Pc
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JOHN.			_			REM	IARKS				CON. COM. DIST. 3

## 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 ( $P_{\rm W}$ ). 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.
- $h_{\ensuremath{\text{W}}}\xspace^-$  Differential meter pressure, inches water.
- $F_g = Gravity$  correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{DV}^{-1}$  Supercompressability factor.
- n \_ Slope of back pressure curve.
- Note: If  $P_{\mathbf{W}}$  cannot be taken because of manner of completion or condition of well, then  $P_{\mathbf{W}}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\mathbf{t}}$ .

JIL CONSERVATION	DN COMM	551011
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