## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Poo]	Blanco Me	saverde	<u> </u>	Fc	Formation Mesaverde				County Rio Arriba				
Init	ial <u>After v</u>	orkover	_Annua	al		Spec	ial		Date of	Test_	3-1-66		
Company Blackwood & Nichols Lease Northeast Blanco Unit Well No. 15													
Unit	<u> </u>	Sec	2 Twp		Rg_Rg	e. <u>7w</u>	Purc	haser <u>E</u>	l Paso Na	tural Ge	s Compa	ny	
Casi	ng 41/2" V	Wt. 10.	<b>50#</b> I	D.4.05	<b>2"</b> Se	t at <u>56</u>	<b>40'</b> Pe	rf. <u>516</u>	51	_To <b>56</b> ]	181		
Tubi	ng 2 3/8" V	Vt. 4.7	<u>#_</u> I.	D. 1.99	5n Se	t at <b>5</b> 5	<b>701</b> Pe	rf• <u>553</u>	51	To 554	<b>:1</b> 1		
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Date	ucing Thru:	cion:	7-25-	66	Packe:	r	Sin	gle-Brade Reserve	enhead-G.	G. or G	.O. Dua	ī	
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	ed Infough				ALEXET)		m 1 +		Type Tar				
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No.	(Line) Size	(Orifi Siz	ice)	psig	h	$\circ_{\mathtt{F}}.$	psig	° <sub>F</sub> .	psig	<sup>ير</sup> ا	C.	f Flow	
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4. 5.													
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5.					<del></del>								
					PRE	SSURE CA	LCULATIO	ns					
as Li	iquid Hydro	carbon	Ratio			cf/bbl.		Speci	fic Gravi	tv Sepai	rator Ga	ıs	
ravity of Liquid Hydrocarbons							_deg. Specific Gr			avity Flowing Fluid_			
			(1	-e <sup>-s</sup> )				P <sub>c</sub>	396.5	_Pc <b>E</b>	03		
		_	_										
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10.	Pt (psia)	$P_{\mathbf{t}}^{2}$	Fc	۱ ا	$(F_cQ)^2$	(Fo	Q) <sup>2</sup> -e <sup>-s</sup> )	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Cal	L. I	<b></b> C	
•	-0 (F)					-\\-	<u> </u>	586	217	· · · · · · · · · · · · · · · · · · ·	.8		
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COMPANY											AUG'S COM		
REMARKS										) OIL	AUG 3 1966  OIL COM. COM.		

## 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  $\equiv$  Actual rate of flow at end of flow period at W. H. working pressure (P<sub>W</sub>). MCF/da. @ 15.025 psia and 60° F.
- $P_c$  72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwI Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- $P_t$  Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{pv}$  Supercompressability factor.
- 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  $P_{+}$ .