

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-25-87			
Company Blackwood & Nichols Co., Ltd.				Connection Northwest Pipeline					
Pool Basin Dakota				Formation Dakota				Unit Northeast Blanco	
Completion Date 10-31-87		Total Depth 8006		Plug Back TD 7954		Elevation 6347'		Farm or Lease Name Northeast Blanco Unit	
Csg. Size 7.00"	Wt. 23.0	d 6.366	Set At 3606'	Perforations: From To		Well No. 304 DK			
Thq. Size 2.375	Wt. 4.70	d 1.995	Set At 7862	Perforations: From 7805 To 7815		Unit Sec. Twp. Rge. M 30 31 6			
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Dual Gas - PC & Dakota				Packer Set At 3410'		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g 12.0 psi		State New Mexico	
L 7805	H	G _g 0.65	% CO ₂	% N ₂	% H ₂ S	Prover 3/4"	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							2490			
1.	3/4" Choke						95	66°		
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		107	.9943	1.004	--	1321
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 2502	P _c ² 6,260,004	
NO	P _t ²	P _w
1	11,449	235
2		
3		
4		
5		

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0089$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0067$
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,330$	

Absolute Open Flow 1,330 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n 0.75
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Remarks: *4 1/2" 11.6# Liner from 3448 to 8006'

Approved By Commission:	Conducted By: Butch Powell	Calculated By: Bill Clark	Checked By: <i>[Signature]</i> 12/3/87
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