

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-3-85		OCT 08 1985	
Company Blackwood & Nichols Co., Ltd.			Connection EPNG Northwest Pipeline Company		
Pool Blanco Mesaverde			Formation Mesaverde		Unit Northeast Blanco Unit.
Completion Date 8-27-85		Total Depth 5830'	Plug Back TD 5780'	Elevation 6231'	Farm or Lease Name Northeast Blanco Unit
Csg. Size 7.000	Wt. 23.0	d 6.366	Set At 3463	Perforations: * From 5092' To 5696'	Well No. 7R
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5687'	Perforations: From To	Unit Sec. Twp. Rge. H 21 30N 7W
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single				Packer Set At ----	County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F #	Mean Annual Temp. °F	Baro. Press. - P _g 12.0	State New Mexico
L.	H	Gg 0.67	% 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.		Temp. °F
SI							340		545		
1.	3/4" choke						145	40	505		3 hrs.
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		157	1.0198	.9463	1.017	1,905
2.							
3.							
4.							
5.							

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

P _c 557 P _c ² 310,249			
NO.	P _i ²	P _w	P _w ²
1	24,649	517	267,289
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.2218$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,392$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.4054$

Absolute Open Flow 8,392	Mcf/d @ 15.025	Angle of Slope θ _____	Slope, n 0.75
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Remarks: * 4 1/2" 10.5# Liner @3300 - 5830'

Approved By Commission:	Conducted By: P. Mangum	Calculated By: W. F. Clark	Checked By: 9-12-85
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