

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 7-14-76	
Company Blackwood & Nichols Co.				Connection Not Connected		
Pool Chacra				Formation Mesaverde		Unit
Completion Date 7-11-76		Total Depth 4278'		Plug Back TD 4278'		Elevation 6073 GL
Farm or Lease Name Northeast Blanco Unit						Well No. 105A
Csg. Size 4.5"	Wt. 10.50#	d 4.05	Set At 4252'	Perforations: From None To		
Thg. Size 2-3/8"	Wt. 4.7#	d 1.995	Set At 4248'	Perforations: From 4240' To 4245'		Unit Sec. Twp. Rge. P 24 30N 8W
Type Well - Single - Double Triple Multiple Single				Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover 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							640		640		
1.	2"		3/4"	250			250		545		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 Ft.	Gravity Factor	Super Compress. Factor F _{sp}	Rate of Flow Q, Mcfd
1	12.365		262				3240
2.							
3.							
4.							
5.							

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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	

NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	652			
2				
3				
4				
5				

P_c 652 P_c² 425104

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{425104}{425104 - 310249}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \left[\frac{425104}{425104 - 310249} \right]^{2.6677}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 9900 \text{ MCF}$

Absolute Open Flow 9900 MCF		Mcf @ 15.025	Angle of Slope °	Slope, n .75
Remarks:				

Approved By Commission:	Conducted By: <i>B. Loos</i>	Calculated By:	Checked By:
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