

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

Form C-122  
Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special						Test Date 12/31/85					
Company Blackwood & Nichols Co., Ltd.				Connection Northwest Pipeline							
Pool S. Los Pinos				Formation Fruitland-Pictured Cliffs				Unit Northeast Blanco			
Completion Date 8-18-85		Total Depth 3515'		Plug Back TD 3470'		Elevation 6375'		Farm or Lease Name Northeast Blanco			
Csq. Size 4.500	Wt. 10.5#	d 4.052	Set At	Perforations: From 3326'      To 3412'				Well No. 216			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At	Perforations: From      To				Unit I	Soc. 27	Twp. 31N	Rge. 7W
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan			
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P <sub>a</sub> 12.0		State New Mexico			
L	H	G <sub>g</sub> 0.65	% CO <sub>2</sub>	% N <sub>2</sub>	% H <sub>2</sub> 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 <sub>w</sub>	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	Date 12/23/85						1397		1400		7 days
1.	3/4" choke						5		1210		3 hrs.
2.											
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P <sub>m</sub>	Flow Temp. Factor Ft.	Gravity Factor F <sub>g</sub>	Super Compress. Factor, F <sub>pv</sub>	Rate of Flow Q, Mcfd				
1.	12.365		17		.9608		202				
2.											
3.											
4.											
5.											
NO.	P <sub>r</sub>	Temp. °R	T <sub>r</sub>	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A.      _____ P.S.I.A. Critical Temperature _____ R      _____ R						
1.					JAN 1 1986 OIL CONSERVATION DIST. 3						
2.											
3.											
4.											
5.											
P <sub>c</sub> 1412      P <sub>c</sub> <sup>2</sup> 1,993,744 NO.      P <sub>t</sub> <sup>2</sup> P <sub>w</sub> P <sub>w</sub> <sup>2</sup> P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9838$ (2) $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.2378$											
1.					AOF = Q $\left[ \frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 654$						
2.	17	1222	1,493,284	500,460							
3.											
4.											
5.											
Absolute Open Flow 654 Mcfd @ 15.025						Angle of Slope @		Slope, n .85			
Remarks: Well is wet											
Approved By Commission:			Conducted By: William Clark			Calculated By: William F. Clark			Checked By: WFC		