

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

RECEIVED
JUN 07 1988

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-6-88		OIL CON. DIV DIST. 3	
Company Blackwood & Nichols Co., Ltd.				Connection Northwest Pipeline Corporation				
Pool Undesignated Fruitland				Formation Fruitland Coal			Unit Northeast Blanco	
Completion Date 5-6-88		Total Depth 3510'		Plug Back TD 3465'		Elevation 6368'		Farm or Lease Name Northeast Blanco Unit
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3510'	Perforations: From 2980 To 3259		Well No. 211		
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At	Perforations: From To		Unit Sec. Twp. Rye. C 27 31N 7W		
Type Well - Single - Bradenhead - 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 _a 12.0		State New Mexico
L	H	G _g 0.65	% 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							260		270		
1.	3/4" Choke						TSTM		270		3 hours
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			TSTM				TSTM
2.							
3.							
4.							
5.							

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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} =$ $AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$	
	1						
	2						
	3						
	4						

Absolute Open Flow TSTM Mcfd @ 15.025		Angle of Slope θ	Slope, n 0.85
Remarks: After Frac Gauge - TSTM			
Test Rate - TSTM			
Approved By Commission:	Conducted By:	Calculated By: W. F. Clark	Checked By: <i>[Signature]</i>