

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 11-16-87	
Company Blackwood & Nichols Co., Ltd.				Connection Northwest Pipeline			
Pool Undesignated P.C.				Formation Pictured Cliffs		Unit Northeast Blanco	
Completion Date 10-31-87		Total Depth 8006'		Plug Back TD 7954		Elevation 6347'	
Farm or Lease Name Northeast Blanco Unit		Well No. 304 PC		Csg. Size 7.00"		Wt. 23.0	
Perforations: From 3290 To 3377		Set At 3606'		d 6.366		Thq. Size 2.063	
Perforations: From To		Set At 3358		d 1.751		Wt. 3.25	
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 110 @ 3600'		Mean Annual Temp. °F		Baro. Press. - P _a 12.0 psi	
State New Mexico		Prover 3/4"		% H ₂ S		% N ₂	
Meter Run		Taps		% CO ₂		G _g 0.65	
L 3358		H		G _g		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							1530		1490	
1.	3/4" Choke						550	56°	1135	
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		562	1.0039	.9608	1.057	7,085
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 Hydrocarbon	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	315,844	1147	1,315,609	1,062,9	2.2386	1.9837
2						
3						
4						
5						

Absolute Open Flow 14,055 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n 0.85

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> 11/18/87
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