

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

Form C-127
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 11-13-81		1982 DIST. 3	
Company Northwest Pipeline Corporation				Connection New Completion					
Pool Blanco				Formation Mesa Verde				Unit Rosa	
Completion Date 11-03-81		Total Depth 5840'		Plug Back TD 5810'		Elevation 6335'		Farm or Lease Name Rosa Unit	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5840'	Perforations: From 5321' To 5676'		Well No. #88 MV			
Tpg. Size 2.375	Wt. 4.7	d 1.995	Set At 5619'	Perforations: From To		Unit E	Sec. 8	Twp. 31N	Rge. 6W
Type Well - Single - Bronthead - G.G. or G.O. Multiple Gas - Multiple Completion						Packer Set At 3520'		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 58		Mean Annual Temp. °F 58		Baro. Press. - P _a 12.0		State New Mexico	
L	H	Gg est. 580	% CO ₂	% N ₂	% H ₂ S	Prover positive choke		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	
1.	2"	X	.750	217		65°	217		Packer		SIP
2.									Calc.		3 hrs.
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	9.604		229	.995	1.313	1.017	2922
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 _____ 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

P _c 1181	P _c ² 1394761			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		460	211600	1183161
2		(Calc.)		
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1788$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3306$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1314$

Absolute Open Flow 3306	Mcf @ 15.025	Angle of Slope @	Slope, n .75
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Produced light mist of water throughout test. GT: 3259 .211 754746 159251 52441 211692 460 PSIA	Vented 413 MCF. R ² P _t ² P _t ² + R ² Calc. P _w
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Approved By Commission:	Conducted By: Fred S. Hamrick	Calculated By: B. J. Broughton	Checked By: BJB
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