

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 7/22/85	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Basin				Formation Dakota	
Completion Date 2/01/85		Total Depth 8029'		Plug Back TD 7970'	
				Elevation 6179' GR	
Farm or Lease Name Rosa Unit				Well No. #107 (DK)	
Csg. Size 4.500	Wt. 11.6	d 4.052	Set At 8025'	Perforations: From 7748' To 7852'	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 7865'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual				Packer Set At 7206'	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12.0	
				Baro. Press. - P _a New Mexico	
L	H	G _g Est. .590	% CO ₂	% N ₂	% H ₂ S
				Positive Choke	
FLOW DATA				TUBING DATA	
CASING DATA				Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
SI	SIP				
1.	2" X		.750"		76°
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 F _g
1	9.604		84	.985	1.302
2.					
3.					
4.					
5.					
NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio
1.					A.P.I. Gravity of Liquid Hydrocarbon
2.					Specific Gravity Separator Gas
3.					Specific Gravity Flowing Fluid
4.					Critical Pressure P.S.I.A.
5.					Critical Temperature R
AUG 05 1985 OIL CON. DIV. DIST. 9					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0060$
1		185	34225	5687439	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0045$
2		(Calc.)			
3					
4					
5					
Absolute Open Flow 1045 Mcfd @ 15.025				Angle of Slope θ	
				Slope, n .75	
Remarks: Logged in 3 mins., unloaded for 10 mins., blew to a heavy mist remainder of test.					
GI i-e-s FCO ² R ² Pt ² R ² + Pt ² Calc. Pw Vented 130 MC					
4640 .286 95611 27345 7056 34401 185 psia					
Approved By Commission:		Conducted By:		Calculated By:	
		Chik Charley		S.K. Liese	
				Checked By: M.J. Turnbaugh	

skl