

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 5/01/86	
Company Northwest Pipeline Corporation				Connection New Completion	
Pool Undesignated				Formation Gallup	
Completion Date 7/14/85		Total Depth 8550'		Plug Back TD 8500'	
Elevation 6780' GR		Form of Lease Name Rosa Unit			
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8550'	Perforations: From 7320' To 7680'	
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 8334'	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Dual				Packer Set At 7840'	
Producing Thru Annulus		Reservoir Temp. °F #		Mean Annual Temp. °F	
Baro. Press. - P _a 12.0		State New Mexico			
L	H	G _g Est. .590	% CO ₂	% N ₂	% H ₂ S
				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.	
SI	SIP						2254		2809	
1.	2"	X	.750"					54 ⁰	* 87	54 ⁰
2.										
3.									* Annular	Flow
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.604		99	1.006	1.302	1.006	1253
2.							
3.							
4.							
5.							

NO.	P _t	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 2821	P _c ² 7958041	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0021$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0016$
NO.	P _t ²	P _w	R _w ²
1		130	16900
2		(Calc.)	
3			
4			
5			

Absolute Open Flow 1255 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: Well unloaded light fog after 45 minutes of test. Vented 157 MCF.					
G _l	i-e-s	FcQ ²	R ²	Pt ²	R ² +Pt ²
4319	.270	26328	7108	9801	16909
Approved By Commission:		Conducted By: John Wright		Calculated By: S.K. Liese	
				Checked By: M.J. Turnbaugh	

SKT