

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 11/15/77			
Company AMOCO PRODUCTION COMPANY				Connection NORTHWEST PIPELINE CORPORATION					
Pool BASIN				Formation DAKOTA				Unit	
Completion Date 11/15/77		Total Depth 8350		Plug Back TD 8309		Elevation 6533 GL		Farm or Lease Name ROSA UNIT	
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8361	Perforations: From 8090 To 8288		Well No. 63			
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 8257	Perforations: From Open To Ended		Unit G	Sec. 30	Twp. 31	Rye. 4
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 7912		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg .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	7 days						887				
1.							850				3 hrs.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	Stabalized Flow With 300# Back Pressure						225
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 899	P _c ² 808201	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{9.6214}$	$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{5.4630}$
NO.	P _t ²	P _w	P _w ²
1		851	724201
2			
3			
4			
5			

Absolute Open Flow 1229 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
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Remarks: **Stabalized Flow With 300# Back Pressure**
Used C-122-A For Calculation Of Pw.

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: TMO/WRB	Checked By: J. L. Krupka
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