

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 05 16 80	
Company AMOCO PRODUCTION CO.				Connection NORTHWEST PIPELINE CORP.		
Pool BASIN				Formation DAKOTA		Unit
Completion Date 05 08 80		Total Depth 8132		Plug Back TD 8094		Elevation 6311 GL
Farm or Lease Name ROSA UNIT						
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 8129	Perforations: From 7864 To 8037		Well No. 68
Thg. Size 2.375	Wt. 4.7	d 1.995	Set At 8000	Perforations: From open To ended		Unit Sec. Twp Rge. L 17 13N 5W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		County RIO ARRIBA
Producing Thru TUBING		Reservoir Temp. °F 6		Mean Annual Temp. °F		State NEW MEXICO
L	H	Gg	% 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						2450		2460		3 hrs
1.	2.375	.750					462		1148		
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	12.365		474	1.000	.9258	1.061	5757
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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	2472	6110784	1160	1345600	4765184
2.					
3.					
4.					
5.					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{\underline{1.2824}}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{6938}}$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{1.2051}}$

Absolute Open Flow	6938	Mcf/d @ 15.025	Angle of Slope θ	.75
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Remarks: _____

Approved By Commission:	Conducted By: JJB	Calculated By: J J BARNETT	Checked By: R. A. DOLNEY
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