

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 9-1-78					
Company Amoco Production Company						Connection					
Pool Basin Dakota						Formation					
Completion Date 8-25-78			Total Depth 8038		Plug Back TD 8030		Elevation 6295		Farm or Lease Name Rosa Unit		
Csg. Size 4.500		Wt. 11.6		d 4.000		Set At 8037		Perforations: From 7874 To 8017		Well No. 65	
Thg. Size 2.375		Wt. 4.7		d 1.995		Set At 8010		Perforations: From Open To Ended		Unit Sec. Twp. Rge. A 17 31 5	
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		Baro. Press. - P _g		State New Mexico		
L		H		Gg .70		% 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						2624		2625		
1.	2.375		0.750				250	60	1100		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	12.365		262	1.000	.9258	1.032	3095
2							
3							
4							
5							

NO.	P _f	Temp. °R	T _f	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 2637		P _c ² 6953769	
NO.	P _t ²	P _w	P _w ²
1		1112	1236544
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.2163$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3585$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1582$$

Absolute Open Flow 3585 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By: TMO	
				Checked By: <i>[Signature]</i>	