

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 7-23-72	
Company AMOCO PRODUCTION COMPANY				Connection None	
Pool Blanco				Formation Pictured Cliffs	
Completion Date 7-16-72		Total Depth 2265		Plug Back TD 2191	
Elevation 5584 GR		Farm or Lease Name Archuleta Gas Com "A"			
Csg. Size 4-1/2	Wt. 9.5	d 4.090	Set At 2253	Perforations: From 2124 To 2166	
Thg. Size 1-1/4	Wt. 2.33	d 1.300	Set At 2168	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Thg.		Reservoir Temp. °F 60° Est.		Baro. Press. - P _g 12 PSIA Est.	
State New Mexico		County San Juan			
L	H	G _g .650	% 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	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Day					1011		1010	
1.	2-Inch	.750				164	60°	391	
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		176	1.000	.9608	1.016	2124
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	
2					Specific Gravity Separator Gas	
3					Specific Gravity Flowing Fluid	
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

$P_c = 1023$ $P_c^2 = 1046529$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.532$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.437$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		603	363609	682920			
2							
3							
4							
5							

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3052$			
Absolute Open Flow 3050		Mcf/d @ 15.025	Angle of Slope @
			Slope, n .85

Remarks:			
Approved By Commission:	Conducted By: B. D. Dukas	Calculated By: P. C. Ellison	Checked By: J. A. Snell