

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 5-27-77	
Company AMOCO PRODUCTION COMPANY				Connection El Paso Natural Gas Co.			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 5-20-77		Total Depth 5375		Plug Back TD 5338		Elevation 5975 GL	
Farm or Lease Name Keys Gas Com "A"							
Csg. Size 7.000	Wt. 23.	d 6366	Set At 3200	Perforations: From 4351 To 5296		Well No. 1-A	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5282	Perforations: From Open To Ended		Unit Sec. Twp. Rge. C 27 32 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		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.	
SI	7 days						861		914	
1.	2.375"		.750				200		685	
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		212	1.000	.9608	1.021	2572
2.							
3.							
4.							
5.							

NO.	P _r	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 926	P _c ² 857,476			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.3071}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.8720}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		697	485,809	371,667	
2					
3					
4					
5					

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{4815}$$

$$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.8720}$$

Absolute Open Flow 4815	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: **4.500" 10.5# liner set 3013-5375'**

Approved By Commission:	Conducted By: O. N. Thurston	Calculated By: T.M. Oliver/W.R. Cordill	Checked By: H. D. Montgomery
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