

**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 08 20 80			
Company AMOCO PRODUCTION CO.				Connection EL PASO NATURAL GAS CO.					
Pool BLANCO				Formation PICTURED CLIFF				Unit	
Completion Date 08 01 80		Total Depth 2745		Plug Back TD 2683		Elevation 5932 GL		Farm or Lease Name A L ELLIOTT B	
Csq. Size 4.500	Wt. 9.5	d 4.090	Set At 2745	Perforations: From 2376 To 2506		Well No. No. 8			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 2660	Perforations: From 2545 To 2658		Unit G 10 29 9			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple DUAL						Packer Set At 2526		County SAN JUAN	
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		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	10 days						835				
1.	2.375	.750					155	60			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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		167	1.000	.9608	1.016	2016
2.							
3.							
4.							
5.							

NO.	P _t	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 _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 847	P _e ² 717409			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		262	68644	648765
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1058$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0892$

AOI = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2196$

Absolute Open Flow	2196	Mcf @ 15.025	Angle of Slope α	Slope, n	85
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Remarks:

Approved By Commission	Conducted By JJB	Calculated By J J BARNETT	Checked By W L PETERSON
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