

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 1/26/78	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Blanco				Formation Mesaverde	
Completion Date 1-19-78		Total Depth 5151		Plug Back TD 5105	
Elevation 5845		Farm or Lease Name Marcotte Gas Com			
Csg. Size 7.000	Wt. 23	d 6.366	Set At 3068	Perforations: From 4154 To 5119	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5075	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F Baro. Press. - P_a	
L		H		County San Juan	
Gg .65		% CO ₂		% N ₂	
% H ₂ S		Prover		State New Mexico	
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						525		629		3 hrs.
1.	2.375	0.750					120	60	450		
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	12.365		132	1.000	.9608	1.012	1587
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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²
1		462	213444	197437
2				
3				
4				
5				

P_c **641** P_c² **410881**

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.0811}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.7327}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2750}$

Absolute Open Flow 2750 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____	
Remarks: 4.5" 10.5# Liner Set @ 2869' - 5151'					
Approved By Commission:		Conducted By: T. M. Oliver		Calculated By: TMO/PCE	
				Checked By: J. L. Krupka	