

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 1/18/78			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 1-10-78		Total Depth 5358		Plug Back TD 5327		Elevation 5995		Farm or Lease Name Martinez Gas Com "A"	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 3170	Perforations: From 4333 To 5200		Well No. 1A			
Tbg. Size 2.375	Wt. 47	d 1.995	Set At 5160	Perforations: From Open To Ended		Unit J	Sec. 32	Twp. 32	Rge. 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _g		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	8 days						666		669	
1.	2.375	0.750					205	60	510	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		217	1.000	.9608	1.021	2632
2.							
3.							
4.							
5.							

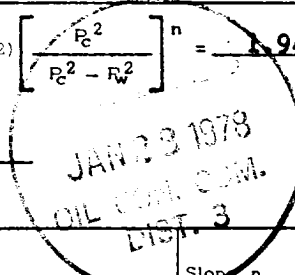
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.				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

P _c 681	P _c ² 463761			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		522	272484	191277
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.4246}{1} = 2.4246$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5114$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9430$$



Absolute Open Flow 5114 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: 4.5" 10.5# Liner Set @ 2964' - 5358'		

Approved By Commission:	Conducted By: T. M. Oliver	Calculated By: TMO/WRB	Checked By: <i>J. L. Krupka</i>
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