

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL**

Form C-122
Revised 9-1-67

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 2/21/78	
Company Amoco Production Company			Connection El Paso Natural Gas Company		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 2/14/78		Total Depth 5101	Plug Back TD 5057		Elevation 6099
Farm or Lease Name State Gas Com "M"			Well No. 1A		
Cng. Size 7.000	Wt. 20	d 6.456	Set At 2811	Perforations: From 4223 To 4984	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4981	Perforations: From Open To Ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single			Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 0	Mean Annual Temp. °F	Baro. Press. - P _a	State New Mexico
L	H	G _g .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						450		803	
1.	2.375	0.750					100	60	460	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		112	1.000	.9608	1.010	1344
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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.5047$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.9586$
1		472	222784	441441		
2						
3						
4						
5						

AOF = Q · $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1826$

Absolute Open Flow 1826 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: **4.5" 10.5# Liner Set @ 2589' - 5094'**

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