

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 3-5-77			
Company AMOCO PRODUCTION CO.				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 3-5-77		Total Depth 4704		Plug Back TD 4652		Elevation 5580 GL		Farm or Lease Name Archuleta Gas Com "A"	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 2492	Perforations: From 3680 To 4610		Well No. 1-A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 4539	Perforations: From Open To Ended		Unit J	Sec. 5	Twp. 29	Rge. 9
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		Baro. Press. - P _a		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 days						582		716		
1.	2.375		.750				170		530		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		182	1.000	.9608	1.015	2195
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
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.
5.					Critical Temperature	R

P _c	728	P _c ²	529,984
NO.	P _t ²	P _w	P _w ²
1		542	293,764
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2436$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4024$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8332$

Absolute Open Flow	4024	Mcf/d @ 15.025	Angle of Slope θ	.75	Slope, n	.75
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Remarks: **4.500" liner set 2315-4700'**

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