

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

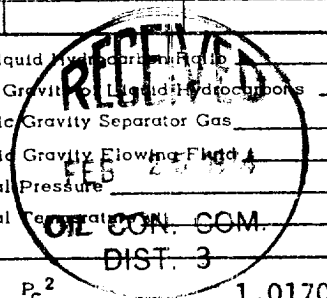
Form C-122
 Revised 9-1-65

Type Test ☐ Initial ☐ Annual ☒ Special				Test Date 1-29-74	
Company Continental Oil Company				Connection Unconnected	
Pool South Blanco				Formation Pictured Cliffs	
Completion Date		Total Depth 5950' KB		Plug Back TD 3510' KB	
				Elevation 6875' KB 6863' GR	
Farm or Lease Name AXI Apache "O"					
Csg. Size 4,500	Wt. 10.5	d 4.052	Set At 5950' KB	Perforations: From 3469' To 3480' KB	
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 3479' KB	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				Baro. Press. - P ₂ 12.2	
Reservoir Temp. °F @				State New Mexico	
L 3467	H 3467	Gg .680	% CO ₂ ---	% N ₂ ---	% H ₂ S ---
				Choke Choke	Nipple Nipple

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							1015		1015		SI-8 Days
1.	3/4" Choke Nipple			62	----	62	62	62	121	62	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	9.604	-----	74.2	.9981	1.213	1.008	870
2.							
3.							
4.							
5.							

NO.	P ₂	Temp. °R	T ₂	Z	Gas Liquid	_____ Mcf/bbl.
1.	.115	522	1.356	.985	A.P.I. Gravity	_____ Deg.
2.					Specific Gravity Separator Gas	.680
3.					Specific Gravity Flowing Fluid	.680
4.					Critical Pressure	669 P.S.I.A.
5.					Critical Temperature	385 P.S.I.A.



NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	5.505	133.2	17.742	1037.3
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0170$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 883$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0144$

Absolute Open Flow	883	Mcf/d @ 15.025	Angle of Slope θ	.85	Slope, n
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Remarks: _____

Approved By Commission:	Conducted By: E. B. Errett	Calculated By: E. B. Errett	Checked By:
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