

**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 7-29-77	
Company Continental Oil Co.				Connection None		
Pool South Blanco				Formation Pictured Cliffs		Unit
Completion Date 7-20-77		Total Depth 3550		Plug Back TD		Elevation 6965
Farm or Lease Name AXI Apache 'O'		Well No. 12				
Csg. Size 2 7/8	Wt. 6.50	d	Set At 3524	Perforations: From 3380 To 3428		
Tbg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. Rge. L 4 25N 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At		County Rio Arriba
Producing Thru		Reservoir Temp. °F 102° 3350		Mean Annual Temp. °F 50°		State N.M.
Baro. Press. - P _a 12.2						
L 3404	H 3404	Gg .69	% 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.		Temp. °F
SI									984	80°	
1.	3/4" choke nipple			426		55°			426	55°	3hr.
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	11.00		438	1.005	1.204		5,830
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 _____ 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 996	P _c ² 992016			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		596	354844	637172
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.557$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,494$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.457$

Absolute Open Flow 8494	Mcfd @ 15.025	Angle of Slope @	Slope, n .85
Remarks:			

Approved By Commission:	Conducted By: F.T. Chavez	Calculated By: F.T. Chavez	Checked By:
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NMOCC-AZTEC (2) - USGS-DURANGO (2) - BEA-FILE

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