

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 7-19-77	
Company Continental Oil Co.			Connection None			
Pool Blanco			Formation P.C.			
Completion Date 6-29-77		Total Depth 3895		Plug Back TD 3828		
Elevation 7268		Farm or Lease Name Axt Apache "O"				
Csq. Size 2 7/8	Wt. .	d .	Set At 38	Perforations: From 3780 To 3772		
Tbg. Size .	Wt. .	d .	Set At .	Perforations: From . To .		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At .		
Producing Thru Csq		Reservoir Temp. °F 100 @ 3770		Mean Annual Temp. °F 50°		
Baro. Press. - P _a 12.2		State N.M.				
L 3776	H 3776	G _g .60	% 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									5.84	78°
1.	7/8" choke nipple		43			62			43	52
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, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		55	.9921	1.234	1.021	727
2.							
3.							
4.							
5.							

NO.	P _r	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

$P_c = 996$ $P_c^2 = 992,016$				
NO.	P _i ²	P _w	R _w ²	P _i ² - P _w ²
1		77	5929	986037
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.01$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 734$

(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.01$

Absolute Open Flow	734	Mcf @ 15.025	Angle of Slope θ	Slope, in	.85
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Remarks: _____

Approved By Commission:	Conducted By: F. T. Chavez	Calculated By: F. T. Chavez	Checked By:
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11-11-11-11 - AT TEC (2) - BEA - FILE