

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 12-3-71	
Company Continental Oil Company				Connection Unconnected		
Pool Otero				Formation Chacra		Unit
Completion Date		Total Depth		Plug Back TD	Elevation	Farm or Lease Name AXI Apache "J"
Csg. Size	Wt.	d	Set At	Perforations: From 3735' KB To 3754' KB		Well No. 20
Thq. Size 1.660	Wt. 2.40	d 1.380	Set At	Perforations: From To		Unit Sec. Twp. Rge. C 5 25 5
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Gas Dual				Packer Set At 4981' KB		County Rio Arriba
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L 3733	H 3733	Gg .680	% CO ₂ ---	% N ₂ ---	% H ₂ S ---	Taps Choke 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							785	50	785	50	SI 7 Days 3 Hrs
1.	3/4" Choke Nipple			63		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, Fpv	Rate of Flow Q, Mcfd
1	9.604		75.2	1.008	1.213	1.000	883
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	DEQ 20 872 OIL CON. COM. DIST. 3	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
				Specific Gravity Separator Gas _____ X X X X X X X X			
				Specific Gravity Flowing Fluid _____ X X X X X			
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R							

P _c 797.2	P _c ² 635.5	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.2831}{1.2831 - 0.0000} = 1.2831$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.2055}{1.2055 - 0.0000} = 1.2055$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		374.2	140.2	495.3	
2					
3					
4					
5					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1064}{1.2055 - 0.0000} = 1064$

Absolute Open Flow **1064** Mcfd @ 15.025 Angle of Slope θ _____ Slope, n **.75**

Remarks: _____

Approved By Commission:	Conducted By: E. B. Errett	Calculated By: E. B. Errett	Checked By: J. A. Mazza
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