

**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 7/28/78	
Company Continental Oil Company				Connection None		
Pool Gonzales Mesa				Formation Mesa Verde		Unit
Completion Date 7/7/78		Total Depth 5238'		Plug Back TD 5215'		Elevation 6504'
Farm or Lease Name AXI APACHE J		Well No. 30				
Gas Size 4 1/2"	Wt. 12.5	d 4.03	Set At	Perforations: From 4343' To 5153'		Unit Sec. Twp. Rge. A 5 25N 5W
7"	23#	6.34	5238'	Perforations: From down extended.		
2 3/8"	4.7	1.995	5159'			
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single Gas				Packer Set At None		County Rio Arriba
Producing Thru 7/8		Reservoir Temp. °F 80		Baro. Press. - P _a 12.2		State N.M.
5159'	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover
5159'		1.690				Meter Run 4"
						Taps Flange

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							950		1020		
1.	4	X	2	125			125		300		24 hr.
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	19.31	27.25		1.000	1.204		649.9
2.							
3.							
4.							
5.							

NO.	P _i	Temp. °R	T _f	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

NO.	P _i	P _w	P _w ²	P _c ² - P _w ²
1		92.4	8531	1056.493
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.008$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.006$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 654$

Absolute Open Flow	654	Mcfd @ 15.025	Angle of Slope θ	Slope, n
Remarks:				

Approved By Commission:	Conducted By: D.L. Moore	Calculated By: D.L. Moore	Checked By:
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NMCCO, VAITEC (2) - USGS, DURANGO (2) - BEA - FILE