

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-17-76		DEC 7 1976		
Company Maralo, Inc. ✓				Connection None		O. C. C.		
Well Avalon (Morrow)				Formation Morrow		Unit N		
Completion Date 11-11-76		Total Depth 11896		Plug Back TD 11716		Elevation 3229 D. F.		
Well No. 5.50"		Set At 17.00# 4.892"		Perforations From 10867 To 10954		Well No. 1		
Well No. 2.375EUE		Set At 4.70# 1.995"		Perforations From To		Unit Sec. Twp. Rge. N 34 T20S R27E		
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single Completion				Packer Set At 10621		County Eddy		
Producing Time Tubing		Reservoir Temp. °F 165 ° 10910		Mean Annual Temp. °F 60		State New Mexico		
L 10910		H 10910		Gg 0.603		Prover X		
CO ₂ 0.00		N ₂ 0.00		H ₂ S 0.00		Meter Run Taps		
FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	
1	3.00	1.75	400	2.00"	91	2529	49	
2	3.00	1.75	500	4.00"	84	2325	54	
3	3.00	1.75	500	8.00"	80	2114	56	
4	3.00	1.75	500	12.00"	78	1565	56	
5								
RATE OF FLOW CALCULATIONS								
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Ifg	Super. Compens. Factor, Fpv	Rate of Flow Q, Mcd	
1	15.61	28.747	413.20	0.9715	1.2878	1.0310	579	
2	15.61	45.308	513.20	0.9777	1.2878	1.0370	923	
3	15.61	64.075	513.20	0.9813	1.2878	1.1390	1440	
4	15.61	78.475	513.20	0.9831	1.2878	1.0139	1572	
5								
NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio 376167 Mc/Std.			
1	0.62	551	1.54	0.937	A.P.I. Gravity of Liquid Hydrocarbons 56.00 Deg.			
2	0.76	544	1.52	0.924	Specific Gravity Separator Gas 0.603 X X X X X X X X		0.611	
3	0.76	540	1.51	0.924	Specific Gravity Flowing Fluid X X X X X			
4	0.76	538	1.50	0.924	Critical Pressure 671 P.S.I.A.		671 P.S.I.A.	
5					Critical Temperature 358 °R		362 °R	
$P_e = 2798.2$ $P_e^2 = 7830$								
NO.	P _t	P _w	P _e	P _e ² - P _w ²	$(1) \frac{P_e^2}{P_e^2 - P_w^2} = 2.20937$			$(2) \left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^* = 1.77780$
1		2609.1	6807	1023				
2		2435.9	5932	1898				
3		2070.2	4286	3544				
4		1639.4	2688	5142				
5								
Absolute Open Flow 2560 Mcd @ 15.025					Angle of Slope @ 54°		Stress, a .726	
Remarks:								
Approved By Commission		Conducted By		Calculated By		Checked By		