

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		12-16-80							
Company				MESA PETROLEUM CO				Connection				EPNG					
Pool				BASIN DAKOTA				Formation				DAKOTA					
Completion Date				12-16-80				Total Depth				6500.					
Plug Back TD				6454.				Elevation				5695.					
Casing Size				5.500				Set At				6499.					
Perforations:				From 6281.				To 6456.				Well No.		26E			
Thq. Size				2.000				Set At				6284.					
Perforations:				From 0.				To 0.				Unit		36-29N-11W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple				FLOWING				Packer Set At				0.		County		SAN JUAN	
Producing thru				TUBING				Reservoir Temp. °F				158.0 6281.		Mean Annual Temp. °F		60.0	
Baro. Press. - P _a				13.2				State				NEW MEXICO					
L		H		Gg		% CO ₂		% N ₂		% H ₂ S		Prover		Meter Run		Taps	
6281.		6281.		0.686		0.		0.		0.		0.		0.		0.	
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	Press. p.s.i.g.	Temp. °F	Duration of Flow				
SI														168.0			
1.	2.00 X 0.750			28.	0.	53.	28.	53.	0.	0.	0.	0.	3.0				
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	11.22	0.	41.2	1.00088	1.2074	1.0048	569.										
2.																	
3.																	
4.																	
5.																	
NO.	R _g	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio			Mcf/bbl.									
1	0.06	513.	1.33	0.991	A.P.I. Gravity of Liquid Hydrocarbons			Deg.									
2.					Specific Gravity Separator Gas												
3.					Specific Gravity Flowing Fluid												
4.					Critical Pressure												
5.					Critical Temperature												
P _c 965.7				P _c ² 933.													
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0104$				(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0078$								
1	2.	75.	10.	723.													
2																	
3																	
4																	
5																	
Absolute Open Flow 569. Mcfd @ 15.025 Angle of Slope @ 53.1 Slope, n 0.750																	
Remarks:																	
Approved By Commission:				Conducted By: J. Archer				Calculated By: Garrett-AOF Program				Checked By: J C Young					