

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5-27-81	
Company MESA PETROLEUM CO.		Connection EL PASO NATURAL GAS CO.	
Pool BLANCO PICTURED CLIFFS		Formation	
Completion Date 5-27-81		Total Depth 3451.	Plug Back TD 3445.
Elevation 6604.		Farm or Lease Name JOHNS FED	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 3451.
Perforations: From 3194. To 3216.		Well No. 4	
Thq. Size 1.990	Wt. 2.8	d 1.610	Set At 3171.
Perforations: From 0. To 0.		Unit Sec. Twp. R. 18-32N-11W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple FLOWING		Packer Set At 0.	County SAN JUAN
Producing Thru TUBING		Reservoir Temp. °F 112.0 3205.	Mean Annual Temp. °F 60.0
Baro. Press. - P _a 12.2		State NEW MEXICO	
L 3205.	H 3205.	G _g 0.673	% CO ₂ 0.
% N ₂ 0.	% H ₂ S 0.	Prover 0.	Meter Run 0.
Taps 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
SI							890.	72.			168.0
1.	1.61	X	0.750	155.	0.	70.	155.	70.	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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.22	0.	167.2	0.9905	1.2190	1.0169	2304.
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcft/b
1	0.25	530.	1.39	0.967	A.P.I. Gravity of Liquid Hydrocarbons	0.
2.					Specific Gravity Separator Gas	0.673
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	569. P.S.I.A.
5.					Critical Temperature	381. R

P _c 900.9 P _c ² 812.		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.2757$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.270$	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	
1	28.	471.	222.	590.	
2					
3					
4					
5					

Absolute Open Flow 2927 Mcfd @ 15.025		Angle of Slope 0 50.1		Slope, n 0.750	
Remarks:					
Approved By Commission:					
Conducted By: J. L. Archer		Calculated By: Garrett-AOF Program		Checked By:	