

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		11-17-79	
Company				Connection							
Harlan Drilling Co				El Paso Natural Gas Co							
Pool				Formation				Unit			
Fulcher Kutz				Pictured Cliffs							
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name			
11-6-79		1600'		1560'		5376' GL		Hartman			
Csg. Size	Wt.	d	Set At	Perforations:				Well No.			
2.875	6.4	2.441	1590	From 1438 To 1498				1Z			
Tbg. Size	Wt.	d	Set At	Perforations:				Unit Sec. Twp. Rge.			
-	--	-	-	From To				K 31 29N 11W			
Type Well - Single - Blindhead - G.C. or G.O. Multiple						Packer Set At		County			
Single						None		San Juan			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Casing		@				12		New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps			
		0.625									

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	2"		.750						498		
1.									11	59	
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, Mhd
1	12.490		23	1.0010	0.9798	1.003	283
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Lbl.	
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 _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²
1	510		260100		
2					
3					
4					
5					

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0026$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0022$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 284$

Absolute Open Flow _____ Mhd @ 15.025		Angle of Slope @ _____	Slope, n .85
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Remarks:

Approved By Commissioner	Conducted By	Calculated By	Checked By
	H. E. McAnally	H. E. McAnally	