

3-PMOCC 1-Producing Royalties 1-File
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 7-5-78					
Company Producing Royalties				Connection							
Pool Fulcher Kutz				Formation Pictured Cliffs				Unit			
Completion Date 6-27-78		Total Depth 2026'		Plug Back TD 1971'		Elevation 5790'		Farm or Lease Name Payne			
Csg. Size 2-7/8	Wt. 6.5	d	Set At 2010	Perforations: From 1910 To 1940				Well No. 2A			
Tbg. Size 1-1/4	Wt. 2.4	d	Set At 1917	Perforations: From Open To End				Unit Sec. Twp. Rye. F 12 29 12			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan			
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico			
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover		Meter Run	Taps		
.62											
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.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI							150		152		7 days
1.											
2.											
3.	5/8 Pos. Choke						41	62	110		3 hrs.
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											
2											
3	8.5417		53	.9981	.9837	1.000	444				
4											
5											
NO.	P _t	Temp. °R	T _r	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						
P _c 164 P _c ² 26896					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.2390$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.85} = 1.9841$						
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.85} = 882$						
1											
2											
3		122	14884	12012							
4											
5											
Absolute Open Flow 882					Mcf/d @ 15.025			Angle of Slope θ		Slope, n .85	
Remarks:											
Approved By Commission:			Conducted By: Hall			Calculated By: Hall			Checked By: Jacobs		