

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-3-77			
Company Producing Royalties, Inc.				Connection					
Pool Fulcher Kutz				Formation Pictured Cliffs				Unit	
Completion Date 7-25-77		Total Depth 1968'		Plug Back TD 1928'		Elevation 5686' GR		Farm or Lease Name Carroll-Cornell	
Csg. Size 2-7/8"	Wt. 6.5#	d	Set At 1970'	Perforations: From 1784' To 1816'		Well No. 5R			
Thq. Size 1-1/4"	Wt. 2.4#	d	Set At 1814'	Perforations: From Open End To		Unit Sec. Twp. Rge. A 13 29N 12W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas						Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

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							150		150		7 days
1.											
2.											
3.	5/8" Pos Choke						32	70°	125		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3	8.5417		44	.9905	.9837	1.000	366
4							
5							

NO.	P _t	Temp. °R	T _t	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 162	P _c ² 26,244	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5109$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.85} = 2.9081$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3		137	18,769	7,475
4				
5				

Absolute Open Flow 1064 Mcfd @ 15.025		Angle of Slope ϕ _____ Slope, n .85	
Remarks: _____			
Approved By Commission:		Conducted By: Charles Hall	
Calculated By: Charles Hall		Checked By: Jim Jacobs	