

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 12-11-78	
Company Southland Royalty Company				Connection Gas Company of New Mexico		
Pool Blanco				Formation Pictured Cliffs		Unit
Completion Date 12-4-78		Total Depth 5995'		Plug Back TD 5984'		Elevation 7094'
Farm or Lease Name Arizona Jicarilla "A"						Well No. #5
Csg. Size 7.000 4.500	Wt. 20# 10.5#	d 6.456 4.052	Set At 3943' 3772-5985	Perforations: From 3556' To 3597'		Unit #5
Tbg. Size 1.660	Wt. 2.3#	d 1.380	Set At 3613'	Perforations: From To		Unit D
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple				Packer Set At 3793'		County Rio Arriba
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F 12.2		State New Mexico
L	H	Gg .700	% 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
1.	2"	X	3/4"				843		866		1 hr
2.							74		648		2 hrs
3.							62		606		3 hrs
4.							57		578		
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 _{sc}
1	12.365		69.2	1.0000	.9258	1.0000
2.						
3.						
4.						
5.						

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
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.
5.					Critical Temperature	R

$P_c = 878.2$ $P_c^2 = 771,235$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.8237$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6665$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		590.2	348,336	422,899			
2							
3							
4							
5							

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,320$			
Absolute Open Flow		1,320 Mcfd @ 15.025	
Angle of Slope ϕ		Slope, n .85	

Remarks:			
Approved By Commission:		Conducted By: Don Thompson	
Calculated By: James Smith		Checked By: <i>[Signature]</i>	