

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 1-16-79	
Company Southland Royalty Company			Connection Gas Company of New Mexico		
Pool Blanco			Formation Mesa Verde		Unit
Completion Date 1-2-79		Total Depth 8306'		Plug Back TD 8300'	
Elevation 7139' GR		Farm or Lease Name Jicarilla 101			
Csg. Size 5.500	Wt. 26.40	d 6.969	Set At 4190'	Perforations: From 5692' To 5710' CH	
Trg. Size 1.900	Wt. 2.76	d 1.610	Set At 6182'	Perforations: From 6039' To 6190' PL	
Type Well - Single - Brdhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At 6260'	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.2	
Baro. Press. - P _a 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	Duration of Flow
SI							930		928		
1.	2" X 3/4"						135		759		1 hr.
2.							128		701		2 hrs.
3.							77		694		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	12.365		89.2	1.0000	.9258	1.0000	1021
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 942.2	P _c ² 887,741	
NO.	P _i ²	P _w ²
1	706.2	498,718
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2820$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1896$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8567$

Absolute Open Flow	1,896	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
--------------------	-------	--------------	------------------	--------------

Remarks: _____

Approved By Commission:	Conducted By: Don Thompson	Calculated By: James Smith	Checked By:
-------------------------	-------------------------------	-------------------------------	-----------------