

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6-15-82			
Company Southland Royalty Company				Connection Gas Company of New Mexico					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 11-04-81		Total Depth 8325'		Plug Back TD 8278'		Elevation 7161' GL		Farm or Lease Name Jicarilla 101	
Csg. Size 7.625 5.500		Wt. 26.4# 15.5#		Set At 6.969 4.950		Perforations: From To		Well No. 7-M	
Tbg Size 1.900		2.76# 1.610		6120		Perforations: From 5710' To 6161'		Unit Sec. Twp. Rye. G 12 26N 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple						Packer Set At 6279'		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.2		State New Mexico	
L		H		G _g .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.	
SI							1204		1217	
1.	2"	X	3/4"				98		1179	1 hr
2.							118		1165	2 hrs
3.							120		1156	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		132.2	1.0000	.9258	1.0000	1513
2.							
3.							
4.							
5.							

NO.	P _r	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

NO.	P _i ²	P _w ²	P _r ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 10.3318$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5.7628$
1		1168.2	1364691.2	146241.4		
2						
3						
4						
5						

Absolute Open Flow <u>8719</u> Mcfd @ 15.025				Angle of Slope @ _____		Slope, n _____	
Remarks: _____							
Approved By Division		Conducted By: Odell Farley		Calculated By: James Smith		Checked By: C. C. Parsons	