

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

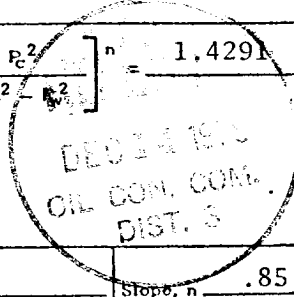
Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12-9-78	
Company Southland Royalty Company				Connection El Paso Natural Gas Company			
Pool Blanco				Formation Pictured Cliffs		Unit	
Completion Date 12-1-78		Total Depth 5610'		Plug Back TD 5400'		Elevation 6416' GR	
Gp. Size 7.000 4.500		Wt. 23# 10.5#		d 6.366 4.052		Set At 3414 3284-5610	
Tbg. Size 1.660		Wt. 2.3#		d 1.380		Set At 3151	
Perforations: From 3130' To 3169'				Well No. 1A			
Perforations: From To				Unit Sec. Twp. R1/4 F- 4-T29N-R8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Multiple						Packer Set At 3390'	
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
L		H		Gg		Prover	
				.700		Meter Run	
				% CO ₂		% N ₂	
				% H ₂ S		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							885		888	
1.	2"	X	3/4"				136		625	1 hr.
2.							130		550	2 hrs.
3.							114		515	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	12.365		126.2	1.0000	.9258	1.0000	1,445
2.							
3.							
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 900.2 P _c ² 810,360 NO P _t ² P _w P _w ² P _c ² - P _w ²					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5220$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4291$
1		527.2	277,940	532,420	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,065$	
2						
3						
4						
5						

Absolute Open Flow	2,065	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	.85
Remarks:					
Approved By Commission: Conducted By: Dwayne Horton Calculated By: James Smith Checked By: 