

**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 8-22-79	
Company Southland Royalty Company				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 8-15-79		Total Depth 6493'		Plug Back TD 6300'		Elevation 6931' GR
Farm or Lease Name Wilmer Canyon		Well No. 2				
Csg. Size 7.000 4.500	Wt. 20# 10.50#	d 6.456 4.052	Set At 4098' 3967-6490'	Perforations: From 5857' To 6226'		
Tbg. Size 2.375	Wt. 4.70#	d 1.995	Set At 6219'	Perforations: From ---- To ----		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple				Packer Set At ---		County San Juan
Producing Thru Tbg		Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico
Baro. Press. - P _a 12.2		Meter Run		Taps		
L	H	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover

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							1145				
1.	2"		3/4"				200				1 hr
2.							162				2 hrs
3.							145				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		157.2	1.0000	.9258	1.0000	1800
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
					Specific Gravity Separator Gas _____ X X X X X X X X	
					Specific Gravity Flowing Fluid _____ X X X X X	
					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
					Critical Temperature _____ R _____ R	

P _c 1157.2 P _c ² 1339112				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		157.2	24712	1314400
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0188}{1.0188 - 0.0000} = 1.0188$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1825$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0141}{1.0141 - 0.0000} = 1.0141$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n. .75
Remarks:		

Approved By Commission:	Conducted By: Dwayne Horton	Calculated By: James Smith	Checked By:
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