

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 1-15-79	
Company Southland Royalty Company				Connection Gas Company of New Mexico		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 1-08-79		Total Depth 8024		Plug Back TD 8024		Elevation 6914' GR
Gage Size 5.500		Wt. 26.40# 17# & 15.5#		Set At 3920 4892 & 4950 3774-8007		Perforations: From 5781' To 5972' PL
Tbg. Size 1.990		Wt. 2.76#		Set At 6029'		Perforations: From To
Type Well - Single - Bradenhead - G.C. or G.O. Multiple G.G. Mult. Ple					Packer Set At 6105'	
Producing Thru Tbg		Reservoir Temp. °F 8		Mean Annual Temp. °F 12.2		Baro. Press. - P _a 12.2
L		H		Gg		% CO ₂
				.700		% 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							884		884	
1.	2" X 3/4"						20		845	1 Hr
2.							19		825	2 Hrs
3.							18		817	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		30.2	1.0000	.9258	1.0000	346
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

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²
1		829.2	687.573	115.601
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 6.9478$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1481$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.2794$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____
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Remarks: _____

Approved By Commission:	Conducted By: Don Thomson	Calculated By:	Checked By:
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