

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 5-25-79	
Company Southland Royalty Company				Connection Southern Union Gathering			
Pool Blanco				Formation Mesa Verde		Unit	
Completion Date 5-18-79		Total Depth 5170'		Plug Back TD 5081'		Elevation 6057' GR	
Farm or Lease Name Thompson							
Original G.P. 7.000	Wt. 20#	q 6.456	Set At 2687'	Perforations: From 4771' To 5031'		Well No. 7-A	
Thg. Size 4.500	Wt. 10.5#	d 4.052	Set At 2534-5082'	Perforations: From To		Unit Sec. Twp. Rge. F 34 31N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At --		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F 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
1.	2" X 3/4"						965		958		1 Hr.
2.							328		690		2 Hrs.
3.							290		619		3 Hrs.
4.							265		574		
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sc}	Rate of Flow Q, Mcfd
1	12.365		277.2	1.0000	.9258	1.0000	3173
2							
3							
4							
5							

NO.	P _r	Temp. °F	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/Lb
1.					A.P.I. Gravity of Liquid Hydrocarbons _____
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 980.2 P _c ² 960,792		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5568$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3937$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		586.2	343,630	617,162	
2					
3					
4					
5					

Absolute Open Flow **4422** Mcfd @ 15.025

Angle of Slope **e** _____

Slope, n **.75**

RELEASED

JUN 5 1979

OIL COM

DR

Remarks: _____

Approved By Commission:	Conducted By: Mick Ferrari	Calculated By: James Smith	Checked By:
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