

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 6-25-78	
Company Southland Royalty Company				Connection Southern Union Gathering	
Pool Blanco				Formation Mesa Verde	
Completion Date 5-29-78		Total Depth 5778'		Plug Back TD 5725'	
Elevation 6510' GR		Farm or Lease Name Dalsant			
Q _g 7.000 4.500	Wt. 20# 10.50#	d 6.456 4.052	Set At 3356' 3248-5771'	Perforations: From 4652' To 5030'	
Trg. Size 2.375	Wt. 4.7#	d 1.995	Set At 5667'	Perforations: From 5077' To 5642'	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At	
Producing Thru Tbg		Reservoir Temp. °F θ		Baro. Press. - P _a 12.2	
L		H		County San Juan	
G _g .700		% CO ₂		State New Mexico	
% 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
SI							779				
1.	2"	X	3/4"				235				1 hr
2.							235				2 hrs
3.							235				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		247.2	1.0000	.9258	1.0000	2,830
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.1087$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.0801$
1		247.2	61,108	564,889		
2						
3						
4						
5						

Absolute Open Flow 3,057 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n = .75

Remarks: _____

Approved By Commission	Conducted By: Charles Saiz	Calculated By: James Smith	Checked By:
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