

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

Form 7-1-65
 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		Unit	
Completion Date 6-4-78		Total Depth 5650'		Plug Back TD 5613'		Elevation 6489'	
Farm or Lease Name Decker		Well No. 2 A					
Gas Size 7.000 4.500	Wt. 20# 10.5#	d 6.456 4.052	Set At 3328' 3174-5638'	Perforations: From 5172' To 5570'			
Trg. Size 2.375	Wt. 4.7#	d 1.995	Set At 5556'	Perforations: From To		Unit Sec. Twp. Rge. I 26 32N 12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At --		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F 8		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	
SI							851				
1.	2" x 3/4"						317				1 Hr.
2.							328				2 Hrs.
3.							328				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		340.2	1.0000	.9258	1.0000	3894
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature R
1.							X X X X X X X X			
2.							X X X X X			
3.										
4.										
5.										

P _t 863.2 P _c ² 745,114				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1839$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1350$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		340.2	115,736	629,378			
2							
3							
4							
5							

Absolute Open Flow 4,420 Mcfd @ 15.025				Angle of Slope 75	
Remarks:					

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