

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 7-18-81	
Company Southland Royalty Company		Connection Southern Union Gathering	
Pool Blanco		Formation Mesa Verde	
Completion Date 7-5-81	Total Depth 7010'	Plug Back TD 5811'	Elevation 5942' GR
Farm or Lease Name Grenier "B"			
Csq. Size 5.500	Wt. 15.5#	d 4.950	Set At 7010'
Perforations: From To		Well No. 4- A M	
Tbg. Size 2.375	Wt. 4.7#	d 1.995	Set At 4725'
Perforations: From To		Unit Sec. Twp. Rge. D 4 29N 10W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At -----	
Producing Thru Tubing		County San Juan	
Reservoir Temp. °F θ		State New Mexico	
L	H	Gg	% 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.	PITOT TUBE						1104#		1104#		
2.							8 $\frac{1}{2}$ #		247#		48 hrs
3.											
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.							1808
2.							
3.							
4.							
5.							

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

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

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

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

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

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

Approved by Division	Conducted By: Bob Shindledecker	Calculated By: James Smith	Checked By: L. O. Van Ryan
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