

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☐ Initial ☐ Annual ☒ Special						Test Date 9-6-80			
Company Southland Royalty Company				Connection Southern Union Gathering					
Pool West Kutz				Formation Pictured Cliffs				Unit	
Completion Date 9-6-80		Total Depth 2044'		Plug Back TD 1990'		Elevation 6156' GR		Farm or Lease Name Whitley "A"	
Csg. Size 8.625	Wt. 24#	d 8.071	Set At 162'	Perforations: From To		Well No. #1R			
Tbg. Size 2.875	Wt. 6.5#	d 2.441	Set At 2020'	Perforations: From 1872' To 1887'		Unit Sec. Twp. Rye.		E 17 27N 11W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At _____		County San Juan	
Producing Thru		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a		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	
SI									125		
1.									0		1 Hour
2.									0		2 Hours
3.									0		3 Hours
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, F _{pv}	Rate of Flow Q, Mcfd
1	12.365			1.0000	.9258	1.0000	
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/tbl.	
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 _f	P _w	P _w ²	P _c ² - P _w ²	(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) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1					
2					
3					
4					

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope @ _____	Slope, n = 85
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Remarks: Down to 0 in 8 seconds - only fumes throughout test.

Approved By Division	Conducted By: Cliff Pistole	Calculated By: James Smith	Checked By: L. O. Van Ryan
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