

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☐ Initial		☐ Annual		☒ Special		Test Date		11-10-82							
Company				Connection													
M. R. Schalk				NEW COMPLETION													
Pool				Formation						Unit							
				Pictured Cliffs													
Completion Date			Total Depth			Plug Back TD			Elevation			Farm or Lease Name					
10-29-82			6592'			6010'			7322'			SCHALK 29-4					
Csg. Size		Wt.		d		Set At		Perforations:				Well No.					
4.500		11.6				6592'		From 4043' To 4227'				#10					
Tng. Size		Wt.		d		Set At		Perforations:				Unit Sec. Twp. Rge.					
2.375		4.7				4113'		From To				M 23 29N 4W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple								Packer Set At		County							
								None		Rio Arriba							
Producing Thru Tubing			Reservoir Temp. °F			Mean Annual Temp. °F			Baro. Press. - P _g			State					
									12.0			New Mexico					
L		H		Gg		% CO ₂		% N ₂		% H ₂ S		Prover		Meter Run		Taps	
												3/4" Choke					

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							1090		1090		SIP
1.	2	x	750	53		60°	53		260		3 hrs.
2.											
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	9.604		65	1.000	1.204	1.025	770
2.							
3.							
4.							
5.							

NO.	R _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2.										
3.										
4.										
5.										

P_c 1102 P_c^2 1214404					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0649}{}$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0549}{}$
NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$		
1		272	73984	1140420		
2						
3						
4						
5						
AOF = Q					$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{812}{}$	

Absolute Open Flow		812		Mcfd @ 15.025		Angle of Slope @		Slope, n .85	
Remarks:									
Approved By Division		Conducted By:		Calculated By:		Checked By:			
		J. E. EVANS		J. E. EVANS					