

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-11-86			
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation MESA VERDE				Unit	
Completion Date		Total Depth 5682		Plug Back TD		Elevation		Farm or Lease Name SCHWERTFEGER A LS	
Csg. Size 7" 4 1/2"		Set At 3302 5677		Perforations: From 5186 To 5440		Well No. 9A			
Trg. Size 2 3/8"		Set At 5405		Perforations: From To		Unit Sec. Twp. Rye. C 31 28N 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County SAN JUAN	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO	
L		H		Cg .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	
1.	2x6x.75						660		690		
2.							205		498	50	3 hours
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.	11		217	1.010	1.195	1.0271	2959
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/lbl.
1.	.32	510	1.32	.948	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _r 702 P _c ² 492804			
NO.	P _i ²	P _w	P _w ²
1.		510	260100
2.			
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1177$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5194$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7555$

Absolute Open Flow	5194	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
Remarks:				

Approved by Division	Conducted By:	Calculated By:	Checked By:
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