

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special										Test Date 3-6-86	
Company TENNECO OIL CO.						Connection					
Pool BLANCO						Formation MESA VERDE					
Completion Date				Total Depth 6023		Plug Back TD 5860		Elevation		Farm or Lease Name S.J. 28-7-unit	
Csg. Size 4" WT.		WT.		Set At 6023		Perforations: From 4964 To 5698		Well No. 52A			
Trg. Size 2 3/8" WT.		WT.		Set At 5320		Perforations: From To		Unit P 27 28N 7W			
Type Well - Single - Drivenhead - G.G. or G.O. Multiple								Packer Set At		County RIO ARRIBA	
Producing Thru				Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		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	
1.	2x6x.75						680		680		3 hours
2.							212		594	48	
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11		224	1.012	1.195	1.0281	3063
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/bbl.
1.	.33	508	1.32	.946	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 692 P _c ² 478864					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.2898$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.9807$	
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²				
1.		606	367236	111628				
2.								
3.								
4.								
5.								

Absolute Open Flow 9130					Mcfd @ 15.025		Angle of Slope @		Slope, n .75	
Remarks:										

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