

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-13-86			
Company TENNECO OIL CO.				Connection				
Pool BLANCO				Formation PICTURED CLIFF				Unit
Completion Date		Total Depth 3816		Plug Back TD 3784		Elevation		Farm or Lease Name SAN JUAN 28-7 UNIT
Csg. Size 4 1/2"	Wt.	d	Set At 3816	Perforations: From 3564 To 3574		Well No. 263		
Tub. Size 1 1/4"	Wt.	d	Set At 3589	Perforations: From To		Unit Sec. Twp. Rye. B 13 28 7		
Type Well - Single - Bordenhead - G.G. or G.O. Multiple					Packer Set At		County RIO ARRIBA	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO
L	H	G _g .680	% 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.	
51							840		840	
1.	2x6x.75						490		526	46
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11		502	1.014	1.213	1.0672	7248
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.75	506	1.31	.878	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separation	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.
5.					Critical Temperature	R

F _r 852 P _c ² 725904				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6631$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5409$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11168$		
1		538	289444	436460			
2							
3							
4							
5							

Absolute Crm Flow 11168		Mcf @ 15.025		Angle of Slope @		Slope, n .85	
Remarks:							
Approved by Division		Conducted by:		Calculated by:		Checked by:	