

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date 12-21-87			
Company TENNECO OIL CO.				Connection							
Pool BLANCO				Formation PICTURED CLIFFS				Unit			
Completion Date		Total Depth 3301		Plug Back TD 3256		Elevation		Farm or Lease Name JACQUES COM			
Csq. Size 4 1/2"	Wt. 10.5#	d K-55	Set At 3301	Perforations: From 3168 To 3212		Well No. 5					
Thp. Size 2 3/8"	Wt. 4.7#	d J-55	Set At 3200	Perforations: From To		Unit A		Sec. 30	Twp. 31N	Rge. 09W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County SAN JUAN			
Producing Thru		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P ₀		State NEW MEXICO			
L	H	Gg .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.	Temp. °F	
SI							663		674		
1.	2x6x.750						201		382	58	3 hours
2.											
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, Mc/d				
1	11.0		213	1.002	1.213	1.024	2916				
2.											
3.											
4.											
5.											
NO.	P ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1.	.318	518	1.35	.953	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____ XXXXXXXXXXXX						
3.					Specific Gravity Flowing Fluid _____ XXXXX						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c 686 P _c ² 470596											
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.49$						
1		394	155236	315360	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.404$						
2											
3											
4					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4093$						
5											
Absolute Open Flow 4093					Mcf @ 15.025			Angle of Slope		Stops, n .85	
Remarks:											
Approved By Division			Conducted By: MARK MC COOL			Calculated By: MARK MC COOL			Checked By:		