

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		4-13-88																																							
Company				Tenneco Oil Co.				Correction																																									
Pool				BLANCO				Formation				MESA VERDE				Unit				#1																													
Completion Date				Total Depth				Plug Back TD				Elevation				Farm or Lease Name																																	
Casing Size				5.5				Set At				5004				Perforations:				Well No.																													
From				4310				To				4960				MESAVERDE STRAT TEST																																	
Tubing Size				2.372				Set At				Perforations:				Unit				Sec.				Twp.				Rge.																					
From				To				C				14				31				11																													
Type Well - Single - Bordenhead - G.C. or G.O. Multiple										Packer Set At										County																													
single																				SAN JUAN																													
Producing Thru										Reservoir Temp. °F										Mean Annual Temp. °F										Baro. Press. - P _a										State									
																														NEW MEXICO																			
L		H		C _g		% CO ₂		% N ₂		% H ₂ S		Provat		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		Duration of Flow																											
1		2 x 6 x		750										475				490		57°		3 hrs.																											
2														200				440																															
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. Factor, F _{sp}		Rate of Flow Q, Mc/d																																			
1		11.0				212		1.004		1.225		1.021		2928																																			
2																																																	
3																																																	
4																																																	
5																																																	
NO.		P _a		Temp. °R		T		Z		Gas Liquid Hydrocarbon Flow										Mc/d/Std.																													
1		200		475		57°		3		A.P.I. Gravity of Liquid Hydrocarbon										Deg.																													
2										Specific Gravity Separator Gas										XXXXXXXXXX																													
3										Specific Gravity Flowing Fluid										XXXXXX																													
4										Critical Pressure										P.S.I.A.		P.S.I.A.																											
5										Critical Temperature										R		R																											
P _c		502		P _c ²		252000																																											
NO.		P _i		P _w		P _w ²		P _c ² - P _w ²		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5,283$										(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,4847$																													
1				452		204304		47,696																																									
2																																																	
3																																																	
4																																																	
5																																																	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 10,203$																																																	
Absolute Crm Flow 10,203 Mc/d @ 15.025 Angle of Slope 75																																																	
Remarks:																																																	
Approved By: Division										Conducted By: DON MARTINEZ										Calculated By: JOHN SPOSATO										Checked By:																			