

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-17-86			
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation MESA VERDE				Unit	
Completion Date		Total Depth 7520		Plug Back TD 7509		Elevation		Farm or Lease Name DAUM LS	
Csg. Size 7" 4 1/2"	Wt.	d	Set At 5728 7517	Perforations: From 5184 To 5550		Well No. 5M			
Trq. Size 2 3/8"	Wt.	d	Set At 5498	Perforations: From To		Unit Sec. Twp. Rge. 0 32 28 9			
Type Well - Single - Brdenhead - G.G. or G.O. Multiple						Packer Set At 5630		County SAN JUAN	
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	Metel 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							543		620		
1.	2x6x.75						127		355	50	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow O, Mcfd
1	11		139	1.010	1.195	1.0158	1874
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	.20	510	1.32	.969						
2.										
3.										
4.										
5.										

$P_c = 632$ $P_c^2 = 399424$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.5087$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3613$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²				
1		367	134689	264735				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2551$			
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Absolute Open Flow 2551		Mcfd @ 15.025		Angle of Slope @		Slope, n .75	
Remarks:							

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