

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 1-31-86			
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation MESA VERDE				Unit	
Completion Date		Total Depth 5146		Plug Back TD 5040		Elevation		Farm or Lease Name MICHENER A LS	
Csq. Size 7" 4 1/2"	Wt.	d	Set At 2949 5143	Perforations: From 4400 To 4750				Well No. 5A	
Tng. Size 2 3/8"	Wt.	d	Set At 4699	Perforations: From To				Unit Sec. Twp. Rye. D 31 28 9	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple						Packer Set At		County SAN JUAN	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO	
L	H	Cg .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	
SI							1155		1155		
1.	2x6x.75						276		768	48	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 Q, Mcfd
1	11		288	1.012	1.195	1.0375	3975
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature R
1	.43	508	1.32	.929						
2.										
3.										
4.										
5.										

$P_c = 1167$ $P_c^2 = 1361889$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.8074$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5588$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1		780	608400	753489				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6196$				
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Absolute Open Flow <u>6206</u> Mcfd @ 15.025		Angle of Slope θ		Slope, n <u>.75</u>	
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Remarks:			
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Approved By Division	Conducted By.	Calculated By.	Checked By:
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