

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 08-23-88	
Company TENNECO OIL CO.			Connection		
Pool BLANCO			Formation MESA VERDE		
Completion Date 8-12-88		Total Depth 5,595		Plug Back TD 5,551	
Elevation 5,551		Farm or Lease Name GARTNER			
Csg. Size 7" Wt. 45		Set At 3,274 5,595		Perforations: From 4734 To 5540	
Thg. Size 2 3/8 Wt. d		Set At 5,240		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At	
Producing Thru TUBING				Reservoir Temp. °F p	
Mean Annual Temp. °F p				Baro. Press. - P _a	
L		H		Meter Run	
G _g .69		% CO ₂		% N ₂	
% H ₂ S		Prover		Tape	

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.	
1.	2 x 6 x .75						430		430	
2.							164		411	60
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, F _{pv}	Rate of Flow Q, Mcfd
1.	11		176	1,000	1,204	1,020	2,378
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.2631	520	1,340	.967	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

$P_c = 442$ $P_c^2 = 195,364$		$(1) \frac{P_c^2}{R_e^2 - R_w^2} = 11,887$		$(2) \left[\frac{R_e^2}{R_e^2 - R_w^2} \right]^n = 6,4019$	
NO.	P ₁ ²	P _w ²	P _w ²	P _c ² - R _w ²	
1.		423	178,929	16,435	
2.					
3.					
4.					
5.					

Absolute Open Flow 15,224 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n .75	
Remarks: _____					

Approved By Division	Conducted By: CRAIG MARCUM	Calculated By: CRAIG MARCUM	Checked By:
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