

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/24/87	
Company Tenneco Oil Co.		Connection	
Pool Blanco		Formation Pictured Cliff	
Completion Date		Total Depth 3575	Plug Back TD 3548
Elevation		Farm or Lease Name Barrett	
Ceq. Size 3.50	Wt. 9.2	Set At	Perforations: From 3342 To 3394
Trq. Size	Wt.	Set At	Perforations: From To
Type Well - Single - Drdthead - G.C. or G.O. Multiple		Packer Set At	County San Juan
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. - P _g
L		H	State New Mexico
C _g .670	% 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									653		
1.	2x6x.750								131	55	3 hrs.
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, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		143	1.005	1.222	1.015	1961
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbon	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcfd/psi.	Deg.
1	.214	515	1,348	.970								
2.												
3.												
4.												
5												

P _c 665		P _c ² 442225		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.048}{}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0407}{}$
NO	P _i ²	P _w	P _w ²		
1		143	20449	421776	
2					
3					
4					
5					

MOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2041}{}$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2041$$

Absolute Open Flow	Mcfd @ 15.025	Angle of Slope @	Slope, n .85
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Remarks: slimhole

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