

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7/30/87	
Company Tenneco Oil Co.				Connection		
Pool Blanco				Formation Pictured Cliff		Unit
Completion Date		Total Depth 3361		Plug Back TD 3329		Elevation
Farm or Lease Name Fields						
Csg. Size 3 1/2	Wt. 9.2	d	Set At	Perforations: From 3110 To 3160		Well No. 16
Trg. Size	Wt.	d	Set At	Perforations: From To		Unit Sec. Twp. R10E N 25 32N 11W
Type Well - Single - Drivenhead - G.C. or G.O. Multiple				Packer Set At		County
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		State
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps
			.695			

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	2x6x.750								504		
1.									108	60	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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.		120	1.00	1.200	1.013	1605
2.							
3.							
4.							
5.							

NO.	P _r	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 P.S.I.A.	Critical Temperature °R
1	0.18	520	1.34	.974						
2.										
3.										
4.										
5.										

$P_c = 516$ $P_c^2 = 266256$					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0572$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0484$	
NO.	P _i	P _w	P _w ²	P _c ² - P _w ²				
1		120	14400	251856				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1683$				
Absolute Open Flow		1683		Mcfd @ 15.025
Angle of Slope @				Slope, n
				85

Remarks: Slimhole

Approved by Division	Conducted by:	Calculated by: M. McLoat	Checked by:
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