

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 11-12-85			
Company TENNECO OIL CO.				Connection			
Pool BLANCO				Formation PICTURED CLIFF			
Completion Date		Total Depth 4836		Plug Back TD 4819			
Elevation		Farm or Lease Name WARREN LS					
Csg. Size 7" Wt. d		Set At 2542		Perforations: From 2155 To 2214			
Trq. Size 4 1/2" Wt. d		Set At 4836		Well No. 2A			
1 1/2" Wt. d		Set At 2188		Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At 2310			
Producing Thru				County SAN JUAN			
Reservoir Temp. °F				State NEW MEXICO			
Mean Annual Temp. °F				Baro. Press. - P _a			
L		H		G _g			
				.680			
% CO ₂		% N ₂		% H ₂ S			
Prover		Meter Run		Taps			
FLOW DATA							
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w		
SI							
1.	2x6x.75						
2.							
3.							
4.							
5.							
TUBING DATA							
				Press. p.s.i.g.	Temp. °F		
				394			
				74			
CASING DATA							
				Press. p.s.i.g.	Temp. °F		
				480			
				164	60		
					3 hours		
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		86	1.000	1.213	1.0096	1158
2.							
3.							
4.							
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio <u>FEED = 0.1966</u> Mcf/bbl.		
1.	.13	520	1.35	.981	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.					Specific Gravity Separator Gas <u>0.60</u> XXXXXXXXX		
3.					Specific Gravity Flowing Fluid <u>0.60</u> XXXXXXXXX		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
P _c 492 P _c ² 242064					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1467$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1234$
NO.	P _c ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1301$		
1		176	30976	211088			
2							
3							
4							
5							
Absolute Open Flow <u>1301</u> Mcfd @ 15.025					Angle of Slope θ _____		Slope, n <u>.85</u>
Remarks: _____							
Approved by Division		Conducted by:		Calculated by:		Checked by:	