

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-22-85		RECEIVED MAY 22 1985 OIL CON. DIV DIST.	
Company Tenneco Oil Company				Connection			
Pool Basin				Formation Dakota			
Completion Date		Total Depth 6960'		Plug Back TD 6915'		Elevation	
Csg. Size 7"		Wt. d		Set At 2960'		Perforations: From 6736' To 6829'	
Trq. Size 2 3/8"		Wt. d		Set At 6764'		Perforations: From To	
Type Well - Single - Brdenhead - G.G. or G.O. Multiple				Packer Set At		Farm or Lease Name Houck Com	
Producing Thru		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _g	
L		H		G _g .700		% CO ₂ % N ₂ % H ₂ S	
						Prover Meter Run Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	2 X 6 X 75						
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11		80	1.008	1.195	1.0086	1069
2.							
3.							
4.							
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.		
1.	.12	512	1.30	.983	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.		
2.					Specific Gravity Separator Gas _____ X X X X X X X X		
3.					Specific Gravity Flowing Fluid _____ X X X X X		
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
P _c 1662 P _c ² 2762244							
NO.	F _i ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0503$		
1.		364	132496	2629748	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0375$		
2.							
3.							
4.							
5.							
Absolute Open Flow 1109					Mcf/d @ 15.025		Angle of Slope @ _____
Slope, n .75							
Remarks:							
Approved By Division		Conducted By:		Calculated By:		Checked By:	