

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 11/23/84									
Company Tenneco Oil Company		Connection									
Pool Basin		Formation Dakota									
Completion Date		Total Depth 6729	Plug Back TD 6720								
Elevation		Farm or Lease Name Warren									
Csg. Size 7 4 1/2	Wt. d	Set At 3550 6726	Perforations: From 6605 To 6682								
Trg. Size 2 3/8	Wt. d	Set At 6663	Perforations: From To								
Type Well - Single - Brdenhead - G.G. or G.O. Multiple		Packer Set At									
Producing Thru		Reservoir Temp. °F p	Mean Annual Temp. °F								
Baro. Press. - P _a		State New Mexico									
L	H	Gg .700	% 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							1710		1840		
1.	2" x 6" x .75						88		462	54	3 hours
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 _{py}	Rate of Flow Q, Mcfd				
1	11		100	1.006	1.195	1.0112	1337				
2.											
3.											
4.											
5.											
NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1	.15	514	1.30	.978	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 1852 P _c ² 3429904					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0701$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0521$						
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²							
1		474	224676	3205228							
2.											
3.											
4.											
5.											
Absolute Open Flow 1406 Mcfd @ 15.025					Angle of Slope @ _____				Slope, n .75		
Remarks:											
Approved By Division			Conducted By:			Calculated By:			Checked By:		