

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1/25/85	
Company Tenneco Oil Company				Connection	
Pool Basin				Formation Dakota	
Completion Date		Total Depth 7490		Plug Back TD 7440	
Elevation		Farm or Lease Name Atlantic			
Csg. Size 7 4 1/2		Wt. d		Set At 5583 7487	
Perforations: From 7300 To 7414		Well No. 1E			
Tng. Size 2 3/8		Wt. d		Set At 7372	
Perforations: From To		Unit Sec. Twp. Rge. D 34 31 10			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At	
Producing Thru				County San Juan	
Reservoir Temp. °F		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a					
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
1.	2 x 6 x .75						1705		-0-		3 hours
2.							32		-0-	50	
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, Fpv	Rate of Flow Q, Mcfd
1.	11		44	1.010	1.195	1.0035	586
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	.06	510	1.29	.993	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

$P_c = 1717$ $P_c^2 = 2948089$				
NO.	P _i	P _w	P _w ²	P _c ² - P _w ²
1.		44	1936	2946153
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0006$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 586$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0005$

Absolute Open Flow <u>586</u> Mcfd @ 15.025	Angle of Slope @ _____	Slope, n <u>.75</u>
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Remarks: _____

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