

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-12-86				
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation MESA VERDE				Unit	
Completion Date		Total Depth 5725		Plug Back TD 5677		Elevation		Farm or Lease Name DRYDEN LS	
Csg. Size 7" 4 1/2"		Set At 3300 5722		Perforations: From 5202 To 5552		Well No. 4A			
Tng. Size 2 3/8"		Set At 5351		Perforations: From To		Unit Sec. Twp. R. 12 27N 8W			
Type Well - Single - Frictionhead - G.G. or G.O. Multiple					Packer Set At		County SAN JUAN		
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		State NEW MEXICO	
L H		Cg .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.	2x6x.75						850		965		3 hours
2.							62		650	52	
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11		74	1.008	1.195	1.0081	988
2.							
3.							
4.							
5.							

NO. P _r Temp. °R T _r Z					Gas Liquid Hydrocarbon Ratio		MAR 17 1986		Mcft/Std.	
1. .11 512 1.33 .984					A.P.I. Gravity of Liquid Hydrocarbons		OIL CON. DIV.		Deg.	
2.					Specific Gravity Separator Gas		DIST. 3 X		X X X X X X X X	
3.					Specific Gravity Flowing Fluid					
4.					Critical Pressure		P.S.I.A.		P.S.I.A.	
5.					Critical Temperature		R		R	

P _r 977 P _c ² 954529					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8488$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5855$	
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²				
1.		662	438244	516285				
2.								
3.								
4.								
5.								

Absolute Open Flow 1566 Mcfd @ 15.025					Angle of Slope @		Slope, n .75	
Remarks:								

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