

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12/30/85			
Company TENNECO OIL CO.				Connection					
Pool BLANCO				Formation MESA VERDE				Unit	
Completion Date		Total Depth 7453		Plug Back TD 7443		Elevation		Farm or Lease Name SCHWERTFEGER A LS	
Csg. Size 7" 4 1/2"		Set At 5570 7450		Perforations: From 4530 To 5405		Well No. 20M			
Tng. Size 2 3/8"		Set At 5393		Perforations: From To		Unit Sec. Twp. Rye. J 8 27 8			
Type Well - Single - Blindhead - G.G. or G.O. Multiple						Packer Set At 5415		County SAN JUAN	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State NEW MEXICO	
L		H		G _g .680		% 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.	
1.	2 x 6 x .75						760		805	
2.							56		568	52
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 _{pv}	Rate of Flow Q, Mcfd
1.	11		68	1.008	1.213	1.0070	921
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
	1	.10	512	1.33	.986	
	2.					
	3.					
	4.					

A.P.I. Gravity of Liquid Hydrocarbons				JAN 21 1986		Deg.	
Specific Gravity Separator Gas				OIL CON. DIV.		XXXXXXXXXX	
Specific Gravity Flowing Fluid				DIST. 3		P.S.I.A.	
Critical Pressure				R		R	
Critical Temperature				R		R	

$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.0160$				$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8148$			
$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1671$							

Absolute Open Flow		1671		Mcf @ 15.025		Angle of Slope @		Slope, n .85		
Remarks:										
Approved by Division			Conducted by:			Calculated By:			Checked By:	