

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 1-9-88	
Company TENNECO OIL CO.				Connection		
Pool BLANCO				Formation MESA VERDE		Unit
Completion Date		Total Depth 7140		Plug Back TD 7101		Elevation
Farm or Lease Name FLORANCE C LS						Well No. 10M
Csg. Size 7" 4 1/2"	Wt.	d	Set At 5388 7137	Perforations: From 4526 To 5102		Unit Sec. Twp. Rge. 0 30 28N 8W
Tng. Size 2 3/8"	Wt.	d	Set At 5005	Perforations: From To		Unit Sec. Twp. Rge. 0 30 28N 8W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple				Packer Set At 5197		County SAN JUAN
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		State NEW MEXICO
L	H	Gg .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.	
SI							758		765	
1.	2x6x.75						158		552	48
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 _{pv}	Rate of Flow Q, Mcfd
1	11		170	1.012	1.213	1.0206	2342
2.							
3.							
4.							
5.							

NO.	R _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature R
1.	.25	508	1.32	.960						
2.										
3.										
4.										
5.										

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1		564	318096	285633
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.1136$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8892$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4424$

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____ X X X X X X X X

Specific Gravity Flowing Fluid _____ X X X X X

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

Absolute Open Flow 4424	Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n .85
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Remarks: _____

Approved by Division _____	Conducted by: _____	Calculated by: _____	Checked by: _____
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