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: [XX] Initial [ ] Annual [ ] Special				Test Date: 11/26/85	
Company: Tenneco Oil Company			Connection:		
Pool: Basin			Formation: Dakota		Unit:
Completion Date	Total Depth: 7000		Plug Back TD: 6982	Elevation	Farm or Lease Name: McCulley LS
Csg. Size: 4 1/2 / Wt. / d / Set At: 6987			Perforations: From 6798 To 6858		Well No.: 5M
Tbg. Size: 2 3/8 / Wt. / d / Set At: 6887			Perforations: From To		Unit: D / Sec.: 24 / Twp.: 28 / Rge.: 9
Type Well – Single – Bradenhead – G.G. or G.O. Multiple			Packer Set At: 5000		County: San Juan
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a		State: New Mexico
L / H / Gg: .700 / % CO_2 / % N_2 / % H_2S / Prover / Meter Run / Taps					

FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						1555		925		
1.	2 x 6 x .75					105			56	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11		117	1.004	1.195	1.0132	1564
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1	.17	516	1.31	.974
2.				
3.				
4.				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1567 P_c^2 2455489

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		117	13689	2441800
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0056$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0042$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1570$

Absolute Open Flow 1570 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

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