ENERGY AND MINERALS DEPARTMENT SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED MAY 22 1985 OIL CON. DIV. DIST. 3

Type Test: [XX] Initial [ ] Annual [ ] Special		Test Date: 4-22-85	
Company: Tenneco Oil Company	Connection:		
Pool: Basin	Formation: Dakota		Unit:
Completion Date	Total Depth: 7550'	Plug Back TD: 7540'	Elevation
Farm or Lease Name: Vanderwart B			
Csg. Size: 7"	Wt.	d	Set At: 3615'
Perforations: From 7296' To 7515'	Well No.: 3		
Tbg. Size: 2 3/8"	Wt.	d	Set At: 7456'
Perforations: From To	Unit: N	Sec.: 11	Twp.: 29N Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At		County: San Juan
Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a
State: New Mexico			

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.700						

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	
SI					1740		1800		
1.	2 X 6 X .75				84		422	52°	3 hrs.
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		96	1.008	1.195	1.0101	1284
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.	.14	512	1.30	.980
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 1812 P_c^2 3283344

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		434	188356	3094988
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0608$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0453$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1342$

Absolute Open Flow 1342 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: _____

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