MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [X] Special			Test Date: 12/26/87
Company: Tenneco Oil Co.	Connection: El Paso Natural Gas		
Pool: Blanco	Formation: Mesa Verde		Unit:
Completion Date: 12/15/87	Total Depth: 5709	Plug Back TD: 5546	Elevation:	Farm or Lease Name: Vanderwart
Csg. Size: 4.5 / Wt.: 23# / d: / Set At: 3451	Perforations: From To		Well No.: A LS 2R
Tbg. Size: 2 3/8 / Wt.: 4.6 / d: / Set At: 5542	Perforations: From 4660 To 5552		Unit: K Sec.: 11 Twp.: 29N Rge.: 8W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: SINGLE COMPLETION	Packer Set At:		County: San Juan
Producing Thru:	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a:	State: New Mexico
L:	H:	Cg:	% CO_2:	% N_2:	% H_2S:	Prover:	Meter Run:	Taps:

NO.	FLOW DATA: Prover Line Size x Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					522		527		
1.	2x6x.750				167		502	60	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	11.0		167	1.000	1.240	1.014	2310
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	Z
1	.2489	520	1.45	9.73
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 _____ XXXXXXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

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OIL CON. DIV.
DIST. 3

P_c 527 P_c^2 277,729

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		502	252,004	25,725
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 10.7961$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5.9559$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 13,758$

Submitted to Commission 1/12/88

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

Remarks: _____

Approved by Division | Conducted by: Pete Marcum | Calculated by: Pete Marcum | Checked by: