

CALCULATION OF ERROR DUE TO THE USE OF
P_t INSTEAD OF P_w

$$Q = \frac{D}{\sqrt{\frac{(P_c^2 - P_d^2)}{P_c^2 - P_w^2}}} \cdot 75$$

D = 750 MCF/day
P_c = 1350 psia
P_d = 675 psia
P_c² = 1,822,500
P_d² = 455,625
P_t² = P_w² - R²
R² = (F_cQ)²(1 - e^{-s})

P _w (psia)	Q(MCF)	P _t (psia)	Q (MCF)	Error Resulting from use of P _t
1474	101.5	1474	101.5	--%
1432	202.0	1432	202.	--%
1382	301.5	1381	302.	.166%
1322	402.	1320	405.	.746%
1258	500.	1255	503.	.600%
1183	599.	1179	606.	1.169%
1100	696.	1095	703.	1.005%
1000	799.	993	806.	.876%
894	922.	884	928.	.651%
742	1005.	726	1017	1.193%

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 6
CASE NO. 2572