

NMOCD, Case No. 10993
Compulsory Pooling
W/2 Sec. 36-T17S-R30E

DRAINAGE CALCULATION

1. Enron Cedar Lake 35 Fed#1 is 1980' from section 36.
2. There are 70.7 Acres within a 1980' radius of the Enron 35 Fed#1 and 2650 Ac-Ft.
70.7
3. Porosity = 10%, SW = 25%, Bgi = $\frac{5,090(520)}{15.02(.98)631} = 285$
4. OGIP MCF/Ac Ft = $43.56(.10)(1-.25)(285) = 931.1$ MCF/AcFt
5. OGIP of a 1980' planimetered radius around the Enron 35 Fed #1 $(931.1 \text{ MCF/AcFt})(2650 \text{ AcFt}) = 2.47 \text{ BCF}$
6. Once cumulative production of the Enron 35 Fed#1 exceeds 2.47 BCF, drainage is occurring from section 36.
7. Approximate cumulative production of the Enron 35 Fed#1 is 9.4 BCF through May 1994. Current production rate is 17+ million cubic feet per day.

ARCO PERMIAN
BEFORE EXAMINER MORROW
NMOCD CASE NO. 10993
DATE: 06/09/94
EXHIBIT NO. 9