

NMOCD CASE NO. 13049  
APRIL 10, 2003  
EGL/LANDRETH  
EXHIBIT NO. 11

Conoco-Bell Lake Unit 6  
Unit O, Section 6, T23S-R34E  
Bell Lake North Devonian Gas Pool

Calculation of Area Drained by this Well

Reservoir Parameters:

Net pay above 3% porosity cut off	74 feet
Average porosity from open hole sonic log	5.1%
Water saturation in Gas Pay Zone	20%
Original Reservoir Pressure from DST	6400 psi
Bottom Hole Temperature	202° F
Gas Specific Gravity (Air = 1.0)	0.6
Supercompressibility Factor (Z) at original reservoir conditions	1.1
Original Gas in Place (by material balance)	
(a) per acre foot of reservoir	570 mcf/AF
(b) per acre, based on 74 feet of net pay	42 mmcf/Acre
Recoverable Gas per acre (90% of (b))	37.8 mmcf/Acre
Cumulative Gas Production as of 1/1/03	31,143 mmcf

Area drained by this well:

$$\frac{31,143 \text{ mmcf}}{37.8 \text{ mmcf/Acre}} = 824 \text{ Acres}$$