Recoverable Gas In-Place/160 Ac
Shown in BCF

| | | | |
|---|---|---|---|
| NW/4 160 Ac | 1.30 | 0.05 | NE/4 160 Ac |
| Middle W/2 160 Ac | 0.64 | 0.00 | Middle E/2 160 Ac |
| SW/4 160Ac | 5.53 | 2.01 | SE/4 160Ac |

**Constant Reservoir Parameters used for the volumetric calculation are as follows:**

| | |
|---|---|
| Porosity = | 12 % |
| Water Saturation = | 10 % |
| Initial Pressure = | 7000 psia |
| Abandonment Pressure = | 1000 psia |
| Bgi = | 0.0030 resv cu ft/SCF |
| Bga = | 0.0165 resv cu ft/SCF |
| Recovery Factor = | 82% |

**Estimated Original Recoverable Gas In Place In Spacing Unit**

Standard Reservoir Engineering Volumetric Equations:

RGIP=43,560*A*h*porosity*(1-Sw)*(1/Bgi-1/Bga), cu ft

Bg = 0.0283*T*z/P (T in degrees Rankine)

| | Bulk Volume (Ac-Ft) | MCF/Ac-FT | RGIP/160 Ac (BCF) |
|---|---|---|---|
| SW/4 | 4,310 | 1,283 | 5.53 |
| SE/4 | 1,564 | 1,283 | 2.01 |
| W/2 Middle | 496 | 1,283 | 0.64 |
| E/2 Middle | 0 | - | 0 |
| NW/4 | 1,015 | 1,283 | 1.30 |
| NE/4 | 37 | 1,283 | 0.05 |

BEFORE THE
OIL CONSERVATION DIVISION
Case # 13492&13493 Exhibit No. B
Submitted By:
Chesapeake Inc.
Hearing Date: August 22, 2005

Lawson Cross-Ex. 3