CHAMBERS 1-7 RESERVOIR DATA **Discovery Allowable** Section 7-16S-36E Case #11750 November 9, 1996 DST Pressure Data: **Original BHP** P* = 4,223 psi April 12, 1997 Pressure Build Up Data: Final Build Up Pressure 3,525 psi : P* = 3,603 psi Permeability 34.2 md Radius of Investigation 798' at End of Shut in NOTE: Boundaries were not evident at the end of the build up AVERAGE VOLUMETRIC DRAINAGE AREAS T16S-R37E LEA COUNTY, NEW MEXICO **Reservoir Assumptions** Field Study Results Porosity 10% Average Oil EUR 263 MBO 422 MMCF Sw 30% Average Gas EUR Bo 1.21 Average Perf'd Pay **44'** Recovery Factor 15% Average Drainage Area 85 Acres **NOTE: See Attached Data Sheet** Chesapeake Operating Inc. BEFORE THE OIL CONSERVATION COMMISSION Case No.11750 Exhibit No._ 1 Submitted By:

Chesapeake Inc. Hearing Date: May 1, 1997