

**LOVING EAST FIELD  
PROPOSED SCB 23#17  
EDDY COUNTY, NEW MEXICO**

**DELAWARE VOLUMETRIC ANALYSIS**

**PARAMETERS**

Average Porosity, %	16.0
Connate Water Saturation, %	46.0
Initial Pressure, psia	2,615
Reservoir Temperature, deg. R	575
Formation Volume Factor	1.34

**OIL IN PLACE, BBLs/A-F** **500**  
(7758 x por x (1-Sw) \*1/Boi)

**OIL IN PLACE, MBBLs** **6,163**

Recovery Factor, % 11

**ULTIMATE OIL RECOVERY, BBLs/A-F** **55**

**BULK RESERVOIR VOLUME**

Productive Acres	160
Average Pay Thickness, ft.	77
Unit Productive Volume, A-F	12,320

**ULTIMATE RECOVERABLE OIL, MBBLs** **678**

**OIL RESERVES RECOVERABLE BY EXISTING WELLS** **MBO**

Donaldson Comm A#1	133
SCB 23#1	252
SCB 23#2	113
SCB 23#4	90
SCB 23#13	20

**TOTAL RESERVES BY EXISTING WELLS** **608**

**OIL RESERVES NOT RECOVERABLE BY EXISTING WELLS  
IN TRACT** **70**

**BEFORE THE  
OIL CONSERVATION DIVISION**  
Case No. 13472 Exhibit No. 11  
Submitted By:  
*RB Operating Company*  
Hearing Date: April 21, 2005