

NMOCD CASE #12000
EXHIBIT #3a
ESTIMATED RECOVERABLE RESERVES

ESTIMATED RECOVERABLE RESERVES FOR FIELD:

Area under closure: 2715 acre-feet
Recovery Factor: 200 barrels of oil per acre-foot
RECOVERABLE OIL = 543,000 barrels of oil

**ESTIMATED RECOVERABLE RESERVES WITHIN PROPOSED
160 ACRE PRORATION UNIT:**

Area under closure: 2275 acre-feet
Recovery Factor: 200 barrels of oil per acre-foot
RECOVERABLE OIL = 455,000 barrels of oil
84% of recoverable oil from pool is within the proposed 160 acre proration unit

**ESTIMATED RECOVERABLE RESERVES WITHIN EACH 40 ACRE TRACT
OF THE PROPOSED 160 ACRE PRORATION UNIT:**

SE/4 OF THE SW/4 OF SECTION 31

Area under closure: 942 acre-feet
Recovery Factor: 200 barrels of oil per acre-foot
RECOVERABLE OIL = 188,400 barrels of oil
(41% of 160 acre proration unit total)

NE/4 OF THE SW/4 OF SECTION 31

Area under closure: 398 acre-feet
Recovery Factor: 200 barrels of oil per acre-foot
RECOVERABLE OIL = 79,600 barrels of oil
(17% of 160 acre proration unit total)

NW/4 OF THE SE/4 OF SECTION 31

Area under closure: 619 acre-feet
Recovery Factor: 200 barrels of oil per acre-foot
RECOVERABLE OIL = 123,800 barrels of oil
(27% of 160 acre proration unit total)

SW/4 OF THE SE/4 OF SECTION 31

Area under closure: 316 acre-feet
Recovery Factor: 200 barrels of oil per acre-foot
RECOVERABLE OIL = 63,200 barrels of oil
(14% of 160 acre proration unit total)