A

A'

1 2 3 4 5 7 8 9

3RD SISTER
CYCLE of WOLFCAMP
PERMIAN

ANTELOPE SINK
ZONE OF
PERMO-PENN

SHELF
FACIES

BANK
FACIES

PENNSYLVANIAN
TOP BY
N.M. O.C.D.
REFERENCE
CROSSECTIONS

EAGLE CREEK
PERMO-PENN
GAS ZONE OF
N.M. OIL & GAS
ENGINEERING
COMMITTEE

ANTELOPE SINK
ZONE OF
PERMO-PENN

BASIN
FACIES

BANK
FACIES

PERMO-PENN
BASIN FACIES

ISOLATED
MOUNDS

Potentially
Productive
Mound

Productive
Mound

CANYON

APPLICATION OF
YATES PETROLEUM CORPORATION
for
TIGHT FORMATION DESIGNATION
PERMO-PENN FORMATION
Eddy County, New Mexico

New Mexico Oil Conservation Division
Case Number 7352

EXHIBIT NO. 5