D

1

2

3

4

5

D'

3RD SISTER
CYCLE of WOLFCAMP
PERMIAN

ANTELOPE SINK
ZONE OF PERMO-PENN

BANK
FACIES

BOX CANYON
PERMO-PENN
OF N.M.O.&G.
ENGR. COMM.

BASIN
FACIES

CANYON

ANTELOPE SINK
UPPER PENN
OF N.M.O.&G.
ENGR. COMM.

PENASCO DRAW
PERMO-PENN
OF N.M.O.&G.
ENGR. COMM.

EAGLE CREEK
PERMO-PENN
OF N.M.O.&G.
ENGR. COMM.

3RD SISTER
CYCLE OF WOLFCAMP
PERMIAN

ANTELOPE SINK
ZONE OF PERMO-PENN

BANK
FACIES

BASIN
FACIES

CANYON

Perf: 5864-98
5902-03
5930-31
5980-84
6014-15
6037-40
6084-89
CAOF - 750 MCF

Perf. 6148-6246
A 300 G
RE:A 20,000 G

Perf. 6332-66
A 200 G
RE:A 25,000 G
CAOF 2100 MCGFPD

DST 6560'-6661'
op. 2 hrs.
GTS in 13 mins.
Rec. 322' SOCGM
F.P. 143-181#
SIP 2282#/2 hrs.
Core #1 6557'-6598'
CUT 42' Rec. 45'

Core #2 6608'-6661'
Cut 63' Rec. 77'

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. 8