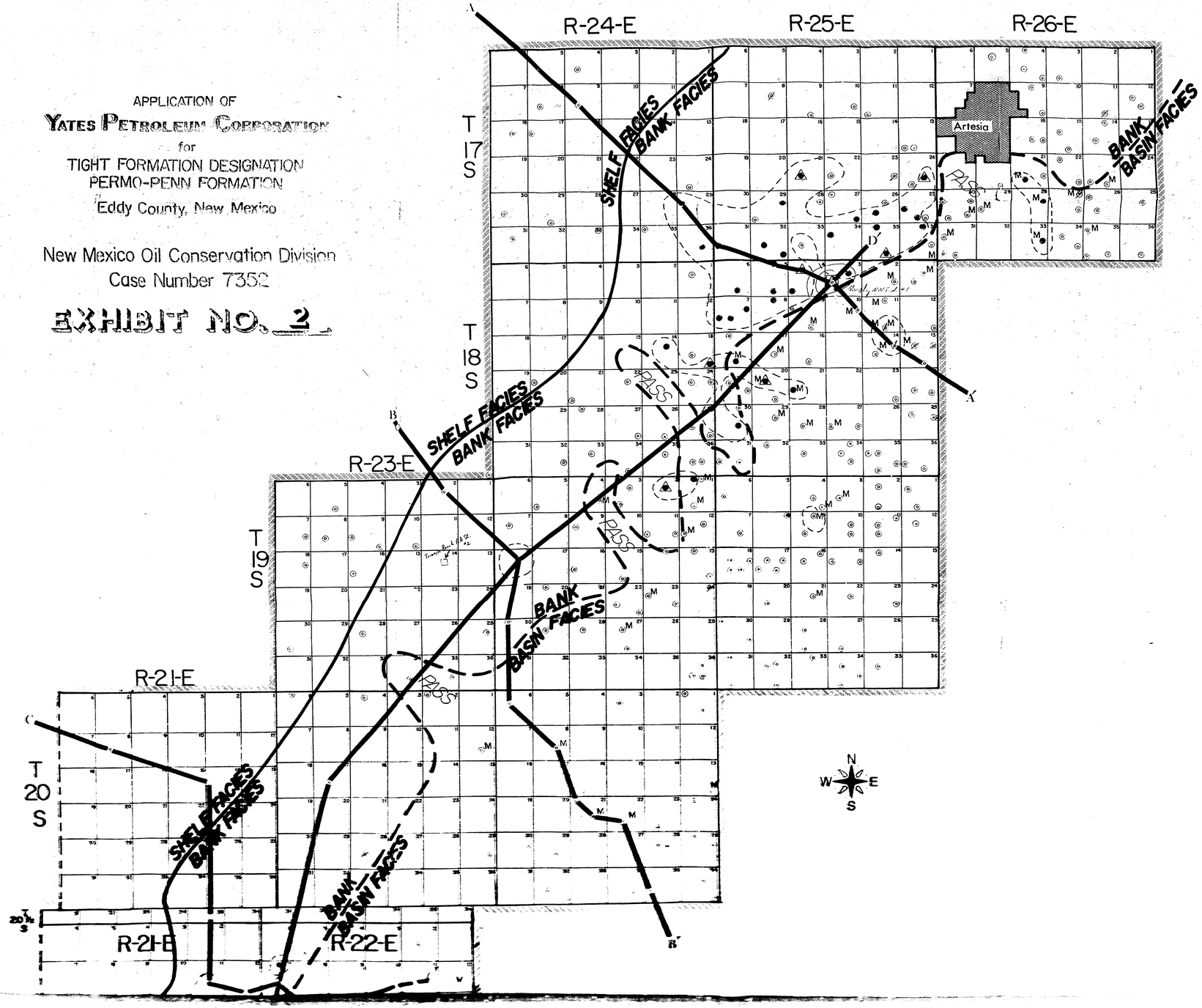
Case No
7351

Large Exhibits

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

New Mexico Oil Conservation Division
Case Number 7352

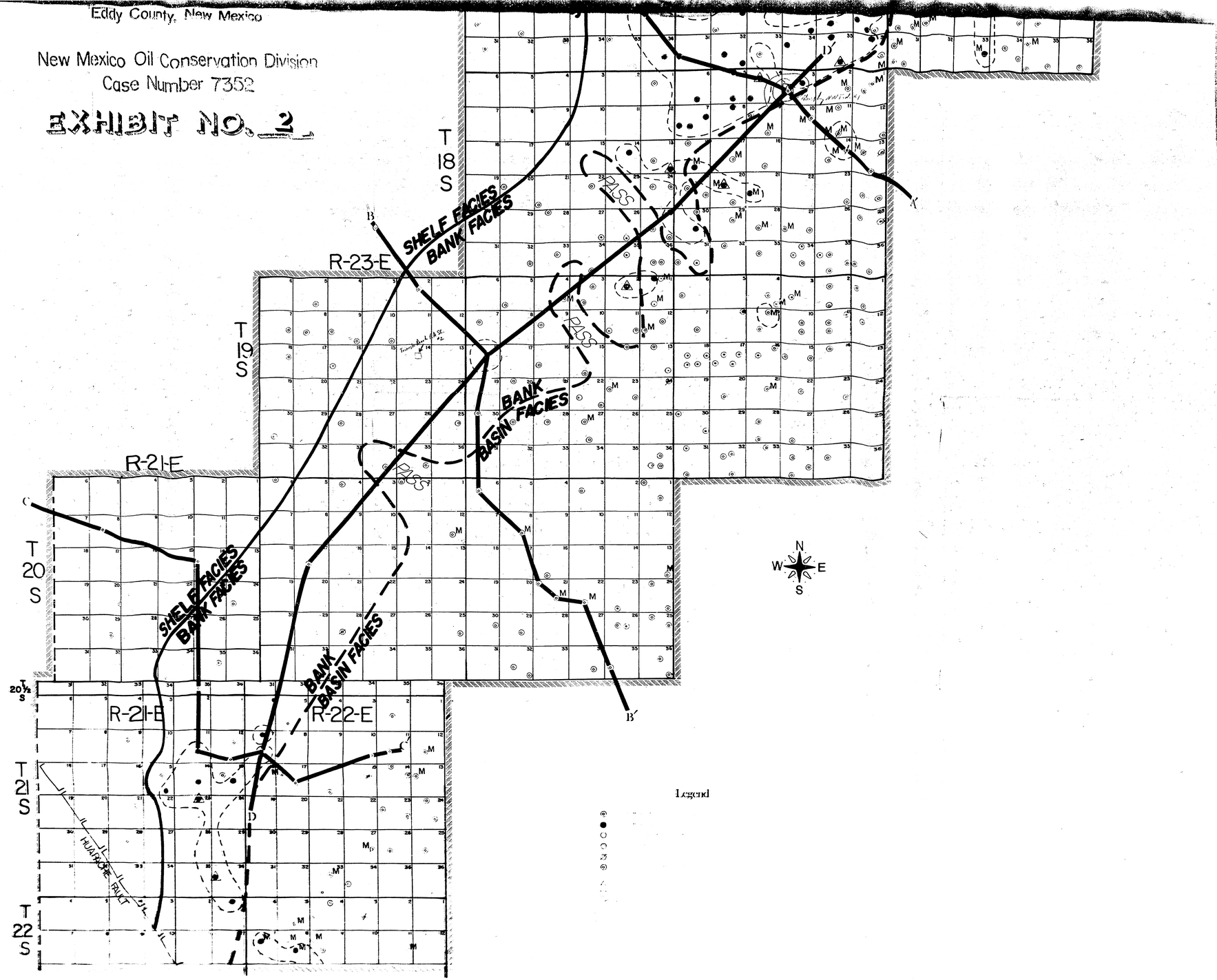
EXHIBIT NO. 2



Eddy County, New Mexico

New Mexico Oil Conservation Division
Case Number 7352

EXHIBIT NO. 2



Legend

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3RD SISTER
CYCLE of WOLFCAMP
PERMIAN

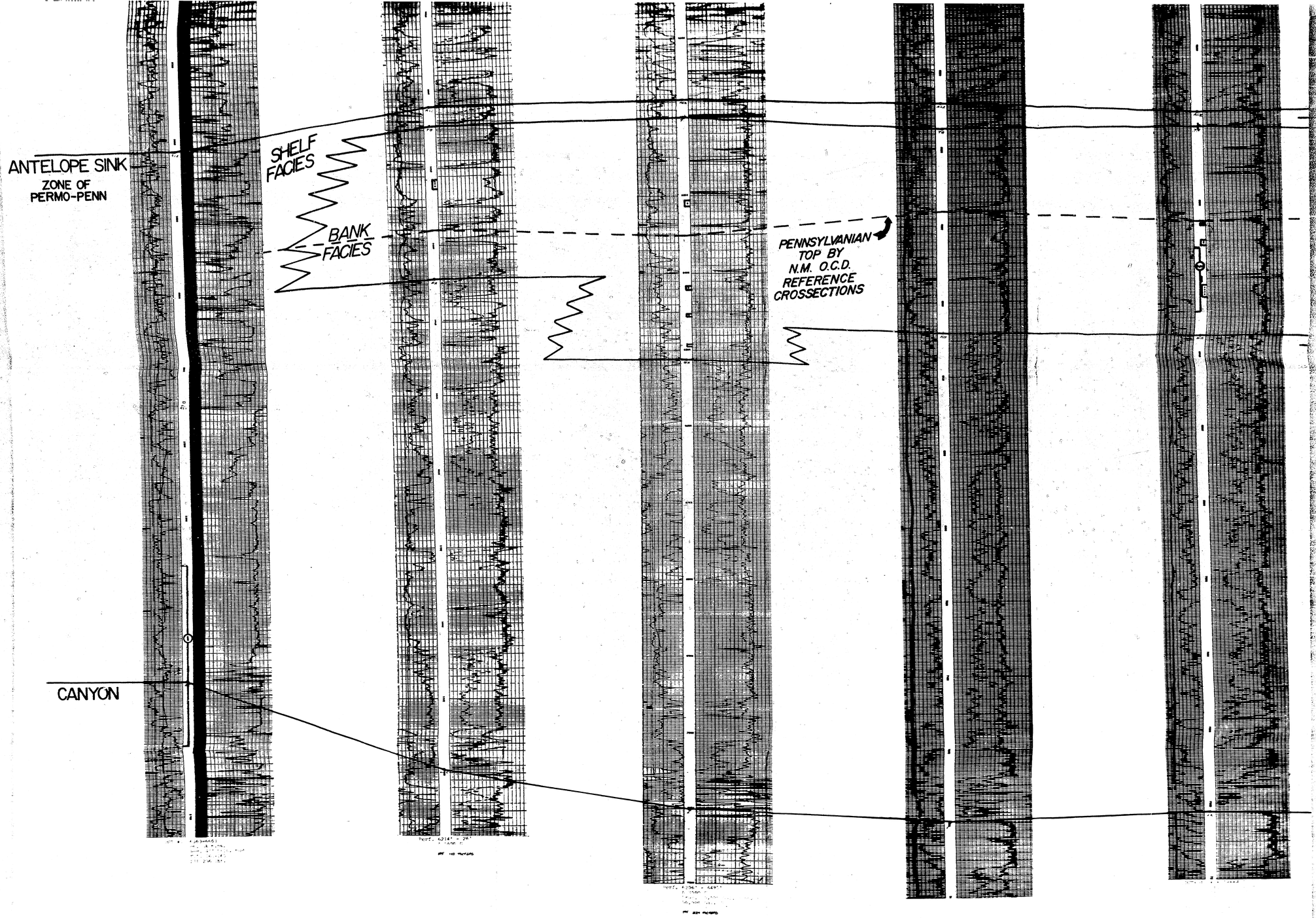
ANTELOPE SINK
ZONE OF
PERMO-PENN

SHELF
FACIES

BANK
FACIES

CANYON

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


ANTELOPE SINK
ZONE OF
PERMO-PENN
SHELF
FACIES
BANK
FACIES
PENNSYLVANIAN
TOP BY
N.M. O.C.D.
REFERENCE
CROSSECTIONS
CANYON

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CYCLE of W
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ANTELOPE SINK
ZONE OF
PERMO-PENN

BASIN FACIES

BANK FACIES

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

PERMO-PENN
BASIN FACIES

ISOLATED
MOUNDS

Producing Mound

Producing Mound

YATES

TIGH
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ANTELOPE SINK
ZONE OF
PERMO-PENN

BASIN FACIES

BANK FACIES

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

PERMO-PENN
BASIN FACIES

ISOLATED
MOUNDS

Potentially Productive Mound

Productive Mound

YATES

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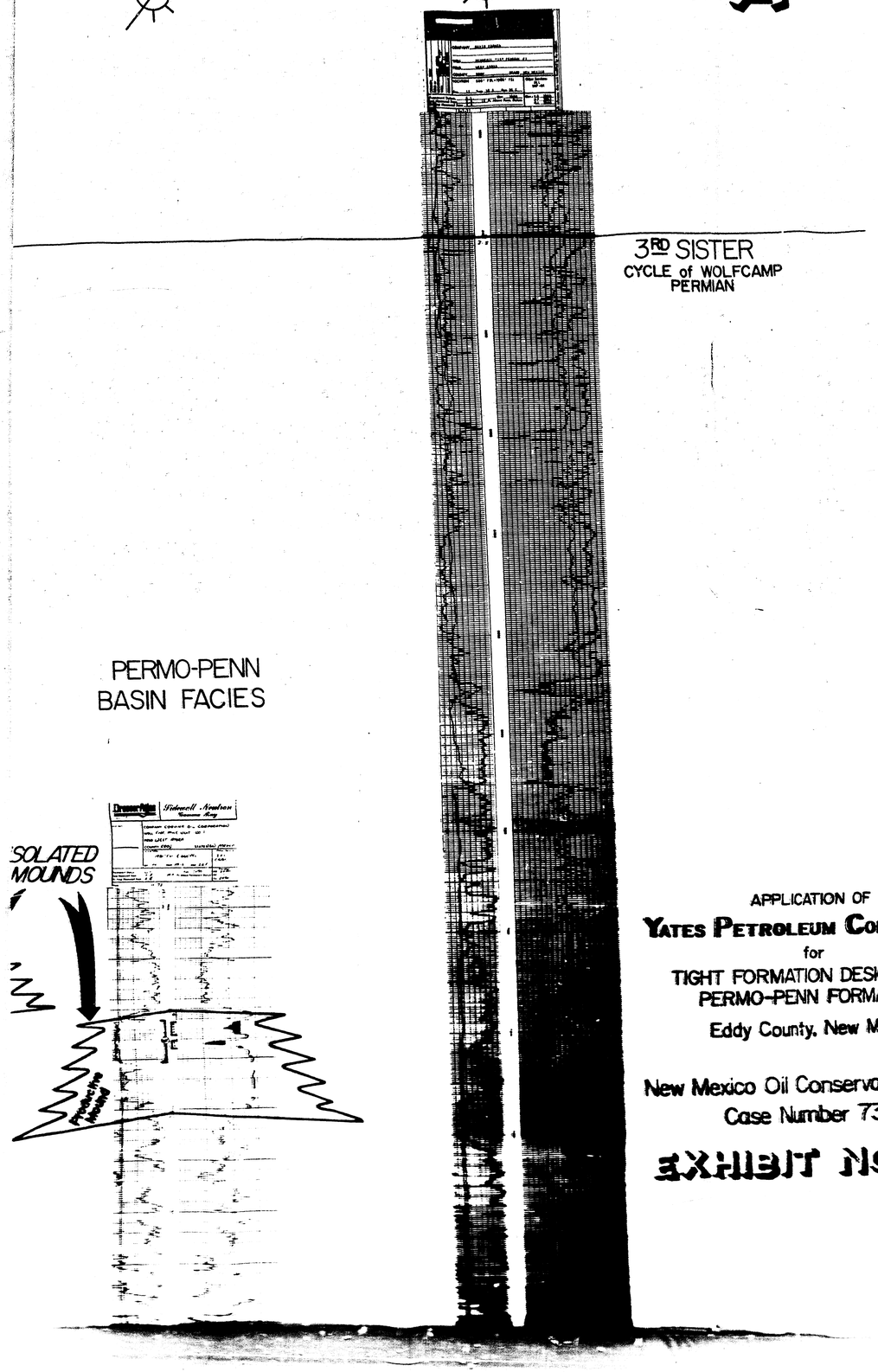
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3RD SISTER
CYCLE of WOLFCAMP
PERMIAN

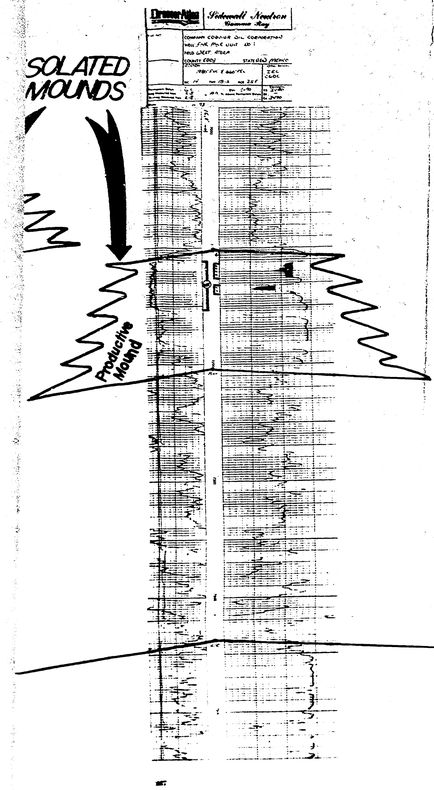
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BASIN FACIES

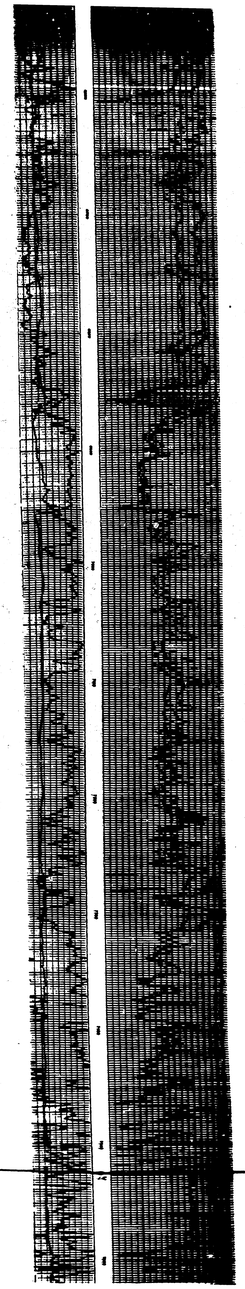
APPLICATION OF
YATES PETROLEUM CORPORATION
for
TIGHT FORMATION DESIGNATION
PERMO-PENN FORMATION
Eddy County, New Mexico

New Mexico Oil Conservation Division
Case Number 7352

EXHIBIT NO. 5

PERMO-PENN
BASIN FACIES



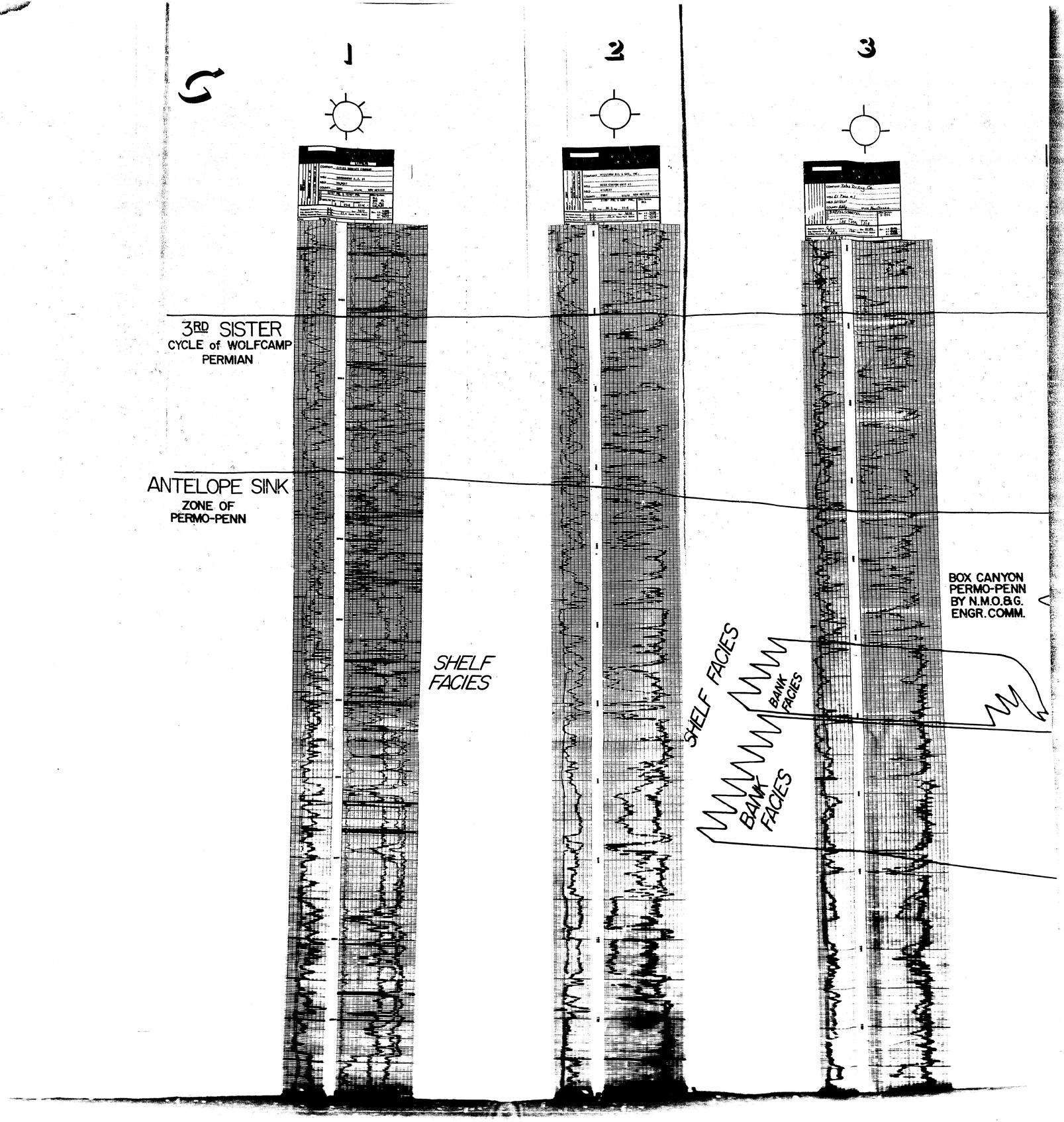


CANYON

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


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3RD SISTER
CYCLE of WOLFCAMP
PERMIAN
ANTELOPE SINK
ZONE OF
PERMO-PENN
SHELF
FACIES
SHELF FACIES
BANK
FACIES
BANK
FACIES
BOX CANYON
PERMO-PENN
BY N.M.O.&G.
ENGR. COMM.

ANTELOPE SINK
ZONE OF
PERMO-PENN

SHELF
FACIES

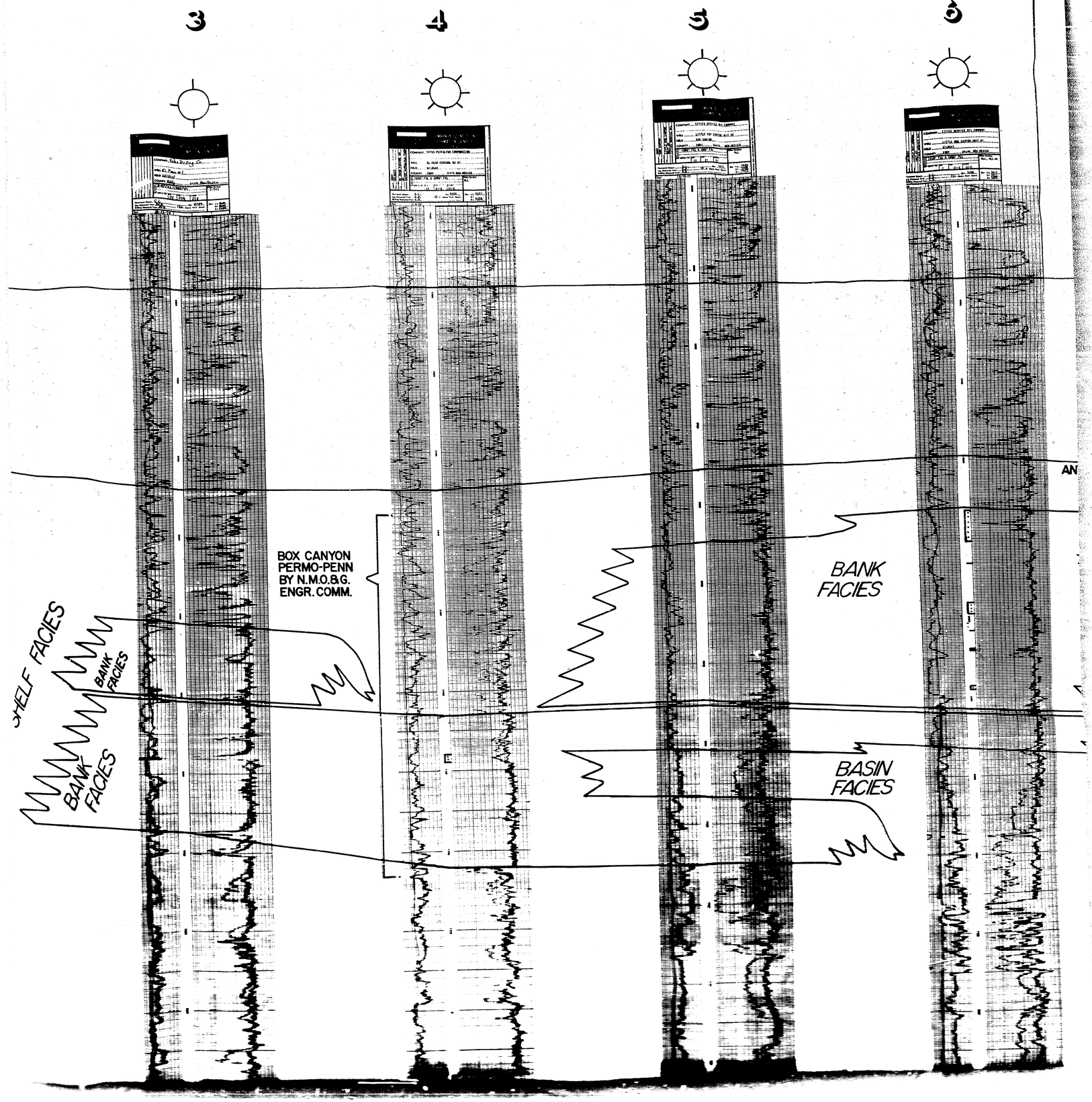
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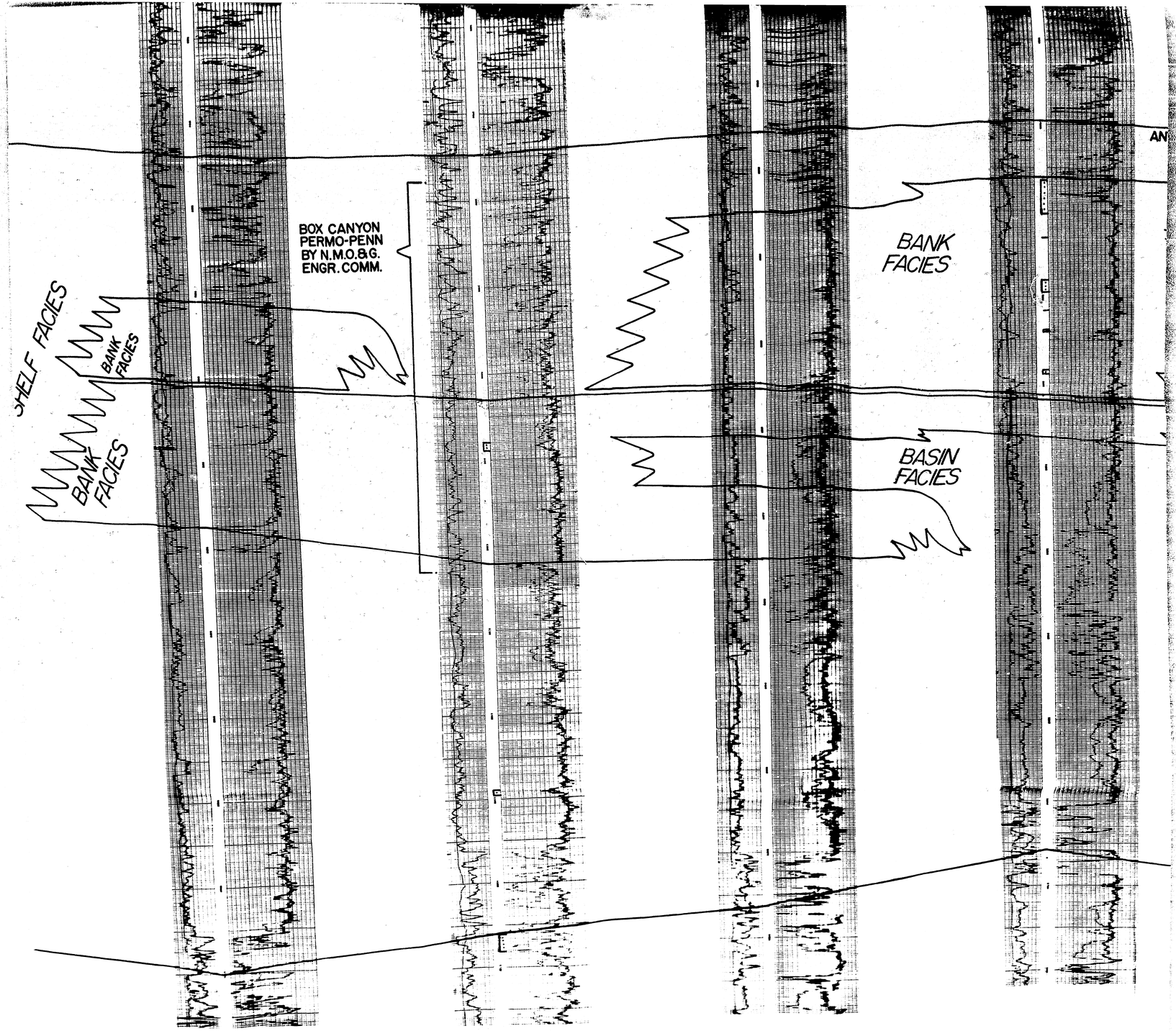
BANK
FACIES

BANK
FACIES

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

CANYON


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BOX CANYON
PERMO-PENN
BY N.M.O.&G.
ENGR. COMM.
SHELF FACIES
BANK FACIES
BANK FACIES
BANK FACIES
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BOX CANYON
PERMO-PENN
BY N.M.O.&G.
ENGR. COMM.
SHELF FACIES
BANK FACIES
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BANK FACIES
BASIN FACIES
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ANTELOPE SINK
Zone Of
Permo-Penn

BASIN FACIES

BANK FACIES

BASIN FACIES

3RD SISTER
CYCLE of WOLFCAMP
PERMIAN

ANTELOPE SINK
Zone Of
Permo-Penn

BASIN FACIES

BANK FACIES

BASIN FACIES

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. 7

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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

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

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

EAGLE CR
PERMO-P
OF N.M.O
ENGR. CC

ANTELOPE SINK
ZONE OF PERMO-PENN

BANK
FACIES

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

BASIN
FACIES

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

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

EAGLE CR
PERMO-P
OF N.M.O
ENGR. CC

CANYON

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

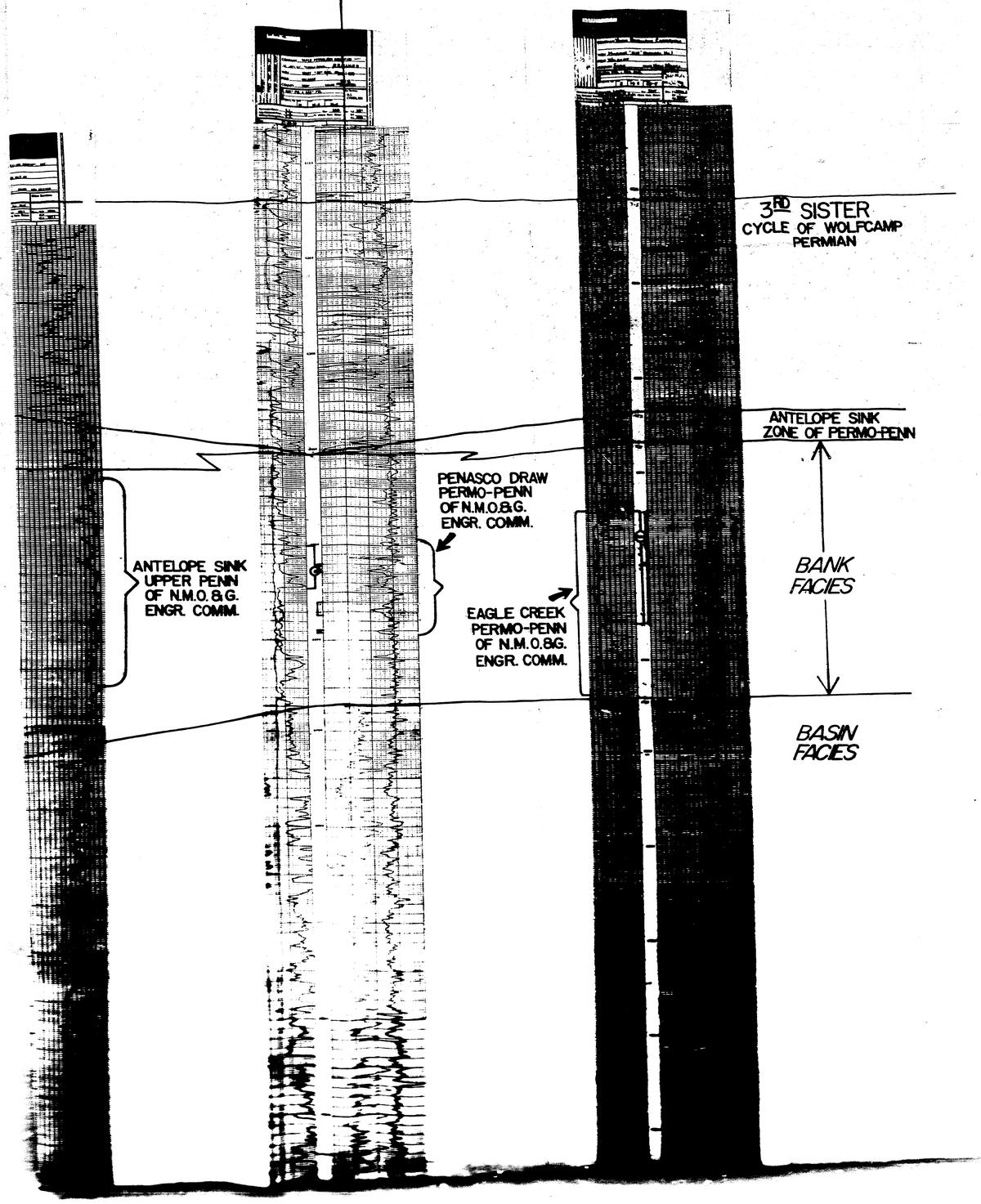
New Mexico Oil Conservation Division
Case Number 7262

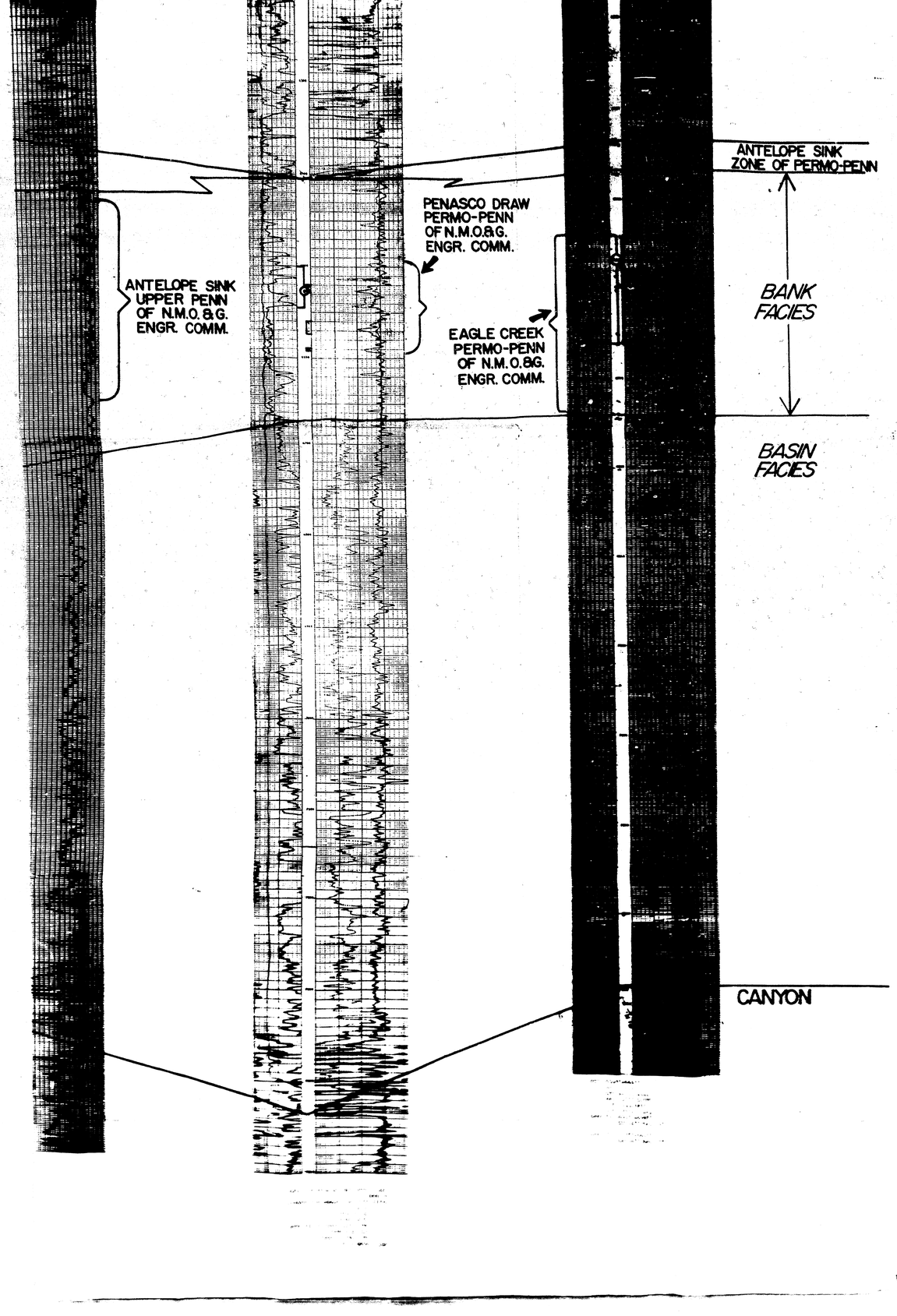
EXHIBIT No. 8

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3RD SISTER
CYCLE OF WOLFCAMP
PERMIAN
ANTELOPE SINK
ZONE OF PERMO-PENN
PENASCO DRAW
PERMO-PENN
OF N.M.O.&G.
ENGR. COMM.
ANTELOPE SINK
UPPER PENN
OF N.M.O.&G.
ENGR. COMM.
EAGLE CREEK
PERMO-PENN
OF N.M.O.&G.
ENGR. COMM.
BANK
FACIES
BASIN
FACIES


ANTELOPE SINK
ZONE OF PERMO-PENN
PENASCO DRAW
PERMO-PENN
OF N.M.O.&G.
ENGR. COMM.
ANTELOPE SINK
UPPER PENN
OF N.M.O.&G.
ENGR. COMM.
EAGLE CREEK
PERMO-PENN
OF N.M.O.&G.
ENGR. COMM.
BANK
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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. 3

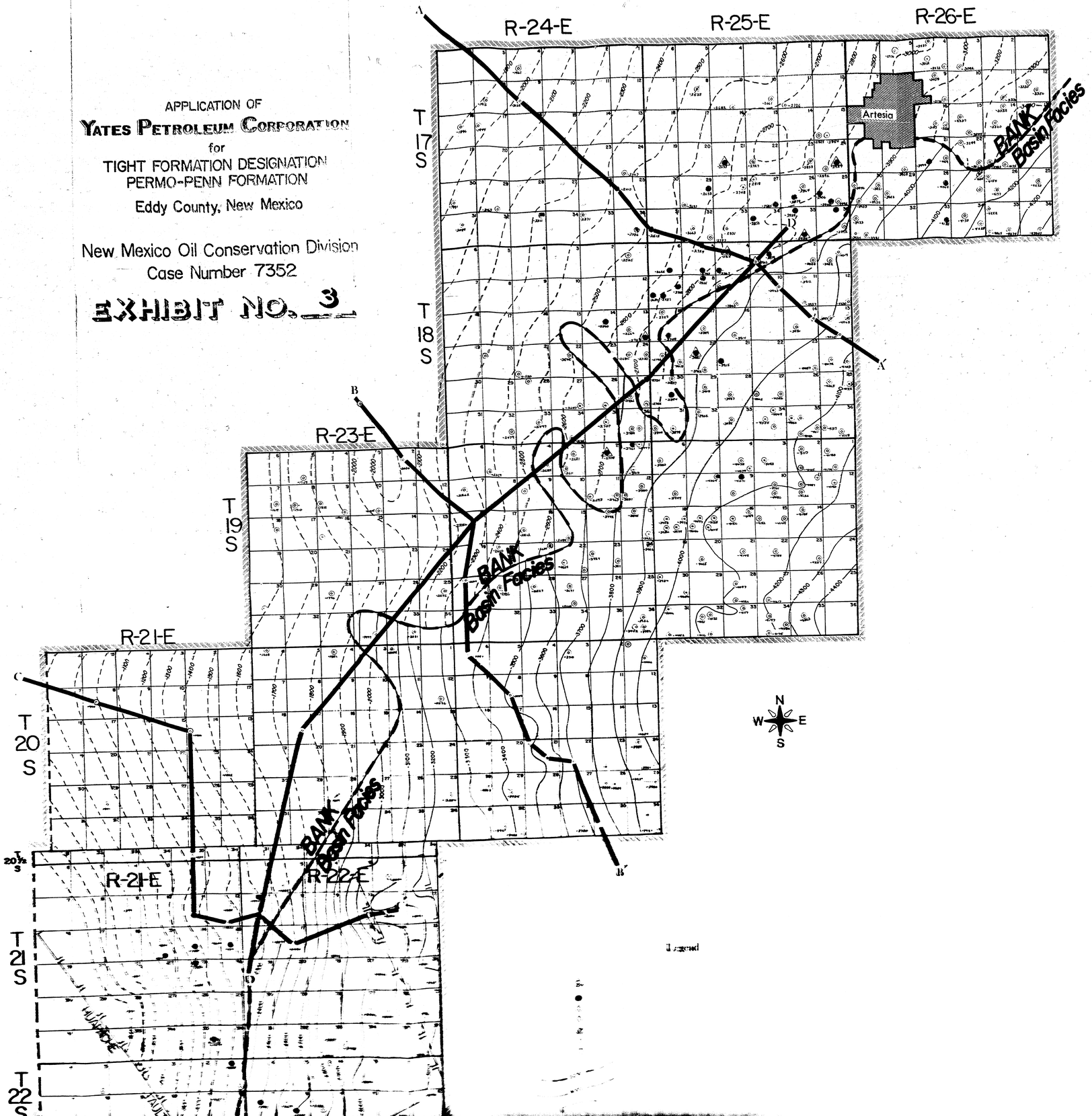
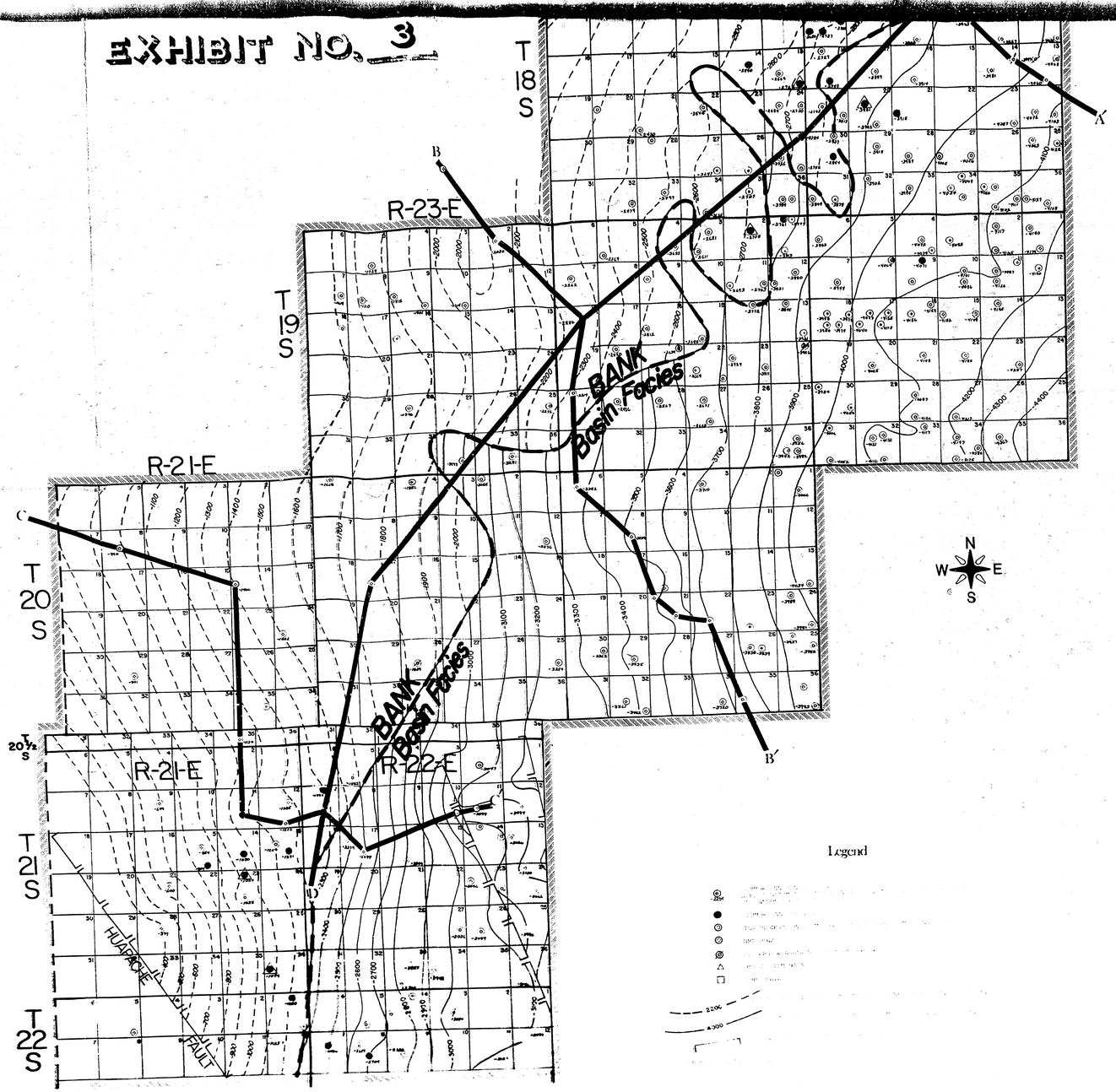


EXHIBIT NO. 3



Legend

SYSTEM	SERIES	FORMATION	
Quaternary	Recent	ALLUVIUM	
PERMIAN	Guadalupian	Seven Rivers	
		Queen	
		Grayburg	
		San Andres	
		Glorieta	
	Leonardian	Yeso	
		Abo	
	Wolfcampian	Wolfcamp	
		3rd Sister	
		Antelope Sink	Permo-Penn Stratigraphic Interval Sought To Be Covered By This Application
PENNSYLVANIAN	Virgilian (Cisco)	Cisco	
	Missourian (Canyon)	Canyon	
	Des Moinesian (Strawn)	Strawn	
	Atokan	Atoka	
	Morrowan	Morrow	
		Barnett	
MISSISSIPPIAN		Mississippian Lime	
DEVONIAN		Woodford	
SILURIAN		Siluro-Devonian Interval	
ORDOVICIAN		Simpson	
		Ellenburger	
PRE-CAMBRIAN		Pre-Cambrian	

Stratigraphic Column for West Eddy County, N.M.

Vertical Scale 1" = 1000'

DATE: STRATIGRAPHIC CORRELATION
APPLICATION FOR TIGHT FORMATION
DESIGNATION - PERM FORMATION
CASE NO. 7351
EXHIBIT NO. 4

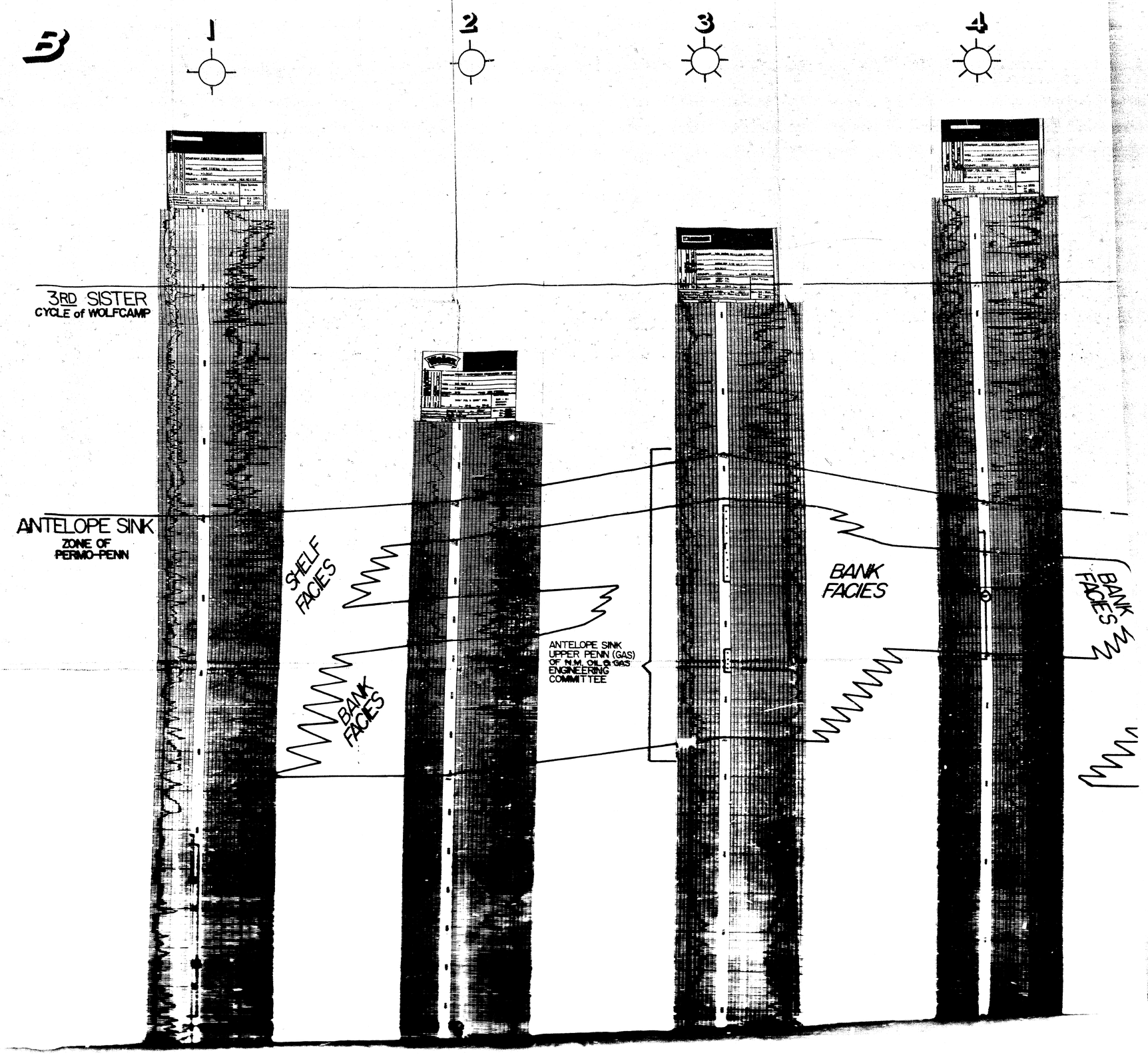
OIL CONSERVATION DIVISION
P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210

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DOCUMENT NUMBER 7351
NEW NUMBER 5
EXHIBIT NUMBER 377
DATE 2-16-88
WITHDRAWN BY S. Ellis


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3RD SISTER
CYCLE of WOLFCAMP
ANTELOPE SINK
ZONE OF
PERMO-PENN
SHELF
FACIES
BANK
FACIES
ANTELOPE SINK
UPPER PENN (GAS)
OF N.M. OIL & GAS
ENGINEERING
COMMITTEE
BANK
FACIES
BANK
FACIES

CYCLE of WOLFCAMP

ANTELOPE SINK
ZONE OF
PERMO-PENN

SHELF FACIES

BANK FACIES

ANTELOPE SINK
UPPER PENN (GAS)
OF N.M. OIL & GAS
ENGINEERING
COMMITTEE

BANK FACIES

BANK FACIES

CANYON

APPLICATION OF
YATES PETROLEUM CORPORATION
FOR
TIGHT FORMATION DESIGNATION
PETROLEUM COMMISSION
STATE OF NEW MEXICO
CASE NUMBER 7332

EXHIBIT No. 6

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BANK FACIES

BANK FACIES

BASIN FACIES

TIGHT MOUND

BASIN FACIES

TIGHT MOUND

TIGHT MOUND

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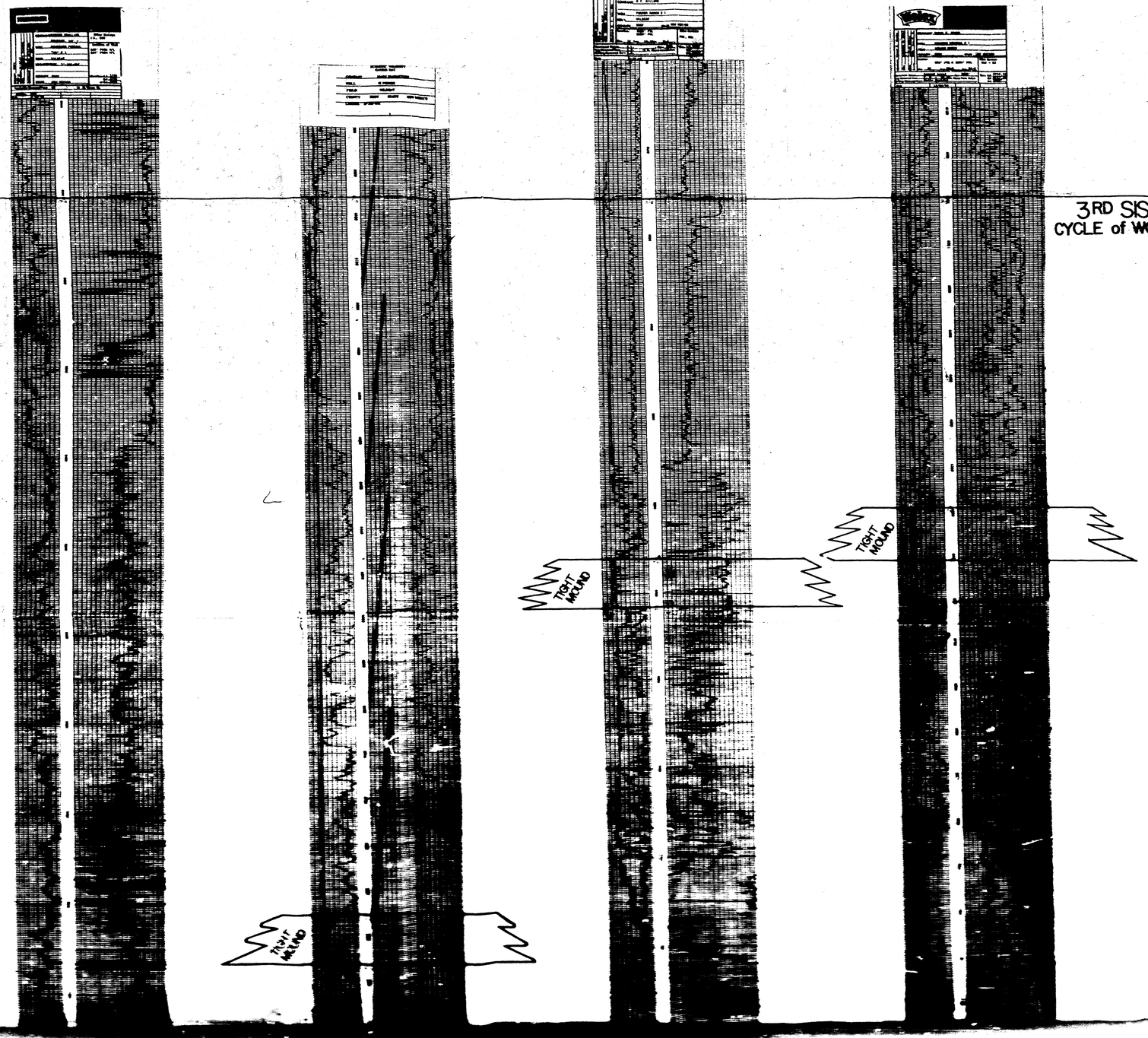
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3RD SISTER
CYCLE of WOLFCAMP
BASIN
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TIGHT
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3RD SISTER
CYCLE of WOLFCAMP

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FACIES

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