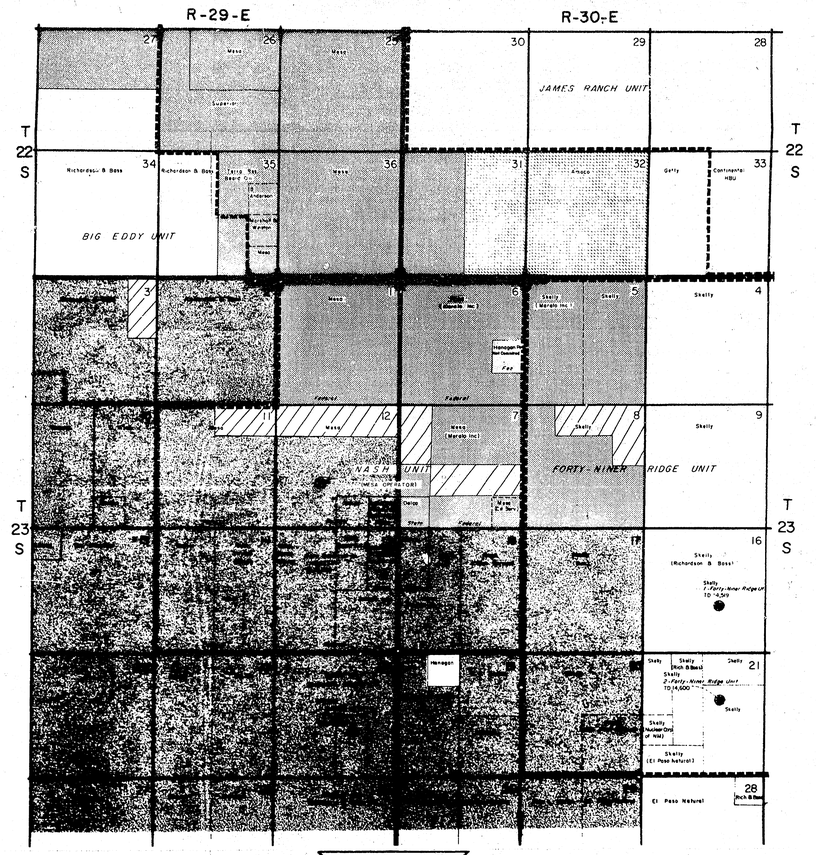
Case No.
6573

Large Exhibits



PRODUCTION LEGEND
- DELAWARE
- WOLFCAMP
- ATOKA
- MORROW

POTASH LEASES
- DUVAL
- IMC
- HODGES-PCA
- UNLEASED POTASH

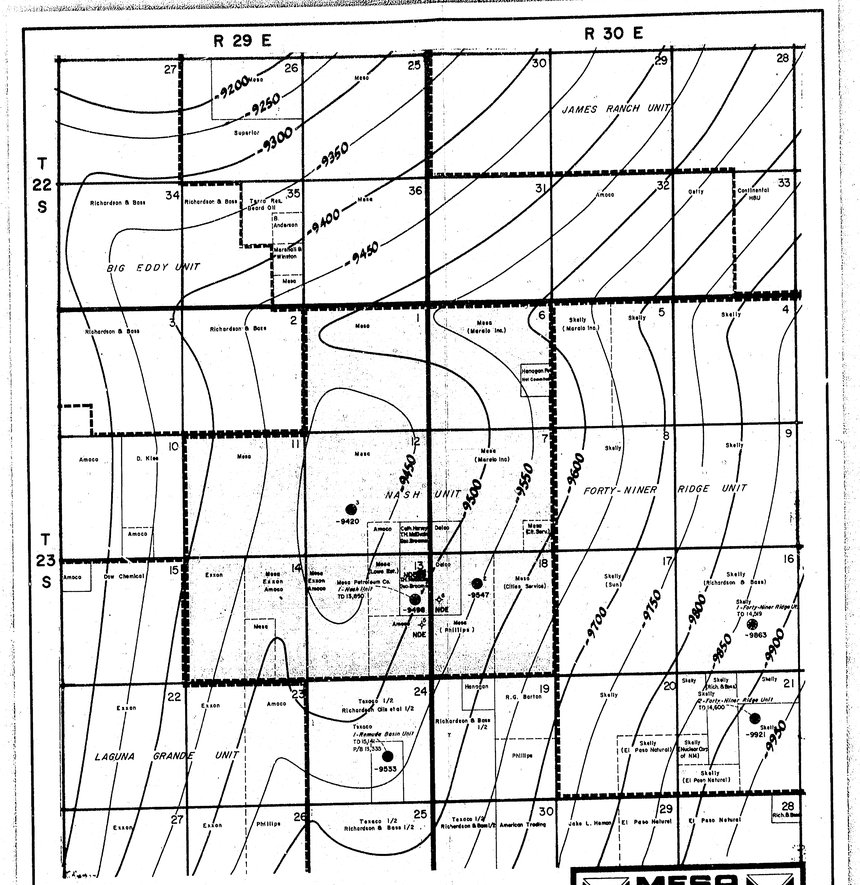
MESA PETROLEUM CO.

NASH UNIT

EDDY COUNTY, NEW MEXICO

SCALE 1"=2000'

EXHIBIT NO. 1



MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

NASH UNIT
Eddy County, New Mexico

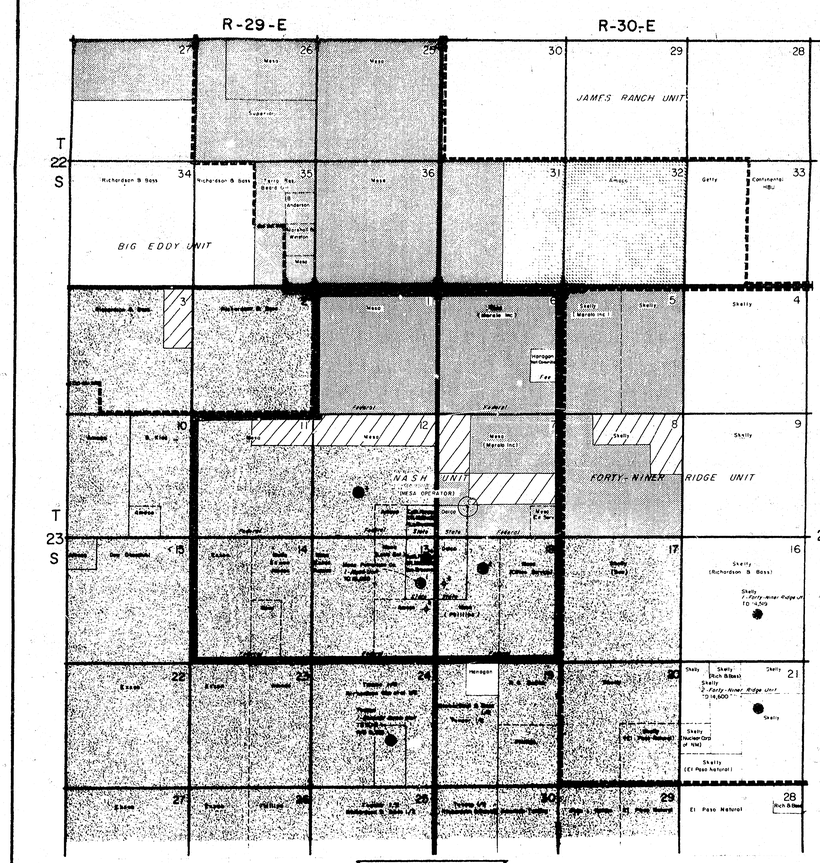
STRUCTURE MAP
Base Atoka Bank
C.I. = 50'

BY: JBM
DATE: 5-8-79
DRAWN BY: JCS
SCALE: 1" = 1000'

PRODUCTION CODE

- Delaware (Cherry Canyon)
- Wolfcamp
- Atoka
- Morrow

Exhibit No. 2



PRODUCTION LEGEND
- DELAWARE
- WOLFCAMP
- ATOKA
- MORROW

POTASH LEASES
- DUVAL
- IMC
- HODGES-PCA
- UNLEASED POTASH

MESA PETROLEUM CO.

NASH UNIT

EDDY COUNTY, NEW MEXICO

SCALE: 1"=2000'

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
Mesa EXHIBIT NO. 1
CASE NO. 6573

EXHIBIT NO. 1

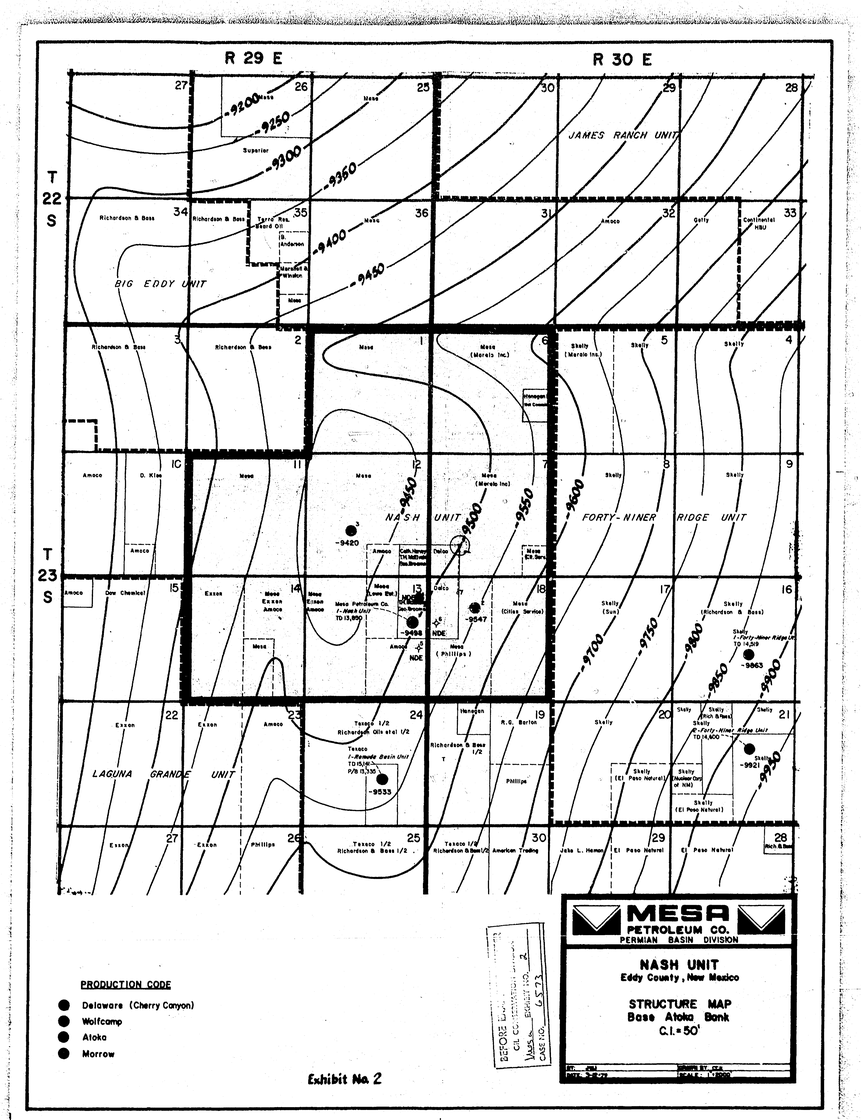

R 29 E
R 30 E
T 22 S
T 23 S
JAMES RANCH UNIT
BIG EDDY UNIT
NASH UNIT
FORTY-NINER RIDGE UNIT
LAGUNA GRANDE UNIT
-9200
-9250
-9300
-9350
-9400
-9450
-9500
-9550
-9600
-9700
-9750
-9800
-9850
-9900
-9950
-9420
-9498
-9547
-9533
-9963
-9921
PRODUCTION CODE
Delaware (Cherry Canyon)
Wolfcamp
Atoka
Morrow
MESA PETROLEUM CO.
PERMIAN BASIN DIVISION
NASH UNIT
Eddy County, New Mexico
STRUCTURE MAP
Base Atoka Bank
C.I. = 50'
BEFORE THE OIL CONSERVATION COMMISSION
CASE NO. 6523

Exhibit No. 2

A →

MESA PET. CO.
NASH UNIT NO. 3
T.D. 13,752'
1980'FSL & FWL
Sec. 12 - T23S - R29E

COMP. 10-27-76
IPCAOF 8,448 MCFGPD ATOKA
FIRST PROD. 12-76
CUM. 1-1-79 1,770,800 MCF

MESA PET. CO.
NASH UNIT NO. 1
T.D. 13,850'
1980' FNL & 660' FEL
Sec. 13 - T23S - R29E

COMP. 5-30-74
IPCAOF 3,919 MCF MORROW
FIRST PROD. 6-75
CUM. 1-1-79 1,554,200MCF

MESA PET. CO.
NASH UNIT NO. 2
T.D. 13,957'
1350'FNL & 1980'FWL
Sec. 18 - T 23 S - R 30 E

DUAL COMP. 4-23-76
IPCAOF 4,847 MCFGPD ATOKA Ss
IPCAOF 11,446 MCFGPD MORROW
FIRST PROD. 6-75
CUM. 1-1-79 MOR 2,982,600 MCF
ATOKA 108,751 MCF

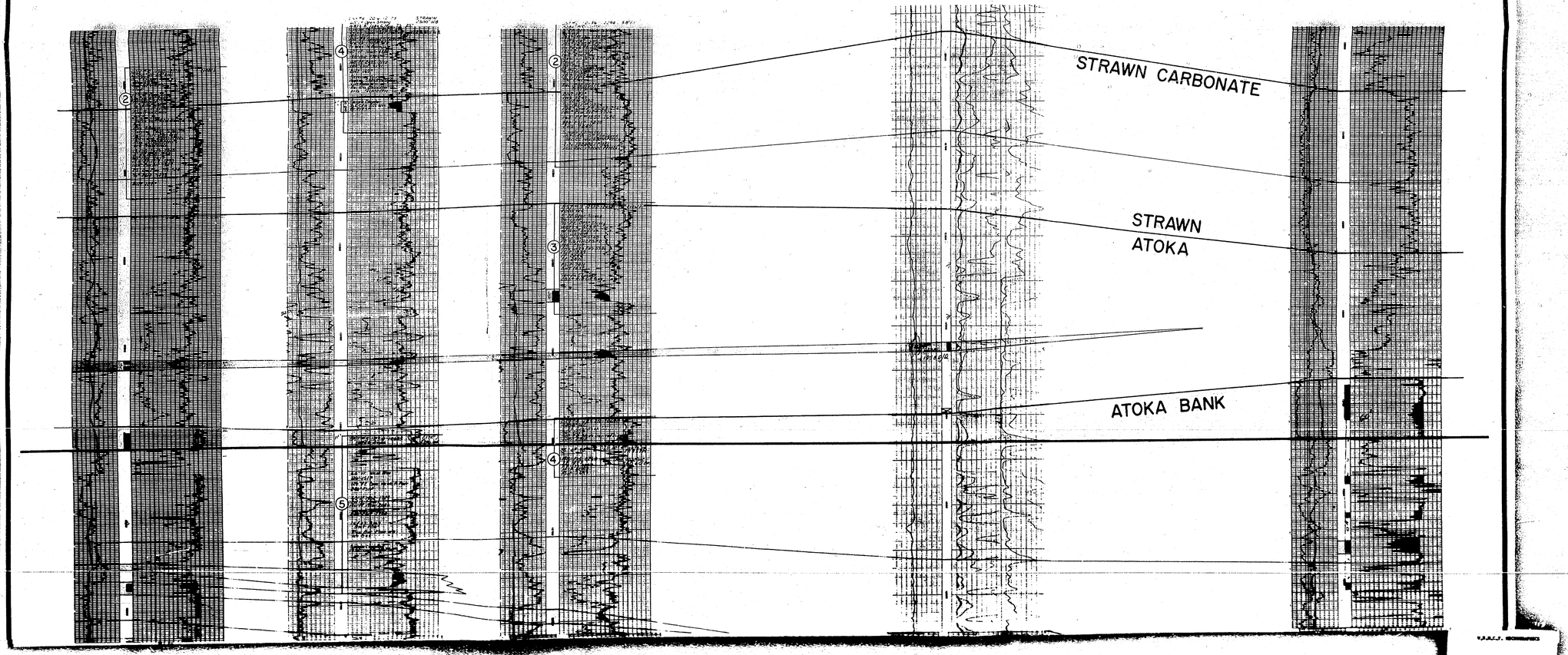
SHELL OIL CO.
JAMES RANCH UNIT NO. 1
T.D. 17,555'
660' FSL & 2009' FEL
Sec. 36 - T 22 S - R 30 E

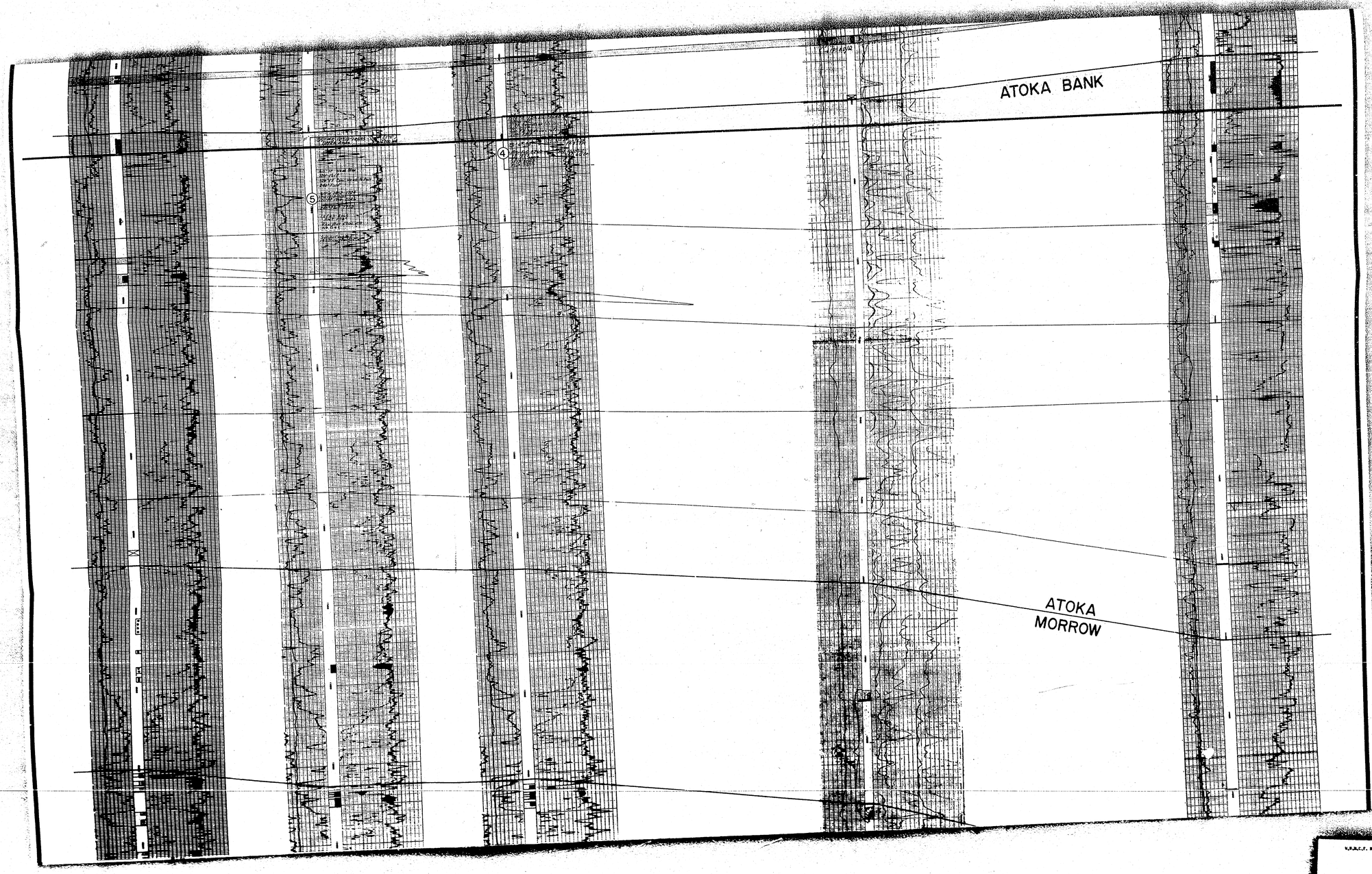
COMP. 3-1-58
IPCAOF 9MMCFGPD + 104 BO ATOKA Ss
CUM. 1-1-79 20,295,500 MCF + 232,537 BO
AVE. MONTHLY PROD. 1975 114,303 MCF
EST. ULT. 46 BCF

← A'

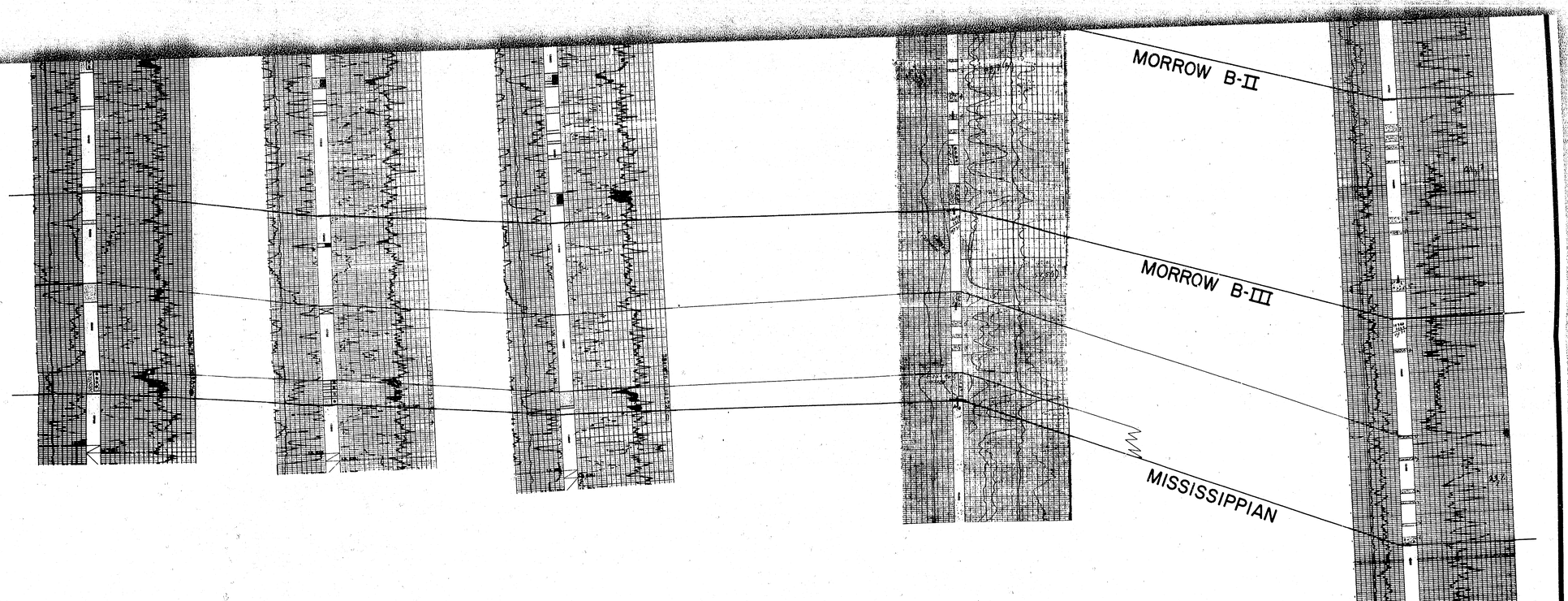
TEXAS AMERICAN OIL CORP.
TODD FEDERAL "26" NO. 1
T.D. 15,800'
1980' FNL & FEL
Sec. 26 - T 23 S - R 31 E

COMP. 12-12-69
IPCAOF 75MM CFGPD ATOKA Ss & CARBONATE
FIRST PROD. 3-70
CUM. 1-1-79 14,349,400 MCF
AVE. MONTHLY PROD. 1975 84,962 MCF
+19,217 BW/MO.
EST. ULT. 24 BCF





U.S.G.S. ECONOMICS
BEST AVAILABLE COPY

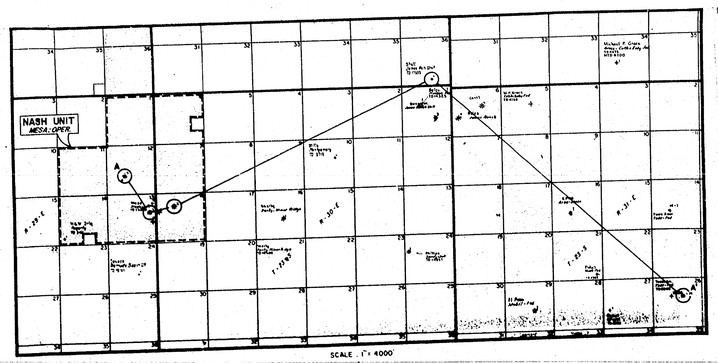


200 ft.
100 ft.
VERTICAL SCALE
0
NO HORIZONTAL SCALE

LEGEND

ATOKA PRODUCER

MORROW PRODUCER



MESA
PETROLEUM CO.
PERMIAN BASIN DIVISION

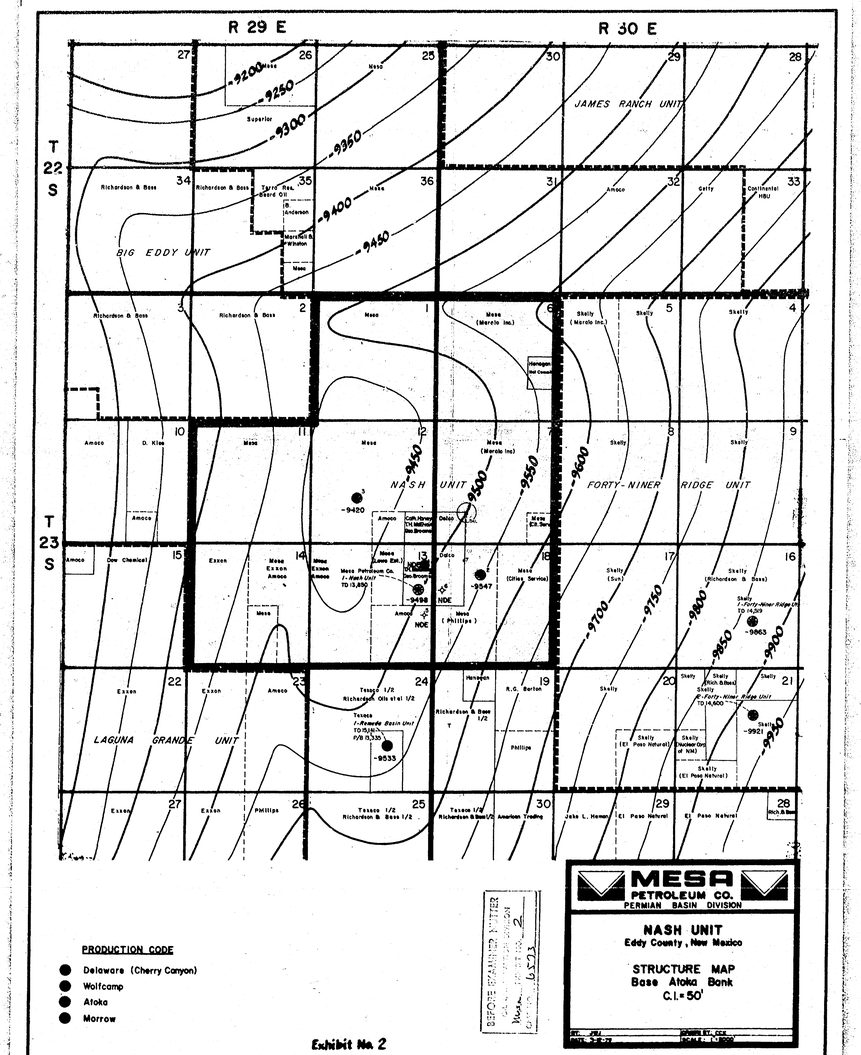
NASH UNIT AREA
Eddy County, New Mexico
STRATIGRAPHIC CROSS-SECTION A-A'
DATUM BASE ATOKA SAND

EXHIBIT IV

MESA 4
6573

MESA
PETROLEUM CO.
PERMIAN AREA DIVISION

PROPOSED DRILLING LOCATION
FOR
DIRECTIONAL DRILLED WELL
NASH UNIT AREA



PRODUCTION CODE

- Delaware (Cherry Canyon)
- Wolfcamp
- Atoka
- Morrow

Exhibit No. 2

BEFORE EXAMINER UTTER
OIL CONSERVATION COMMISSION
Mesa Exhibit No. 2
CASE 5573

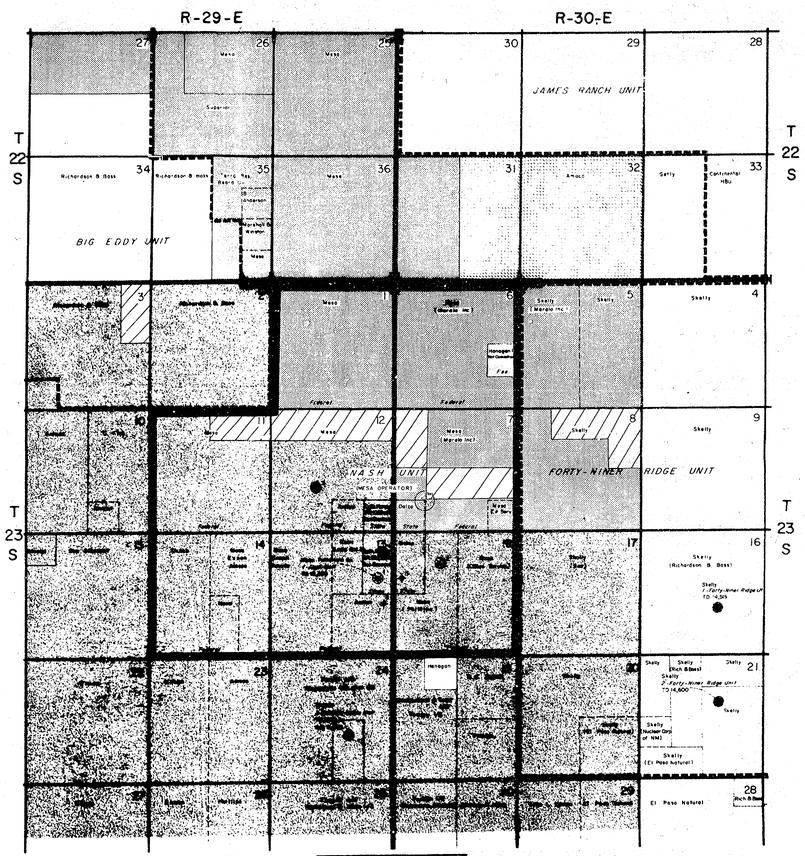
MESA
PETROLEUM CO.
PERMIAN BASIN DIVISION

NASH UNIT
Eddy County, New Mexico

STRUCTURE MAP
Base Atoka Bank
C.I. = 50'

BY: JPH | SUPERV. BY: CCK
DATE: 3-2-79 | SCALE: 1" = 2000'

U.S.G.S. RECEIVED
NOT AVAILABLE FOR FILM



PRODUCTION LEGEND

- DELAWARE
- WOLFCAMP
- ATOKA
- MORROW

POTASH LEASES

- DUVAL
- IMC
- HODGES-PCA
- UNLEASED POTASH

MESA PETROLEUM CO.

NASH UNIT

EDDY COUNTY, NEW MEXICO

SCALE: 1"=2000'

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
EXHIBIT NO. 1
CASE NO. 6573

EXHIBIT NO. 1

A →

MESA PET. CO.
NASH UNIT NO. 3
T.D. 13,752'
1980'FSL & FWL
Sec. 12 - T 23 S - R 29 E

COMP. 10-27-76
IPCAOF 8,448 MCFGPD ATOKA
FIRST PROD. 12-76
CUM. 1-1-79 1,770,800 MCF

MESA PET. CO.
NASH UNIT NO. 1
T.D. 13,850'
1980' FNL & 660' FEL
Sec. 13 - T 23 S - R 29 E

COMP. 5-30-74
IPCAOF 3,919 MCF MORROW
FIRST PROD. 6-75
CUM. 1-1-79 1,554,200MCF

MESA PET. CO.
NASH UNIT NO. 2
T.D. 13,957'
1350'FNL & 1980'FWL
Sec. 18 - T 23 S - R 30 E

DUAL COMP. 4-23-76
IPCAOF 4,847 MCFGPD ATOKA Ss
IPCAOF 11,446 MCFGPD MORROW
FIRST PROD. 6-75
CUM. 1-1-79 MOR 2,982,600 MCF
ATOKA 108,751 MCF

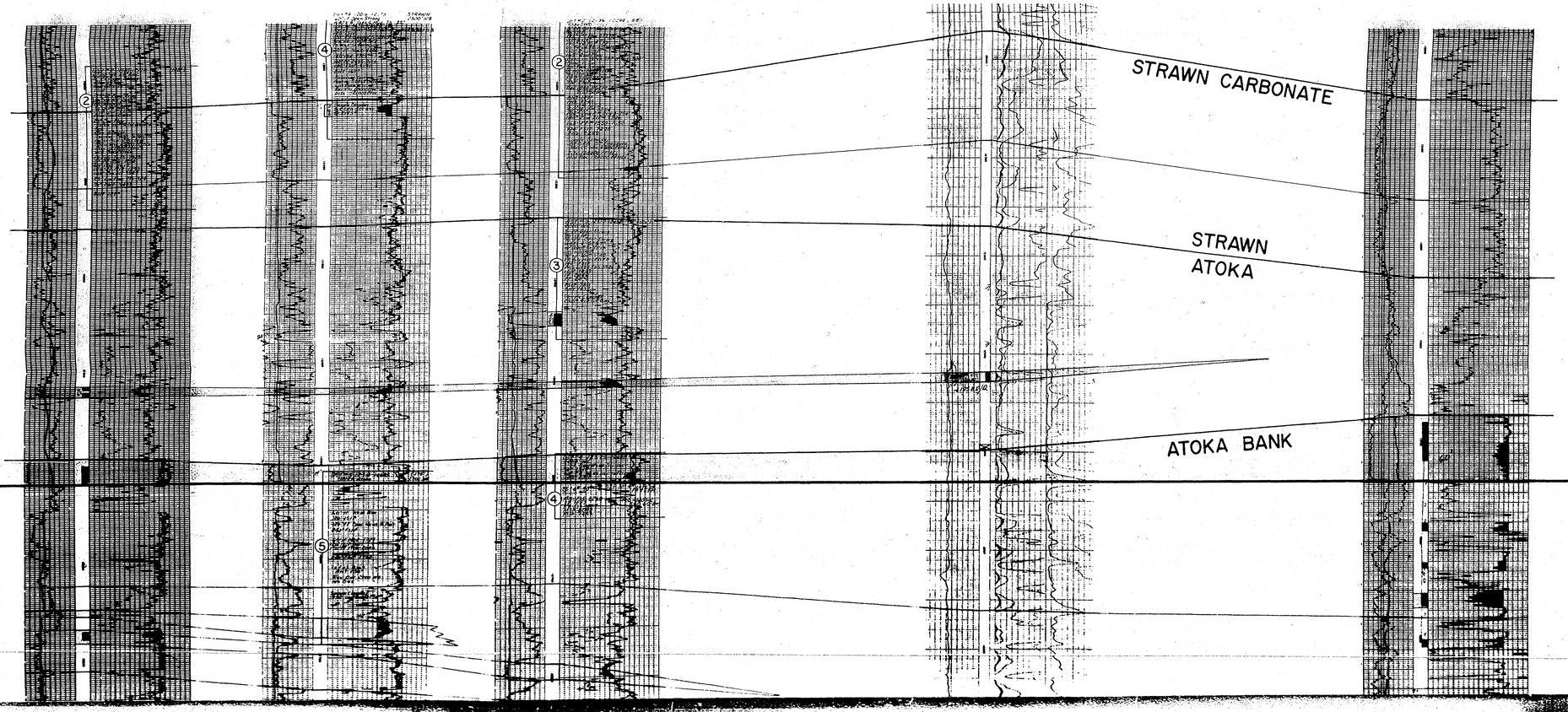
SHELL OIL CO.
JAMES RANCH UNIT NO. 1
T.D. 17,555'
660' FSL & 2009' FEL
Sec. 36 - T 22 S - R 30 E

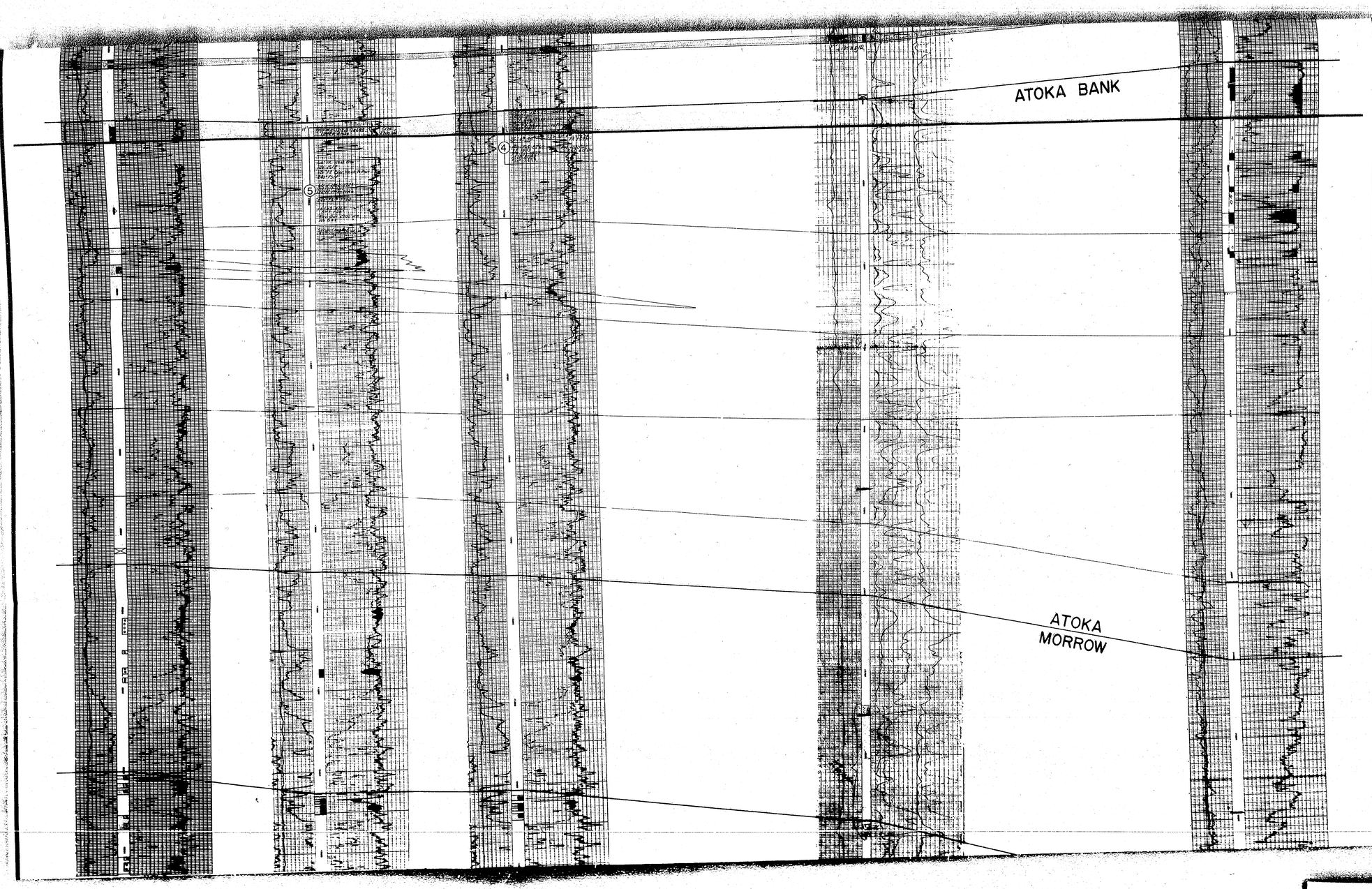
COMP. 3-1-58
IPCAOF 9MMCFGPD + 104 BO ATOKA Ss
CUM. 1-1-79 20,295,500 MCF + 232,537 BO
AVE. MONTHLY PROD. 1975 114,303 MCF
EST. ULT. 46 BCF

A' ←

TEXAS AMERICAN OIL CORP.
TODD FEDERAL "26" NO. 1
T.D. 15,800'
1980' FNL & FEL
Sec. 26 - T 23 S - R 31 E

COMP. 12-12-69
IPCAOF 75MM CFGPD ATOKA Ss & CARBONATE
FIRST PROD. 3-70
CUM. 1-1-79 14,349,400 MCF
AVE. MONTHLY PROD. 1975 84,962 MCF
+19,217 BW/MO.
EST. ULT. 24 BCF




ATOKA BANK
ATOKA
MORROW

ATOKA

MORROW

MORROW B-II

MORROW B-III

MISSISSIPPIAN

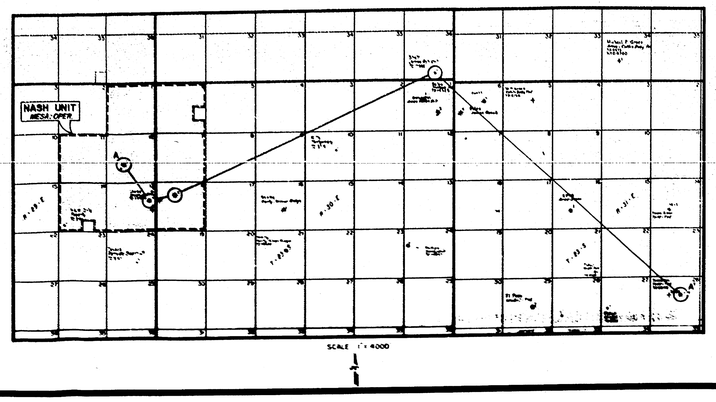
200'

100'

VERTICAL SCALE

0

NO HORIZONTAL SCALE



LEGEND

ATOKA PRODUCER

MORROW PRODUCER

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
CASE NO. 6593

MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

NASH UNIT AREA
Eddy County, New Mexico
STRATIGRAPHIC CROSS-SECTION A-A'
DATUM BASE ATOKA SAND

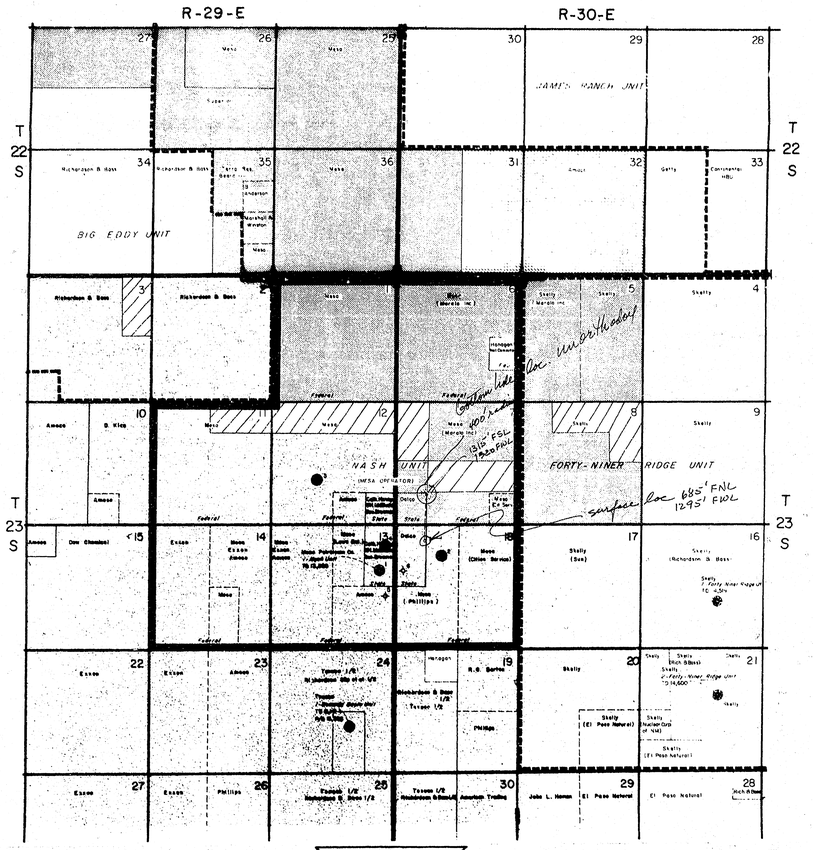
U.S.G.S. MICROGRAPHICS
BEST AVAILABLE COPY

EXHIBIT IV

Mesa 6573 4

MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

PROPOSED DRILLING LOCATION
FOR
DIRECTIONAL DRILLED WELL
NASH UNIT AREA



PRODUCTION LEGEND

- DELAWARE
- WOLFCAMP
- ATOKA
- MORROW

POTASH LEASES

- DUVAL
- IMC
- ~~HODGES-PCA~~
- UNLEASED POTASH

MESA PETROLEUM CO.

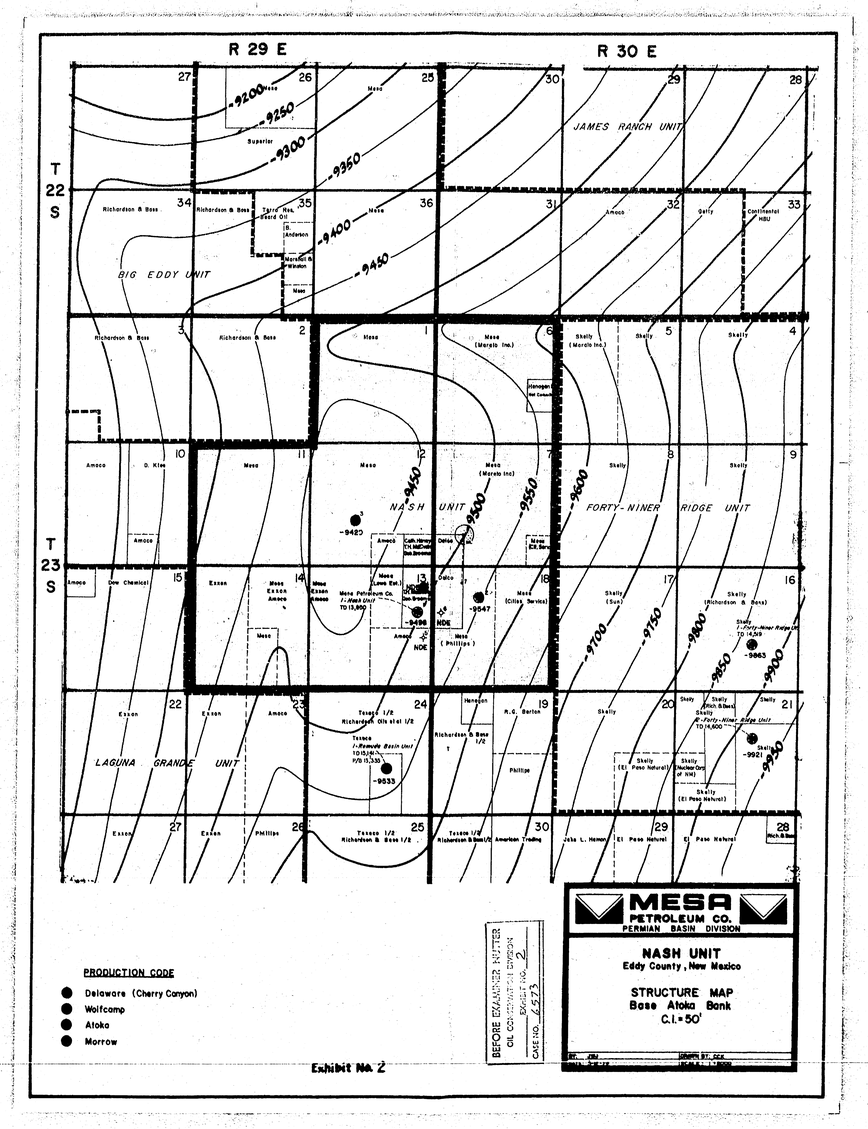
NASH UNIT

EDDY COUNTY, NEW MEXICO

SCALE: 1"=2000'

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
EXHIBIT NO. 1
CASE NO. 6573

EXHIBIT NO. 1



MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

NASH UNIT
Eddy County, New Mexico

STRUCTURE MAP
Base Atoka Bank
C.I.=50'

PRODUCTION CODE
- Delaware (Cherry Canyon)
- Wolfcamp
- Atoka
- Morrow

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
EXHIBIT NO. 2
CASE NO. 6573

Exhibit No. 2

U.S.G.S. RECORDS
BEST AVAILABLE COPY

A →

MESA PET. CO.
NASH UNIT NO. 3
T.D. 13,752'
1980'FSL & FWL
Sec. 12 - T 23 S - R 29 E

COMP. 10-27-76
IPCAOF 8,448 MCFGPD ATOKA
FIRST PROD. 12-76
CUM. 1-1-79 1,770,800 MCF

MESA PET. CO.
NASH UNIT NO. 1
T.D. 13,850'
1980' FNL & 660' FEL
Sec. 13 - T 23 S - R 29 E

COMP. 5-30-74
IPCAOF 3,919 MCF MORROW
FIRST PROD. 6-75
CUM. 1-1-79 1,554,200 MCF

MESA PET. CO.
NASH UNIT NO. 2
T.D. 13,957'
1350' FNL & 1980' FWL
Sec. 18 - T 23 S - R 30 E

DUAL COMP. 4-23-76
IPCAOF 4,847 MCFGPD ATOKA Ss
IPCAOF 11,446 MCFGPD MORROW
FIRST PROD. 6-75
CUM. 1-1-79 MOR 2,982,600 MCF
ATOKA 108,751 MCF

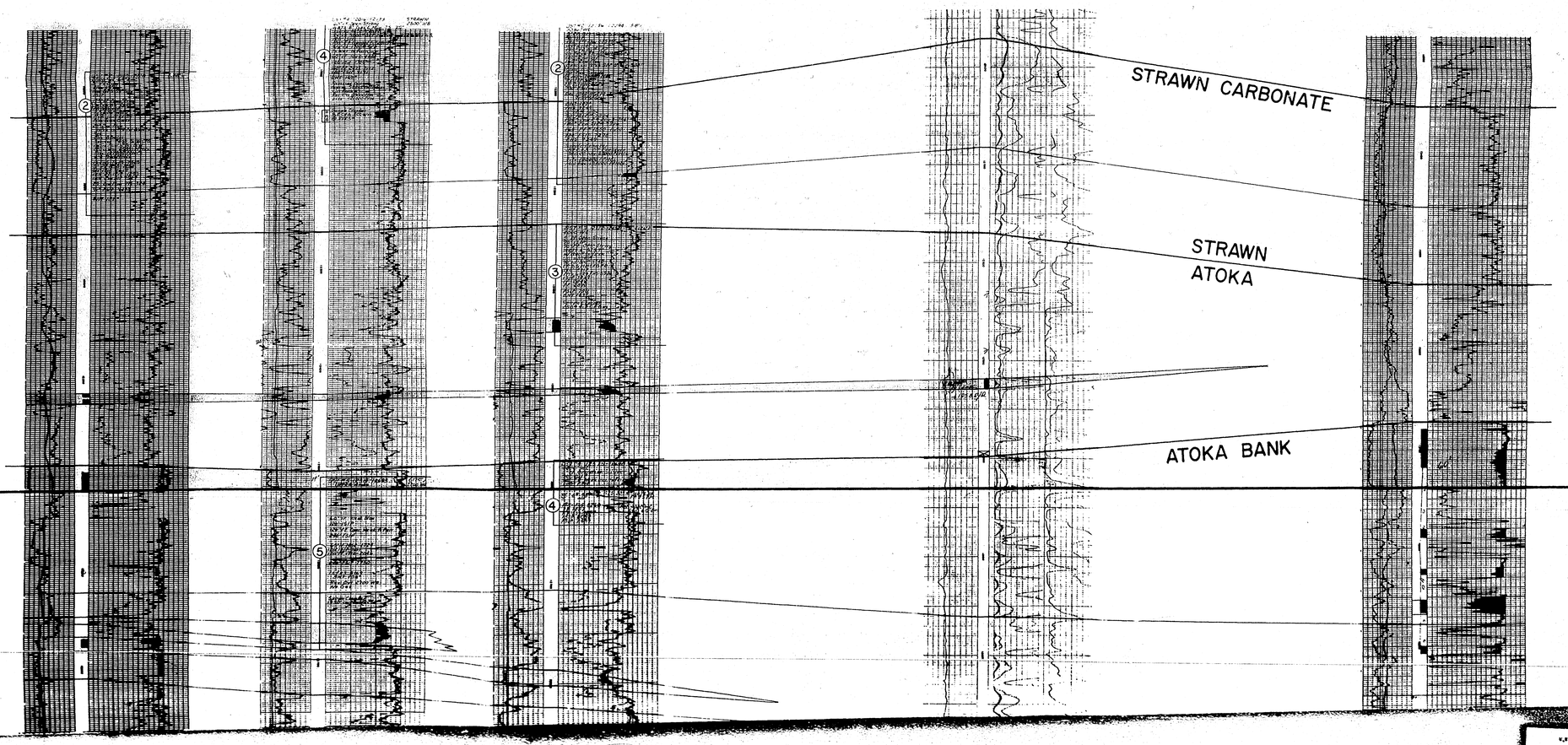
SHELL OIL CO.
JAMES RANCH UNIT NO. 1
T.D. 17,555'
660' FSL & 2009' FEL
Sec. 36 - T 22 S - R 30 E

COMP. 3-1-58
IPCAOF 9MMCFGPD + 104 BO ATOKA Ss
CUM. 1-1-79 20,295,500 MCF + 232,537 BO
AVE. MONTHLY PROD. 1975 114,303 MCF
EST. ULT. 46 BCF

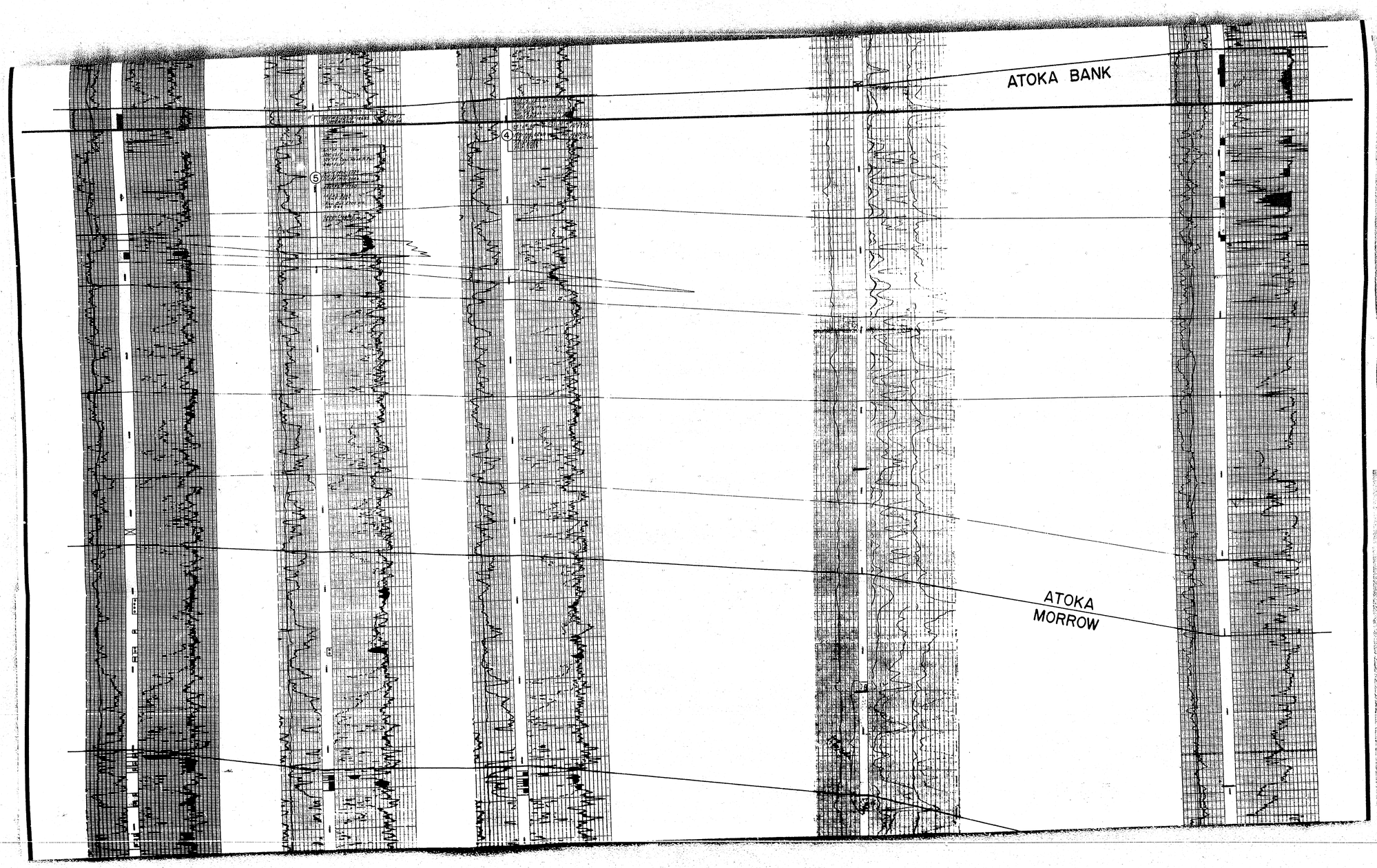
← A'

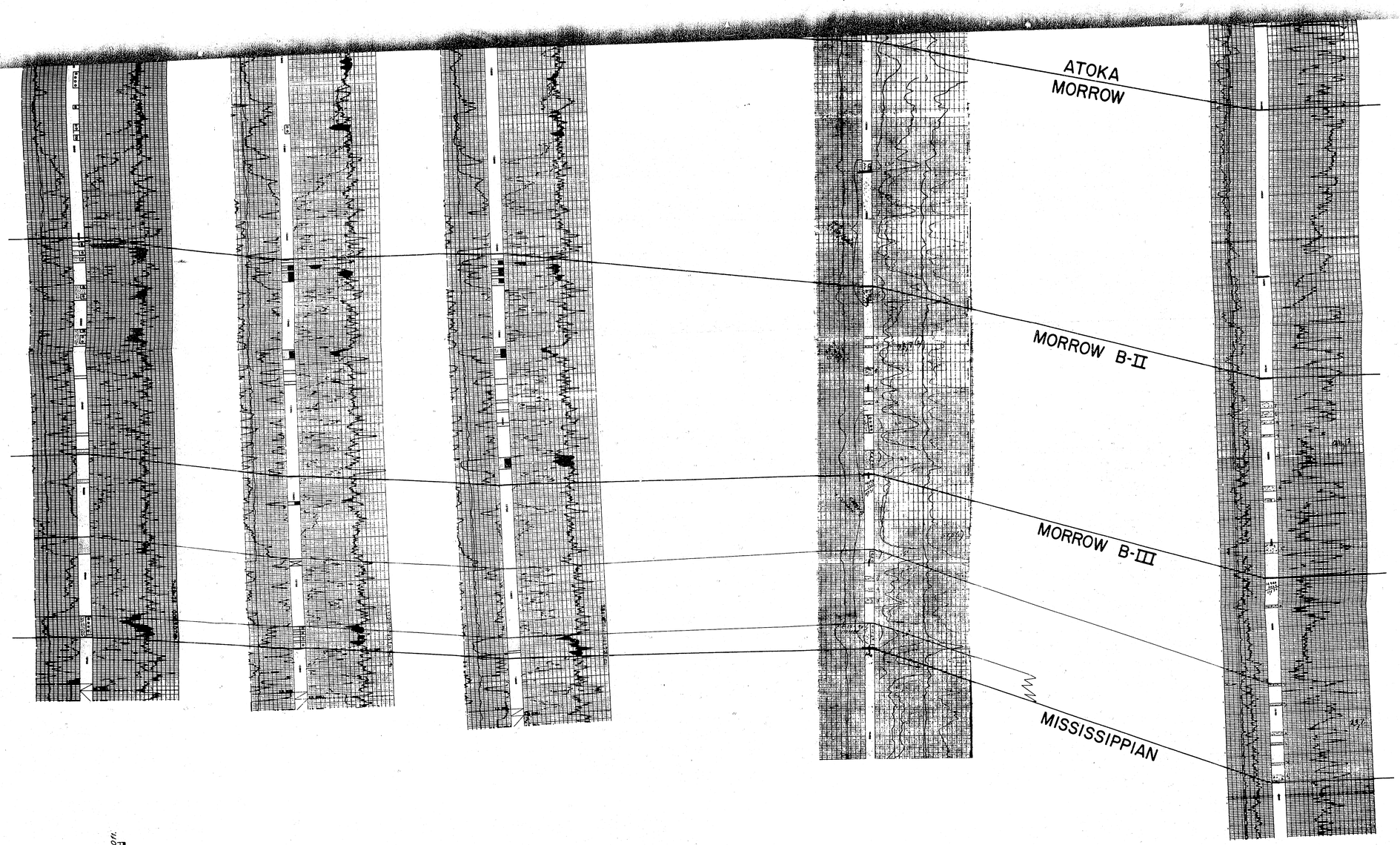
TEXAS AMERICAN OIL CORP.
TODD FEDERAL "26" NO. 1
T.D. 15,800'
1980' FNL & FEL
Sec. 26 - T 23 S - R 31 E

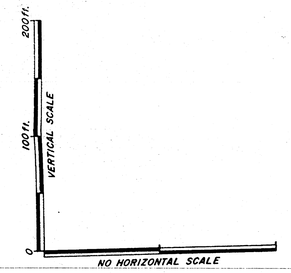
COMP. 12-12-69
IPCAOF 75MM CFGPD ATOKA Ss & CARBONATE
FIRST PROD. 3-70
CUM. 1-1-79 14,349,400 MCF
AVE. MONTHLY PROD. 1975 84,962 MCF
+19,217 BW/MO.
EST. ULT. 24 BCF



V.F.W.C.F. RECOMMENDS
BEST AVAILABLE COPY


ATOKA BANK
ATOKA
MORROW

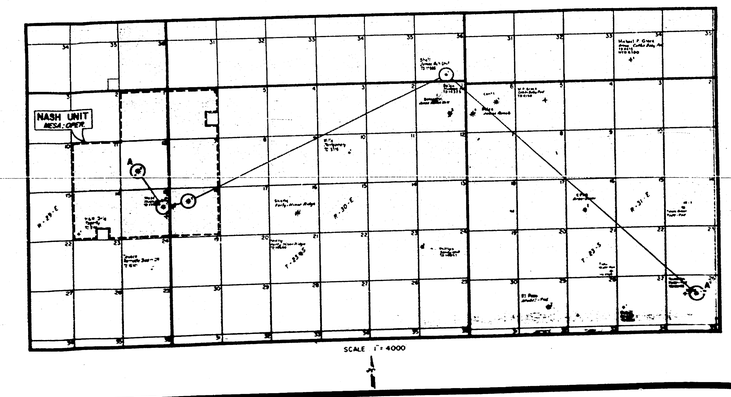




LEGEND

ATOKA PRODUCER

MORROW PRODUCER



BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 6475

MESA PETROLEUM CO.
PERMIAN BASIN DIVISION

NASH UNIT AREA
Eddy County, New Mexico
STRATIGRAPHIC CROSS-SECTION A-A'
DATUM BASE ATOKA SAND

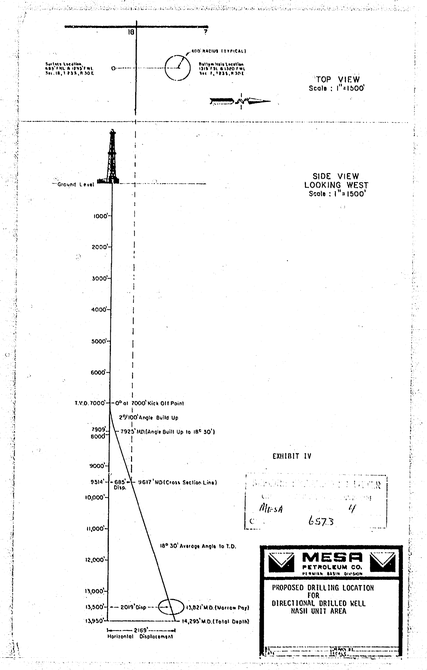


EXHIBIT IV

Mesa 4

6573

MESA
PETROLEUM CO.
WESTERN DIVISION

PROPOSED DRILLING LOCATION
FOR
DIRECTIONAL DRILLED WELL
WASH UNIT AREA

V.P.I.C.F. RECORDINGS

BEST AVAILABLE COPY