Case No
6930

Large Exhibits

N.M.O.C.D. MICROGRAPHICS

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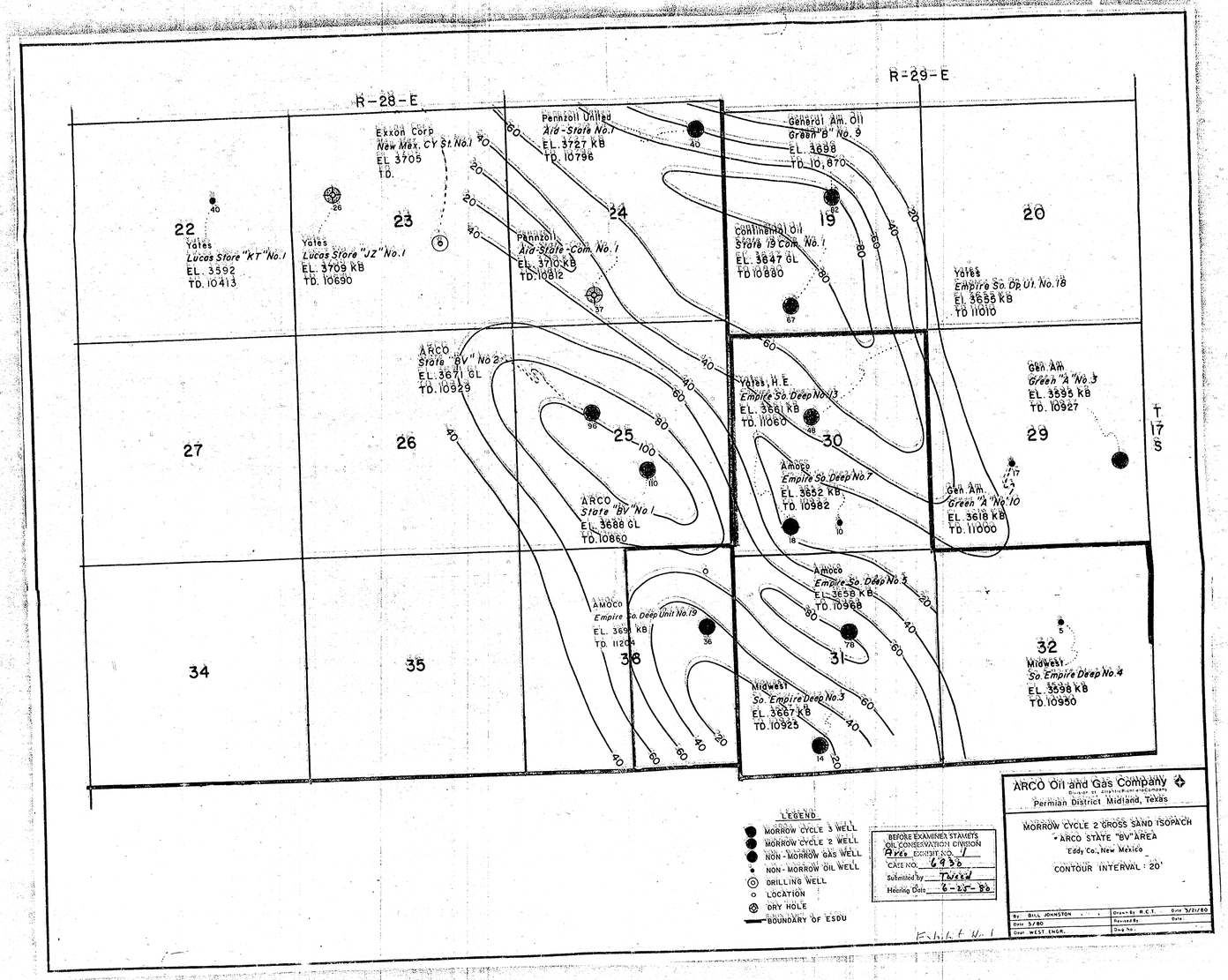

W.N.M.C.F. MICROGRAPHICS
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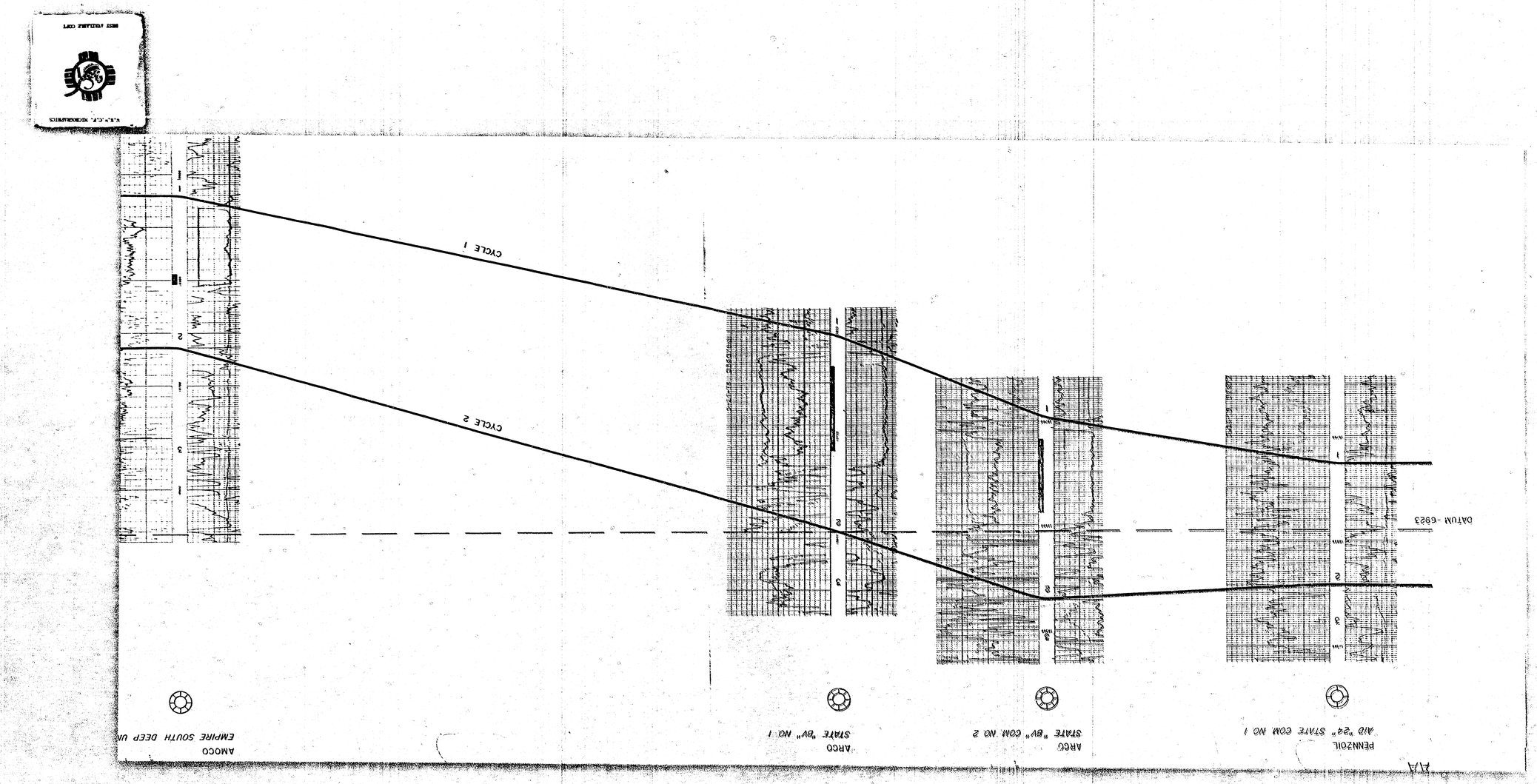
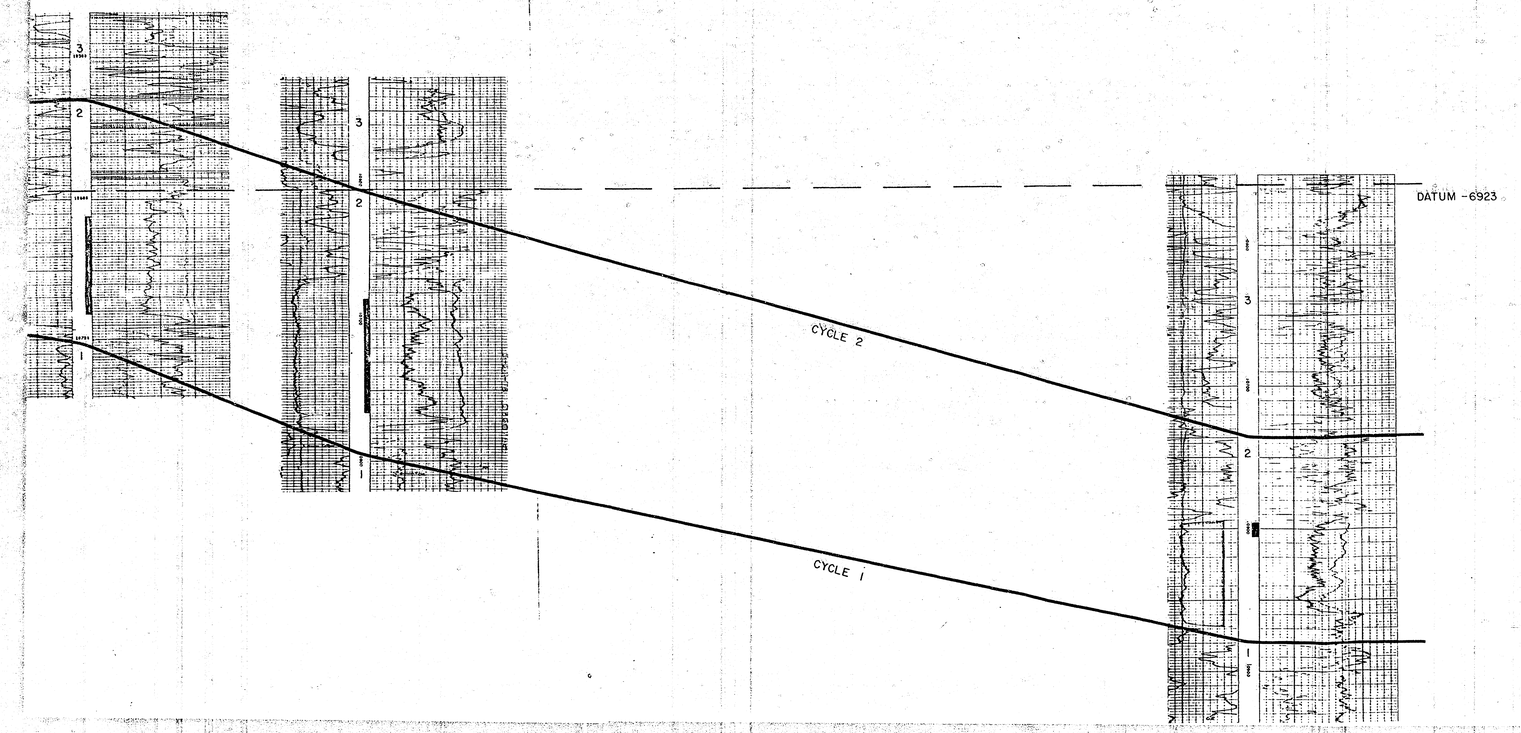
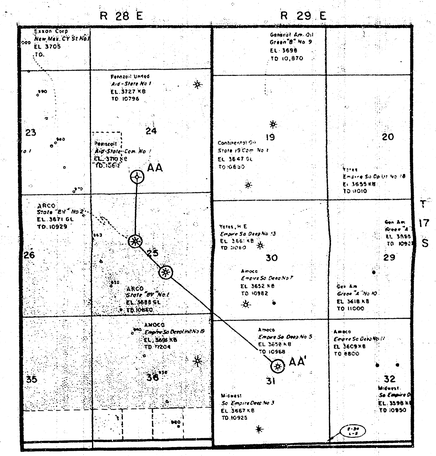

CYCLE 1
CYCLE 2
DATUM -6953
PENNZOIL
AIO "24" STATE COM NO 1
ARCO
STATE "BV" COM NO 2
ARCO
STATE "BV" NO 1
AMOCO
EMPIRE SOUTH DEEP UA

ARCO
STATE "BV" COM. NO. 2

ARCO
STATE "BV" NO. 1

AMOCO
EMPIRE SOUTH DEEP UNIT NO. 5





BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
ARCO EXHIBIT NO. 2
CASE NO. 6930
Submitted by TUCKER
Hearing Date 6-25-80

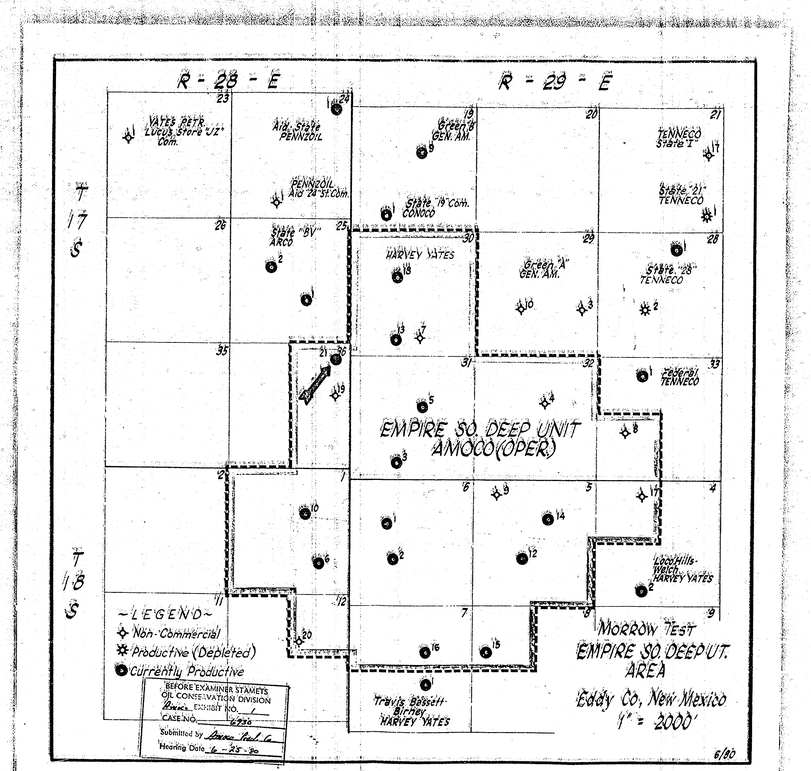
Completion Interval

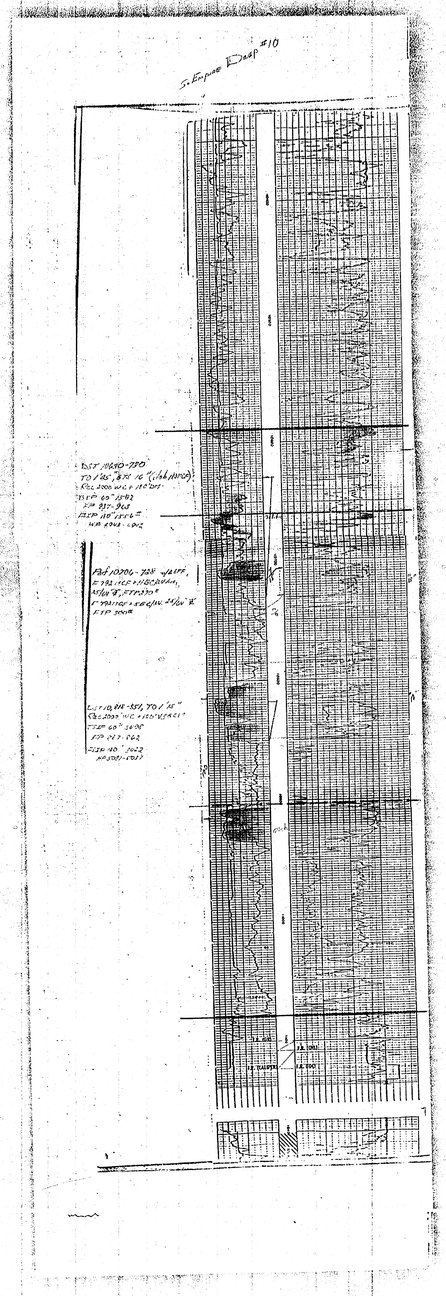
ARCO Oil and Gas Company
Permian District Midland, Texas

MORROW CYCLE 2
CROSS-SECTION AA-AA'
ARCO STATE "BV" AREA
Eddy County, New Mexico

By	Mike White	Prepared	JRF Date 5-27
Date	5-28-80	Reviewed	
Dept	W Engineering	Dwg No	

V.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY


R - 28 - E
R - 29 - E
T 17 S
T 18 S
Yates Petr. "Lucas Store "J2" Com.
Ald. State PENNZOIL
PENNZOIL Ald 28 St Com.
Harvey Yates
Green "A" GEN. AM.
State "28" TENNECO
EMPIRE SO. DEEP UNIT AMOCO(OPER.)
Loco Hills-Welch HARVEY YATES
~LEGEND~
Non-Commercial
Productive (Depleted)
Currently Productive
Travis, Bassett-Birney HARVEY YATES
MORROW TEST
EMPIRE SO. DEEP UT. AREA
Eddy Co, New Mexico
1" = 2000'
6/80
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 1
CASE NO. 8226
Submitted by Amoco Prod. Co.
Hearing Date 6-25-80



U.S.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

A

ARCO
STATE "BV" COMM. NO. 2
Elev. 3671' GL

ARCO
STATE "BV" NO. 1
Elev. 3688' GL

AMOCO
EMPIRE SO. DEEP UNIT NO. 21

AMOCO
EMPIRE SO. DEEP UNIT NO. 5
Elev. 3640' GL

A'

ATOKA

MORROW

BARNETT SHALE

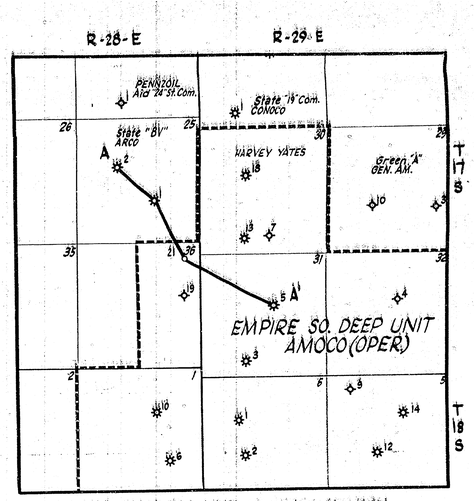
Datum
-6700'

Datum
-6700'

12/79: Pf. 10,612-682
CAOF: 39,915 MCFD
BC/MMCF: 35
SIWHP: 2241#
Cum. To 3-1-80: 0.22 BCF

6/78: Pf. 10,685-753; 10,760-765
CAOF: 61,145 MCFD
BC/MMCF: 13.2
SIBHP: 4053#
Cum. To 3/1/80: 6.54 BCF

11/74: Pf. 10,796-803
CAOF: 12,874 MCFD
BC/MMCF: Dry
SIBHP: 4368#
Cum To 3/1/80: 1.61 BCF



MAP SHOWING LINE OF CROSS-SECTION
Scale: 1"=2000'

EMPIRE SO. DEEP UNIT AREA
EDDY COUNTY, NEW MEX.
STRUCTURAL CROSS-SECTION A-A'
Vertical Scale: 1"=40'
Horizontal Scale: None

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco Exhibit No. 2
Case No. 6930
Submitted by Amoco Prod. Co.
Hearing Date 1-25-80

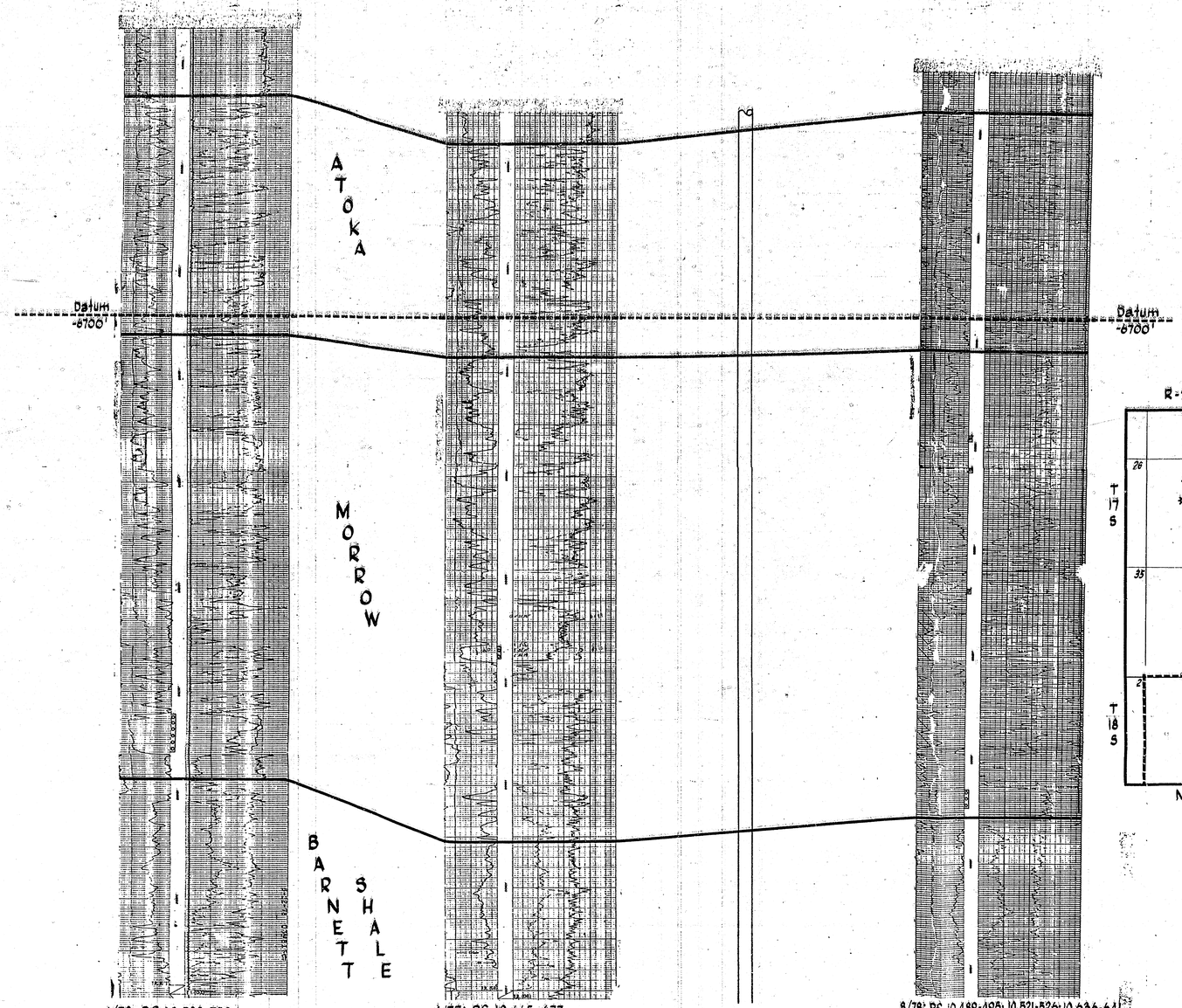
V.A.R.C.F. Microcopies
BEST AVAILABLE COPY

B — HARVEY E. YATES, EMPIRE SO. DEEP UNIT NO. 18, Elev. 3643' GL

HARVEY E. YATES, EMPIRE SO. DEEP UNIT NO. 13, Elev. 3648' GL

AMOCO, EMPIRE SO. DEEP UNIT NO. 21

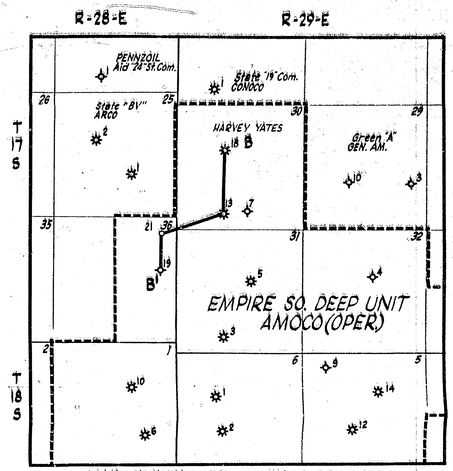
AMOCO, EMPIRE SO. DEEP UNIT NO. 19, Elev. 3677' GL — B'



6/78: Pf. 10,722-758
CAOF: 14,721 MCFD
BC/MMCF: 23.4
SIBHP: 4287#
Cum. To 3/1-80: 3.25 BCF

4/77: Pf. 10,665-677
Flwd. 5000 MCFD
42/64" Ch.
FTP 400#
Cum. To 3/1/80: 1.62 BCF

8/78: Pf. 10,489-495; 10,521-526; 10,636-641
IP: 529 MCFD, 6BC x 6BW
14/64" Ch., FTP 100#
3/79: Pf. 10,828-846
6/79: Pf. 10,489-846, Tst. 352MCFD, 3BC x 5BW
10/79: Sq. Pf. 10,489-641
Frac. Pf. 10,828-846
No Measurable Hydrocarbon Prod.

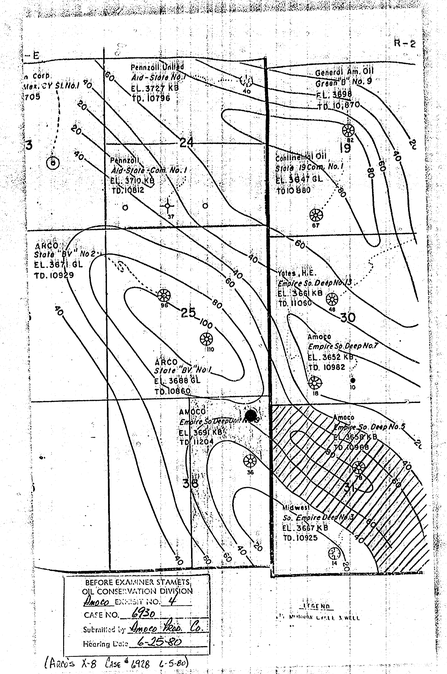


MAP SHOWING LINE of CROSS-SECTION
Scale: 1"=2000'

EMPIRE SO. DEEP UNIT AREA
EDDY COUNTY, NEW MEX.
STRUCTURAL CROSS-SECTION B-B'
Vertical Scale: 1"=40'
Horizontal Scale: None

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 3
CASE NO. 6980
Submitted by Amoco Prod. Co.
Hearing Date 6-25-80

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



U.N.M.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

B

B'

SYSTEM

SERIES

PENNSYLVANIAN

STRAWN

ATOKA

MORROW

(1)
PENNZOIL
1– Federal "10"
Sec 10 T17S R28E
TD11,040

(2)
STANOLIND
1– State "AB"
Sec29 T17S R28E
TD12,431

(3)
AMOCO
3–Malco–Federal"A"
Sec.11 T18S R27E
TD10168

(4)
SIGNAL
Proposed Location
1980 FSL & 660 FWL
Sec.8 T18S R28E
TD 10,800

(5)
HANAGAN
1 – Millman Deep
Sec 4 T19S R28E
TD11052

STRAWN

ATOKA

MORROW

(1)

(2)

(3)

(4)

(5)

(6)

BARNETT

LAMAR

MORROW

CHESTER

BEST AVAILABLE COPY

PENNSYLVANIAN

MISSISSIPPIAN

MORROW

BARNETT

CHESTER

MORROW

BARNETT

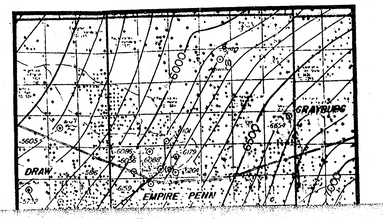
CHESTER

NET SAND THICKNESS 50'(tight)
CISCO PROD

Cum prod 21 bcfg & 252 mbd
NET SAND THICKNESS 105'
MORROW PROD

NET SAND THICKNESS 87'
MORROW PROD

Sec. 4T19S R28E
TD11092



V.S.N.C.F. MICROGRAPHICS

BEST AVAILABLE COPY

MISSISSIPPIAN

BARNETT

CHESTER

NET SAND THICKNESS 50'(+or-)
CISCO PROD

NET SAND THICKNESS 105'
MORROW PROD

Cum.Prod 21 bcfg + 252 mbd
NET SAND THICKNESS 105'
MORROW PROD

NET SAND THICKNESS 67'
MORROW PROD

NET SAND THICKNESS 56'
MORROW PROD

SCALE
IN
FEET

VERTICAL
HORIZONTAL

SIGNAL OIL AND GAS CO.
CENTRAL DIVISION — MIDLAND, TEXAS

EMPIRE PROSPECT
EDDY CO., NEW MEXICO

STRUCTURAL CROSS — SECTION
NORTH—SOUTH

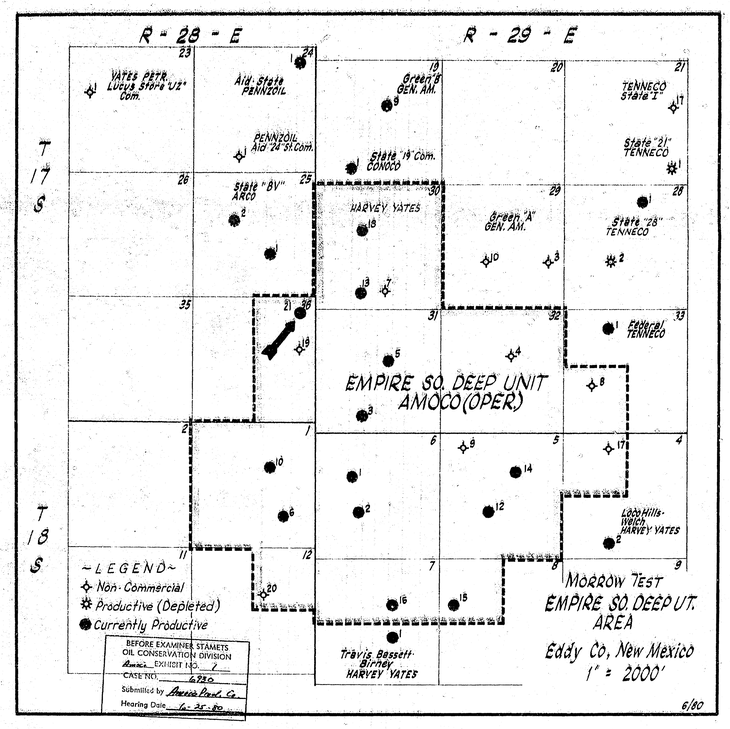
Vertical Scale: 2 1/2"=100' Horizontal Scale: 2"= 1 Mile

Interpretation	Drafted By	Date:	File No.
C.M. Pederson	L. Hernandez	January 1973	

LEGEND
- Limestone
- Shale
- Producing Perforation
- S.O.G.

INDEX MAP
Scale 1" = 8000'

U.S.G.S. PHOTOGRAPHIC COPY



V.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

A

ARCO
STATE "BV" COMM. NO. 2
Elev. 3671' GL

ARCO
STATE "BV" NO. 1
Elev. 3688' GL

AMOCO
EMPIRE SO. DEEP UNIT NO. 21

AMOCO
EMPIRE SO. DEEP UNIT NO. 5
Elev. 3640' GL

A'

ATOKA

MORROW

BARNETT SHALE

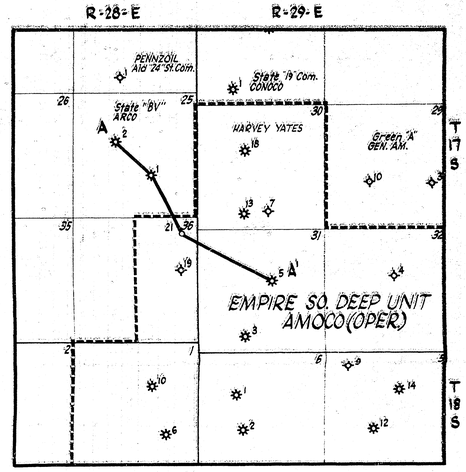
Datum
-6700'

Datum
-6700'

12/79: Pf. 10,612-682
CAOF: 39,915 MCFD
BC/MMCF: 35
SIWHP: 2241#
Cum. To 3-1-80: 0.22 BCF

6/78: Pf. 10,685-753; 10,760-765
CAOF: 61,145 MCFD
BC/MMCF: 13.2
SIBHP: 4053#
Cum. To 3/1/80: 6.54 BCF

11/74: Pf. 10,796-803
CAOF: 12,874 MCFD
BC/MMCF: Dry
SIBHP: 4368#
Cum To 3/1/80: 1.61 BCF



MAP SHOWING LINE of CROSS-SECTION
Scale: 1"=2000'

EMPIRE SO. DEEP UNIT AREA
EDDY COUNTY, NEW MEX.
STRUCTURAL CROSS-SECTION A-A'
Vertical Scale: 1"=40'
Horizontal Scale: None

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 2
CASE NO. 6950
Submitted by Amoco Prod. Co.
Hearing Date 6-25-80

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

B

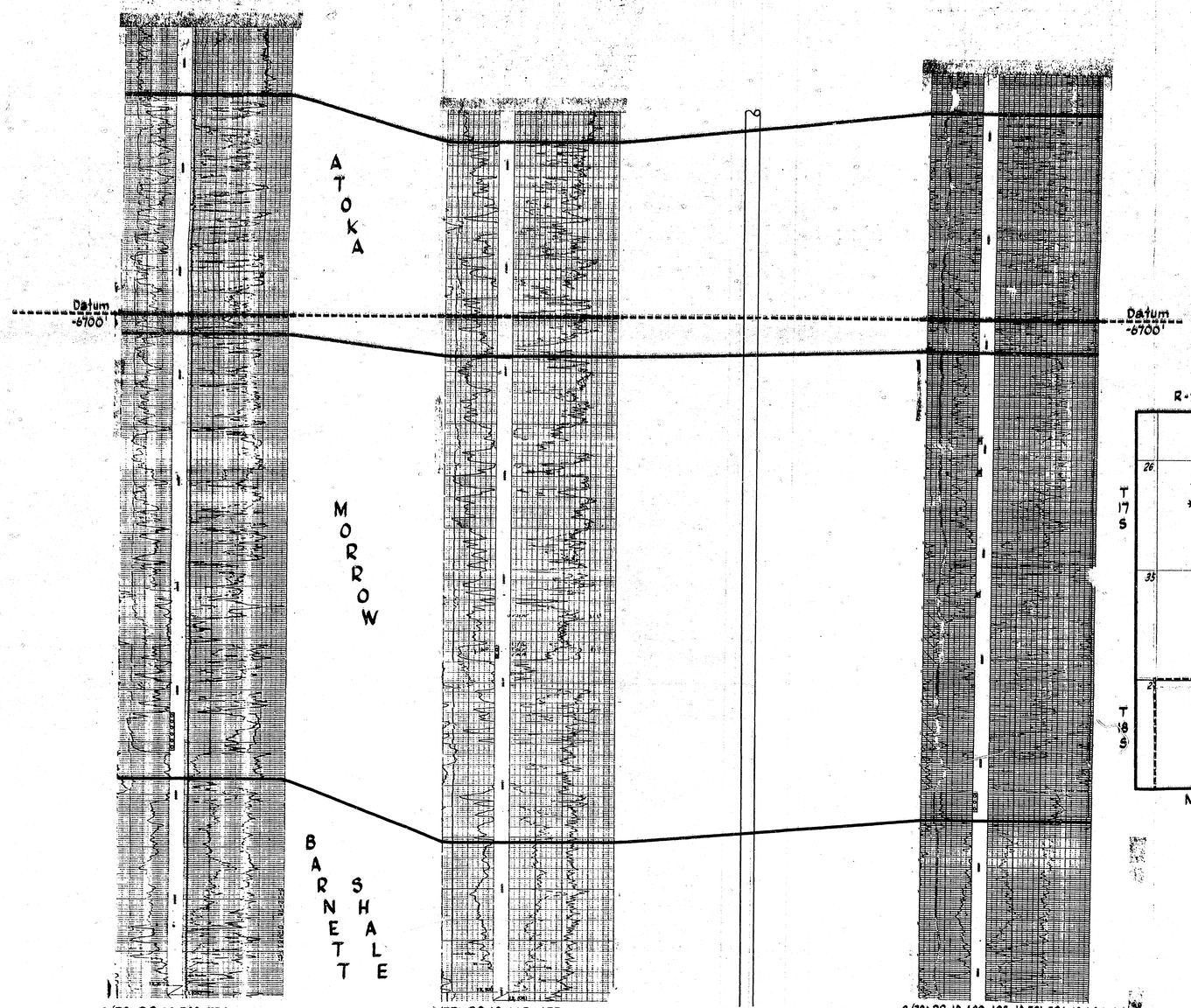
HARVEY E. YATES
EMPIRE SO. DEEP UNIT NO. 18
Elev. 3648 GL

HARVEY E. YATES
EMPIRE SO. DEEP UNIT NO. 13
Elev. 3646 GL

AMOCO
EMPIRE SO. DEEP UNIT NO. 21

AMOCO
EMPIRE SO. DEEP UNIT NO. 19
Elev. 3677 GL

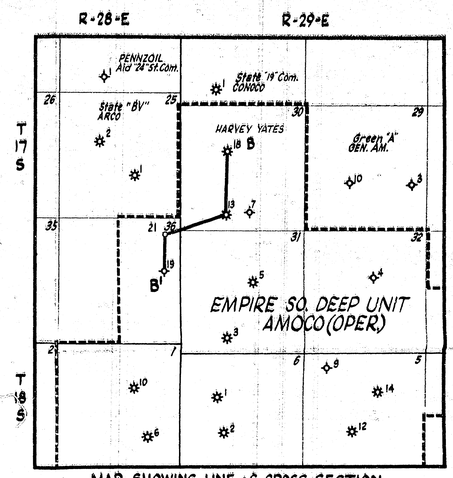
B'



6/78: Pf. 10,722-758
CAOF: 14,721 MCFD
BC/MMCF: 23.4
SIBHP: 4287#
Cum. To 3/1-80: 3.25 BCF

4/77: Pf. 10,665-677
Flwd. 5000 MCFD
42/64" Ch.
FTP 400#
Cum. To 3/1/80: 1.62 BCF

8/78: Pf. 10,489-495; 10,521-526; 10,636-641
IP: 829 MCFD, 6BC x 6BW
14/64" Ch., FTP 100#
3/79: Pf. 10,828-846
6/79: Pf. 10,489-846, Tst. 352 MCFD, 3BC x 5BW
10/79: Sq. Pf. 10,489-641
Frac. Pf. 10,828-846
No Measurable Hydrocarbon Prod.



MAP SHOWING LINE of CROSS-SECTION
Scale: 1" = 2000'

EMPIRE SO. DEEP UNIT AREA
EDDY COUNTY, NEW MEX.
STRUCTURAL CROSS-SECTION B-B'
Vertical Scale: 1"=40'
Horizontal Scale: None

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 3
CASE NO. 6930
Submitted by Amoco Prod. Co.
Hearing Date 6-25-80

M.R.M.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

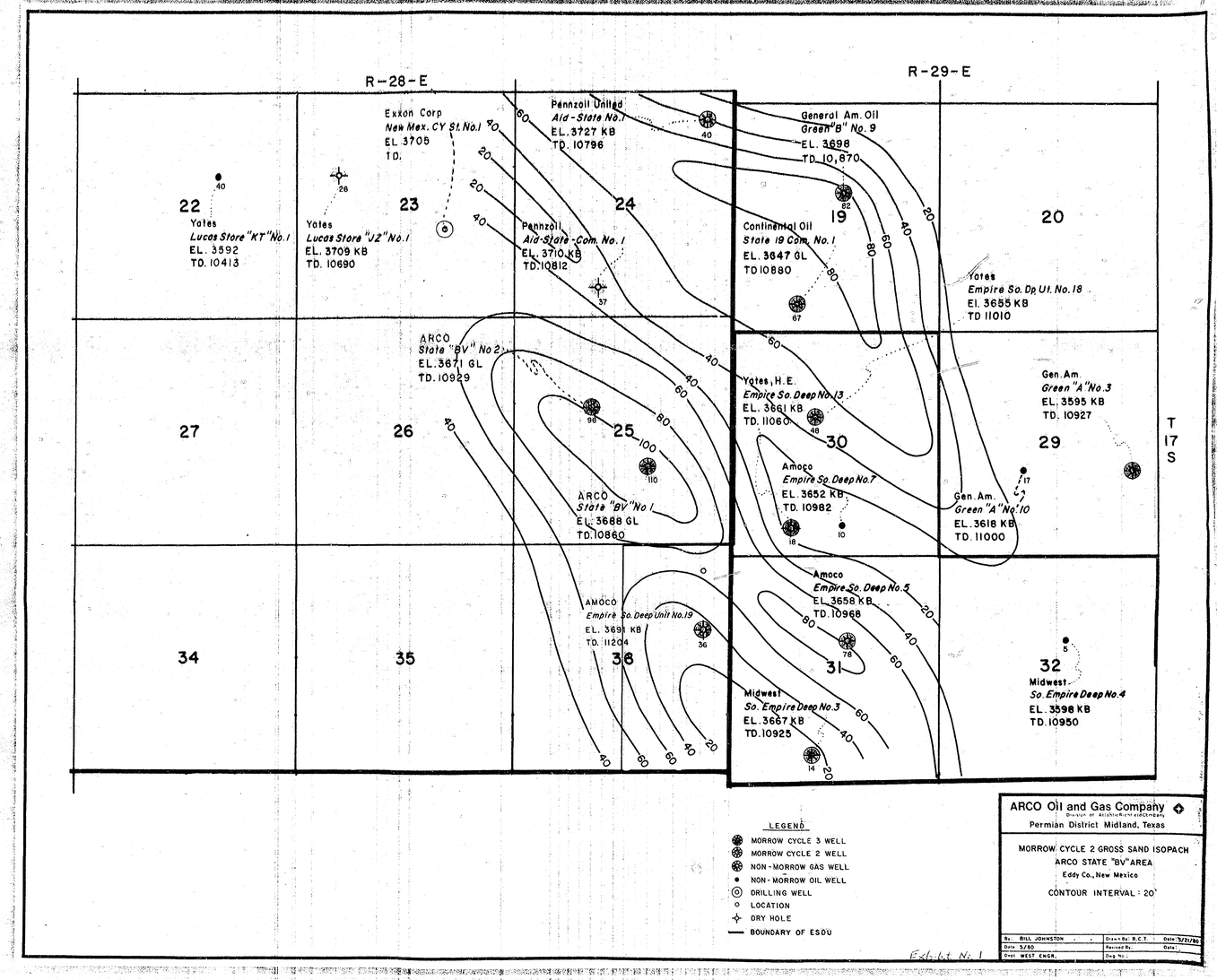


Exhibit No. 1

N.M.O.C.D. MICROGRAPHICS
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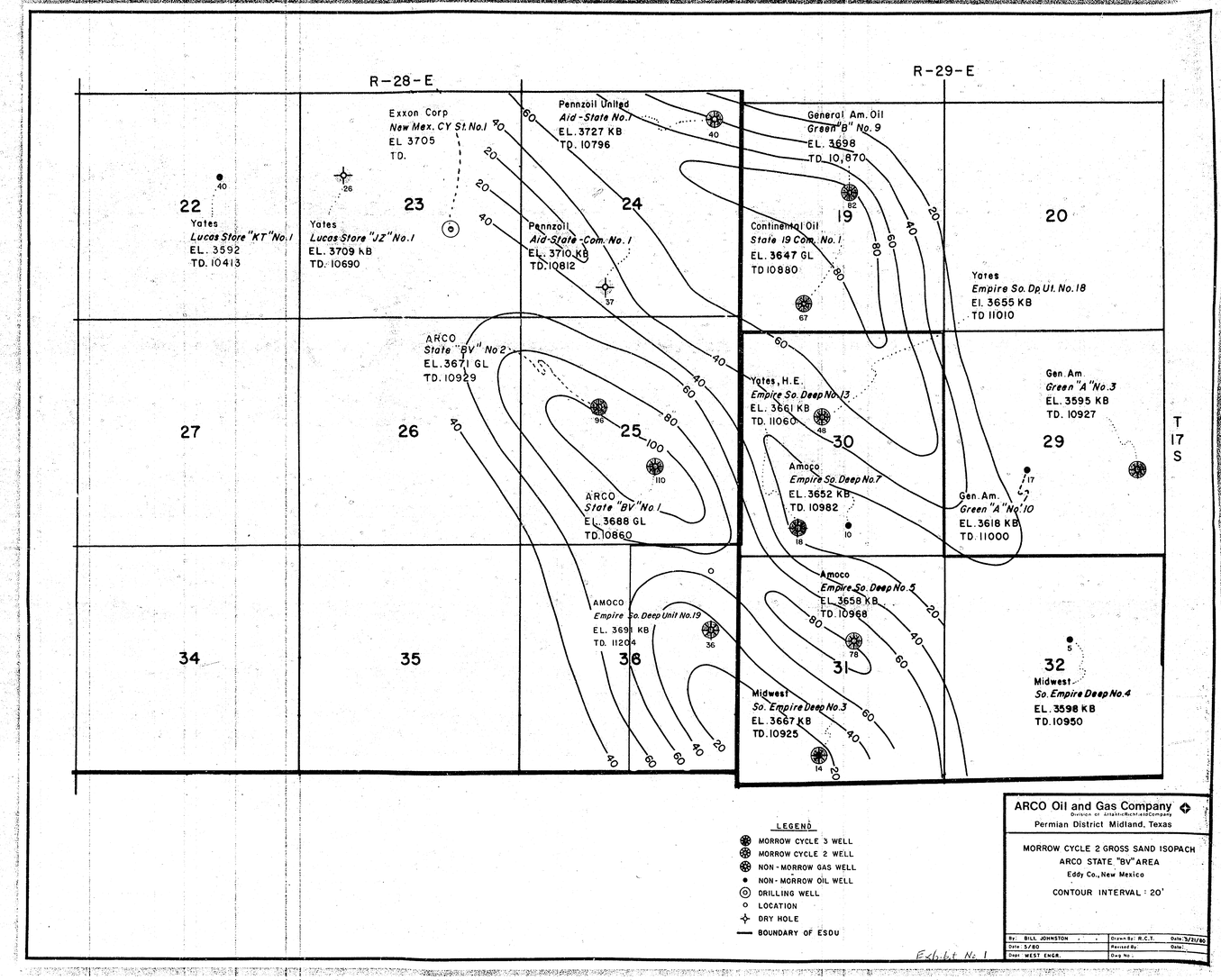


Exhibit No. 1

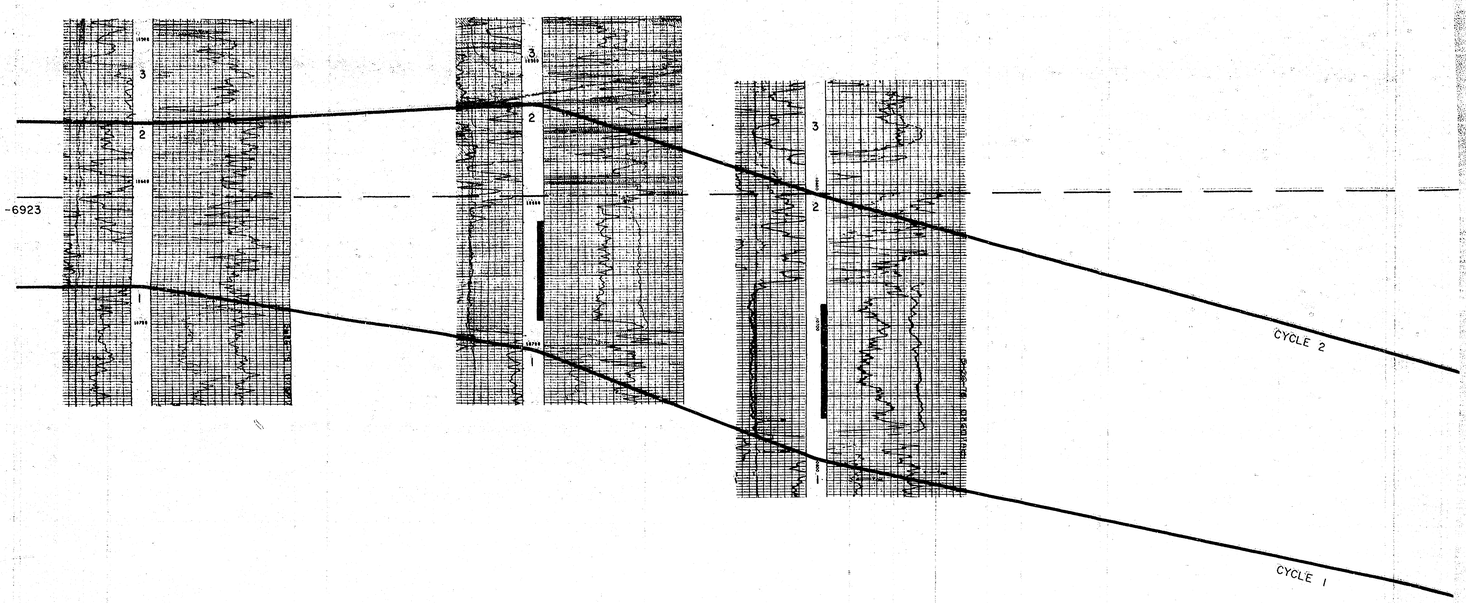
W.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

AA

PENNZOIL
AID "24" STATE COM. NO. 1

ARCO
STATE "BV" COM. NO. 2

ARCO
STATE "BV" NO. 1



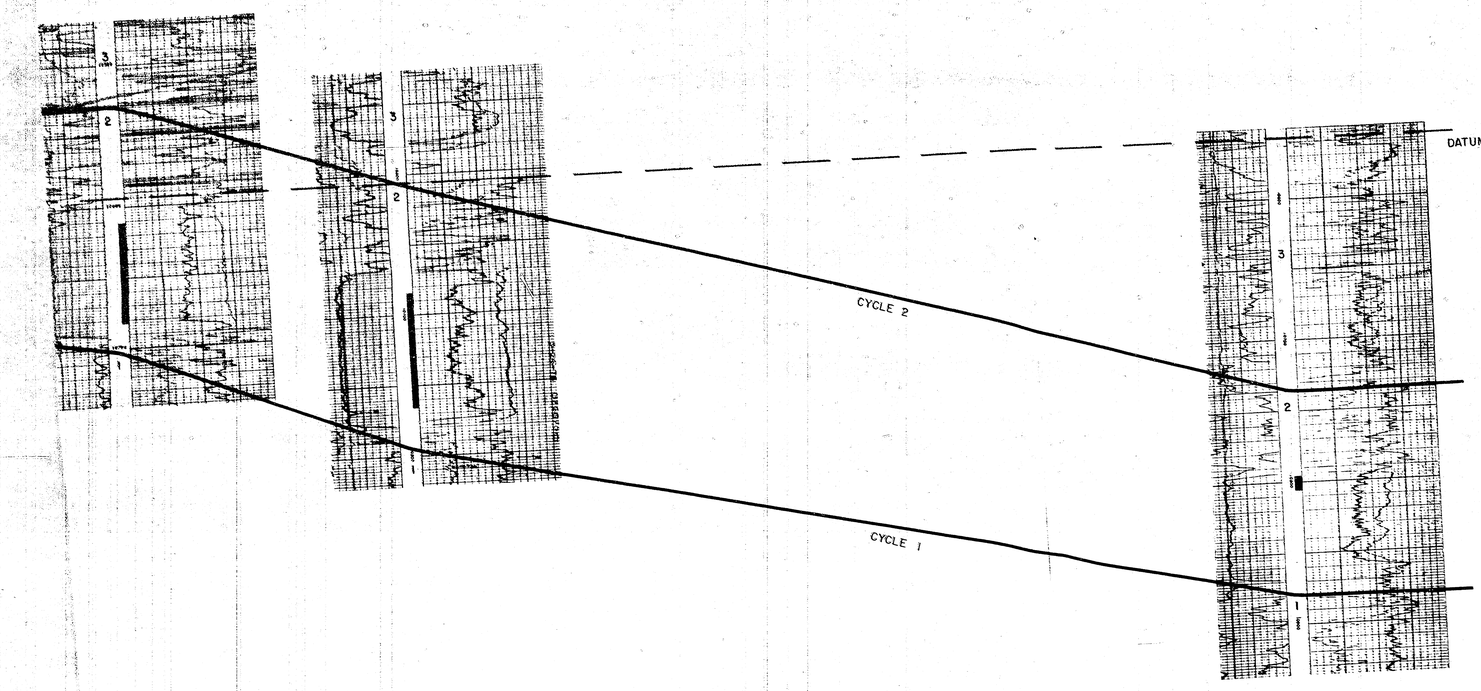
W.N.M.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

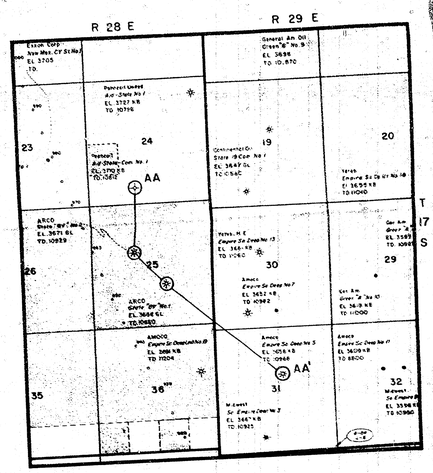
AA'

ARCO
STATE "BV" COM. NO 2

ARCO
STATE "BV" NO. 1

AMOCO
EMPIRE SOUTH DEEP UNIT NO. 5





Completion Interval

ARCO Oil and Gas Company
Permian District, Midland, Texas

MORROW CYCLE 2
CROSS-SECTION AA-AA'
ARCO STATE "BV" AREA
Eddy County, New Mexico

V.S.N.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

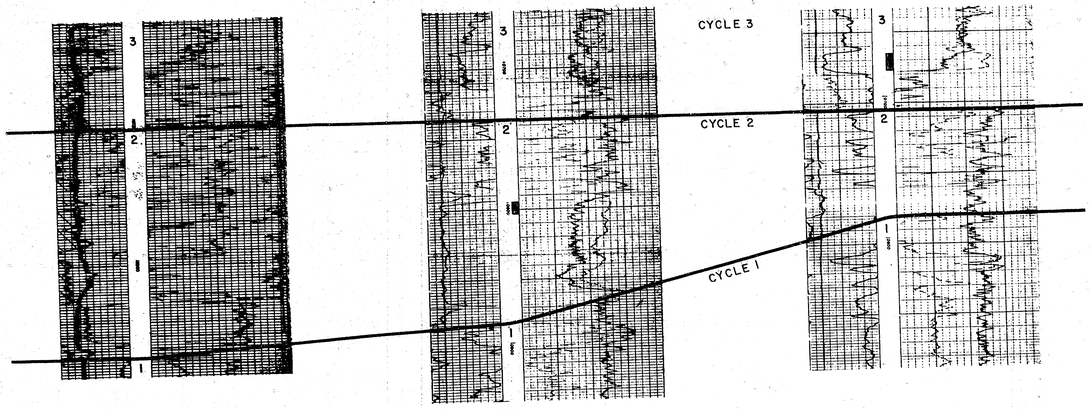
B

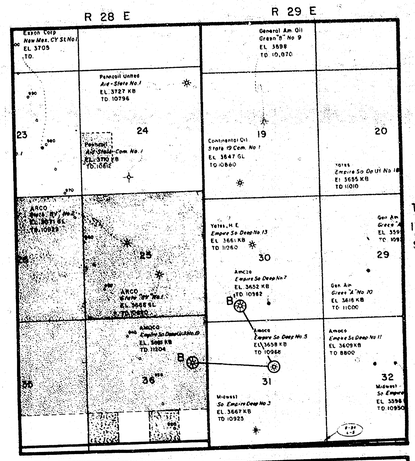
B'

AMOCO
EMPIRE SOUTH DEEP NO.19

AMOCO
EMPIRE SOUTH DEEP NO.5

YATES, H.E.
EMPIRE SOUTH DEEP NO.13





BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
ARCO EXHIBIT NO. 3
CASE NO. 6930
Submitted by Tweed
Hearing Date 6-25-80

Completion Interval

ARCO Oil and Gas Company
Division of Atlantic Richfield Company
Permian District Midland, Texas

MORROW CYCLE 2
CROSS-SECTION B-B'
ARCO STATE "BV" AREA
Eddy County, New Mexico

Drawn	Mike White	Project No.	85
Date	5-25-80	Revised By	
Dept.	West Engineering	Dwg. No.	

EXHIBIT NO. 3

N.M.O.C.D. MICROGRAPHICS
BEST AVAILABLE COPY

R-28-E

R-29-E

T 17 S

Exxon Corp
New Mex. CV St. No.1
EL 3705
TD.

Pennzoil United
Aid-State No.1
EL. 3727 KB
TD. 10796

General Am. Oil
Green "B" No. 9
EL. 3898
TD. 10,870

Yates
Lucas State "KT" No.1
EL. 3592
TD. 10413

Yates
Lucas State "UZ" No.1
EL. 3709 KB
TD. 10690

Pennzoil
Aid-State-Com. No.1
EL. 3710 KB
TD. 10812

Continental Oil
State 19 Com. No.1
EL. 3647 GL
TD 10880

Yates
Empire So. Dp Ut. No.18
El. 3655 KB
TD 11010

ARCO
State "BV" No.2
EL. 3671 GL
TD. 10929

Yates, H.E.
Empire So. Deep No.13
EL. 3681 KB
TD. 11060

Gen. Am.
Green "A" No.3
EL. 3895 KB
TD. 10927

Amoco
Empire So. Deep No.7
EL. 3652 KB
TD. 10982

ARCO
State "BV" No.1
EL. 3688 GL
TD. 10860

Gen. Am.
Green "A" No.10
EL. 3818 KB
TD. 11000

Amoco
Empire So. Deep No.5
EL. 3658 KB
TD. 10968

Amoco
Empire So. Deep Unit No.19
EL. 3691 KB
TD. 11204

Midwest
So. Empire Deep No.3
EL. 3667 KB
TD. 10925

Midwest
So. Empire Deep No.4
EL. 3598 KB
TD. 10950

22 23 24 19 20
27 26 25 30 29
34 35 36 31 32

LEGEND
- MORROW CYCLE 3 WELL
- MORROW CYCLE 2 WELL
- NON-MORROW GAS WELL
- NON-MORROW OIL WELL
- DRILLING WELL
- LOCATION
- DRY HOLE
- BOUNDARY OF ESDU

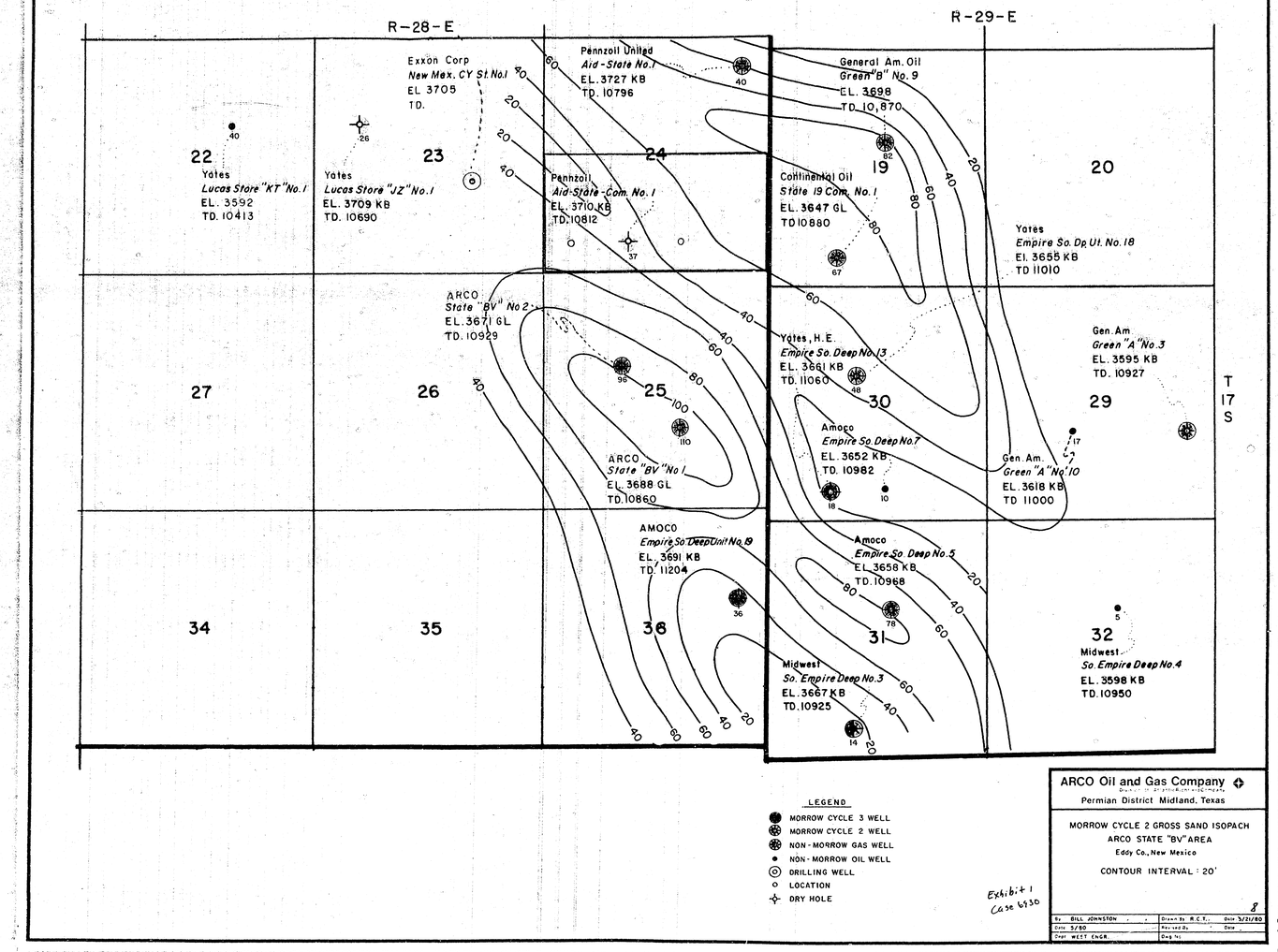
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
ARCO EXHIBIT NO. 4
CASE NO. 6930
Submitted by Twark
Hearing Date 6-25-80

Exhibit No. 4

ARCO Oil and Gas Company
Division of Atlantic Richfield Company
Permian District Midland, Texas

MORROW CYCLE 2 NET SAND ISOPACH
ARCO STATE "BV" AREA
Eddy Co., New Mexico
CONTOUR INTERVAL : 20'

By: J.L. TWEED	Drawn By: R.C.T.	Date: 6/80	
Date: 6/80	Revised By:	Date:	
Dept. WEST ENGR.	Dwg No:		



N.M.O.C.D. MICROGRAPHICS
BEST AVAILABLE COPY

AA

PENNZOIL
AID "24" STATE COM. NO. 1

ARCO
STATE "BV" COM. NO. 2

ARCO
STATE "BV" NO. 1

AMOCO
EMPIRE SOUTH DEEP UNIT NO. 8

AA'

DATUM -6923

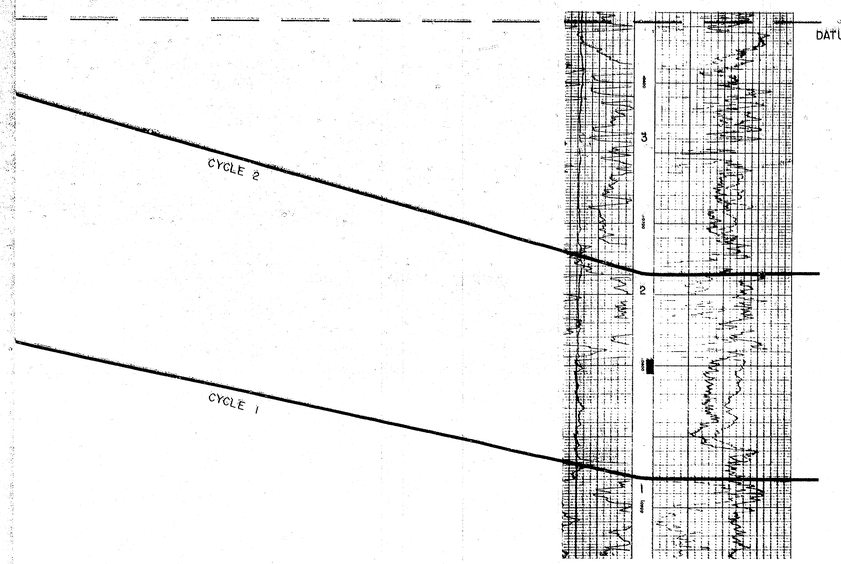
DATUM -6923

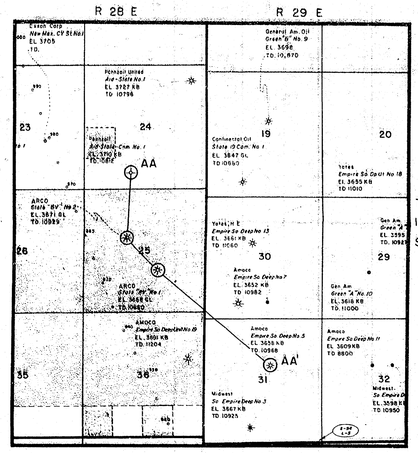
CYCLE 2

CYCLE 1

AA'

AMOCO
EMPIRE SOUTH DEEP UNIT NO. 5





Completion Interval

Exhibit 2
case 6530

ARCO Oil and Gas Company
Permian District Midland, Texas

MORROW CYCLE 2
CROSS-SECTION AA-AA'
ARCO STATE "BV" AREA
Eddy County, New Mexico

Dr.	Mike White	Issued	JRW Date 5-80
Ck.	5-28-80	Revised	Date
Engr.	W. Engineering	Dwg No.	

N.M.O.C.D. MICROGRAPHICS
BEST AVAILABLE COPY

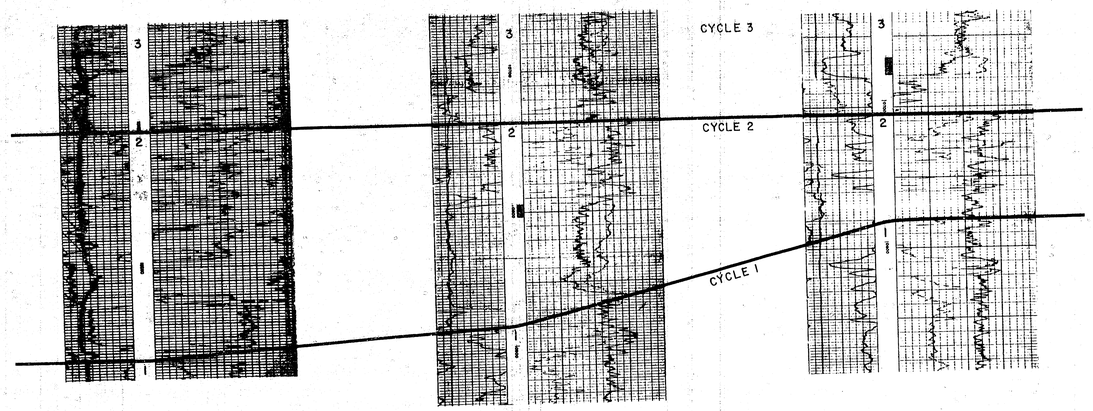
B

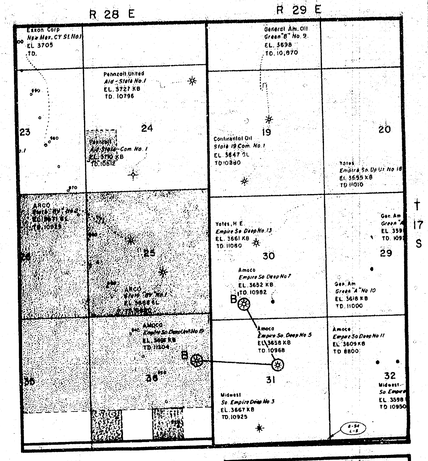
B'

AMOCO
EMPIRE SOUTH DEEP NO.19

AMOCO
EMPIRE SOUTH DEEP NO.5

YATES, H.E.
EMPIRE SOUTH DEEP NO.13





Completion Interval

ARCO Oil and Gas Company
Division of Atlantic Richfield Company
Permian District Midland, Texas

MORROW CYCLE 2
CROSS-SECTION B-B'
ARCO STATE "BV" AREA
Eddy County, New Mexico

By	Mike White	Drawn By	BS Date 5-80
Date	5-23-80	Revised	Date
Co.	West Engineering	Dwg No	

Exhibit 3
Case 6930

U.N.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY

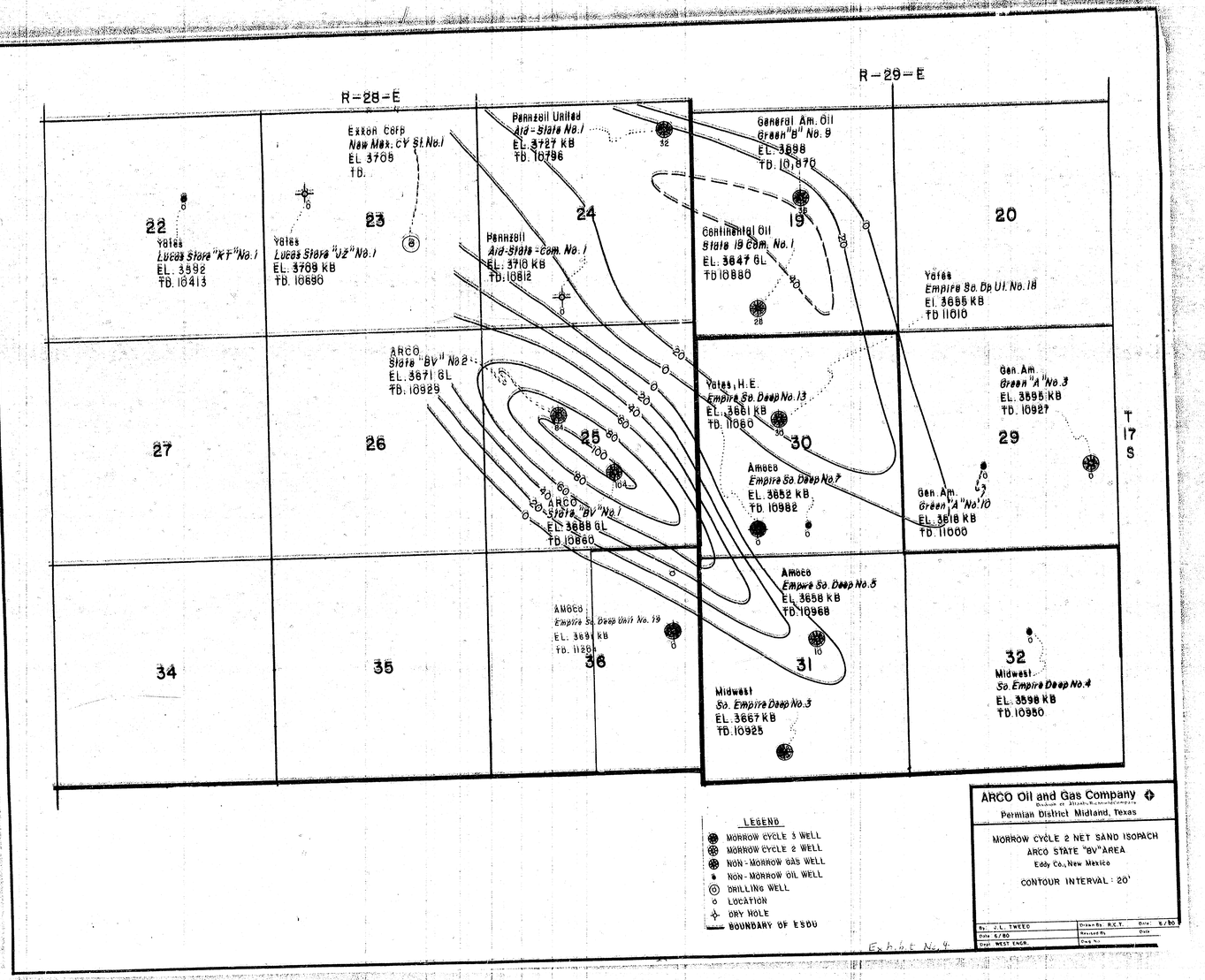


Exhibit No. 4

N.M.O.C.D. MICROGRAPHICS
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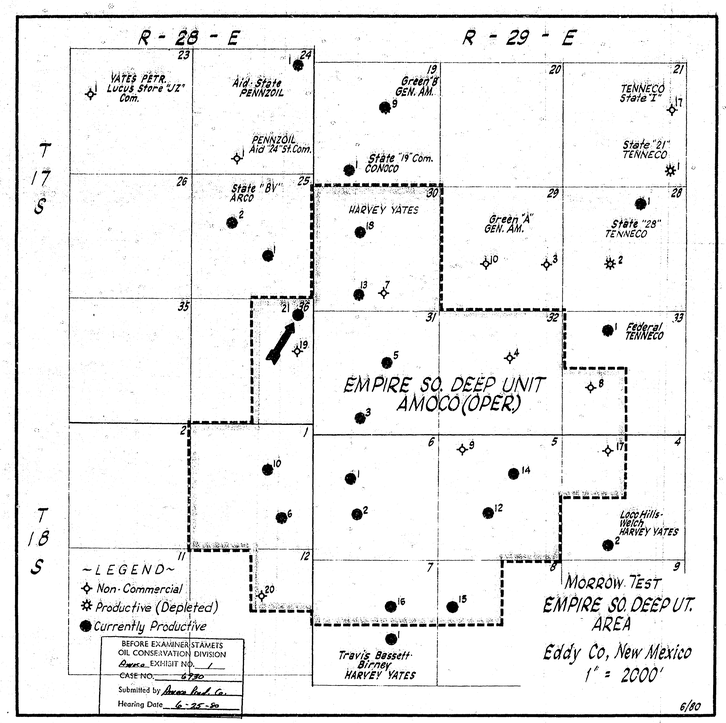
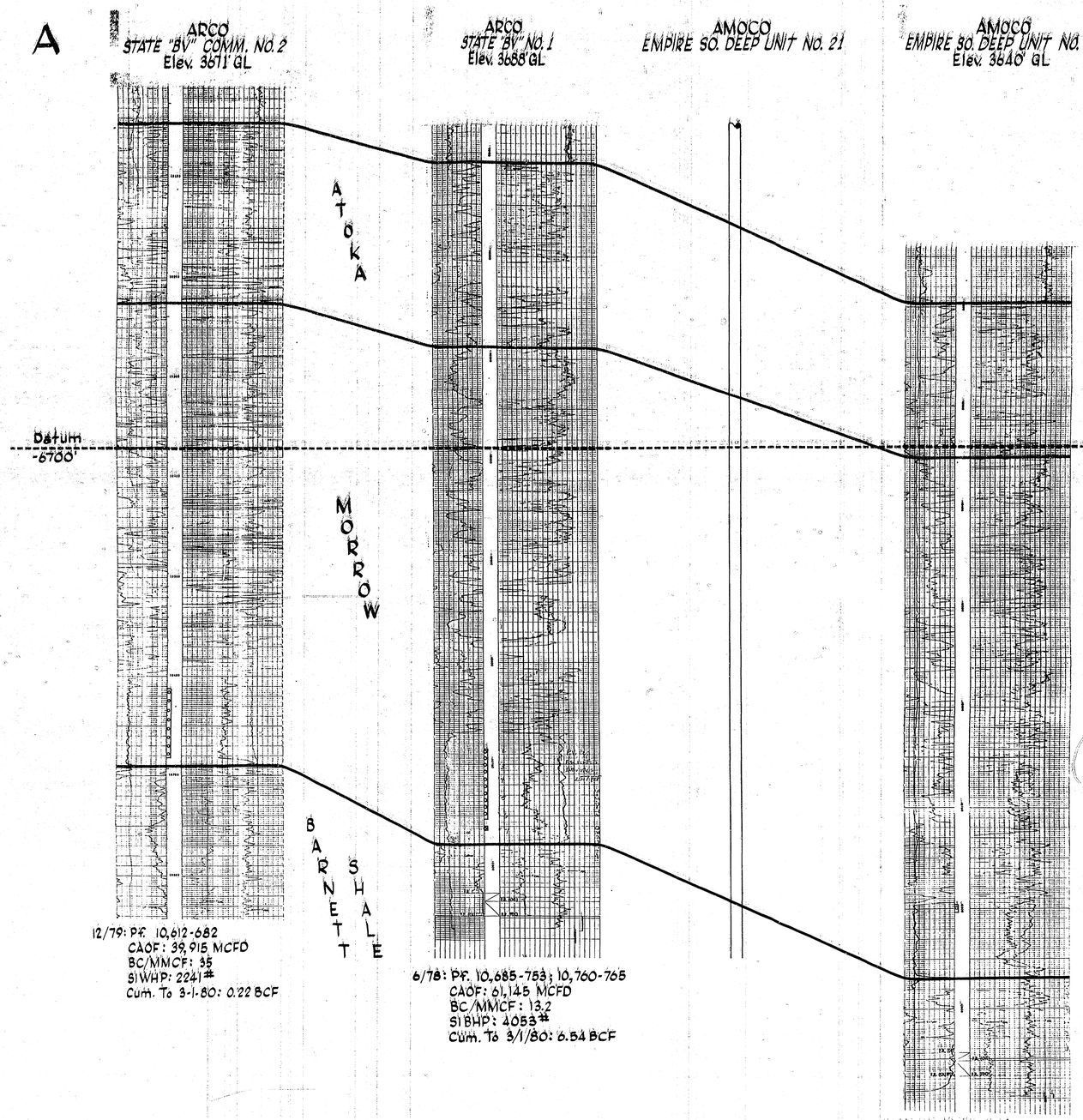
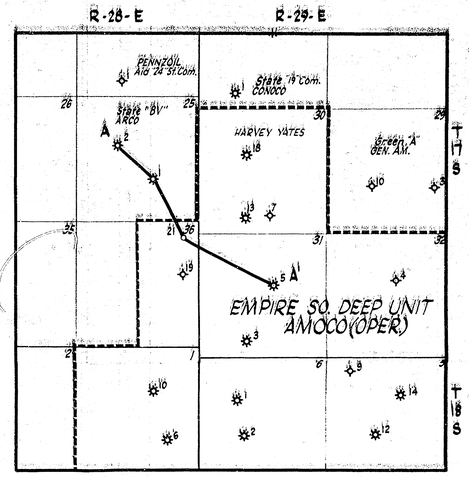


N.M.O.C.D. COPY
BEST AVAILABLE COPY





MAP SHOWING LINE of CROSS-SECTION
Scale: 1"=2000'

EMPIRE SO. DEEP UNIT AREA
EDDY COUNTY, NEW MEX.
STRUCTURAL CROSS-SECTION A-A'
Vertical Scale: 1"=40'
Horizontal Scale: None

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 2
CASE NO. 6930
Submitted by Amoco Prod. Co.
Hearing Date 4-30-80

A.R.M.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

B

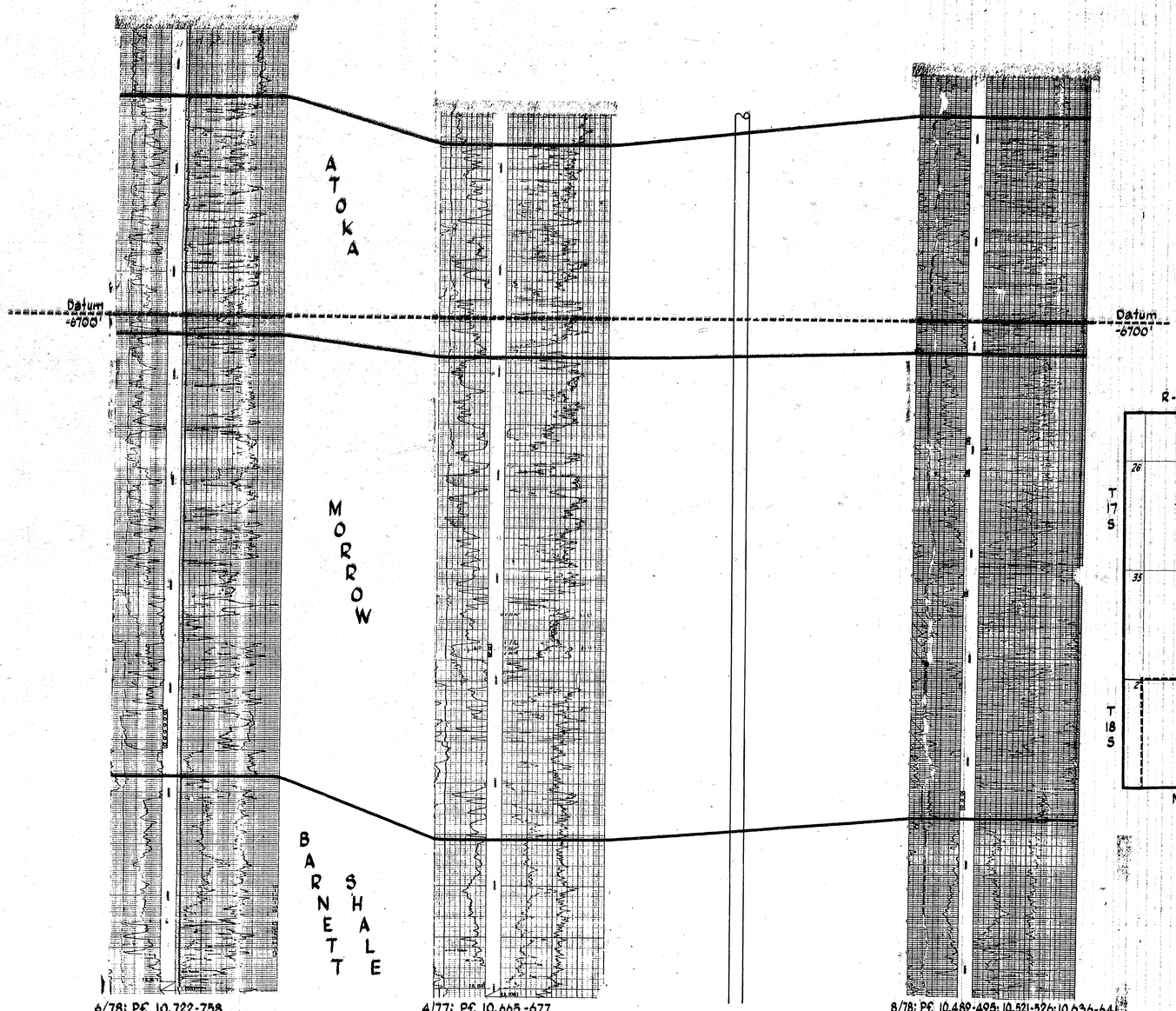
HARVEY E. YATES
EMPIRE SO. DEEP UNIT NO. 18
Elev. 3643 GL

HARVEY E. YATES
EMPIRE SO. DEEP UNIT NO. 13
Elev. 3648 GL

AMOCO
EMPIRE SO. DEEP UNIT NO. 21

AMOCO
EMPIRE SO. DEEP UNIT NO. 19
Elev. 3677' GL

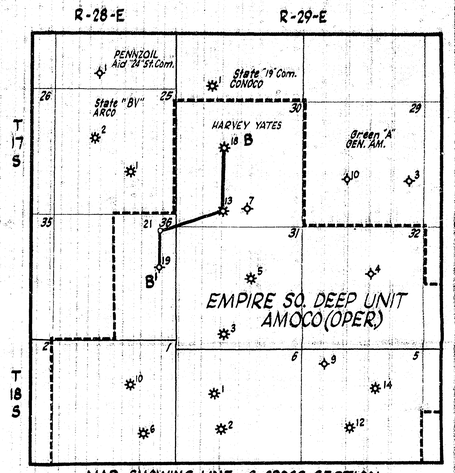
B'



6/78: Pf. 10,722-758
CAOF: 14,721 MCFD
BC/MMCF: 23.4
SI BHP: 4287#
Cum. To 3/1-80: 3.25 BCF

4/77: Pf. 10,665-677
Flwd. 5000 MCFD
42/64" Ch.
FTP 400#
Cum. To 9/1/80: 1.62 BCF

8/78: Pf. 10,489-495; 10,521-526; 10,636-641
IP: 529 MCFD, 6BC x 6BW
14/64" Ch., FTP 100#
3/79: Pf. 10,828-846
6/79: Pf. 10,489-846, Tst. 352 MCFD, 3BC x 5BW
10/79: Sq. Pf. 10,489-641
Frac. Pf. 10,828-846
No Measurable Hydrocarbon Prod.

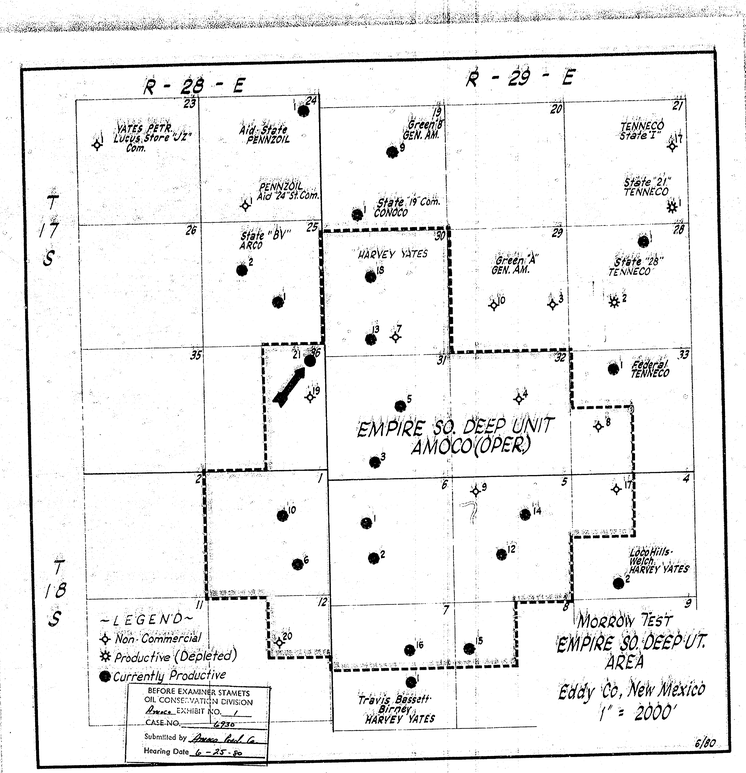


MAP SHOWING LINE of CROSS-SECTION
Scale: 1" = 2000'

EMPIRE SO. DEEP UNIT AREA
EDDY COUNTY, NEW MEX.
STRUCTURAL CROSS-SECTION B-B'
Vertical Scale: 1"=40'
Horizontal Scale: None

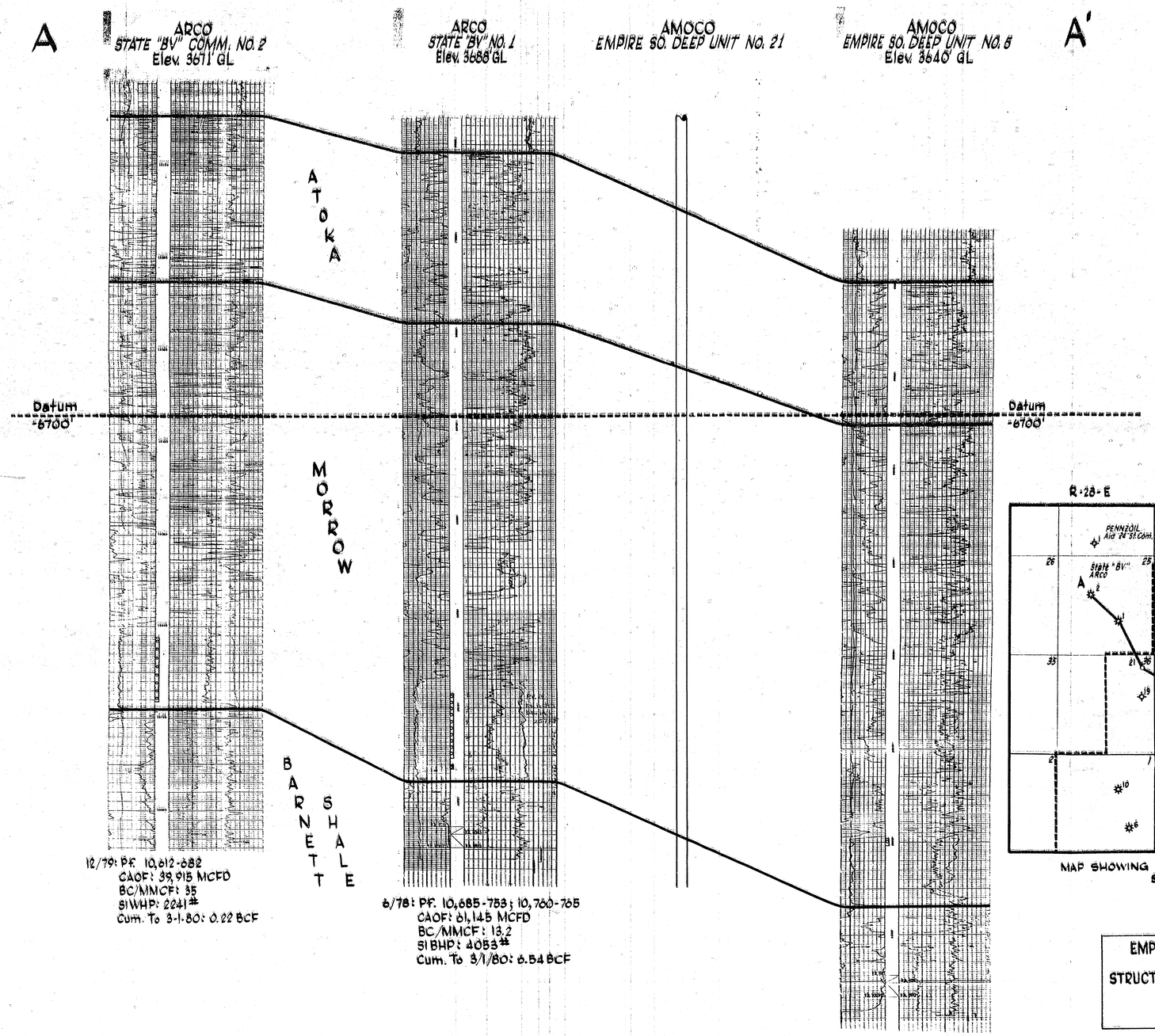
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 3
CASE NO. 6930
Submitted by Amoco Prod. Co.
Hearing Date 6-25-80

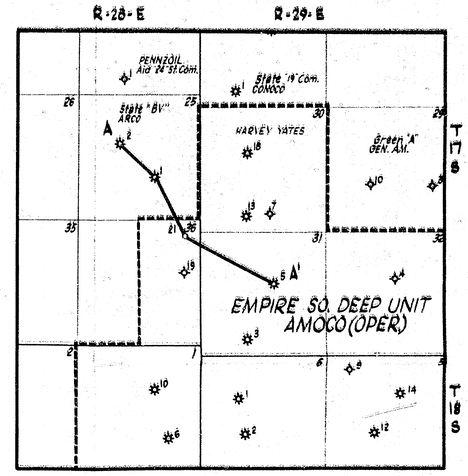
W.R.N.C.F. MICROGRAPHICS
BEST AVAILABLE COPY



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 1
CASE NO. 6730
Submitted by Amoco Prod. Co.
Hearing Date 6-25-80

N.M.O.C.D. MICROGRAPHICS
BEST AVAILABLE COPY





MAP SHOWING LINE of CROSS-SECTION
Scale: 1"=2000'

EMPIRE SO. DEEP UNIT AREA
EDDY COUNTY, NEW MEX.
STRUCTURAL CROSS-SECTION A-A'
Vertical Scale: 1"=40'
Horizontal Scale: None

RECORDS MANAGEMENT
Amoco 2
6930
Amoco Prod. Co.
1-25-80

W.R.C.P. MICROGRAPHICS
BEST AVAILABLE COPY

B

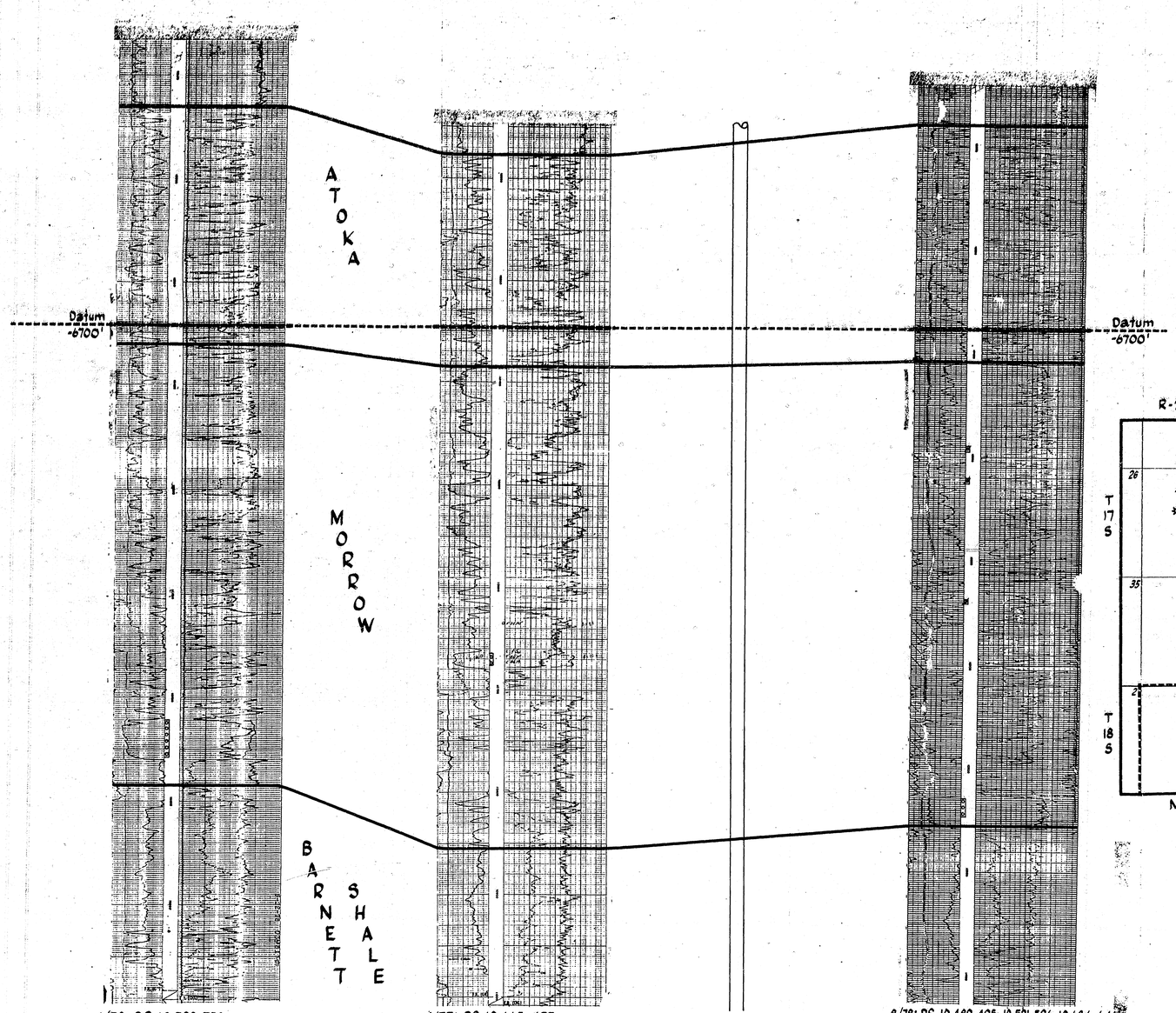
HARVEY E. YATES
EMPIRE SO. DEEP UNIT NO. 18
Elev. 3648 GL

HARVEY E. YATES
EMPIRE SO. DEEP UNIT NO. 13
Elev. 3648 GL

AMOCO
EMPIRE SO. DEEP UNIT NO. 21

AMOCO
EMPIRE SO. DEEP UNIT NO. 19
Elev. 3677' GL

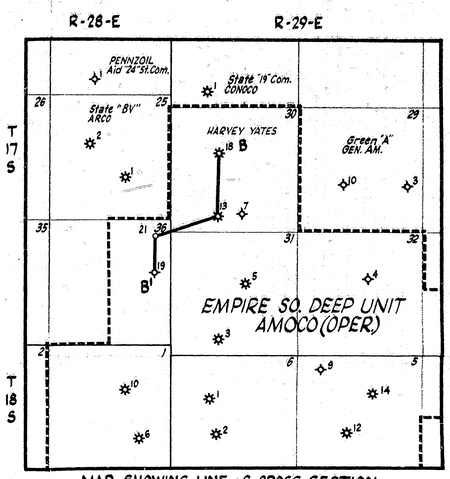
B'



6/78: Pf. 10,722-758
CAOF: 14,721 MCFD
BC/MMCF: 23.4
SI BHP: 4287#
Cum. To 3/1-80: 3.25 BCF

4/77: Pf. 10,665-677
Flwd. 5000 MCFD
42/64" Ch.
FTP 400#
Cum. To 3/1/80: 1.62 BCF

8/78: Pf. 10,489-495; 10,521-526; 10,636-641
IP: 529 MCFD, 6BC x 6BW
14/64" Ch., FTP 100#
3/79: Pf. 10,828-846
6/79: Pf. 10,489-846, Tst. 352 MCFD, 3BC x 5BW
10/79: Sq. Pf. 10,489-641
Frac. Pf. 10,828-846
No Measurable Hydrocarbon Prod.



MAP SHOWING LINE of CROSS-SECTION
Scale: 1" = 2000'

EMPIRE SO. DEEP UNIT AREA
EDDY COUNTY, NEW MEX.
STRUCTURAL CROSS-SECTION B-B'
Vertical Scale: 1"=40'
Horizontal Scale: None

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Amoco EXHIBIT NO. 3
CASE NO. 6950
Submitted by Amoco Prod. Co.
Hearing Date 6-25-80

W.N.M.G.F. MICROGRAPHICS
BEST AVAILABLE COPY

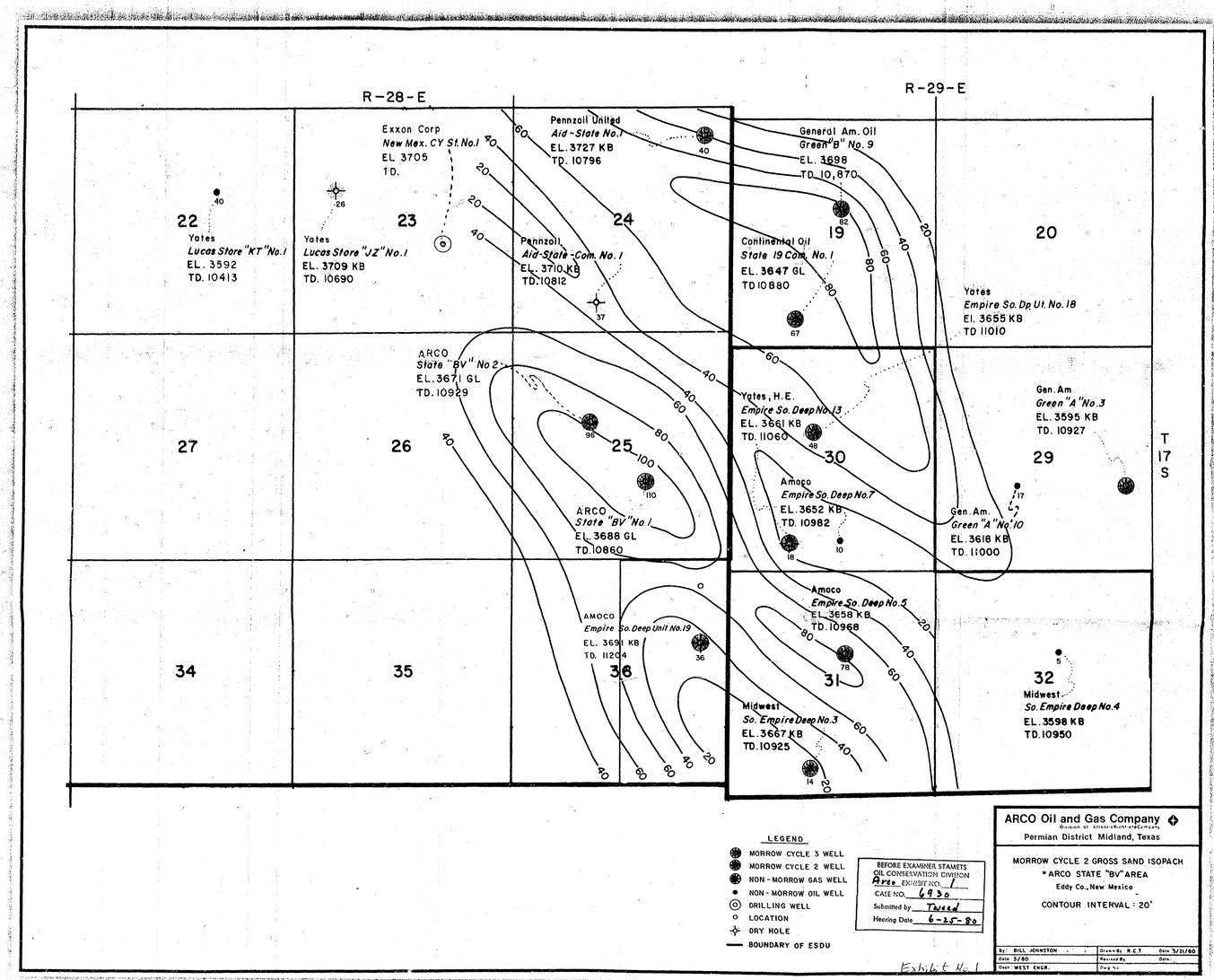
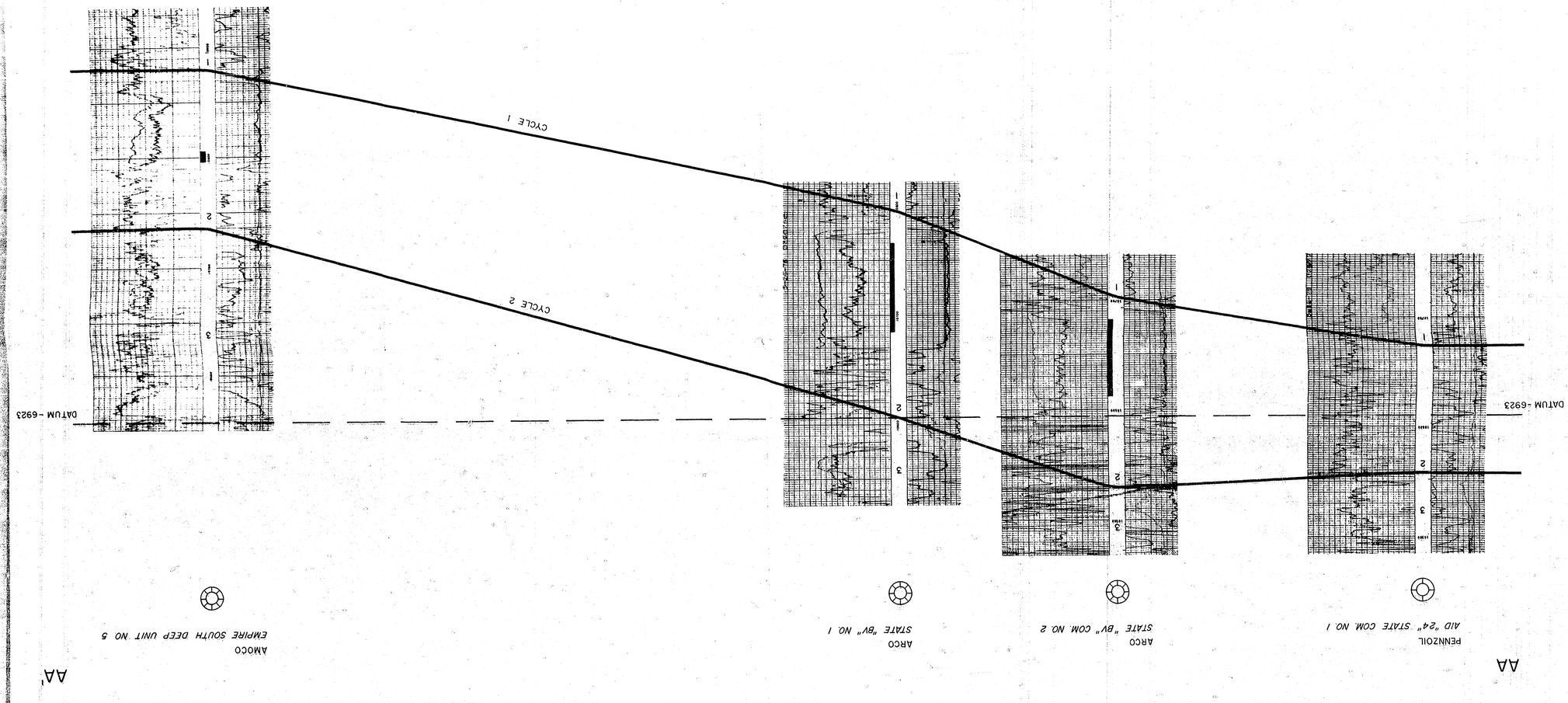


Exhibit No. 1

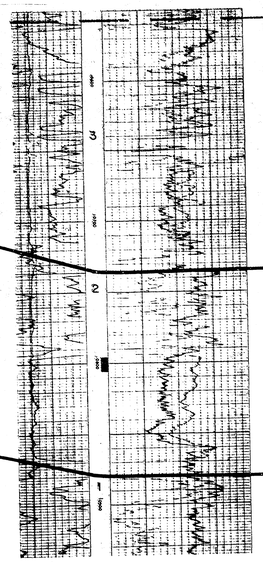
V.R.M.C.F. MICROGRAPHICS
BEST AVAILABLE COPY


AA
PENNZOIL
AID "24" STATE COM. NO. 1
ARCO
STATE "BV" COM. NO. 2
ARCO
STATE "BV" NO. 1
AMOCO
EMPIRE SOUTH DEEP UNIT NO. 5
AA'
CYCLE 1
CYCLE 2
DATUM -6923
DATUM -6923

AA'

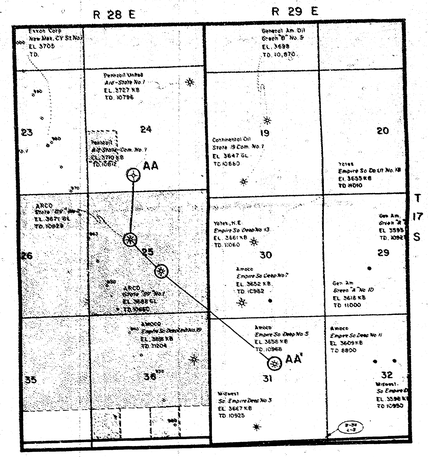
AMOCO
EMPIRE SOUTH DEEP UNIT NO. 5

DATUM -6923



CYCLE 2

CYCLE 1



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
Arco EXHIBIT NO. 2
CASE NO. 6930
Submitted by Tweed
Hearing Date 6-25-80

Completion Interval

ARCO Oil and Gas Company
Permian District Midland, Texas

MORROW CYCLE 2
CROSS-SECTION AA-AA'
ARCO STATE "BV" AREA
Eddy County, New Mexico

By	Mas 81-16	Drawn By	JRW Date 5-80
Date	5-28-80	Revised By	Date
	Engineering	Dwg. No.	

Exhibit No. 2

U.S.B.L.M. MICROGRAPHICS
BEST AVAILABLE COPY

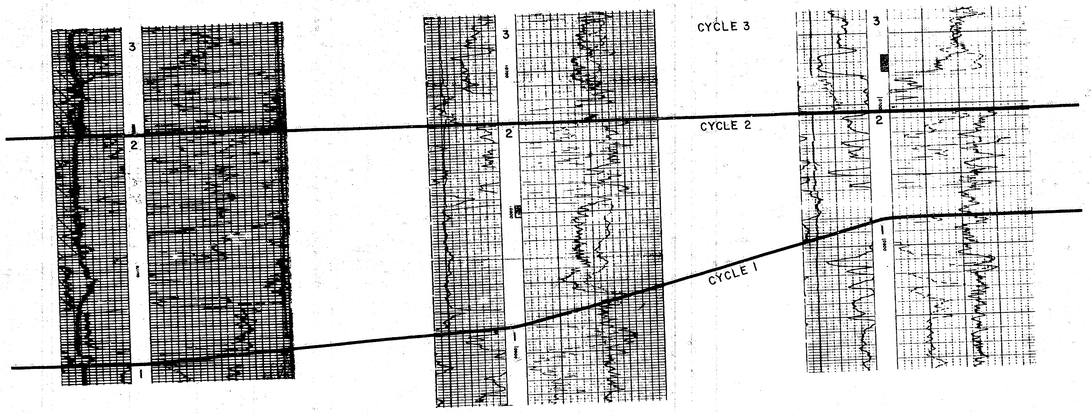
B

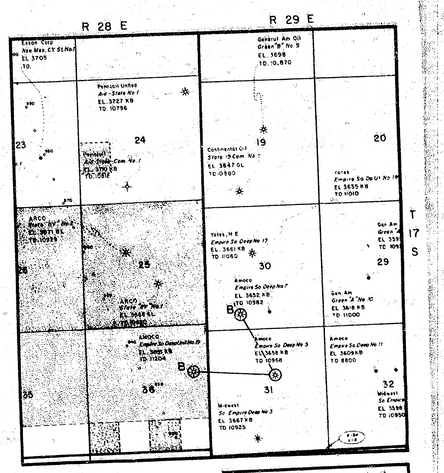
B'

AMOCO
EMPIRE SOUTH DEEP NO.19

AMOCO
EMPIRE SOUTH DEEP NO.5

YATES, H.E.
EMPIRE SOUTH DEEP NO.13





Completion Interval

ARCO Oil and Gas Company
Permian District Midland, Texas

MORROW CYCLE 2
CROSS-SECTION B-B'
ARCO STATE "BV" AREA

Eddy County, New Mexico

Wtg White		Drawn: BS	Date: 5-82
5-21-82		Revised:	Date
West Engineering		Dwg. No.	

Exhibit No. 3

N.M.O.C.D. MICROGRAPHICS
BEST AVAILABLE COPY