Case No.

6488

Large Exhibits

[illegible] MICROGRAPHICS

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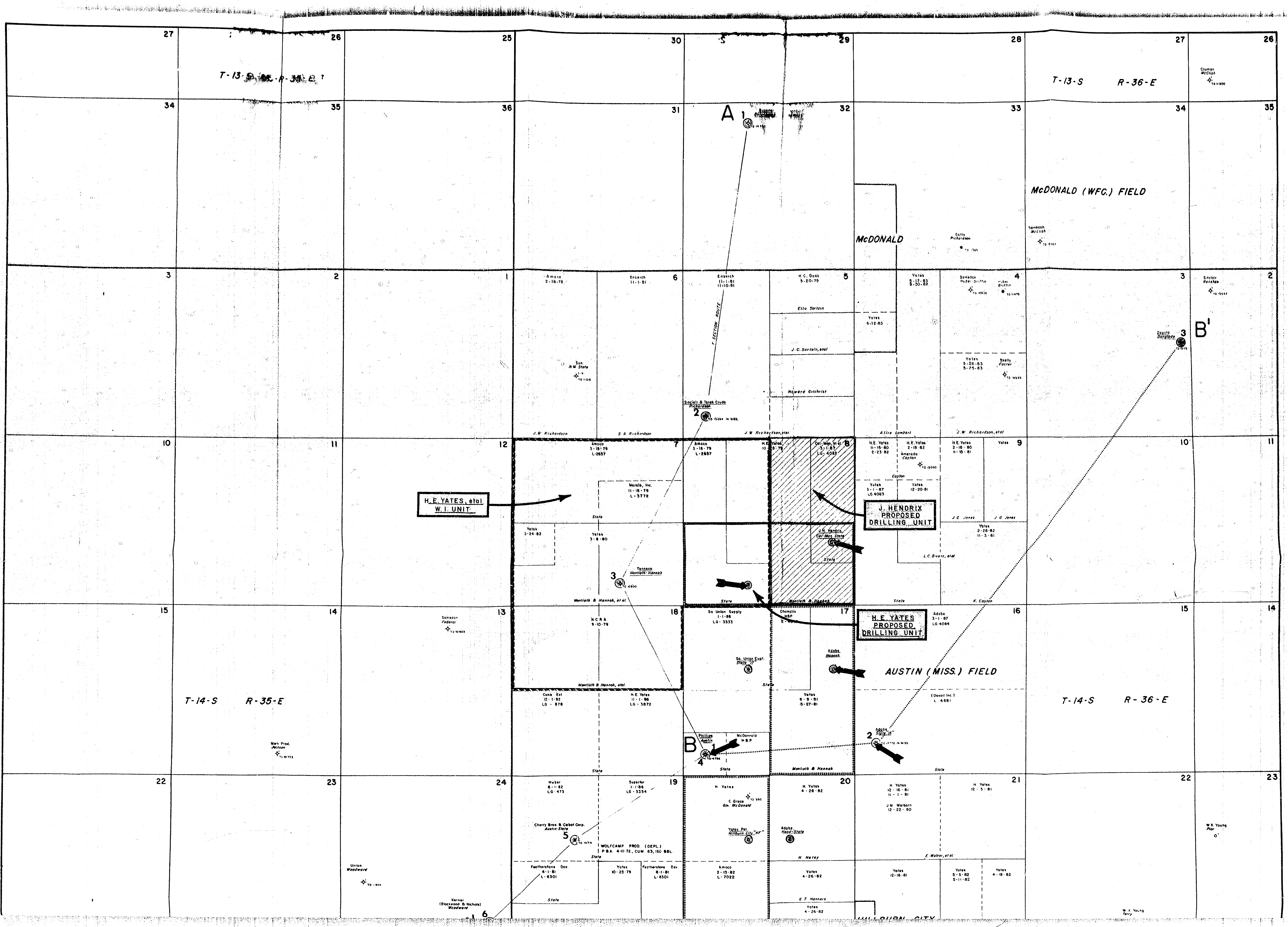
T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
A
B
B'
Y SECTION ROUTE
H.E. YATES, etal
W.I. UNIT
J. HENDRIX
PROPOSED
DRILLING UNIT
H.E. YATES
PROPOSED
DRILLING UNIT
Superior
Sinclair & Texas Crude
Richardson
TD 12494 IN MISS.
Tenneco
Montieth-Hannah
TD 12600
Phillips
Austin
McDonnold
H.B.P.
Adobe
State "16"
TD 13770 IN MISS.
Zapata
Dangleade
Cherry Bros. & Cabot Corp.
Austin State
WOLFCAMP PROD. (DEPL.)
P.B.A. 4-11-72, CUM. 63,160 BBL.
J.H. Hendrix
Cal-Mon State
So. Union Expl.
State "17"
Adobe
Hannah
Yates Pet.
Hillburn City "KF"
Adobe
Head-State
C. Grace
Gov. McDonald
Montieth & Hannah, et al.
Montieth & Hannah, etal.
Montieth & Hannah
State
Amoco
3-18-79
L-2857
Merate, Inc.
11-18-79
L-3772
Cal-Mon, et al
3-1-87
LG-4082
H.E. Yates
So. Union Supply
1-1-86
LG-3333
Champlin
HBP
NCRA
9-10-79
Adobe
3-1-87
LG-4084
(Davoil Inc.)
L 6881
Yates
6-9-81
5-27-81
Cone Est.
12-1-82
LG-878
H.E. Yates
11-1-86
LG-3872
Huber
8-1-82
LG-473
Superior
1-1-86
LG-3334
Featherstone Dev.
6-1-81
L-6301
Yates
10-25-79
Amoco
2-15-82
L-7022
J.W. Richardson
S.A. Richardson
J.W. Richardson, etal
Allie Lambert
Ella Sartain
J.C. Sartain, etal
Howard Gilchrist
Cayton
K. Cayton
J.G. Jones
L.C. Bivens, etal
H. Haley
E. Walrer, et al
G.T. Manners
J.M. Welborn
12-22-80
Sun
N.M. State
Samedan
McClish
Skelly
Foster
Sinclair
Renshaw
Cayman
McClish
Amerada
Cayton
Union
Woodward
Mark Prod.
Jackson
Samedan
Federal
Kerner
(Blackwood & Nichols)
Woodward
W.K. Young
Pior
W.K. Young
Terry
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Water Damaged Documents

#6488

47

307

1-25-88

L. Blea

V.N.R.C.F. MICROGRAPHICS

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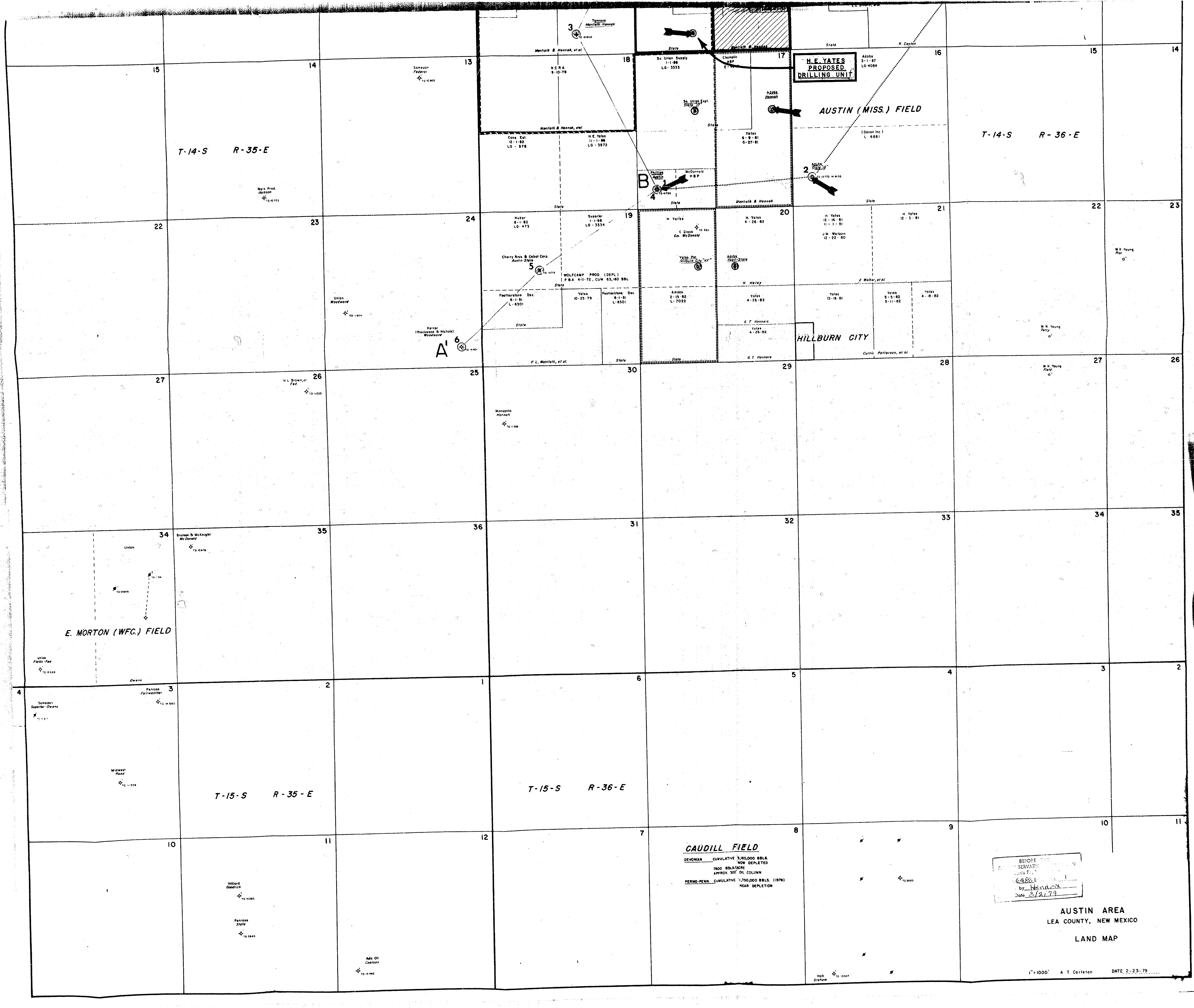
H. E. YATES PROPOSED DRILLING UNIT
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
A'
B
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4
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6
Tenneco Montieth-Hennah TO 10800
Montieth & Hennah, et al.
NCRA 9-10-79
Cone Est. 12-1-82 LG-878
H. E. Yates 11-1-86 LG-3872
So. Union Supply 1-1-86 LG-3333
So. Union Expl. State "17"
Champlin HBP
Adobe Hennah
Yates 6-9-81 5-27-81
Adobe 3-1-87 LG-4084
(Davoil Inc.) L-6881
K. Cayton
Adobe State "16" TO 13770 IN MISS.
Phillips Austin
McDonnold HBP
TO 14798
State
Huber 8-1-82 LG-473
Superior 1-1-86 LG-3334
Cherry Bros. & Cabot Corp. Austin State TO 14719
WOLFCAMP PROD. (DEPL.) P & A 4-11-72, CUM 63,160 BBL
Featherstone Dev. 6-1-81 L-6301
Yates 10-25-79
F. L. Montieth, et al.
Kerner (Rockwood & Nichols) Woodward
H. Yates
C. Grace Gov. McDonald TO 550
Yates Pet. Hillburn City "KF"
Adobe Head-State
Amoco 2-15-82 L-7022
H. Yates 4-26-82
H. Haley
Yates 4-26-82
G. T. Hanners
H. Yates 12-16-81 11-1-81
J. M. Welborn 12-22-80
H. Yates 12-3-81
E. Walker, et al.
Yates 12-16-81
Yates 5-5-82 5-11-82
Yates 4-18-82
Curtis Patterson, et al.
Monsanto Hannah
Samedan Federal
Union Woodward
Mark Prod. Jackson
H. L. Brown, Jr. Fed.
Brunson & McKnight McDonald
Union
Union Fields-Fed.
Owens
Samedan Superior-Owens
Penrose Fairweather
Midwest Reed
Hilliard Goodrich
Penrose State
Ada Oil Coalson
Holt Graham
W. K. Young Pipi
W. K. Young Terry
W. K. Young Field
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CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976)
NEAR DEPLETION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 1
by Hendrix
Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO

LAND MAP

1" = 1000' A. T. Carleton DATE 2-23-79

Water Damaged Documents
#6488
47
357-358
1-28-88
J. Bea

N.M.O.C.D. MICROGRAPHICS
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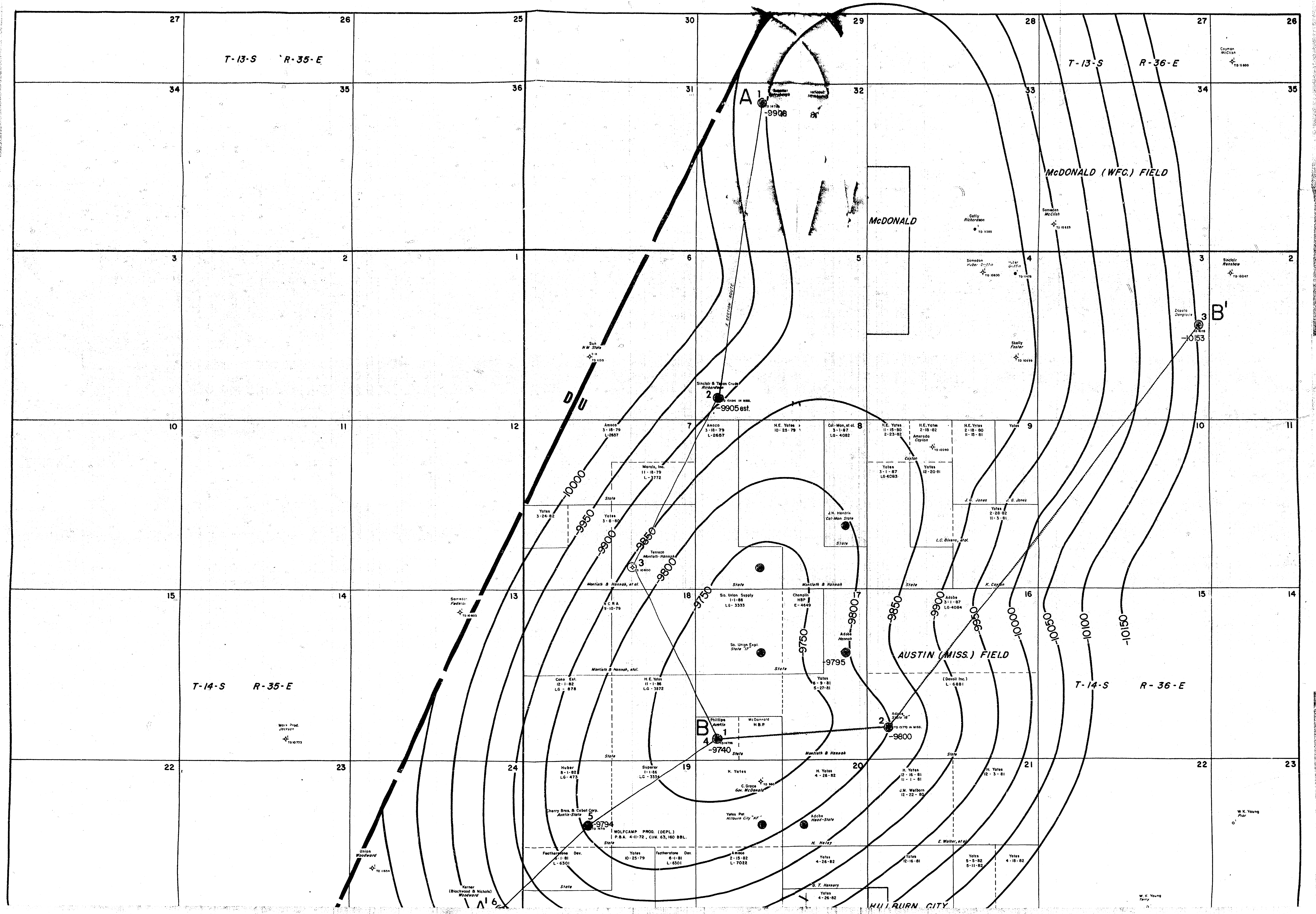
T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
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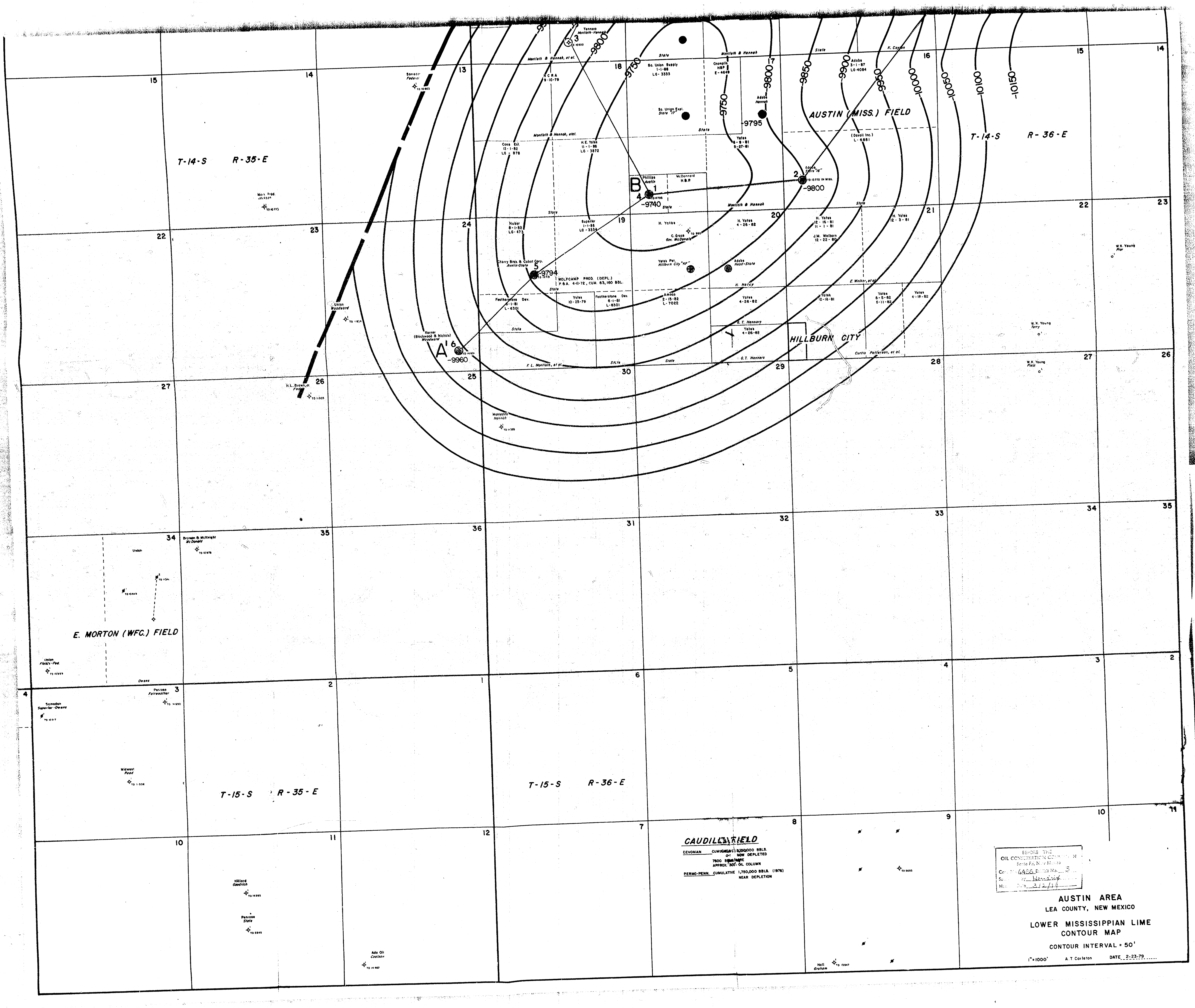
23
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HULBURN CITY
D U
X SECTION ROUTE
A 1
-9908
A' 6
B 1
4
-9740
B' 3
Zapata Dangiace
-10153
Sinclair & Texas Crude Richardson
2
TD 13494 IN MISS.
-9905 est.
Tenneco Montieth-Hannah
3
TD 10800
Adobe State "16"
2
TD 13770 IN MISS.
-9800
Adobe Hannah
-9795
Phillips Austin
Cherry Bros. & Cabot Corp. Austin-State
5
-9794
WOLFCAMP PROD. (DEPL.)
P&A 4-11-72, CUM. 63,160 BBL.
-10000
-9950
-9900
-9850
-9800
-9750
-10050
-10100
-10150
Sun NM State
Getty Richardson
Samedan McClish
Samedan Huber Griffin
Huber Griffin
Skelly Foster
Cayman McClish
Sinclair Renshaw
Amerada Caylon
J.H. Hendrix Cal-Mon State
So. Union Supply
So. Union Expl. State "17"
C. Grace Gov. McDonald
Yates Pet. Hillburn City "KF"
Adobe Head-State
Union Woodward
Kerner (Blackwood & Nichols) Woodward
Montieth & Hannah, et al.
State
W.K. Young Prior
W.K. Young Terry

Water Damaged Documents
#6488
47
307-308-309
1-28-88
L. Baca

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


AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
A'
B
-9740
-9794
-9795
-9800
-9960
9750
9800
9850
9900
9950
10000
10050
10100
10150
WOLFCAMP PROD. (DEPL.)
P.B.A. 4-11-72, CUM. 83,160 BBL.

CAUDILL FIELD

DEVONIAN CUMULATIVE 1,250,000 BBLS.
OIL NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976)
NEAR DEPLETION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 3
Submitted by Hennessy
Hearing Date 3/2/79

AUSTIN AREA

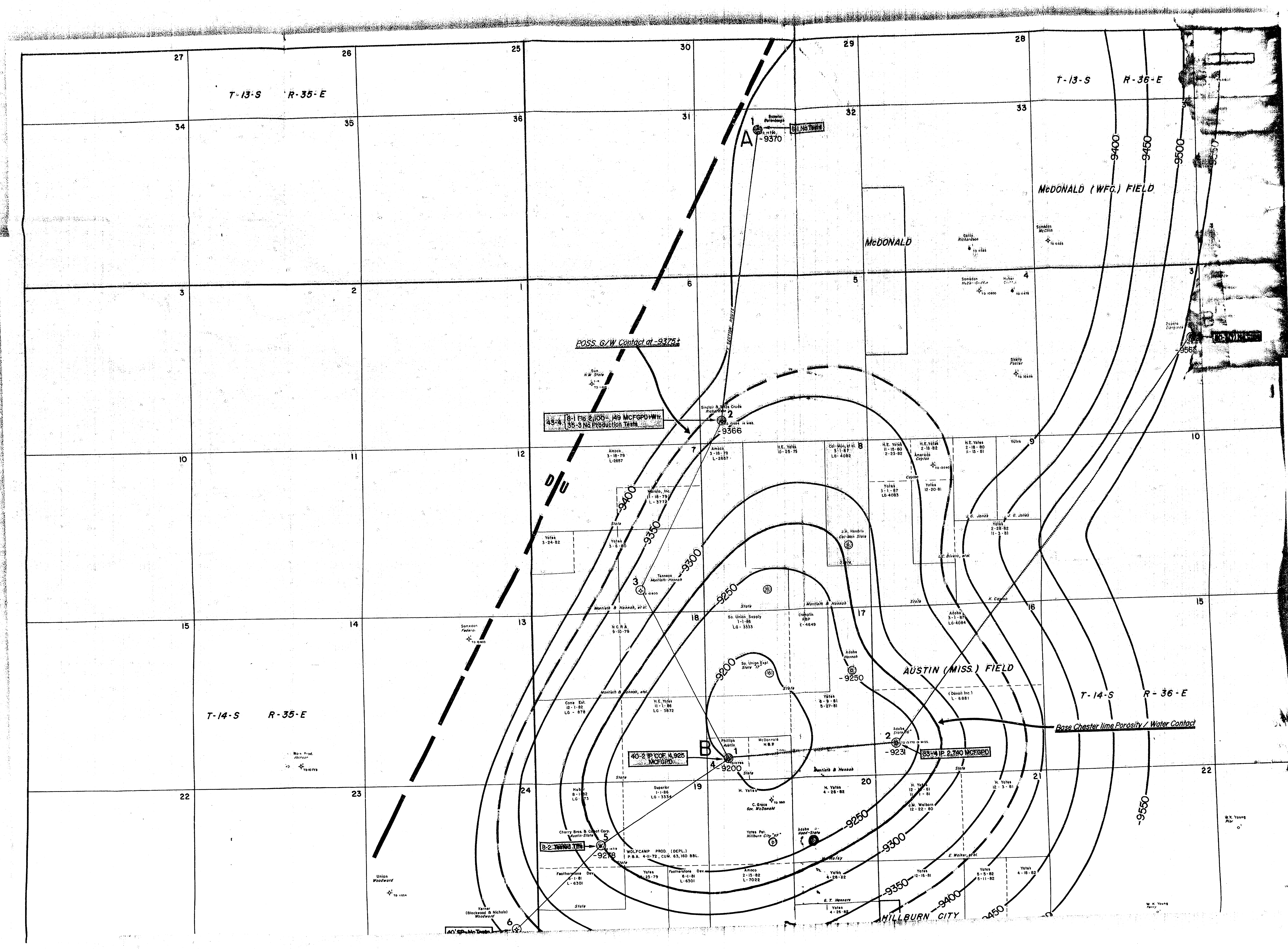
LEA COUNTY, NEW MEXICO

LOWER MISSISSIPPIAN LIME CONTOUR MAP

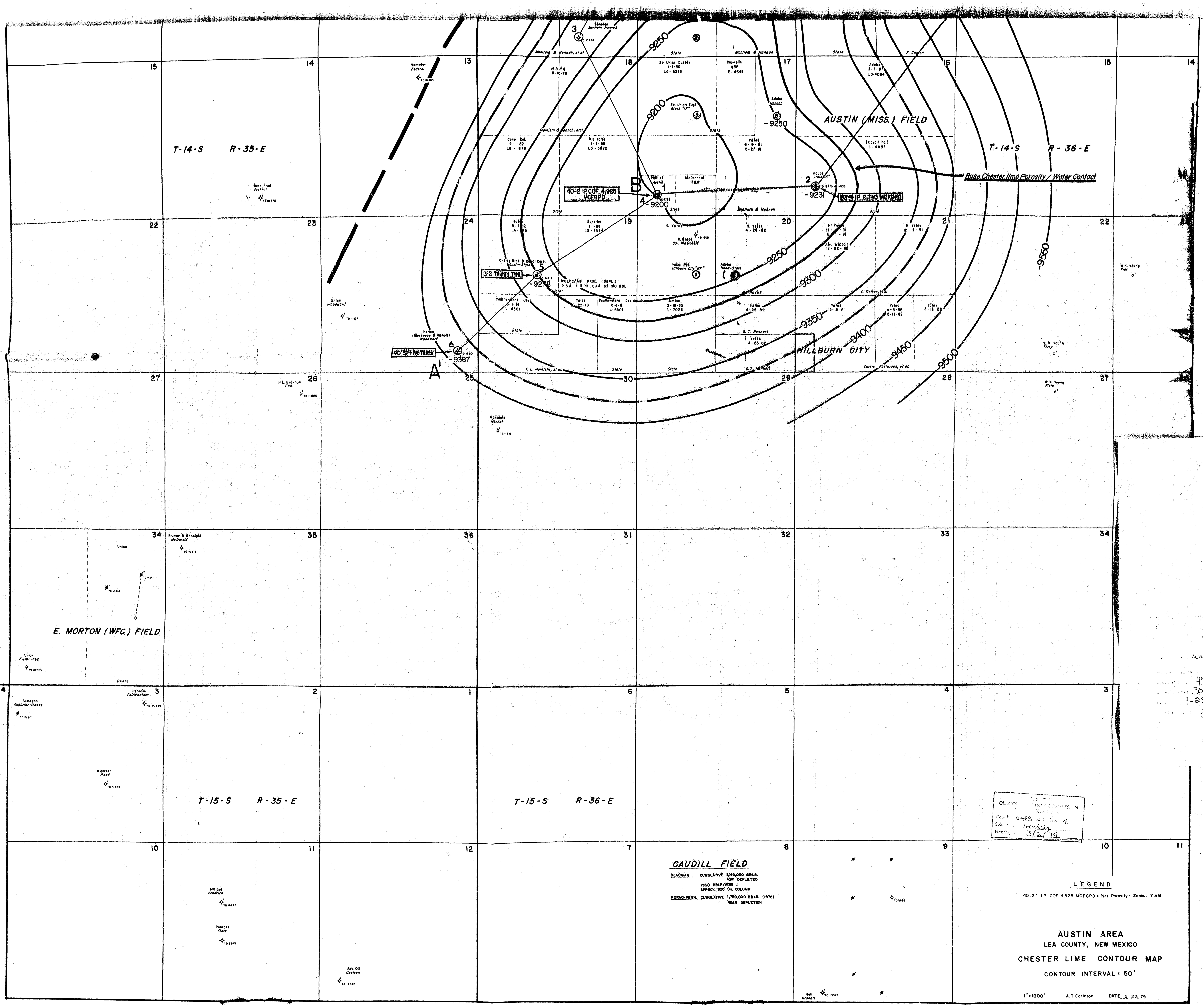
CONTOUR INTERVAL = 50'

1" = 1000' A.T. Carleton DATE 2-23-79

Water Damaged Documents
#6488
47
307-308-309-310
1-28-88
J. Blea


T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
A
B
D
U
X SECTION ROUTE
POSS. G/W Contact at -9375±
43-4 { 8-1 Flo 2,100 - 149 MCFGPD+Wtr. 35-3 No Production Tests
Sinclair & Yates Crude Richardson 2
-9366
-9370
8-1 No Tests
40-2 IP COF 4,925 MCFGPD
Phillips Austin 1
4 -9200
Adobe State "16" 2
-9231
83-4 IP 2,740 MCFGPD
Base Chester lime Porosity / Water Contact
Cherry Bros. & Cabot Corp. Austin-State 5
8-2 Tested Tite
-9278
WOLFCAMP PROD. (DEPL.) P.& A. 4-11-72, CUM. 63,160 BBL.
-9250
-9200
-9250
-9300
-9350
-9400
-9450
-9500
-9550
-9568
Sun N.M. State
Amoco 3-18-79 L-2657
H.E. Yates 10-25-79
Col-Mon, et al. 3-1-87 LG-4082
Maralo, Inc. 11-18-79 L-3772
Cone Est. 12-1-82 LG-878
H.E. Yates 11-1-86 LG-3872
Superior 1-1-86 LG-3334
Montieth & Hannah, etal.
Montieth & Hannah
So. Union Expl. State "17"
C. Grace Gov. McDonald
Yates Pet. Hillburn City "KF"
Adobe Head-State
(Davoil Inc.) L-6881
J.M. Welborn 12-22-80
Featherstone Dev. 6-1-81 L-6301
Amoco 2-15-82 L-7022
G. T. Henners
E. Walker, et al.
Union Woodward
Samedan Federal
Varner (Blackwood & Nichols) Woodward
State
27 26 25 30 29 28
34 35 36 31 32 33
3 2 1 6 5 4 3
10 11 12 7 8 9 10
15 14 13 18 17 16 15
22 23 24 19 20 21 22

Water Damaged Documents
#6488
47
307-308-309-310-311
1-28-88
L. Blea


T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
Base Chester lime Porosity / Water Contact
40-2 IP COF 4,925 MCFGPD
33'-4 IP 2,740 MCFGPD
8-2 Tested Thin
40' SP - No Tests
WOLFCAMP PROD. (DEPL.) P.&A. 4-11-72, CUM. 63,160 BBL.
B
A'
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6
-9200
-9231
-9250
-9278
-9387
9200
9250
9300
9350
9400
9450
9500
9550
Phillips Austin
McDonnold H.B.P.
Adobe State "16"
Adobe Hannah
Tenneco Montieth-Hannah
So. Union Expl. State "17"
Cherry Bros. & Cabot Corp. Austin-State
Kerner (Blackwood & Nichols) Woodward
So. Union Supply 1-1-86 LG-3333
Champlin HBP E-4649
N C R A 9-10-79
Cone Est. 12-1-82 LG-678
H. E. Yates 11-1-86 LG-3872
Yates 6-9-81 5-27-81
Adobe 3-1-87 LG-4084
(Davoil Inc.) L-6881
Huber 8-1-82 LG-673
Superior 1-1-86 LG-3334
H. Yates
C. Greer Gov. McDonald
Yates Pet. Hillburn City "KF"
Adobe Need-State
H. Yates 4-26-82
H. Yates 12-3-81
J.M. Welborn 12-22-80
Featherstone Dev. 8-1-81 L-6301
Yates 10-25-79
Amoco 2-15-82 L-7022
Yates 4-26-82
Yates 12-16-82
Yates 5-8-82 5-11-82
Yates 4-18-82
G. T. Hanners
E. Walker, et al.
Curtis Patterson, et al.
F. L. Montieth, et al.
Montieth & Hannah, et al.
Montieth & Hannah
K. Cason
State
Monsanto Hannah
W. K. Young Prior
W. K. Young Terry
W. K. Young Field
Union Woodward
H.L. Brown, Jr. Fed.
Samedan Federal
Bunton & McKnight McDonald
Union Fields-Fed
Samedan Seaboard-Owens
Penrose Fairweather
Midwest Reed
Hilliard Goodrich
Penrose State
Ada Oil Coulson
Hall Graham
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CAUDILL FIELD

DEVONIAN CUMULATIVE 3,190,000 BBLS. NOW DEPLETED
7600 BBLS/ACRE ;
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976) NEAR DEPLETION

BEFORE THE
OIL CONSERVATION COMMISSION
New Mexico
Case No. 6488 Exhibit No. 4
Submitted by Hendrix
Hearing Date 3/2/79

LEGEND

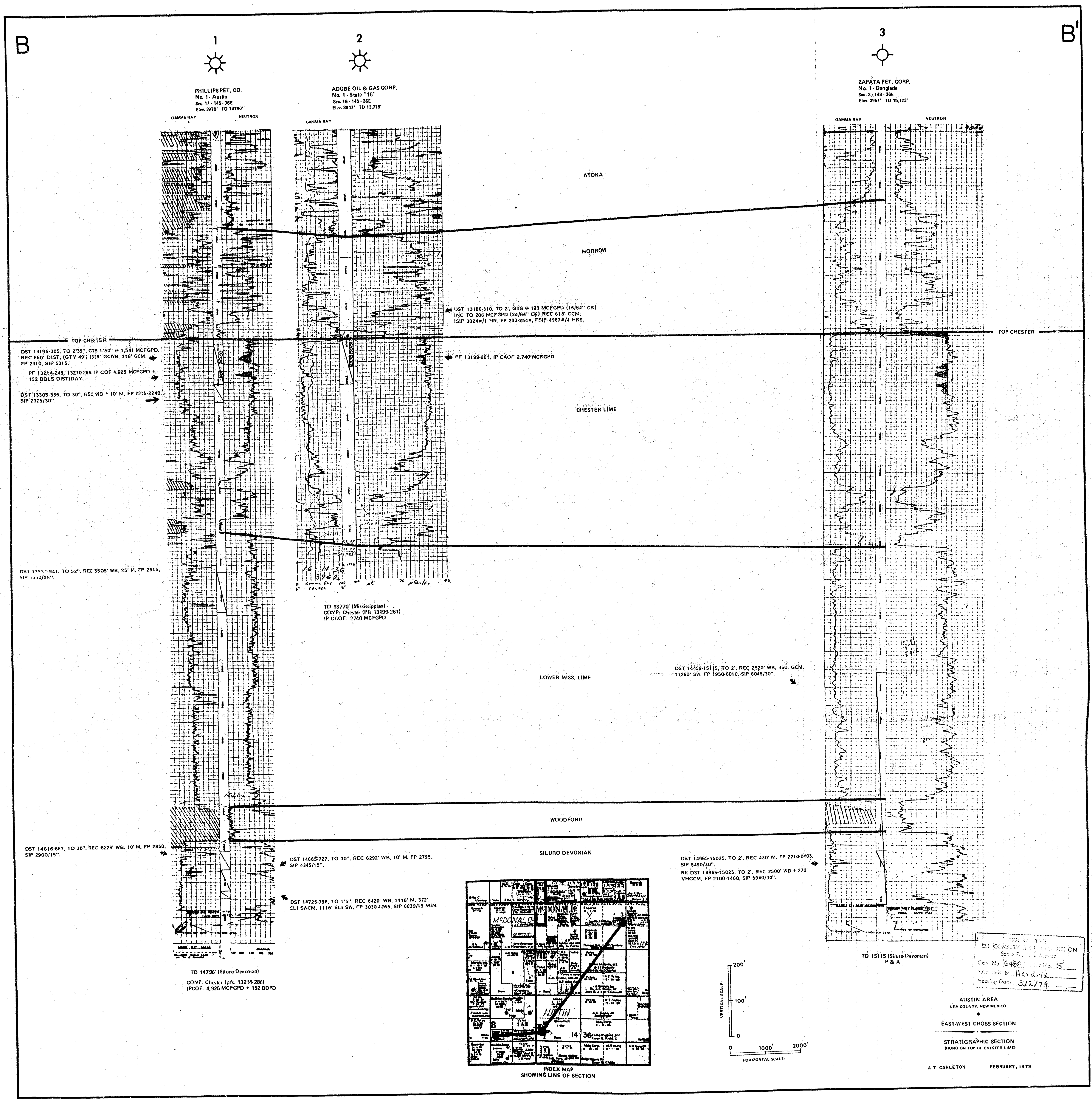
40-2 : IP COF 4,925 MCFGPD = Net Porosity - Zones : Yield

AUSTIN AREA
LEA COUNTY, NEW MEXICO
CHESTER LIME CONTOUR MAP
CONTOUR INTERVAL = 50'

1" = 1000' A.T. Carleton DATE 2-23-79

Water Damaged Documents
#6488
47
307-308-309-310-311-312
1-25-88
L. Blea

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


B
B'
1
2
3
GAMMA RAY
NEUTRON
GAMMA RAY
GAMMA RAY
NEUTRON
ATOKA
MORROW
TOP CHESTER
TOP CHESTER
CHESTER LIME
LOWER MISS. LIME
WOODFORD
SILURO DEVONIAN
16 - 14 - 36
3962
0 Gamma Ray 100
Caliper
McDONALD
AUSTIN
14 36
VERTICAL SCALE
200'
100'
0
0
1000'
2000'
HORIZONTAL SCALE

PHILLIPS PET. CO.
No. 1 - Austin
Sec. 17 - 14S - 36E
Elev. 3979' TD 14790'

ADOBE OIL & GAS CORP.
No. 1 - State "16"
Sec. 16 - 14S - 36E
Elev. 3947' TD 13,775'

ZAPATA PET. CORP.
No. 1 - Danglade
Sec. 3 - 14S - 36E
Elev. 3951' TD 15,123'

DST 13186-310, TO 2', GTS @ 103 MCFGPD (16/64" CK) INC TO 206 MCFGPD (24/64" CK) REC 613' GCM, ISIP 3824#/1 HR, FP 233-254#, FSIP 4967#/4 HRS.

DST 13195-305, TO 2'35", GTS 1'50" @ 1,541 MCFGPD, REC 660' DIST, (GTY 49°) 1316' GCWB, 316' GCM, FP 2310, SIP 5315.

PF 13214-248, 13270-286. IP COF 4,925 MCFGPD + 152 BBLS DIST/DAY.

PF 13199-261, IP CAOF 2,740 MCFGPD

DST 13305-356, TO 30", REC WB + 10' M, FP 2215-2240, SIP 2325/30".

DST 13930-941, TO 52", REC 5505' WB, 25' M, FP 2515, SIP 3350/15".

TD 13770' (Mississippian)
COMP: Chester (Pfs 13199-261)
IP CAOF: 2740 MCFGPD

DST 14459-15115, TO 2', REC 2520' WB, 360. GCM, 11260' SW, FP 1950-6010, SIP 6045/30".

DST 14616-667, TO 30", REC 6229' WB, 10' M, FP 2850, SIP 2900/15".

DST 14665-727, TO 30", REC 6292' WB, 10' M, FP 2795, SIP 4345/15".

DST 14725-796, TO 1'5", REC 6420' WB, 1116' M, 372' SLI SWCM, 1116' SLI SW, FP 3030-4265, SIP 6030/15 MIN.

DST 14965-15025, TO 2', REC 430' M, FP 2210-2405, SIP 5490/30".

RE-DST 14965-15025, TO 2', REC 2500' WB + 270' VHGCM, FP 2100-1460, SIP 5940/30".

TD 14796' (Siluro-Devonian)

COMP: Chester (pfs. 13214-286)
IPCOF: 4,925 MCFGPD + 152 BDPD

TD 15115 (Siluro-Devonian)
P & A

INDEX MAP
SHOWING LINE OF SECTION

BEFORE [illegible]
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 5
Submitted by Hendrix
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO
*
EAST-WEST CROSS SECTION

STRATIGRAPHIC SECTION
(HUNG ON TOP OF CHESTER LIME)

A.T CARLETON FEBRUARY, 1979

N.M.O.C.C. MICROGRAPHICS

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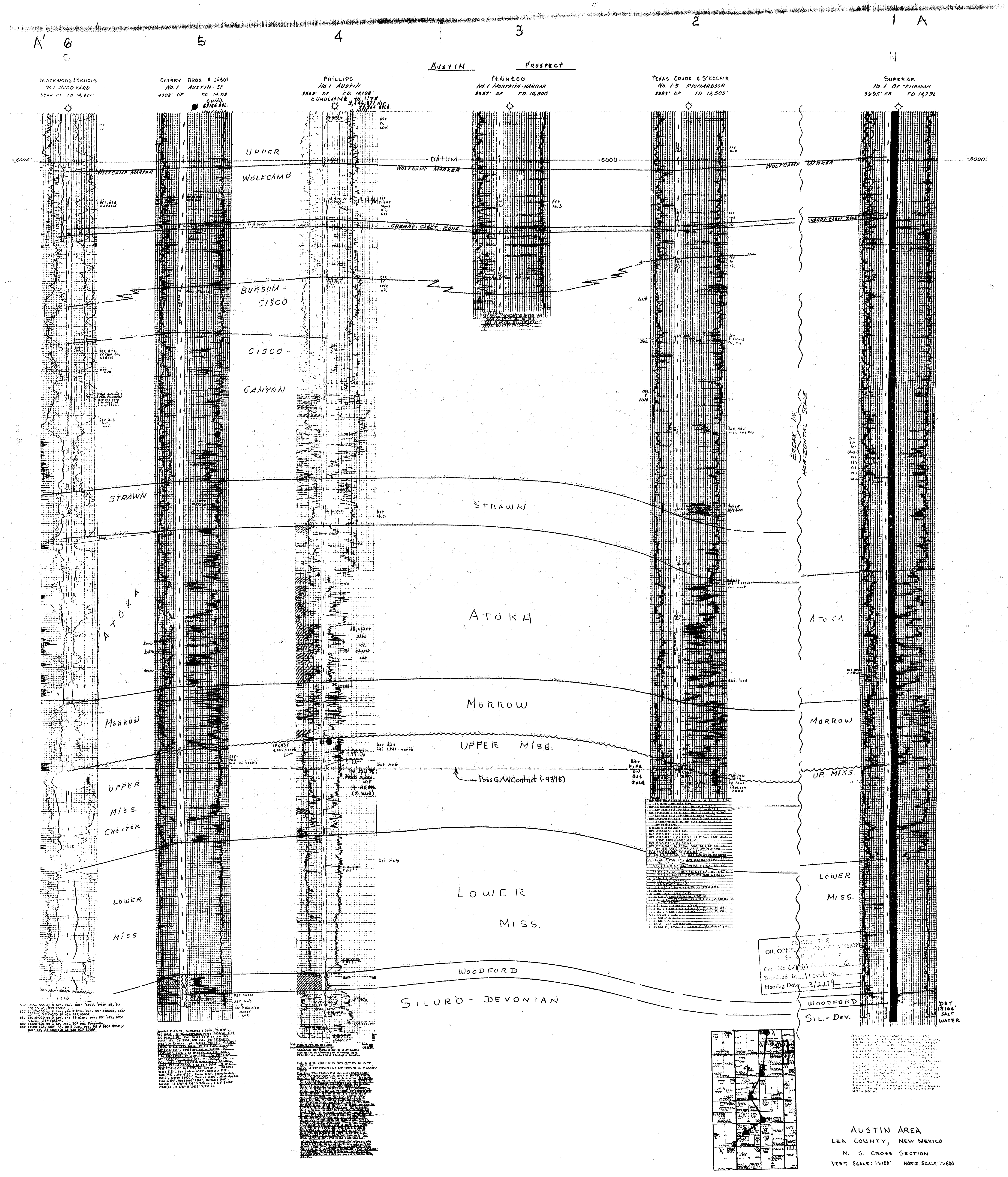
A'
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N
AUSTIN PROSPECT
BLACKWOOD & NICHOLS
No 1 WOODWARD
TD 14,601'
CHERRY BROS. & CABOT
No. 1 AUSTIN-ST.
4002' DF
T.D. 14,119'
CUMU. 63160 BBL.
PHILLIPS
No. 1 AUSTIN
3988' DF
T.D. 14,796'
CUMULATIVE TO 1-78
3,446,871 MCF
53,366 BBLS.
TENNECO
No. 1 MONTEITH-HANNAH
3997' DF
T.D. 10,800
TEXAS CRUDE & SINCLAIR
No. 1-5 RICHARDSON
3983' DF
TD 13,509'
SUPERIOR
No. 1 BF ELLHOUGH
3995' KB
T.D. 14,791'
-6000'
DATUM
UPPER WOLFCAMP
WOLFCAMP MARKER
CHERRY-CABOT ZONE
BURSUM-CISCO
CISCO-CANYON
STRAWN
ATOKA
MORROW
UPPER MISS.
Poss G/W Contact (-9878)
UPPER MISS. CHESTER
LOWER MISS.
WOODFORD
SILURO-DEVONIAN
BREAK IN HORIZONTAL SCALE
UP. MISS.
SIL.-DEV.
DST 13106' SALT WATER

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6480 Exhibit No. 6
Submitted by Hendrix
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO
N.-S. CROSS SECTION
VERT. SCALE: 1"=100' HORIZ. SCALE: 1"=600

A.N.M.C.P. MICROGRAPHICS
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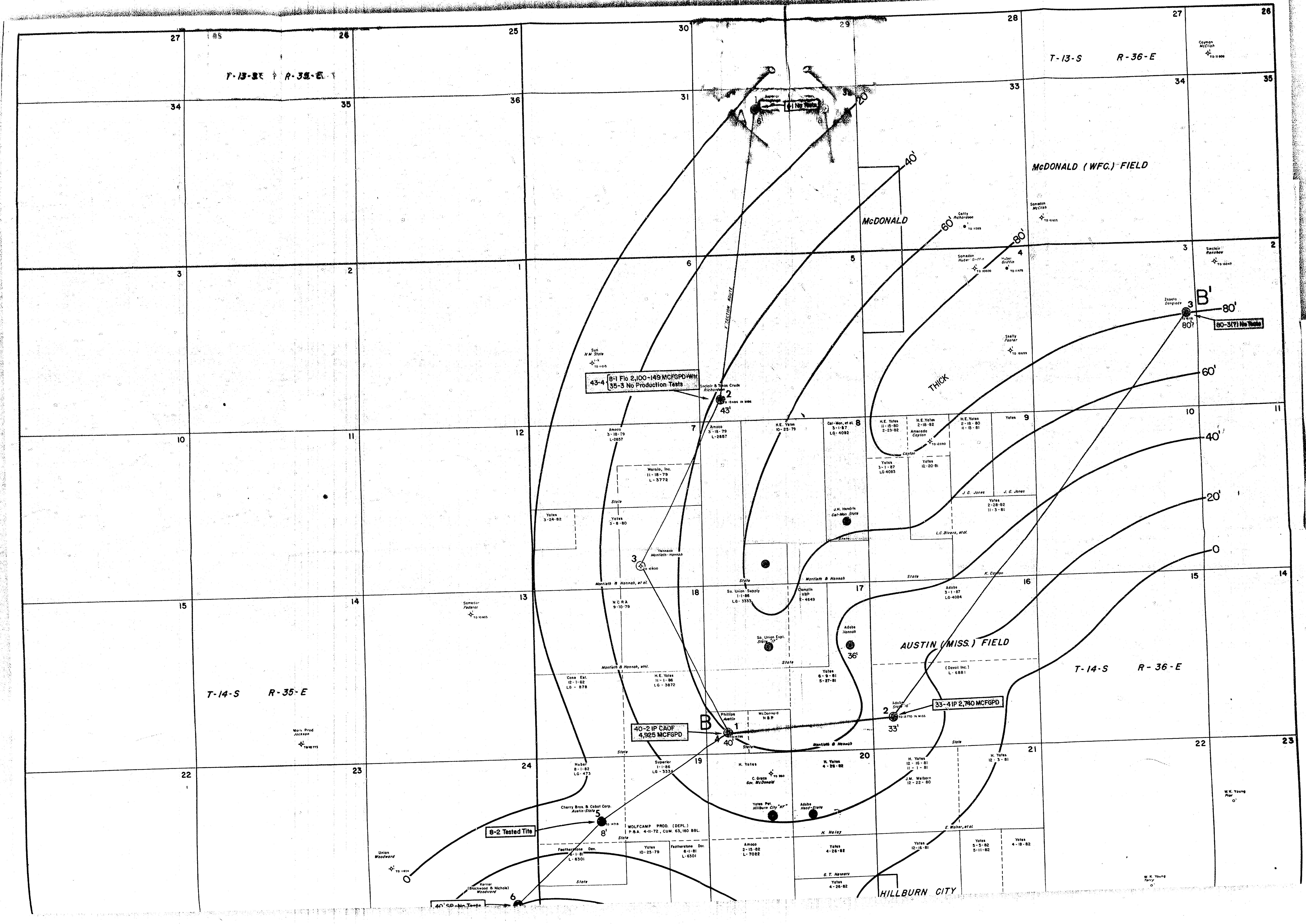
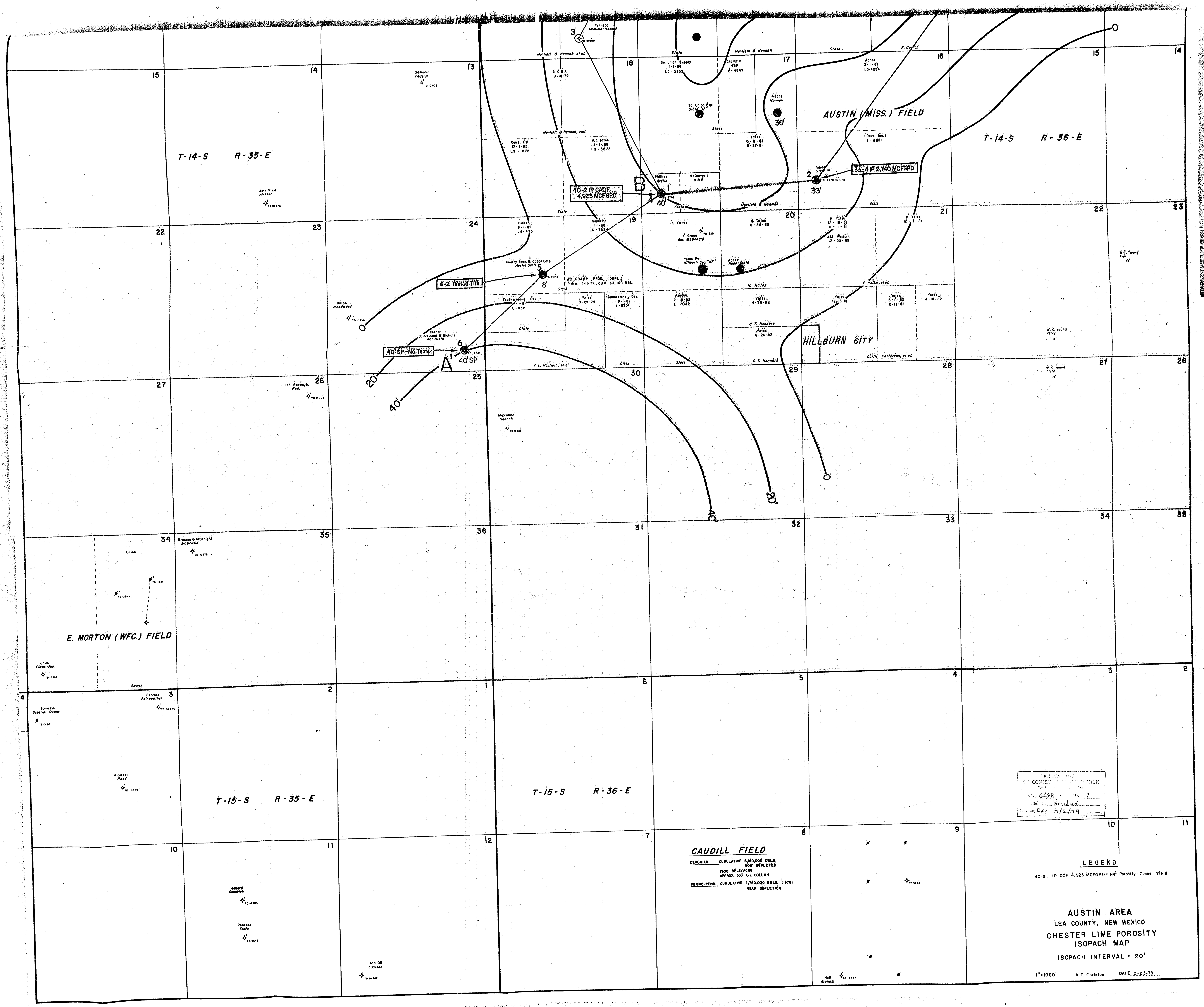

T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
THICK
X SECTION ROUTE
B
B'
0
20'
40'
60'
80'
43-4 {8-1 Flo 2,100-149 MCFGPD+Wtr. 35-3 No Production Tests}
Sinclair & Texas Crude Richardson 2
43'
40-2 IP CAOF 4,925 MCFGPD
Phillips Austin 1
40'
33-4 IP 2,740 MCFGPD
Adobe State "16" 2
TD 13770 IN MISS
33'
80-3(?) No Tests
Zapata Dangiada 3
80'?
8-2 Tested Tite
Cherry Bros. & Cabot Corp. Austin-State 5
TD 14719
8'
40' SP-No Tests
Kerner (Blackwood & Nichols) Woodward 6
Tenneco Montieth-Hannah 3
TD 10800
Adobe Hannah
36'
WOLFCAMP PROD. (DEPL.) P&A. 4-11-72, CUM. 63,160 BBL.
Sun N M State
Getty Richardson
Somedan McClish
Cayman McClish
Somedan Huber Griffin
Huber Griffin
Sinclair Renshaw
Skelly Foster
Amerada Cayton
J.H. Hendrix Cal-Mon State
So. Union Supply 1-1-86 LG-3333
So. Union Expl. State "17"
Champlin HBP E-4649
C. Grace Gov. McDonald
Yates Pet. Hillburn City "KF"
Adobe Head-State
Union Woodward
TD 11654
Montieth & Hannah
Montieth & Hannah, et al.
State
H. Yates
H. Holey
E. Walker, et al.
G. T. Hanners
J. G. Jones
L.C. Bivens, et al.
K. Cayton
J.M. Welborn 12-22-80
Amoco 3-18-79 L-2857
Marolo, Inc. 11-18-79 L-3772
NCRA 9-10-79
Cone Est. 12-1-82 LG-878
H.E. Yates 11-1-86 LG-3872
Huber 8-1-82 LG-473
Superior 1-1-86 LG-3334
Featherstone Dev. 6-1-81 L-6301
Amoco 2-15-82 L-7022
(Davoil Inc.) L-6881
Adobe 3-1-87 LG-4084
Cal-Mon, et al. 3-1-87 LG-4082
Yates 3-1-87 LG-4083

Water Damaged Documents
#6488
47
307-308-309-310-311-312-315
1-28-88
J. Baca


T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
40-2 IP CAOF 4,925 MCFGPD
33-4 IP 2,740 MCFGPD
8-2 Tested Tite
40' SP-No Tests
WOLFCAMP PROD. (DEPL.) P.&A. 4-11-72, CUM. 63,160 BBL.
B
A'
1
2
3
4
5
6
40
33'
36'
8'
40 SP
0
20'
40'
Tenneco Montieth-Hannah
Montieth & Hannah, et al
So. Union Supply 1-1-86 LG-3333
Champlin HBP E-4649
Adobe 3-1-87 LG-4084
K. Carlton
State
NCRA 9-10-79
So. Union Expl. State "17"
Adobe Hannah
Cone Est. 12-1-82 LG-878
H.E. Yates 11-1-86 LG-3872
Yates 6-9-81 6-27-81
(Davoil Inc.) L-6881
Phillips Austin
McDonald HBP
Adobe State "16"
Huber 8-1-82 LG-473
Superior 1-1-86 LG-3334
H. Yates
C. Grace Gov. McDonald
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
H. Yates 12-3-81
Cherry Bros. & Cabot Corp. Austin State
Yates Pet. Hillburn City "KF"
Adobe Head-State
H. Haley
E. Walker, et al.
Union Woodward
Featherstone Dev. 6-1-81 L-6301
Yates 10-25-79
Amoco 2-16-82 L-7022
Yates 4-26-82
Yates 12-16-81
Yates 5-6-82 5-11-82
Yates 4-18-82
G.T. Hanners
Curtis Patterson, et al.
Kerner (Blackwood & Nichols) Woodward
F.L. Montieth, et al.
H.L. Brown, Jr. Fed.
Monsanto Hannah
Mark Prod. Jackson
Samedan Federal
Union
Branson & McKnight McDonald
Owens
Union Fields-Fed
Samedan Superior-Owens
Penrose Fairweather
Midwest Reed
Hillard Goodrich
Penrose State
Ada Oil Coulson
Hall Graham
W.K. Young Fisk
W.K. Young Terry
W.K. Young Field
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CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,780,000 BBLS. (1976)
NEAR DEPLETION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 7
Submitted by Henkie
Hearing Date 3/2/79

LEGEND

40-2 : IP COF 4,925 MCFGPD = Net Porosity - Zones : Yield

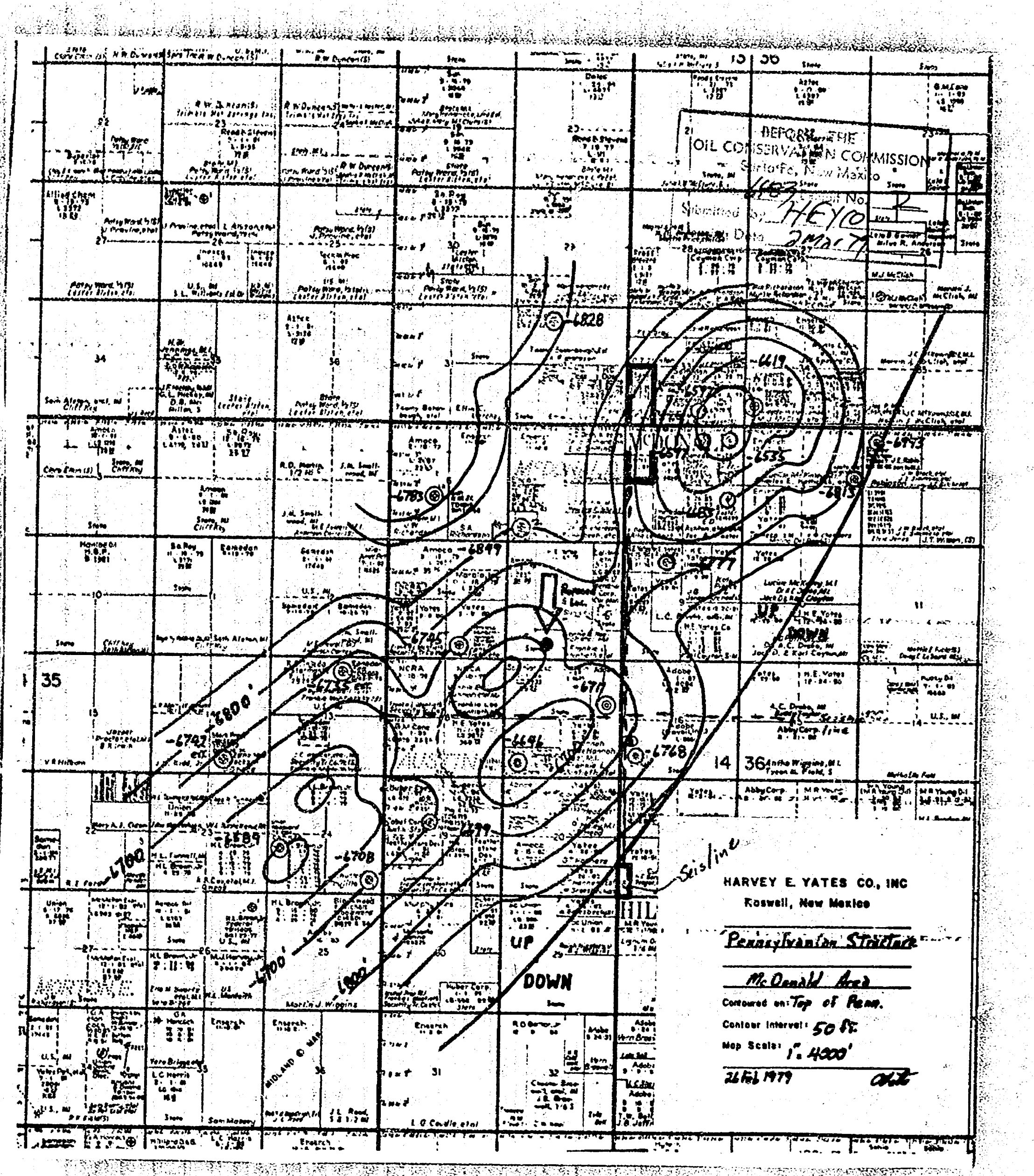
AUSTIN AREA
LEA COUNTY, NEW MEXICO
CHESTER LIME POROSITY
ISOPACH MAP

ISOPACH INTERVAL = 20'

1" = 1000'   A. T. Carleton   DATE 2-23-79

Documents
#6488
307 308 309 310 311 312 315 316
J. Bla

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
6483 Exhibit No. 2
Submitted by HEYCO
Hearing Date 2 Mar 79


-6828
-6419
-6768
-6773
35
14
36
UP
DOWN
Seisline

HARVEY E. YATES CO., INC
Roswell, New Mexico

Pennsylvanian Structure

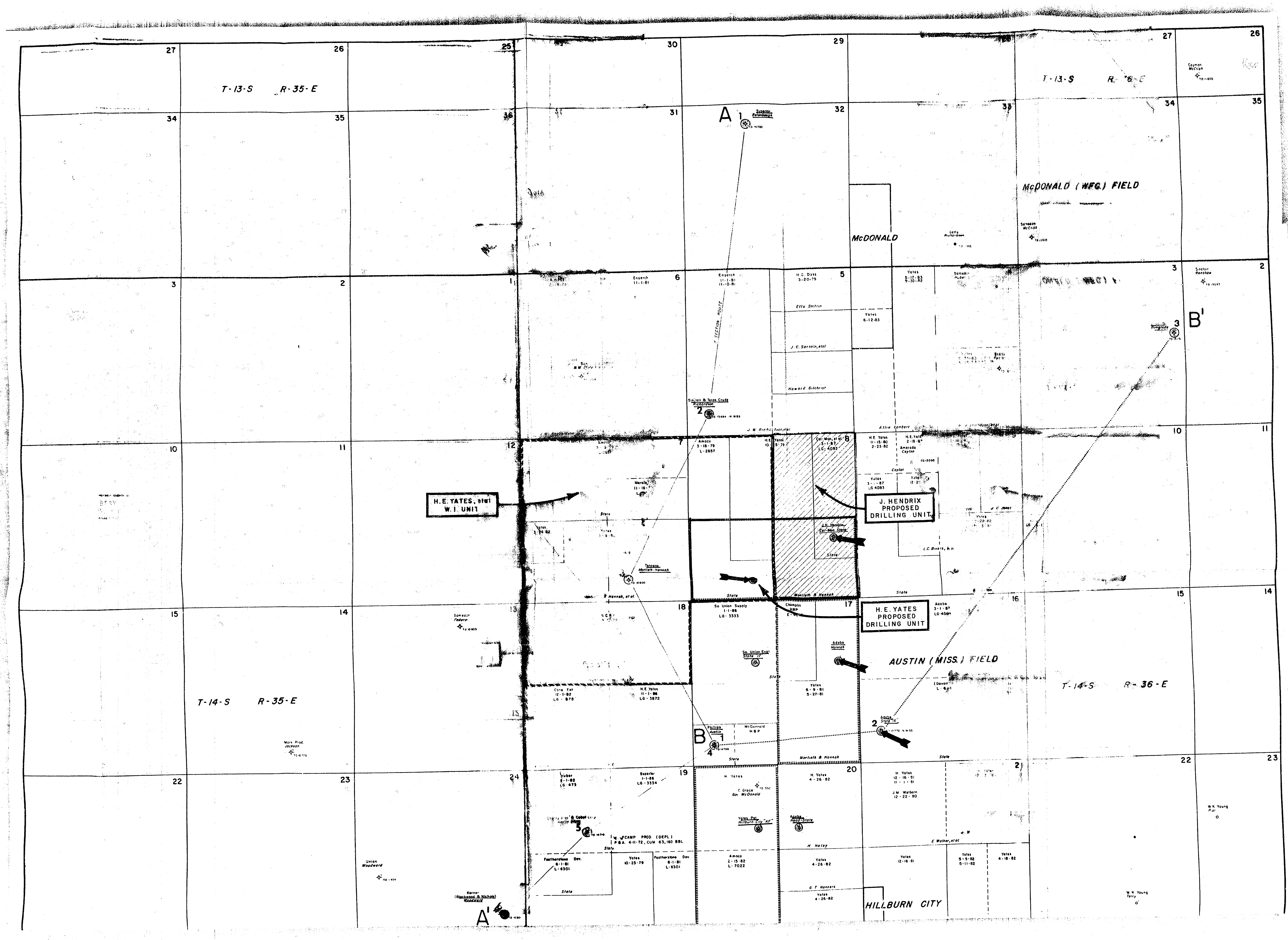
McDonald Area

Contoured on: Top of Penn.

Contour Interval: 50 ft.

Map Scale: 1" = 4000'

26 Feb 1979


T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
A
A'
B
B'
H.E. YATES, et al
W.I. UNIT
J. HENDRIX
PROPOSED
DRILLING UNIT
H.E. YATES
PROPOSED
DRILLING UNIT
Sinclair & Texas Crude
Richardson
J. H. Hendrix
Cal-Mon State
Tenneco
Montieth-Hannah
So. Union Expl
State 17
Adobe
Hannah
Adobe
State "16"
Phillips
Austin
Yates Pet
Hillburn City "KF"
Adobe
Head-State
McDonnold
HBP
Ella Sartain
J. C. Sartain, etal
Howard Gilchrist
J. W. Richardson, etal
Allie Lambert
L.C. Bivens
Montieth & Hannah
So Union Supply
1-1-88
LG-3333
Champlin
HBP
Amoco
3-18-79
L-2657
Cal-Mon, et al
3-1-87
LG-4082
Cone Est
12-1-82
LG-878
H.E. Yates
11-1-86
LG-3872
Superior
1-1-86
LG-3334
Featherstone Dev.
6-1-81
L-6301
Amoco
2-15-82
L-7022
FCAMP PROD. (DEPL)
P&A 4-11-72, CUM 63,160 BBL
H. Yates
C Grace
Gov McDonald
H. Haley
G T Hanners
E Walker, et al
J.M. Welborn
12-22-80
Kerner
(Rockwood & Nichols)
Woodward
Union
Woodward
State

Water Damaged Documents

#6488

47

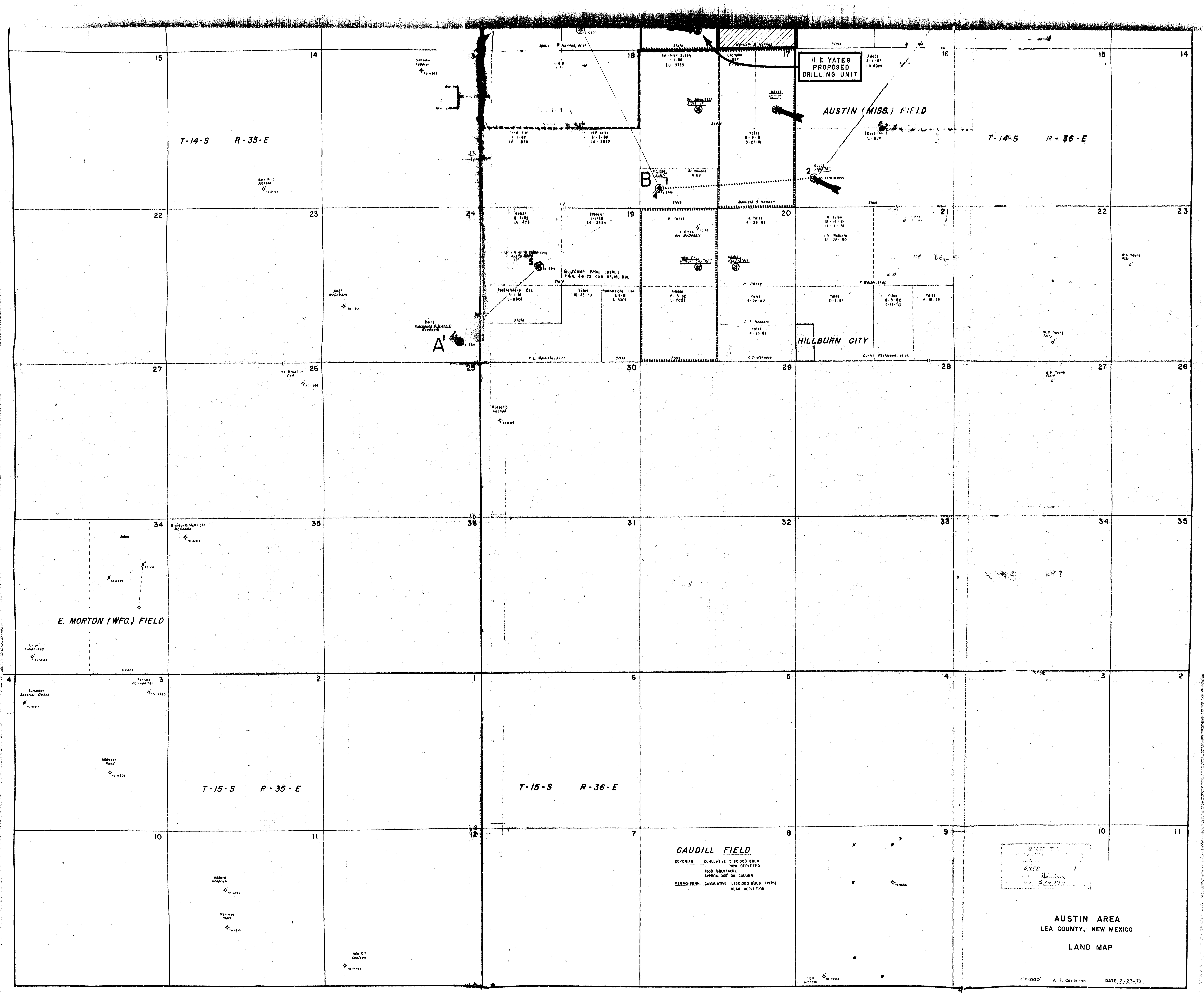
307-308-309-310-311-312-315-316-318

1-28-88

L. Blea

N.M.M.C.F. MICROGRAPHICS

BEST AVAILABLE COPY


H. E. YATES
PROPOSED
DRILLING UNIT
AUSTIN (MISS.) FIELD
T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
E. MORTON (WFC.) FIELD
HILLBURN CITY
A'
B
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2
3
4
State
Montieth & Hannah
So Union Supply
1-1-86
LG-3333
Champlin
HBP
Adobe
3-1-87
LG-4063
Adobe
Hannah
So. Union Expl
State "II"
Yates
6-9-81
5-27-81
Phillips
Austin
McDonnold
HBP
Adobe
State "16"
H. Yates
C. Grace
Gov. McDonald
H. Yates
4-26-82
H Yates
12-16-81
11-1-81
J M Welborn
12-22-80
Yates Pet.
Hillburn City "KF"
Adobe
Head-State
Yates
4-26-82
Amoco
8-15-82
L-7022
Featherstone Gas
8-1-81
L-6301
Yates
10-25-79
Yates
12-18-81
Yates
4-18-82
G. T. Hanners
Yates
4-26-82
Curtis Patterson, et al
F. L. Montieth, et al
Union
Woodside
Union
Fields - Fed
Owens
Brunson & McKnight
McDonald
Penrose
Fairweather
Midwest
Reed
Hillard
Goodrich
Penrose
State
Ada Oil
Lawson
W. K. Young
Hall
Graham
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GAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976)
NEAR DEPLETION

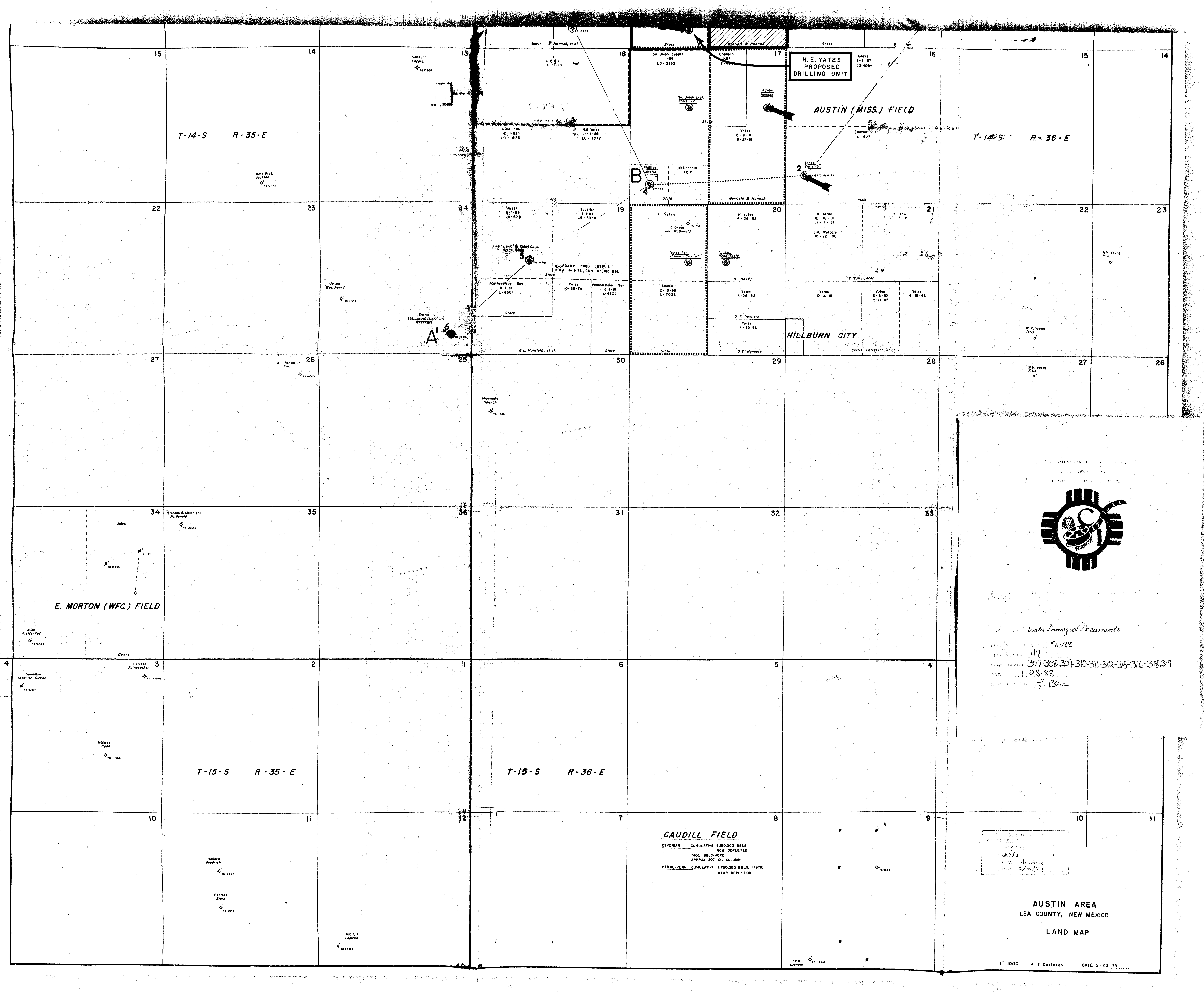
6388
Hendrix
5/7/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO

LAND MAP

1"=1000' A. T. Carleton DATE 2-23-79

Water Damaged Documents
#6488
47
307-308-309-310-311-312-315-316-318-319
1-28-88
L. Blea


T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
H. E. YATES PROPOSED DRILLING UNIT
AUSTIN (MISS.) FIELD
E. MORTON (WFC.) FIELD
HILLBURN CITY
A'
B
1
2
4
5
State
Monteith & Hannah
So. Union Supply 1-1-86 LG-3333
Champlin HBP
Adobe 3-1-87 LG-4094
So. Union Expl. State "17"
Adobe Hannah
Yates 6-9-81 5-27-81
Cone Est. 12-1-82 LG-878
H.E. Yates 11-1-86 LG-3872
Phillips Austin
McDonnold HBP
Adobe State "16"
TD 13770 IN MISS.
Huber 6-1-82 LG-473
Superior 1-1-86 LG-3334
WOLFCAMP PROD. (DEPL.) P.&A. 4-11-72, CUM. 63,160 BBL.
Featherstone Dev. 6-1-81 L-6301
Yates 10-25-79
F. L. Monteith, et al.
Kerner (Blackwood & Nichols) Woodward
H. Yates
C. Grace Gov. McDonald
Yates Pet. Hillburn City "KF"
Adobe Head-State
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
H. Haley
E. Walker, et al
Yates 4-26-82
Yates 12-16-81
Yates 5-5-82 5-11-82
Yates 4-18-82
G. T. Hanners
Curtis Patterson, et al.
Amoco 2-15-82 L-7022
Sameuan Federal
Mark Prod. Jackson
Union Woodward
H.L. Brown, Jr. Fed.
Monsanto Hannah
W.K. Young Prior
W. K. Young Terry
W.K. Young Field
Union
Brunson & McKnight McDonald
Union Fields-Fed
Owens
Somedan Superior-Owens
Penrose Fairweather
Midwest Reed
Hilliard Goodrich
Penrose State
Ado Oil Coolson
Hall Graham
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CAUDILL FIELD

DEVONIAN CUMULATIVE 3,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976)
NEAR DEPLETION

BEFORE THE
[illegible]
Case No. 6488 1
Hendrix
3/2/79

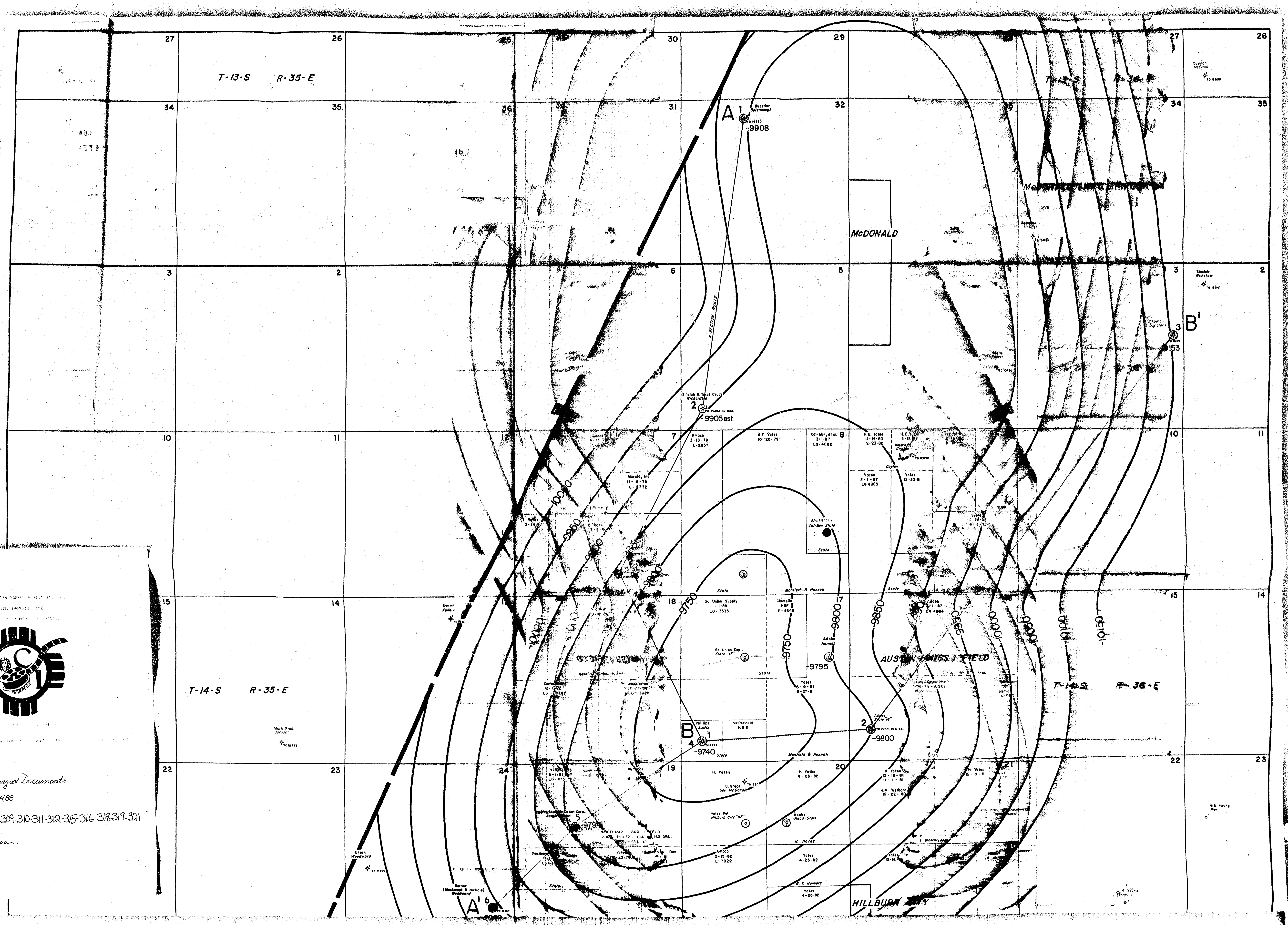
AUSTIN AREA
LEA COUNTY, NEW MEXICO

LAND MAP

1"=1000' A. T. Carleton DATE 2-23-79

Water Damaged Documents
#6488
47
307-308-309-310-311-312-315-316-318-319
1-28-88
L. Blea

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


T-13-S R-35-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
A
A'
B
B'
-9908
-9905 est.
-9740
-9800
-9795
-9750
-9800
-9850
-9900
-9950
-10000
-10050
-10100
-10150
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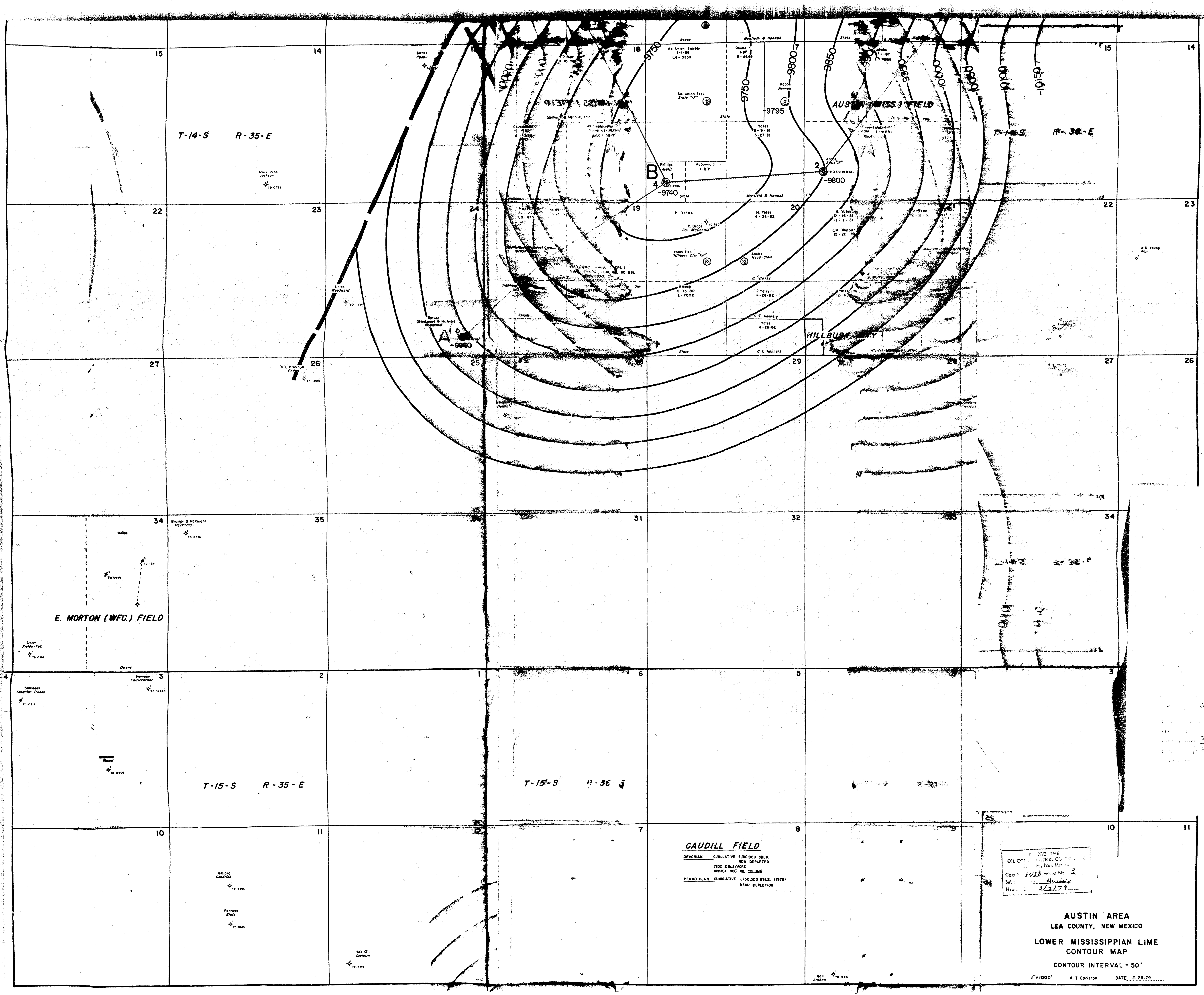
Water Damaged Documents
#6488
47
307-308-309-310-311-312-315-316-318-319-321
1-28-88
L. Blea


T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
E. MORTON (WFC.) FIELD
HILLBURN CITY
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-9740
-9800
-9795
-9960
9750
9800
9850
9900
9950
10000
10050
10100
10150
So. Union Supply
Phillips Austin
McDonald H.B.P.
H. Yates
Yates
Adobe
State
Union Woodward
N.L. Brown, Jr.
Mark Prod.
W.K. Young
Union
Bruner & McKnight McDonald
Union Fields-Fed.
Penrose Fairweather
Owens
Samedan
Hilliard Goodrich
Penrose State
Ada Oil Carleton
Hall Graham

CAUDILL FIELD

DEVONIAN	CUMULATIVE	5,180,000 BBLS. NOW DEPLETED
	7500 BBLS/ACRE APPROX. 300' OIL COLUMN	
PERMO-PENN.	CUMULATIVE	1,750,000 BBLS. (1976) NEAR DEPLETION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 3
Submitted by Hendrix
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO

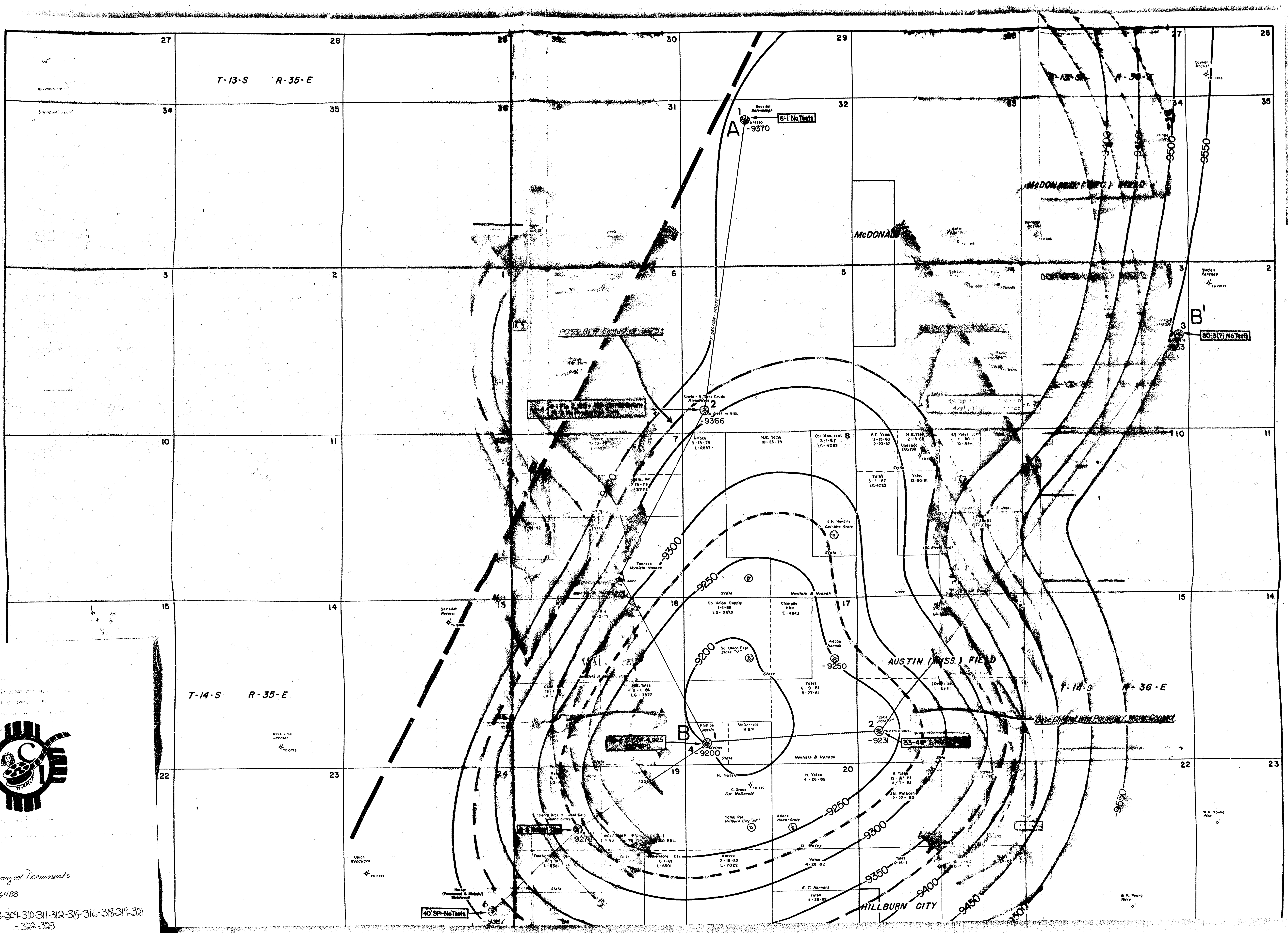
LOWER MISSISSIPPIAN LIME CONTOUR MAP

CONTOUR INTERVAL = 50'

1" = 1000' A. T. Carleton DATE 2-23-79

Water Damaged Documents
#6488
47
307-308-309-310-311-312-315-316-318-319-321
1-28-93 -322
L. Blea

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


T-13-S R-35-E
T-14-S R-35-E
T-14-S R-36-E
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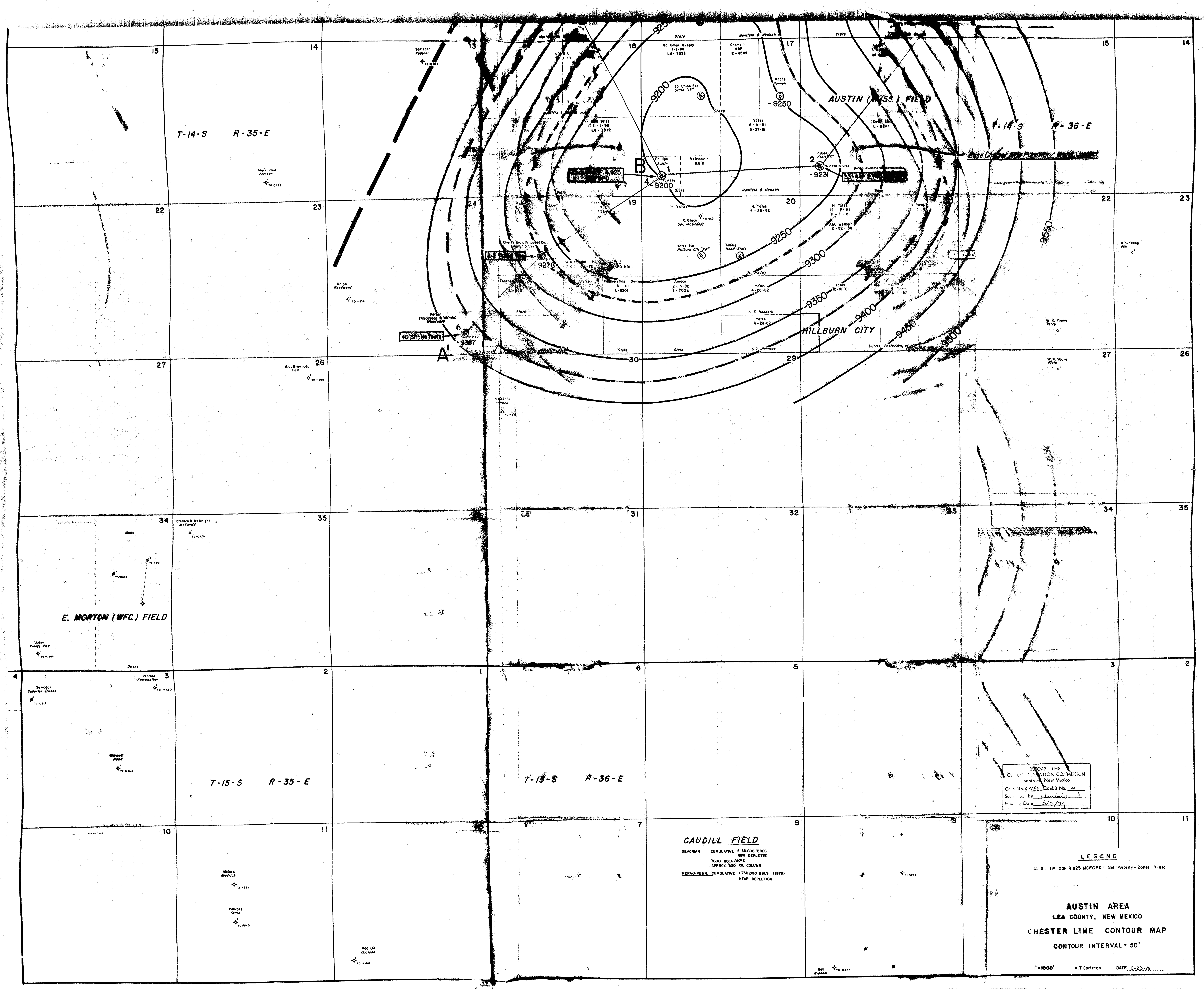
McDONALD
McDONALD (WFC.) FIELD
AUSTIN (MISS.) FIELD
HILLBURN CITY
A
A'
B
B'
Superior Rotenberry
6-1 No Tests
-9370
Y SECTION ROUTE
POSS. G/W Contact -9375±
Sinclair & Texas Crude Richardson
2
TD 13494 IN MISS.
-9366
Amoco 3-18-79 L-2687
H.E. Yates 10-25-79
Cal-Mon, et al. 3-1-87 LG-4082
H.E. Yates 11-15-80 2-23-82
H.E. Yates 2-18-82
Amerada Cayton
Yates 3-1-87 LG-4083
Yates 12-20-81
J.H. Hendrix Cal-Mon State
Tenneco Montieth-Hannah
State
Montieth & Hannah
So. Union Supply 1-1-86 LG-3333
Champlin HBP E-4649
So. Union Expl. State "17"
Adobe Hannah
-9250
Yates 6-9-81 5-27-81
H.E. Yates 11-1-86 LG-3872
Phillips Austin
McDonald HBP
1
4
-9200
2
Adobe State "6"
TD 13770 IN MISS.
-9231
33-41P
H. Yates
C. Grace Gov. McDonald
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
Yates Pet. Hillburn City "XF"
Adobe Hood-State
Cherry Bros. & Cabot Corp. Austin State
-9276
Featherstone Dev. 6-1-81 L-6301
Amoco 2-15-82 L-7022
H. Haley
Yates 4-26-82
G. T. Hanners
Yates 12-16-81
6
-9387
40' SP-No Tests
Union Woodward
Base Chester lime Porosity / Water Contact
3
80-3(?) No Tests
-9333
Sinclair Renshaw
Coyote McClain
W.K. Young
9200
9250
9300
9350
9400
9450
9500
9550

Water Damaged Documents
#6488
47
307-308-309-310-311-312-315-316-318-319-321
1-28-88 -322-323
L. Blea


T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
Base Chester
B
A'
-9200
-9250
-9300
-9350
-9400
-9450
-9500
-9550
-9231
-9278
-9387
4,925
40' SP-No Tests
Phillips Austin
McDonald H.B.P.
So. Union Supply 1-1-86 LG-3333
Champlin HBP E-4649
So. Union Expl. State "17"
Adobe Hannah
Adobe State "16"
Yates 6-9-81 6-27-81
H. Yates 4-26-82
Yates Pet. Hillburn City "KF"
Adobe Head-State
Amoco 2-15-82 L-7022
Featherstone Dev. 6-1-81 L-6301
G.T. Hanners
Curtis Patterson, et al
Montieth & Hannah
State
C. Grace Gov. McDonald
J.M. Welborn 12-22-80
Union Woodward
H.L. Brown, Jr. Fed
Mark Prod. Jackson
Sonedor Federal
Bryson & McKnight McDonald
Union Fields-Fed
Sonedor Superior-Owens
Penrose Fairweather
Hilliard Goodrich
Penrose State
Ado Oil Coulson
Hall Graham
W.K. Young
Odessa

CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976)
NEAR DEPLETION

LEGEND

40 2 : IP COF 4,925 MCFGPD = Net Porosity - Zones : Yield

AUSTIN AREA
LEA COUNTY, NEW MEXICO
CHESTER LIME CONTOUR MAP
CONTOUR INTERVAL = 50'

1" = 1000'   A.T. Carleton   DATE 2-23-79

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 4
Submitted by Hendrix
Hearing Date 3/2/79

Water Damaged Documents
#6488
47
307-308-309-310-311-312-315-316-318-319-321
1-28-88 -322-323-324
J. Blea

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

Water Damaged Documents

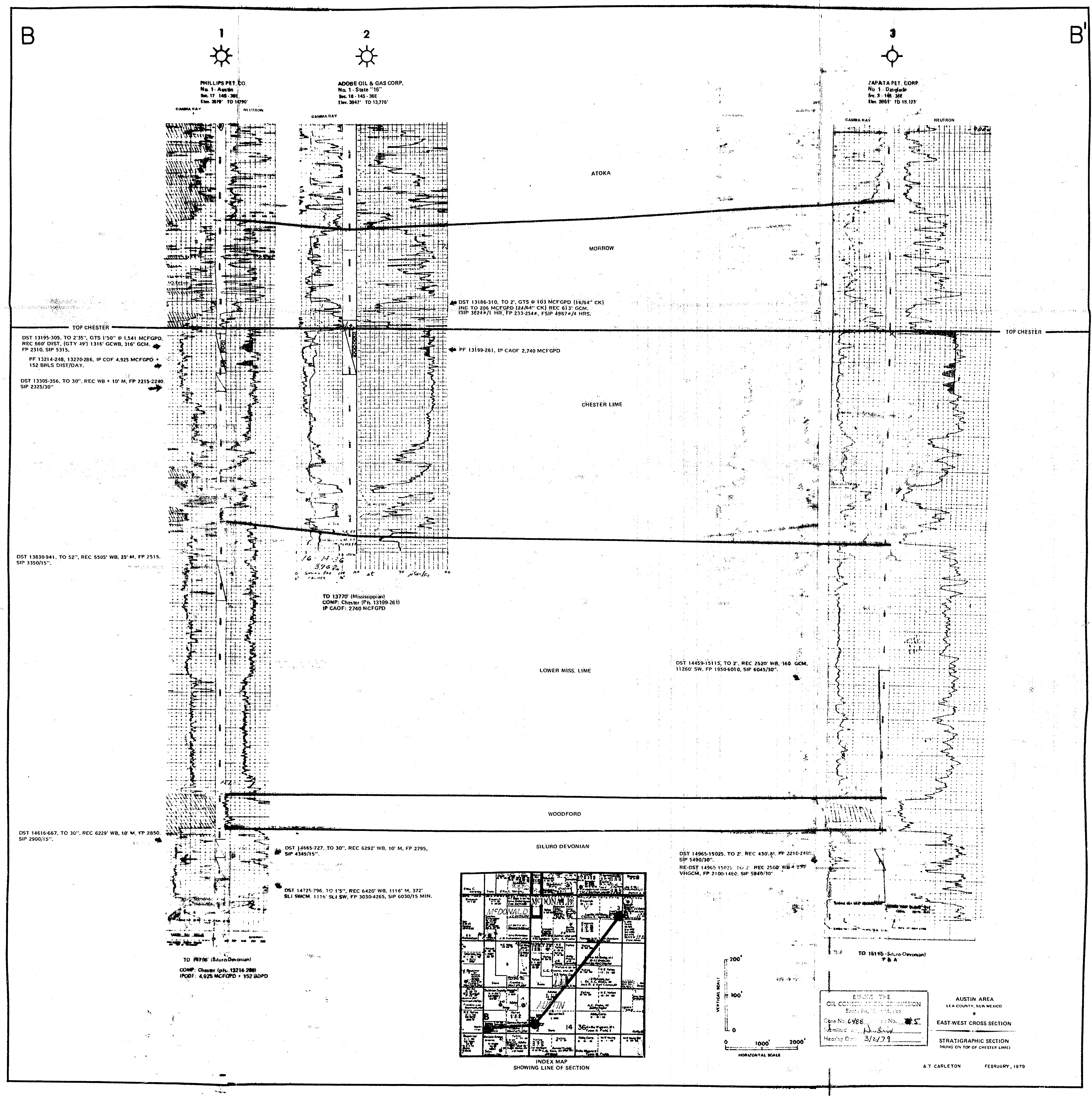
#6488

47

307-308-309-310-311-312-315-316-318-319-321

1-28-88 -322-323-324-325

L. Blea


B
B'
1
PHILLIPS PET. CO.
No. 1 - Austin
Sec. 17 14S - 36E
Elev. 3979' TD 14790'
GAMMA RAY
NEUTRON
2
ADOBE OIL & GAS CORP.
No. 1 - State "16"
Sec. 16 - 14S - 36E
Elev. 3947' TD 13,775'
GAMMA RAY
16-14-36
3962
0 Gamma Ray 100
Caliper
100 Δt 70 μsec/ft 40
3
ZAPATA PET. CORP.
No. 1 - Danglade
Sec. 3 - 14S - 36E
Elev. 3901' TD 15,123'
GAMMA RAY
NEUTRON
ATOKA
MORROW
TOP CHESTER
CHESTER LIME
LOWER MISS. LIME
WOODFORD
SILURO DEVONIAN
McDONALD
AUSTIN
14
36
VERTICAL SCALE
200'
100'
0
0
1000'
2000'
HORIZONTAL SCALE

DST 13195-305, TO 2'35", GTS 1'50" @ 1,541 MCFGPD. REC 660' DIST. (GTY 49°) 1316' GCWB, 316' GCM. FP 2310, SIP 5315.

PF 13214-248, 13270-286, IP COF 4,925 MCFGPD + 152 BBLS DIST/DAY.

DST 13305-356, TO 30", REC WB + 10' M, FP 2215-2240. SIP 2325/30"

DST 13830-941, TO 52", REC 5505' WB, 25' M, FP 2515, SIP 3350/15".

DST 14616-667, TO 30", REC 6229' WB, 10' M, FP 2850. SIP 2900/15".

TD 14786' (Siluro-Devonian)

COMP: Chester (pfs. 13214-286)
IPCOF: 4,925 MCFGPD + 152 BOPD

DST 13186-310, TO 2', GTS @ 103 MCFGPD (16/64" CK) INC TO 206 MCFGPD (24/64" CK) REC 613' GCM. ISIP 3824#/1 HR, FP 233-254#, FSIP 4967#/4 HRS.

PF 13199-261, IP CAOF 2,740 MCFGPD

TD 13770' (Mississippian)
COMP: Chester (Pfs. 13199-261)
IP CAOF: 2740 MCFGPD

DST 14665-727, TO 30", REC 6292' WB, 10' M, FP 2795, SIP 4345/15".

DST 14725-796, TO 1'5", REC 6420' WB, 1116' M, 372' SLI SWCM, 1116' SLI SW, FP 3030-4265, SIP 6030/15 MIN.

DST 14459-15115, TO 2', REC 2520' WB, 360' GCM, 11260' SW, FP 1950-6010, SIP 6045/30".

DST 14965-15025, TO 2', REC 430' M, FP 2210-2405, SIP 5490/30".

RE-DST 14965-15025, TO 2', REC 2500' WB + 270' VHGCM, FP 2100-1460, SIP 5940/30"

TD 15115 (Siluro-Devonian)
P & A

INDEX MAP
SHOWING LINE OF SECTION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 5
Submitted by
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO
*
EAST-WEST CROSS SECTION

STRATIGRAPHIC SECTION
(HUNG ON TOP OF CHESTER LIME)

A.T. CARLETON FEBRUARY, 1979

W.N.M.C.P. MICROGRAPHICS

BEST AVAILABLE COPY

✓ Water Damaged Documents

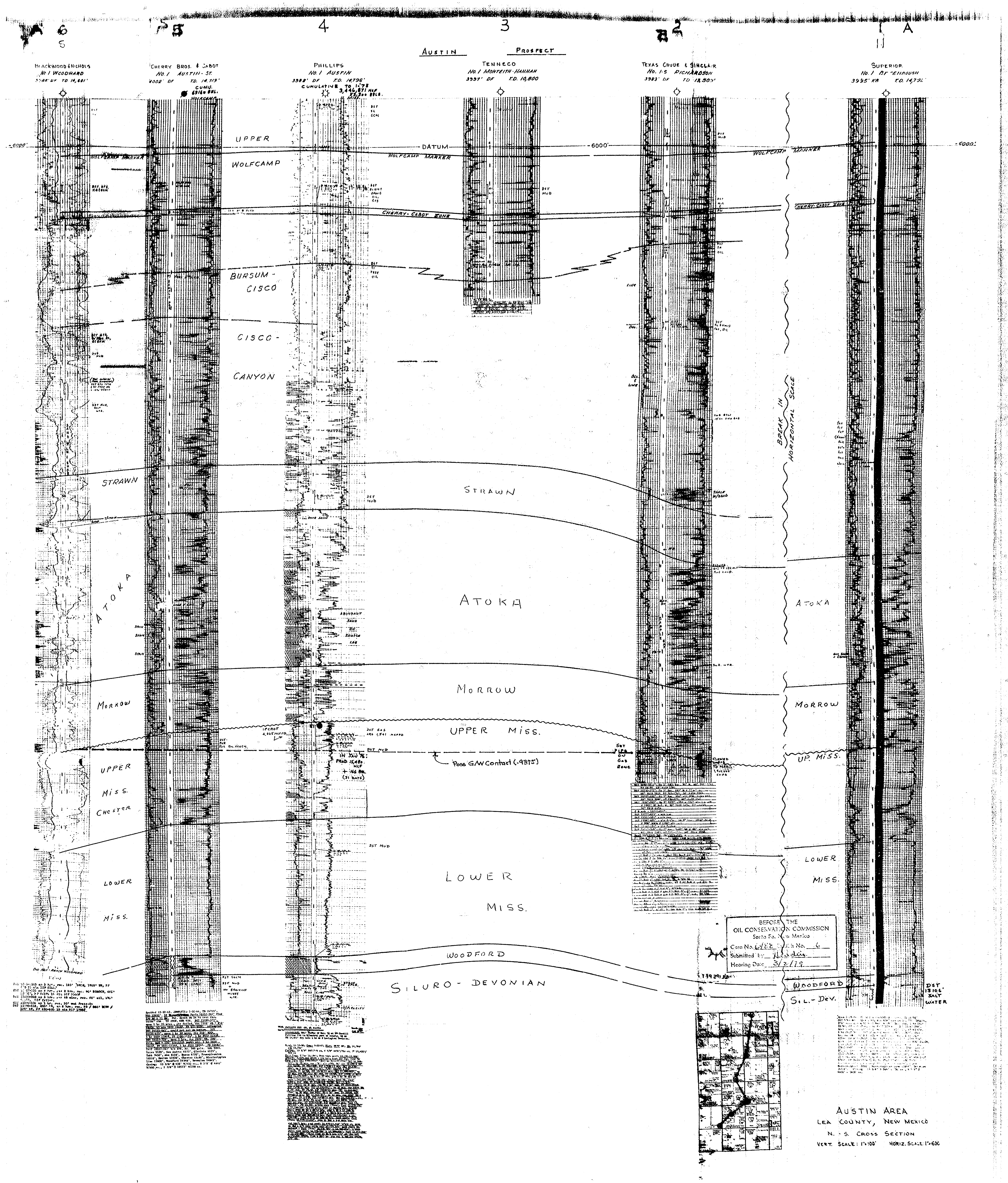
#6488

47

307-308-309-310-311-312-315-316-318-319-321

1-28-88 -322-323-324-325-326

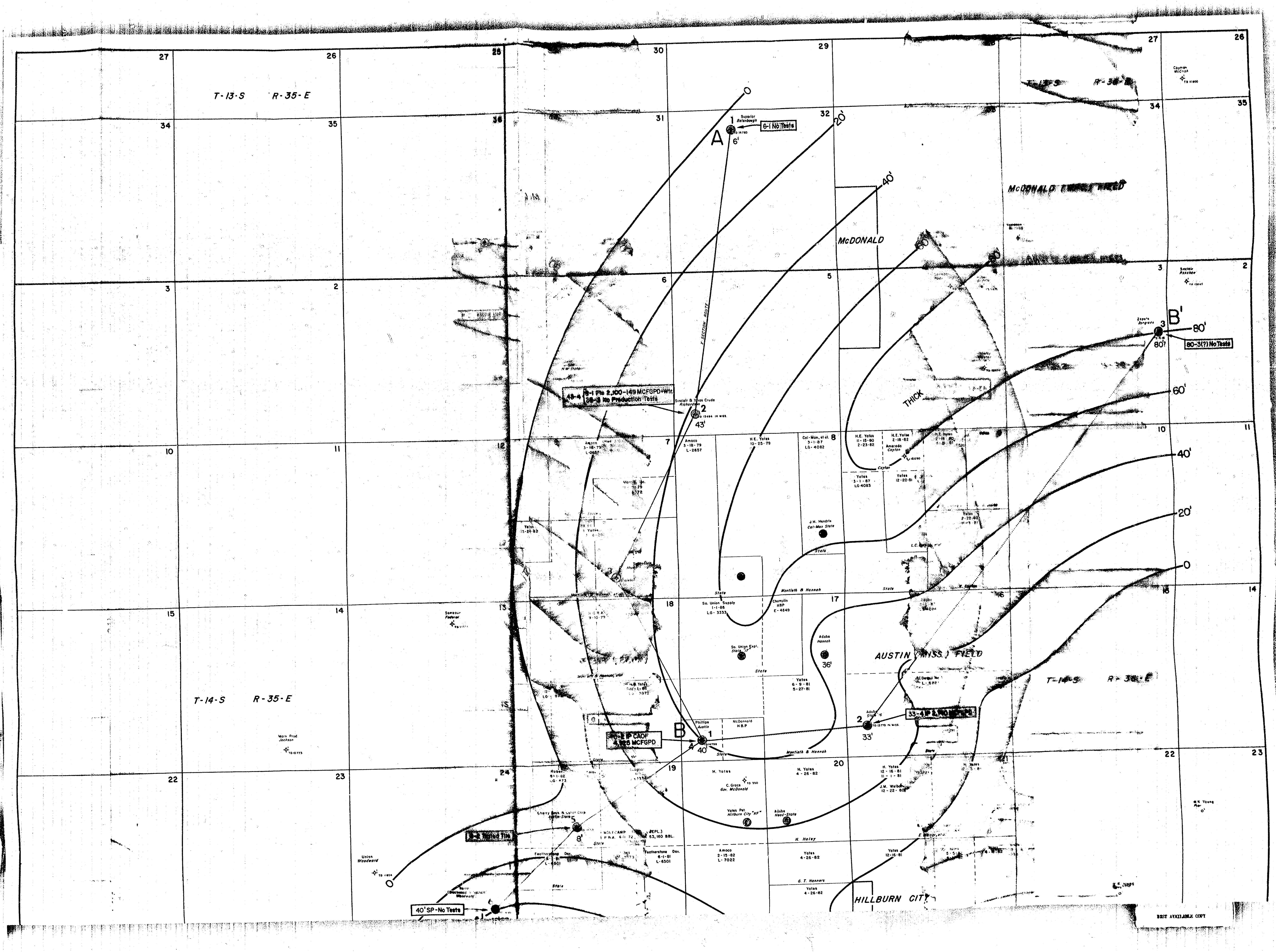
L. Blea



6
5
5
4
3
2
1
A
11
AUSTIN PROSPECT
BLACKWOOD & NICHOLS
No 1 WOODWARD
T.D. 14,601'
CHERRY BROS. & CABOT
No. 1 AUSTIN - ST.
4002' DF T.D. 14,719'
CUMU. 69160 BBL. WOLFCAMP
PHILLIPS
No. 1 AUSTIN
3982' DF T.D. 14,796'
CUMULATIVE TO 1-78
3,446,871 MCF
53,300 BBLS.
U. MISS.
TENNECO
No. 1 MONTEITH - HANNAN
3997' DF T.D. 10,800
TEXAS CRUDE & SINCLAIR
No. 1-5 RICHARDSON
3983' DF T.D. 13,909'
SUPERIOR
No. 1
3995' KB T.D. 14,792'
-6000'
DATUM
UPPER
WOLFCAMP
WOLFCAMP MARKER
CHERRY - CABOT ZONE
BURSUM - CISCO
CISCO - CANYON
BREAK IN HORIZONTAL SCALE
STRAWN
ATOKA
MORROW
UPPER MISS.
UP. MISS.
Poss G/W Contact (-9372)
CHESTER
LOWER MISS.
WOODFORD
SILURO - DEVONIAN
SIL. - DEV.
DST 13106' SALT WATER

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 6
Submitted by Hendrix
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO
N. - S. CROSS SECTION
VERT. SCALE: 1"=100' HORIZ. SCALE: 1"=600


T-13-S R-35-E
T-14-S R-35-E
A
B
B'
6-1 No Tests
Superior Belenbough
6'
Sinclair & Texas Crude Richardson
43'
6-1 Pts 2,100-149 MCFGPD+Wtr.
X SECTION ROUTE
McDONALD
McDONALD FIELD
THICK
0
20'
40'
60'
80'
80-3(?) No Tests
80'
AUSTIN (MISS.) FIELD
Phillips Austin
40'
IP CAOF
MCFGPD
Adobe State "16"
33'
Adobe Hannah
36'
So. Union Supply 1-1-86 LG-3333
So. Union Expl. State "17"
Champlin HBP E-4849
Montieth & Hannah
State
Amoco 3-18-79 L-2657
H.E. Yates 10-25-79
Cal-Mon, et al. 3-1-87 LG-4082
H.E. Yates 11-15-80 2-23-82
H.E. Yates 2-18-82
Amerada Cayton
Yates 3-1-87 LG-4083
Yates 12-20-81
J.M. Hendrix Cal-Mon State
Yates 6-9-81 5-27-81
McDonnold HBP
H. Yates
C. Grace Gov. McDonald
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
Yates Pet. Hillburn City "KF"
Adobe Head-State
H. Haley
Amoco 2-15-82 L-7022
Featherstone Dev. 6-1-81 L-6301
Yates 4-26-82
G.T. Hanners
Yates 12-16-81
HILLBURN CITY
WOLFCAMP (DEPL.) P&A 6-11-72 53,160 BBL.
8'
40' SP-No Tests
Union Woodward
Seymour Federal
Cayman McCrish
Sinclair Renshaw
Zapata Jorgiade
27
26
25
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Water Damaged Documents

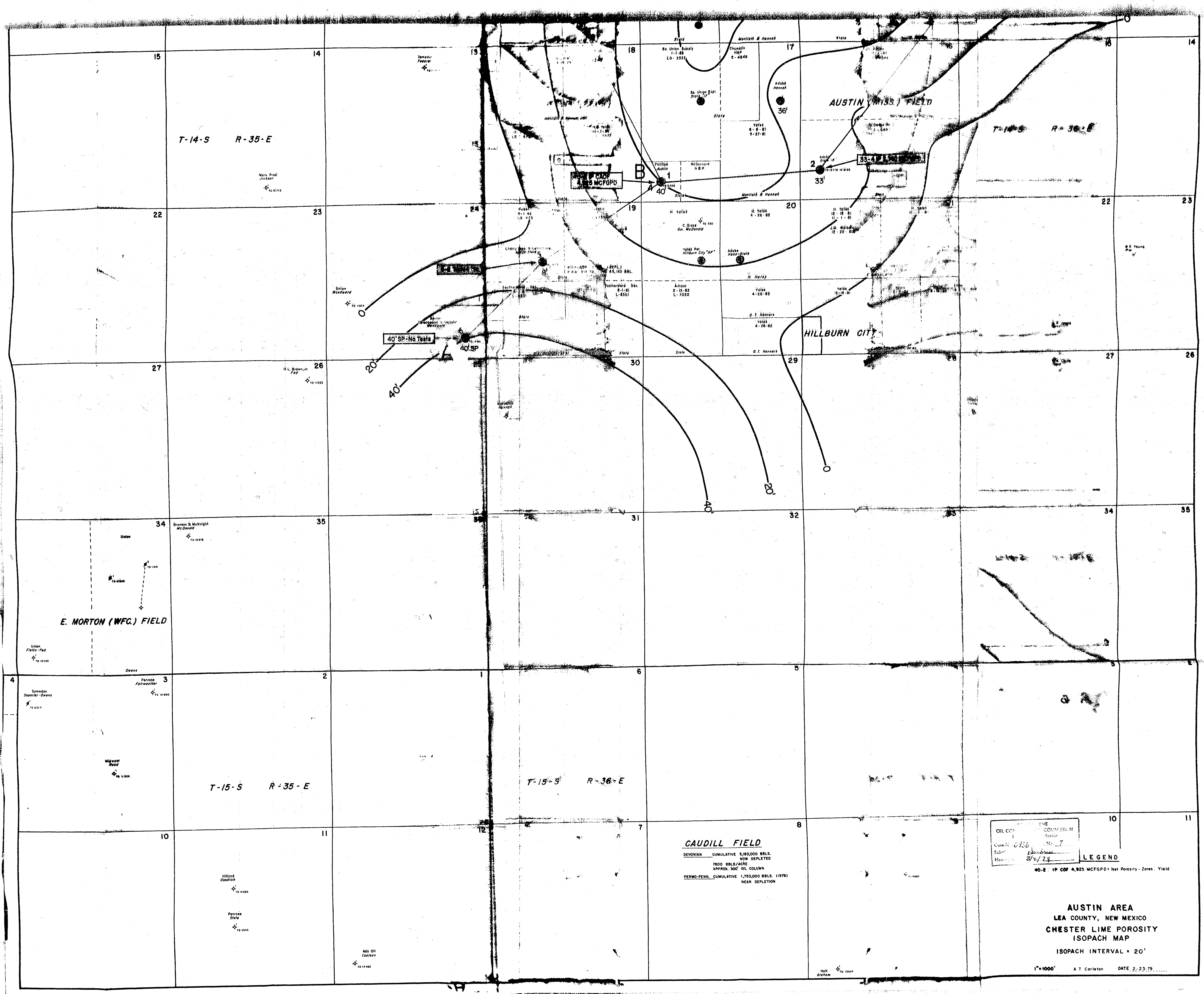
#6488

47

307-308-309-310-311-312-315-316-318-319-321

1-28-88 -322-323-324-325-326-327

L. Blea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T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
40-2 IP CAOF 4,925 MCFGPD
33-4
40' SP - No Tests
40' SP
B
0
20'
40'
36'
33'
40
CAUDILL FIELD
DEVONIAN CUMULATIVE 5,180,000 BBLS. NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN
PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976) NEAR DEPLETION

THE
OIL CON COMMISSION
Mexico
Case No. 6138 No. 7
Submitted by Henderson
Hearing Date 3/2/79

LEGEND

40-2 : IP COF 4,925 MCFGPD = Net Porosity - Zones : Yield

AUSTIN AREA
LEA COUNTY, NEW MEXICO
CHESTER LIME POROSITY ISOPACH MAP
ISOPACH INTERVAL = 20'

1" = 1000' A T Carleton DATE 2-23-79

Water Damaged Documents
#6488
47
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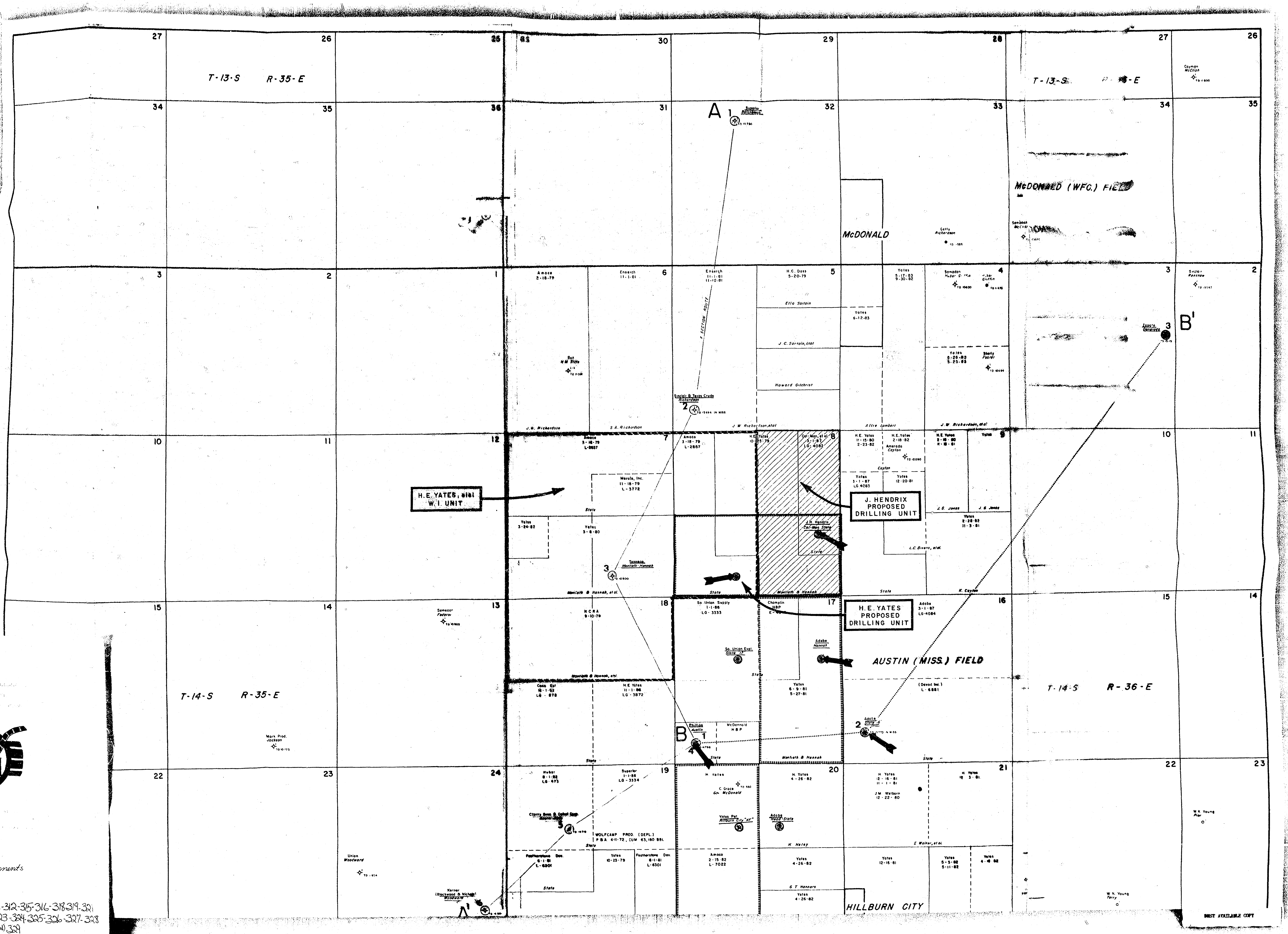
1-28-88 -322-323-324-325-326-327-328
L. Blea


T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
H.E. YATES, etal W.I. UNIT
J. HENDRIX PROPOSED DRILLING UNIT
H.E. YATES PROPOSED DRILLING UNIT
A
A'
B
B'
X SECTION ROUTE
Sinclair & Texas Crude Richardson
Tenneco Montieth-Hannah
Phillips Austin
Adobe State 16
Adobe Hannah
So. Union Expl. State 17
J.H. Hendrix Cal-Mon State
C Grace Gov. McDonald
Yates Pet Hillburn City "KF"
Adobe Head-State
WOLFCAMP PROD. (DEPL.) P&A 4-11-72, CUM 63,160 BBL
Montieth & Hannah
J.W. Richardson
S.A. Richardson
J W Richardson, etal
Ella Sartain
J.C. Sartain, etal
Howard Gilchrist
Allie Lambert
L.C. Bivens, etal
H. Haley
G T Manners
E Walker, et al
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Water Damaged Documents

#6488

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307-308-309-310-311-312-315-316-318-319-321
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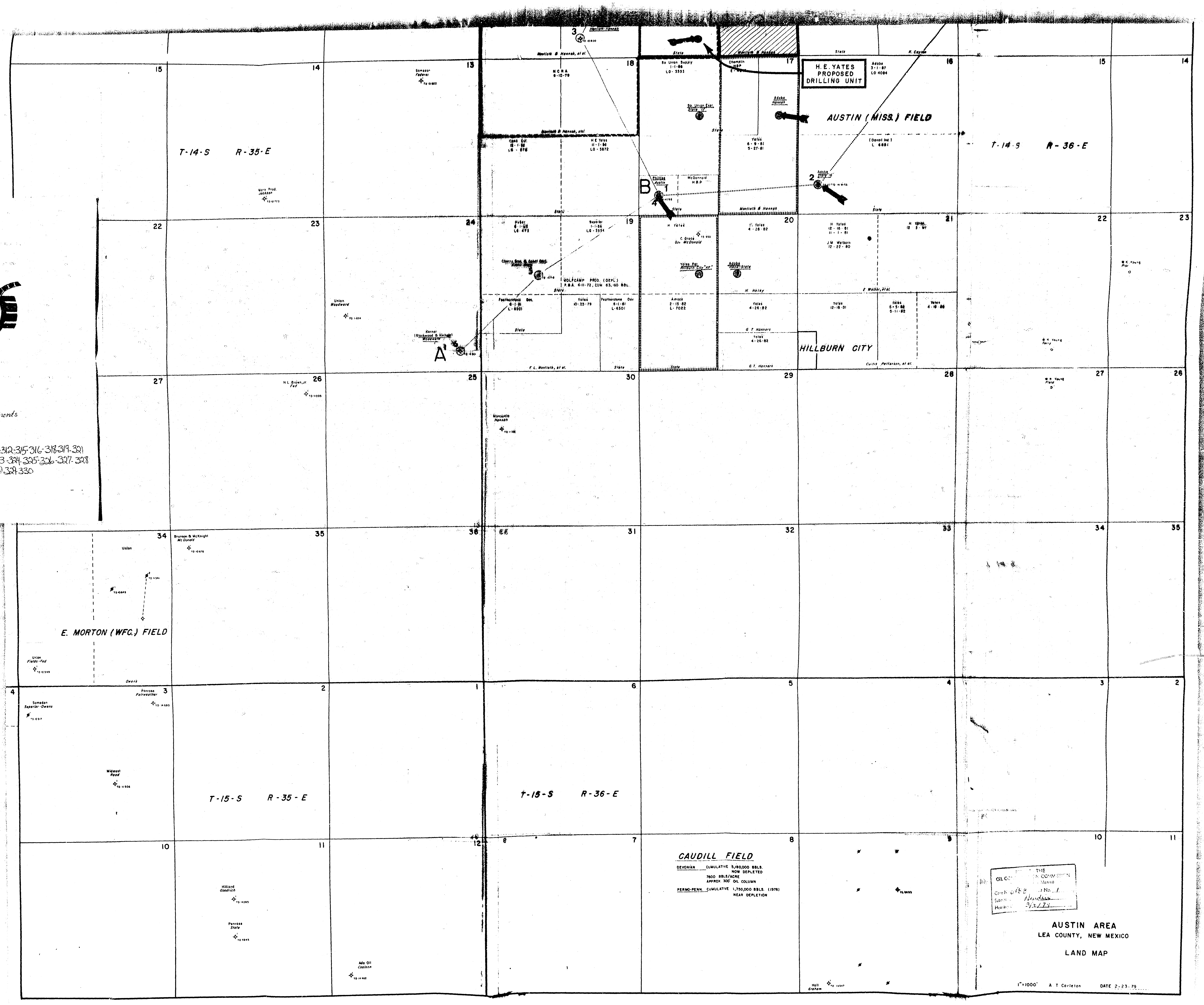
L. Blea (continued) 329-330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T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
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H. E. YATES PROPOSED DRILLING UNIT
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
WOLFCAMP PROD. (DEPL.) P.&A. 4-11-72, CUM. 63,160 BBL.
A
B
1
2
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4
5
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Monteith-Hannah
Monteith & Hannah, et al.
State
Monteith & Hannah
K. Cayton
So. Union Supply 1-1-86 LO-3333
Champlin HBP
Adobe 3-1-87 LO-4084
NCRA 9-10-79
So. Union Expl. State "17"
Adobe Hannah
Yates 6-9-81 5-27-81
(Devoil Inc.) L 6881
H E Yates 11-1-83 LO-5872
Phillips Austin
McDonnold HBP
Adobe State "16"
H Yates
H. Yates 4-26-82
H Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
C Grace Gov. McDonald
Yates Pet. Hillburn City "KF"
Adobe Head-State
H. Haley
E Walker, et al.
Amoco 2-15-82 L-7022
Yates 4-26-82
Yates 12-16-81
G. T. Hanners
Featherstone Dev.
Yates 10-25-79
Featherstone Dev 5-1-81 L-6501
F. L. Monteith, et al.
Curtis Patterson, et al.
Superior 1-1-66 LG-3554
Union Woodward
H. L. Brown, Jr. Fed
Union
Brunson & McKnight McDonald
Union Fields-Fed
Owens
Penrose Fairweather
Sampson Superior-Owens
Midwest Reed
Hilliard Goodrich
Penrose State
Ada Oil Coolson
Holt Graham
W. K. Young

CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

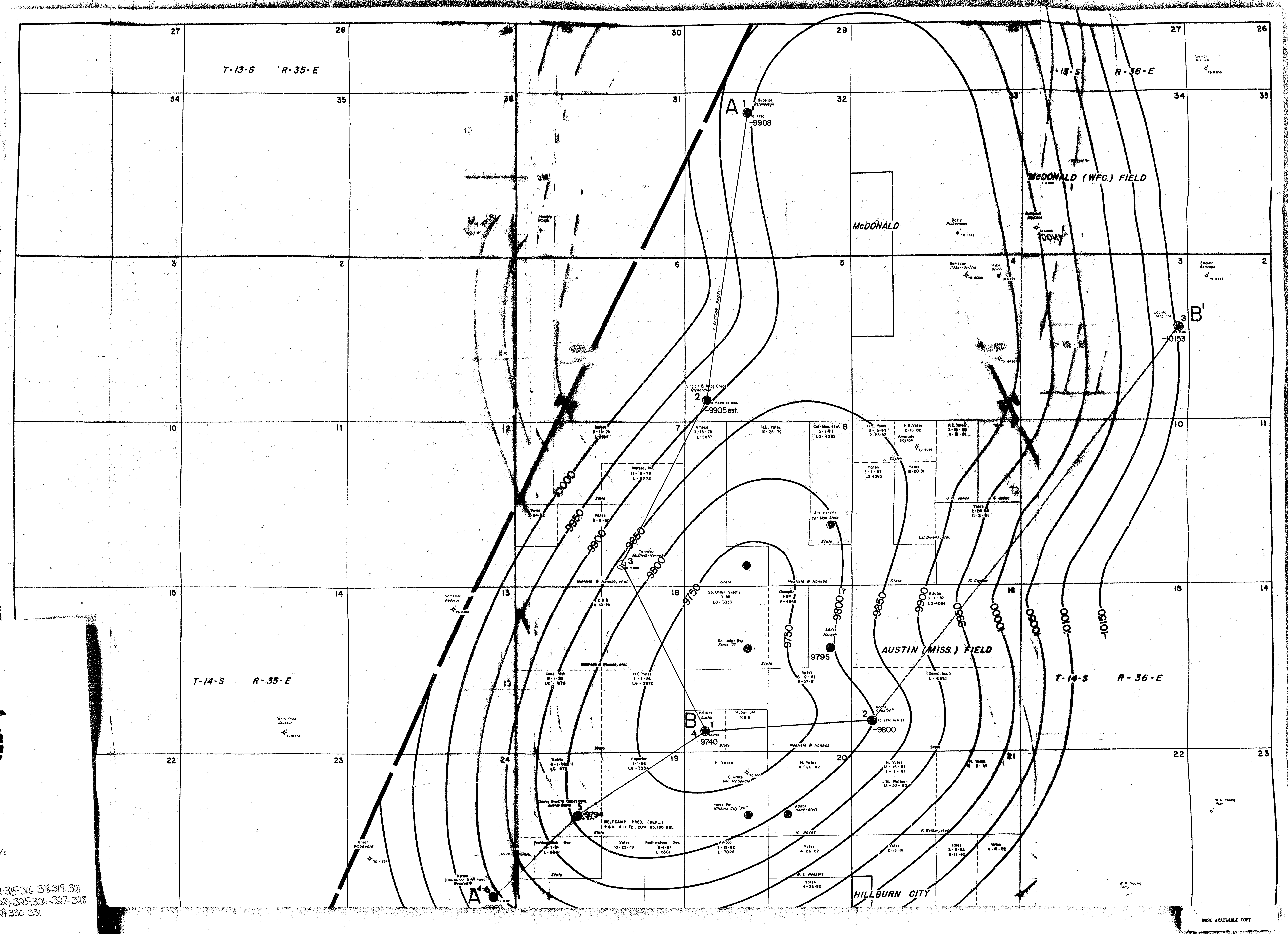
PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1978)
NEAR DEPLETION

THE
OIL CO N COMMISSION
Mexico
Case No. 6488 No. 1
Submitted [illegible]
Hearing 3/3/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO

LAND MAP

1" = 1000' A T Carleton DATE 2-23-79


T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
A
A'
B
B'
-9908
-9905 est.
-9740
-9800
-9795
-9794
-10153
9750
9800
9850
9900
9950
10000
10050
10100
10150
WOLFCAMP PROD. (DEPL.)
P.B.A. 4-11-72, CUM. 63,160 BBL.
Superior
1-1-86
LG-3334
H. Yates
C. Grace
Gov. McDonald
Yates Pet.
Hillburn City "KF"
Yates
10-25-79
Featherstone Dev.
8-1-81
L-6301
Amoco
2-15-82
L-7022
State
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Water Damaged Documents

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Water Damaged Documents

#6488

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307-308-309-310-311-312-315-316-318-319-321

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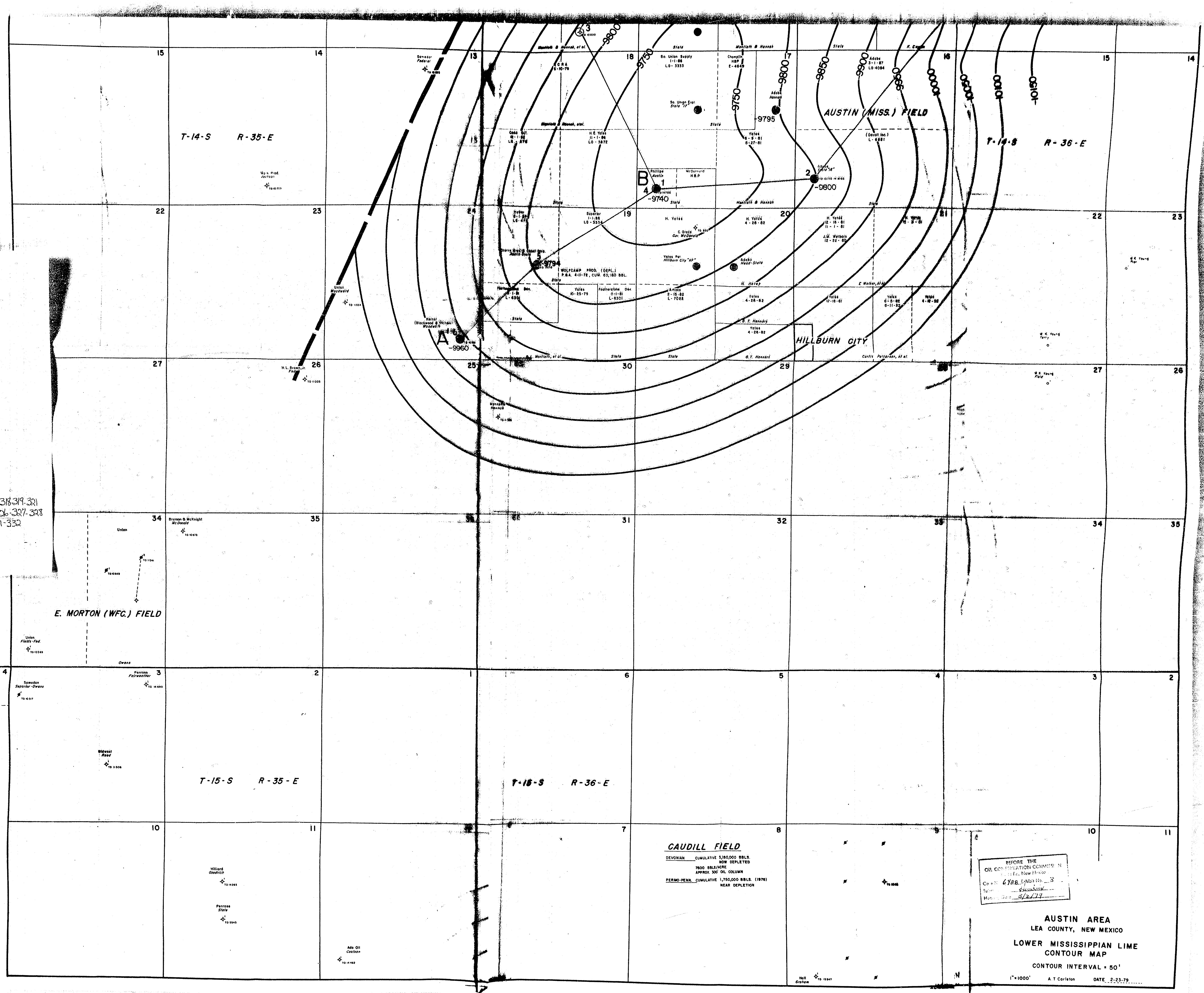
L. Blea (Continued) 329-330-331-332


T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
A
-9960
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-9740
-9800
-9795
-9794
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9800
9850
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9950
10000
10050
10100
10150
WOLFCAMP PROD. (DEPL.)
P.&A. 4-11-72, CUM. 63,160 BBL.
Samedan Federal
Monteith & Hannah, et al.
So. Union Supply 1-1-86 LO-3333
Champlin HBP E-4649
Adobe 3-1-87 LO-4084
So. Union Expl State "17"
Adobe Hannah
N.E. Yates 11-1-86 LO-3672
Yates 6-9-81 6-27-81
(Davoil Inc.) L-6881
Phillips Austin
McDonnald H.B.P.
Adobe State "18"
Superior 1-1-86 LO-3334
H. Yates
C. Grace Gov. McDonald
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
Yates Pet. Hillburn City "KF"
Adobe Head State
Kerner (Blackwood & Nichols) Woodward
Yates 10-25-79
Featherstone Dev. 6-1-81 L-6301
Amoco 2-16-82 L-7022
Yates 4-26-82
Yates 12-16-81
Yates 6-8-82 6-11-82
G.T. Hanners
E. Walker, et al.
Curtis Patterson, et al.
State
Union Woodward
M.L. Brownlee Federal
Union
Brunson & McKnight McDonald
Union Fields-Fed.
Owens
Samedon Superior-Owens
Penrose Fairweather
Blocker Reed
Hilliard Goodrich
Penrose State
Ada Oil Carlson
Hall Graham
Monteith Hannah
H.K. Young
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CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976)
NEAR DEPLETION

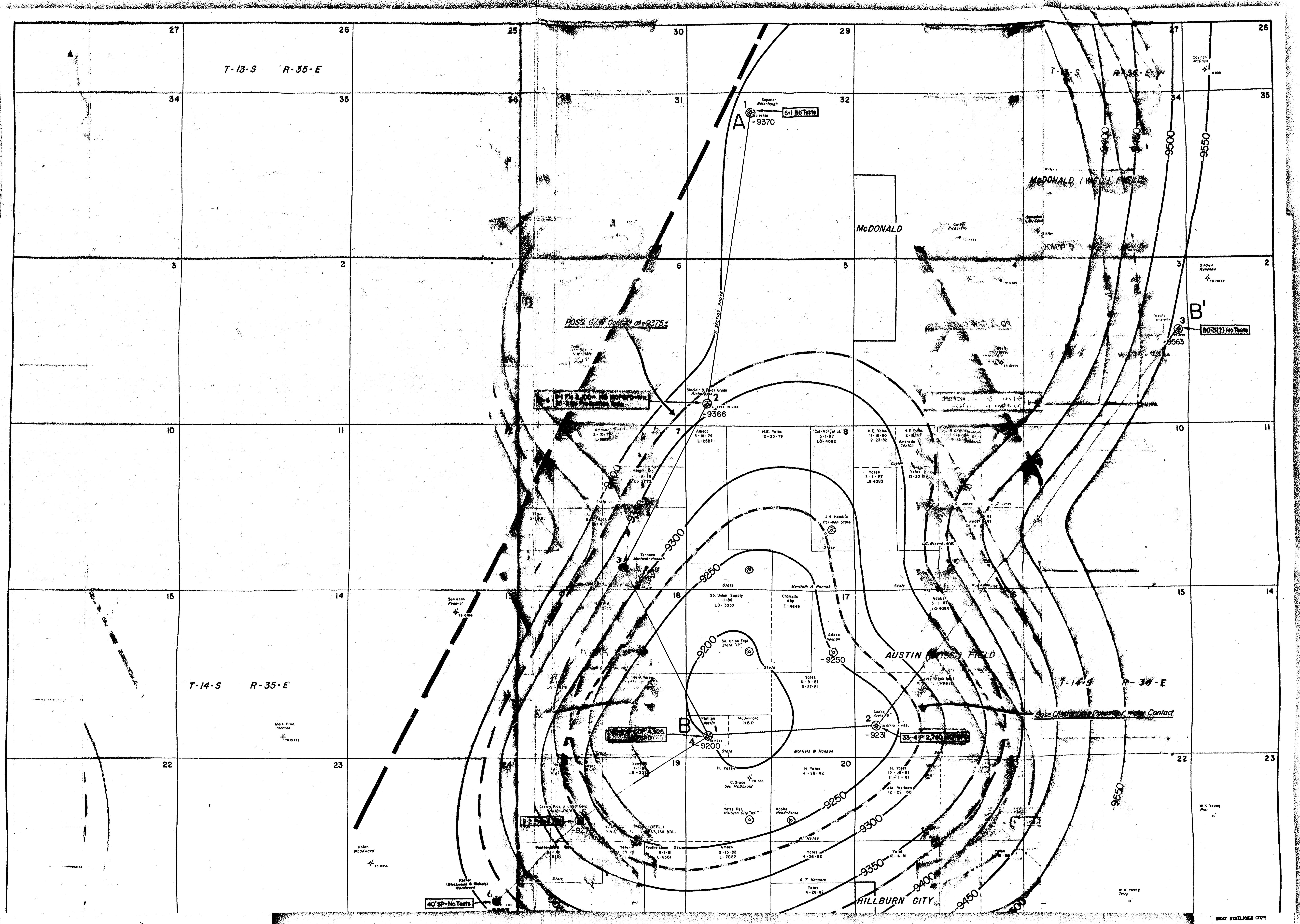
BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 3
Submitted by Hunting
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO

LOWER MISSISSIPPIAN LIME CONTOUR MAP

CONTOUR INTERVAL = 50'

1" = 1000' A.T Carleton DATE 2-23-79


T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
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McDONALD
McDONALD (WFC) FIELD
AUSTIN (MISS.) FIELD
HILLBURN CITY
POSS. G/W Contact at -9375±
Base Chester Porosity / Water Contact
X SECTION ROUTE
A
Superior Bolenbough
1
-9370
6-1 No Tests
B
Phillips Austin
1
4
-9200
Sinclair & Texas Crude Richardson
2
-9366
Adobe State "6"
2
-9231
33-4 IP 2,760
B'
3
-9563
80-3(?) No Tests
40' SP-No Tests
Tenneco Montieth-Hannah
3
Cherry Bros. & Cabot Corp. Austin State
5
-927
(DEPL.)
63,160 BBL.
Adobe Hannah
-9250
-9200
-9250
-9300
-9350
-9400
-9450
-9500
-9550
Amoco 3-18-79 L-2657
H.E. Yates 10-25-79
Col-Mon, et al. 3-1-87 LG-4082
H.E. Yates 11-15-80 2-23-82
Amerada Caylon
Yates 3-1-87 LG-4083
Yates 12-20-81
J.H. Hendrix Col-Mon State
State
Montieth & Hannah
So. Union Supply 1-1-86 LG-3333
Champlin HBP E-4649
Adobe 3-1-87 LG-4084
So. Union Expl. State "17"
Yates 6-9-81 5-27-81
McDonnold H.B.P.
H. Yates
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H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
Yates Pet. Hillburn City "KF"
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H. Haley
Featherstone Dev. 6-1-81 L-6301
Amoco 2-15-82 L-7022
Yates 4-26-82
Yates 12-16-81
G.T. Hanners
Yates 4-26-82
Union Woodward
Mark Prod. Jackson
Samedan Federal
Cayman McClish
Sinclair Renshaw
W.K. Young Prior
W.K. Young Terry

✓ Water Damaged Documents

#6488

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Water Damaged Documents

#6488

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1-28-88 -322-323-324-325-326-327-328

L. Blea (continued) 329-330-331-332-333

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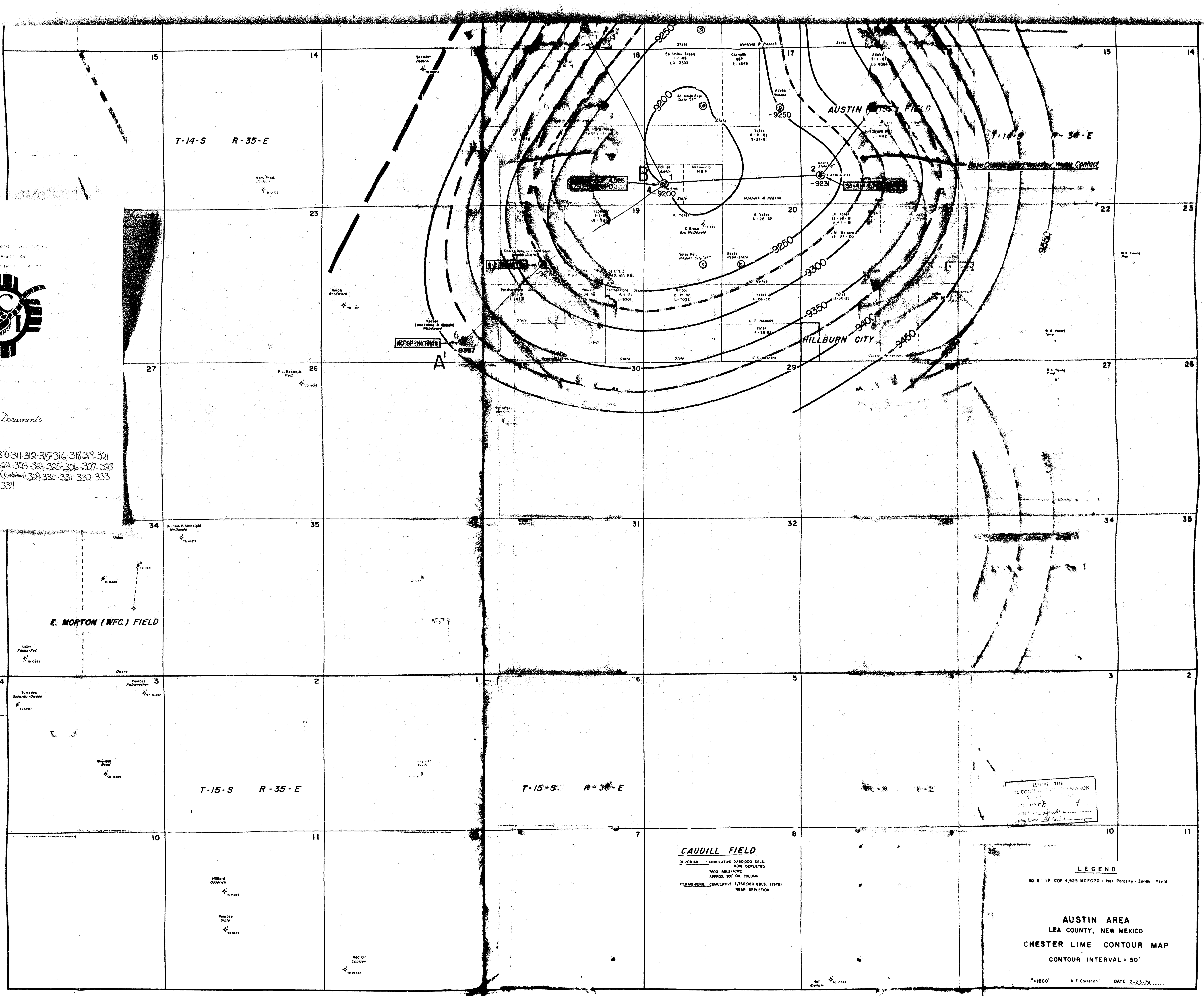

T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
Base Chester Porosity / Water Contact
B
A'
-9200
-9231
-9250
-9300
-9350
-9400
-9450
-9500
-9550
-9367
15
14
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So. Union Supply
Phillips Austin
McDonald HBP
Adobe Yates State
Yates
Amoco
Featherstone
Union Woodward
H.L. Brown, Jr. Fed.
Bruneau & McKnight McDonald
Union Fields-Fed.
Samedan Superior-Owens
Penrose Fairweather
Hilliard Goodrich
Penrose State
Ada Oil Coulson
Hall Graham
State

CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS. NOW DEPLETED

7600 BBLS/ACRE

APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976) NEAR DEPLETION

LEGEND

40-2 IP COF 4,925 MCFGPD = Net Porosity - Zones Yield

AUSTIN AREA
LEA COUNTY, NEW MEXICO
CHESTER LIME CONTOUR MAP
CONTOUR INTERVAL = 50'

1" = 1000' A T Carleton DATE 2-23-79

Water Damaged Documents

#6488

47

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1-28-88 - 322-323-324-325-326-327-328

L. Blea (Continued) 329-330-331-332-333

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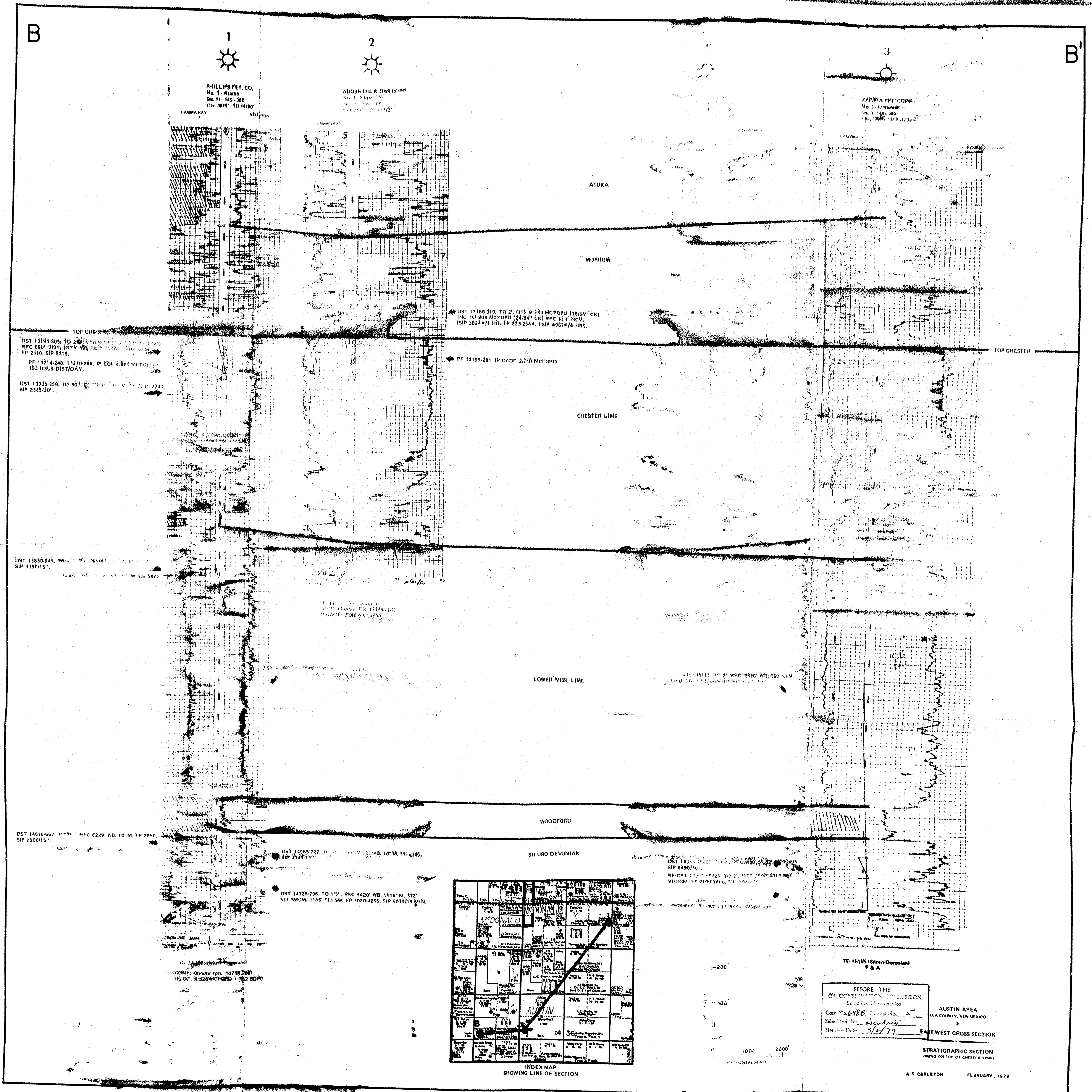

B
B'
1
PHILLIPS PET. CO.
No. 1 - Austin
Sec. 17 - 14S - 36E
Elev. 3979' TD 14700'
GAMMA RAY
NEUTRON
2
ADOBE OIL & GAS CORP
3
ZAPATA PET. CORP.
No. 1 - Dandatin
ATOKA
MORROW
TOP CHESTER
CHESTER LIME
LOWER MISS. LIME
WOODFORD
SILURO DEVONIAN
DST 13186-310, TO 2', GTS @ 103 McFGPD (18/64" CK) INC TO 206 McFGPD (24/64" CK) REC 613' GCM, ISIP 3024#/1 HR, FP 233-254#, FSIP 4967#/4 HRS.
DST 13195-305, TO 2
REC 880' DIST,
FP 2310, SIP 5315.
PF 13214-248, 13270-285, IP COF 4,925 McFGPD
152 BBLS DIST/DAY.
DST 13305-356, TO 30",
SIP 2325/30".
PF 13199-281, IP CAOF 2,740 McFGPD
DST 13830-941,
SIP 3350/15".
DST 14616-667, TO
REC 6229' WB, 10' M, FP 2850,
SIP 2900/15".
DST 14665-727,
WB, 10' M, FR 2795,
DST 14725-796, TO 1'5", REC 6420' WB, 1116' M, 372' SLI SWCM, 1116' SLI SW, FP 3030-4285, SIP 6030/15 MIN.
SIP 5490/30
COMP.
TD 15115 (Siluro Devonian)
P & A
INDEX MAP
SHOWING LINE OF SECTION
MCDONALD
AUSTIN
14
36
B
100'
200'
0
1000'
2000'
HORIZONTAL SCALE

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 5
Submitted by Hendrix
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO
*
EAST-WEST CROSS SECTION

STRATIGRAPHIC SECTION
(HUNG ON TOP OF CHESTER LIME)

A T CARLETON
FEBRUARY, 1979

N.M.R.C.F. MICROGRAPHICS

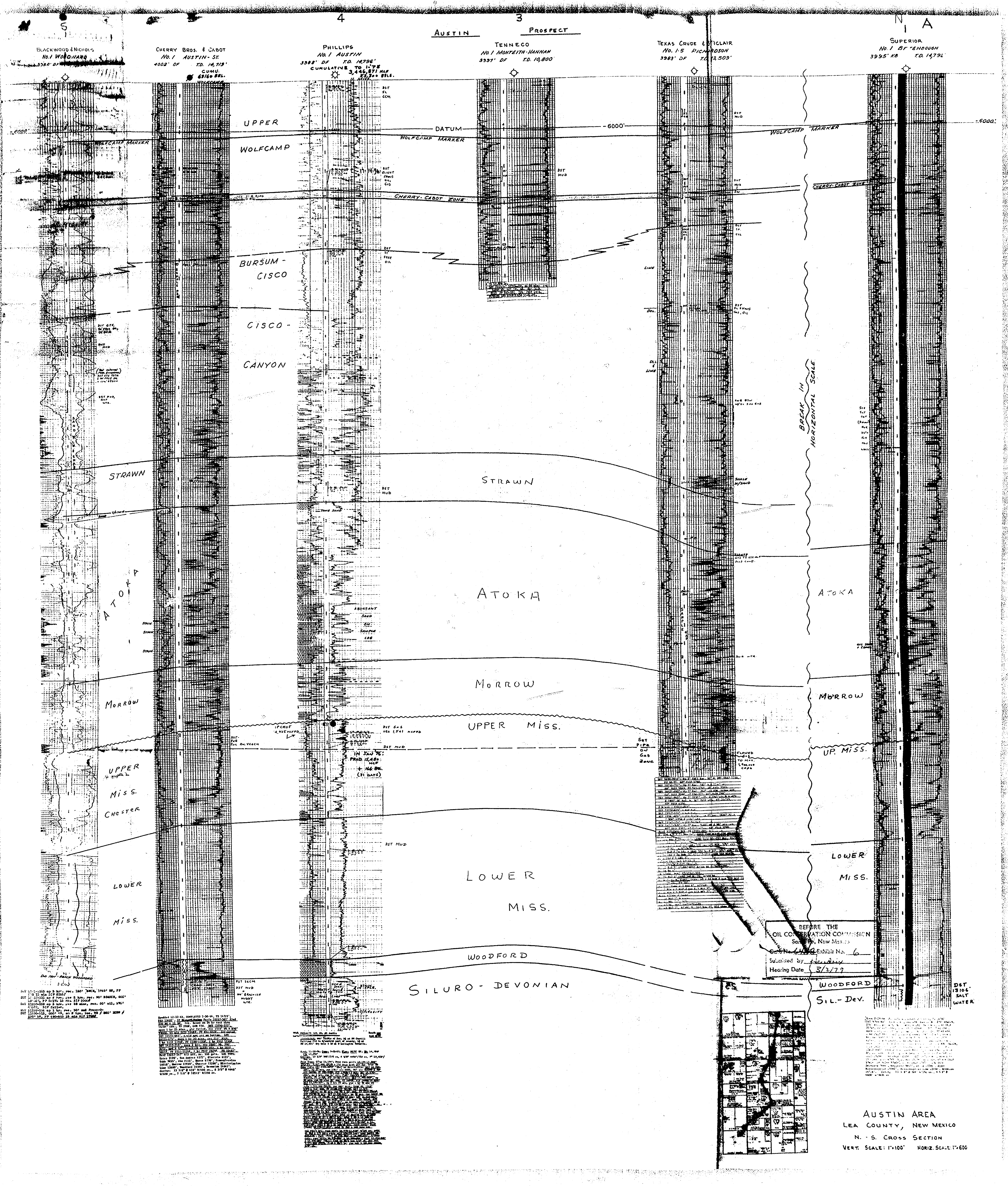
BEST AVAILABLE COPY

C.I. MICROGRAPHICS [illegible]
P.O. DRAWER [illegible]
[illegible], NEW MEXICO [illegible]

[illegible]

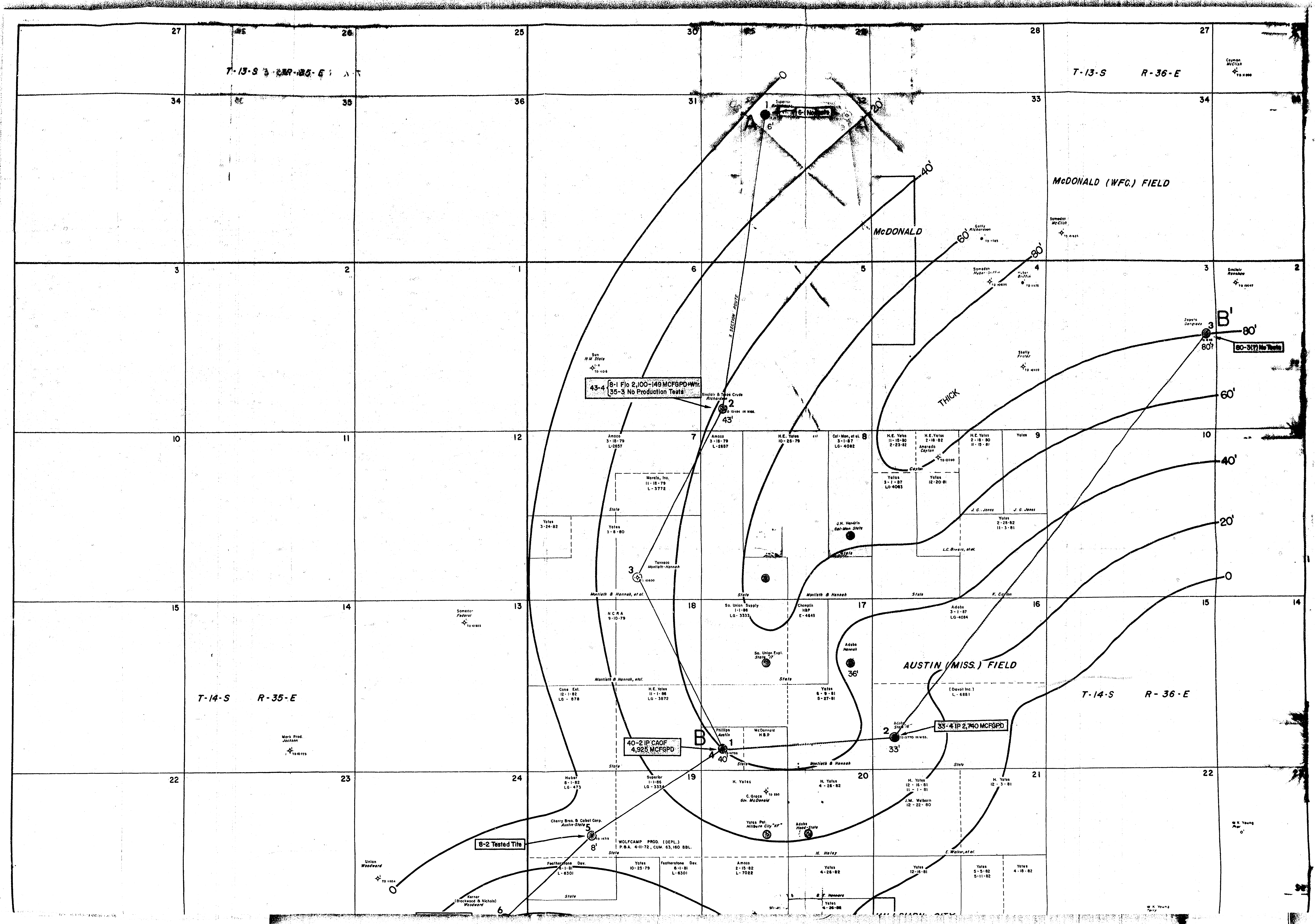
Water Damaged Documents

DOCUMENT NUMBER #6488
REEL NUMBER 47
FRAME NUMBER 307-308-309-310-311-312-315-316-318-319-321
DATE 1-28-88 - 322-323-324-325-326-327-328
SIGNED OUT BY L. Blea (Continued) 329-330-331-332-333
334-335-336


S
4
3
AUSTIN PROSPECT
N
A
BLACKWOOD & NICHOLS
No. 1 WOODWARD
3986' DF
CHERRY BROS. & CABOT
No. 1 AUSTIN - ST.
4002' DF T.D. 14,719'
CUMU. 63160 BBL. WOLFCAMP
PHILLIPS
No. 1 AUSTIN
3982' DF T.D. 14,796'
CUMULATIVE TO 1-78
3,446,871 MCF
55,300 BBLS.
U. MISS.
TENNECO
No. 1 MONTEITH-HANNAH
3997' DF T.D. 10,800'
TEXAS CRUDE & SINCLAIR
No. 1-5 RICHARDSON
3983' DF T.D. 13,509'
SUPERIOR
No. 1 BETTENBOUGH
3995' KB T.D. 14,792'
-6000'
DATUM
UPPER WOLFCAMP
WOLFCAMP MARKER
CHERRY-CABOT ZONE
BURSUM - CISCO
CISCO - CANYON
BREAK IN HORIZONTAL SCALE
STRAWN
ATOKA
MORROW
UPPER MISS.
UP. MISS.
UPPER MISS. CHESTER
LOWER MISS.
WOODFORD
SILURO - DEVONIAN
SIL.-DEV.
DST 13106' SALT WATER

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 6
Submitted by Hendrix
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO
N. - S. CROSS SECTION
VERT. SCALE: 1"=100' HORIZ. SCALE: 1"=600


T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
THICK
X SECTION ROUTE
A
A'
B
B'
0
20'
40'
60'
80'
1 Superior 6'
6- No Tests
2 Sinclair & Texas Crude Richardson 43'
43-4 {8-1 Flo 2,100-149 MCFGPD+Wtr. 35-3 No Production Tests
3 Tenneco Montieth-Hannah
B 1 Phillips Austin 40'
40-2 IP CAOF 4,925 MCFGPD
2 Adobe State "16" 33'
33-4 IP 2,740 MCFGPD
3 Zapata Dengrado 80'?
80-3(?) No Tests
5 Cherry Bros. & Cabot Corp. Austin-State 8'
8-2 Tested Tite
Adobe Hannah 36'
WOLFCAMP PROD. (DEPL.) P.B.A. 4-11-72, CUM. 63,160 BBL.
6

✓ Water Damaged Documents
#6488
47
307-308-309-310-311-312-315-316-318-319-321
1-28-88 -322-323-324-325-326-327-328
L. Blea (continued) 329 330-331-332-333
334-335-336-337

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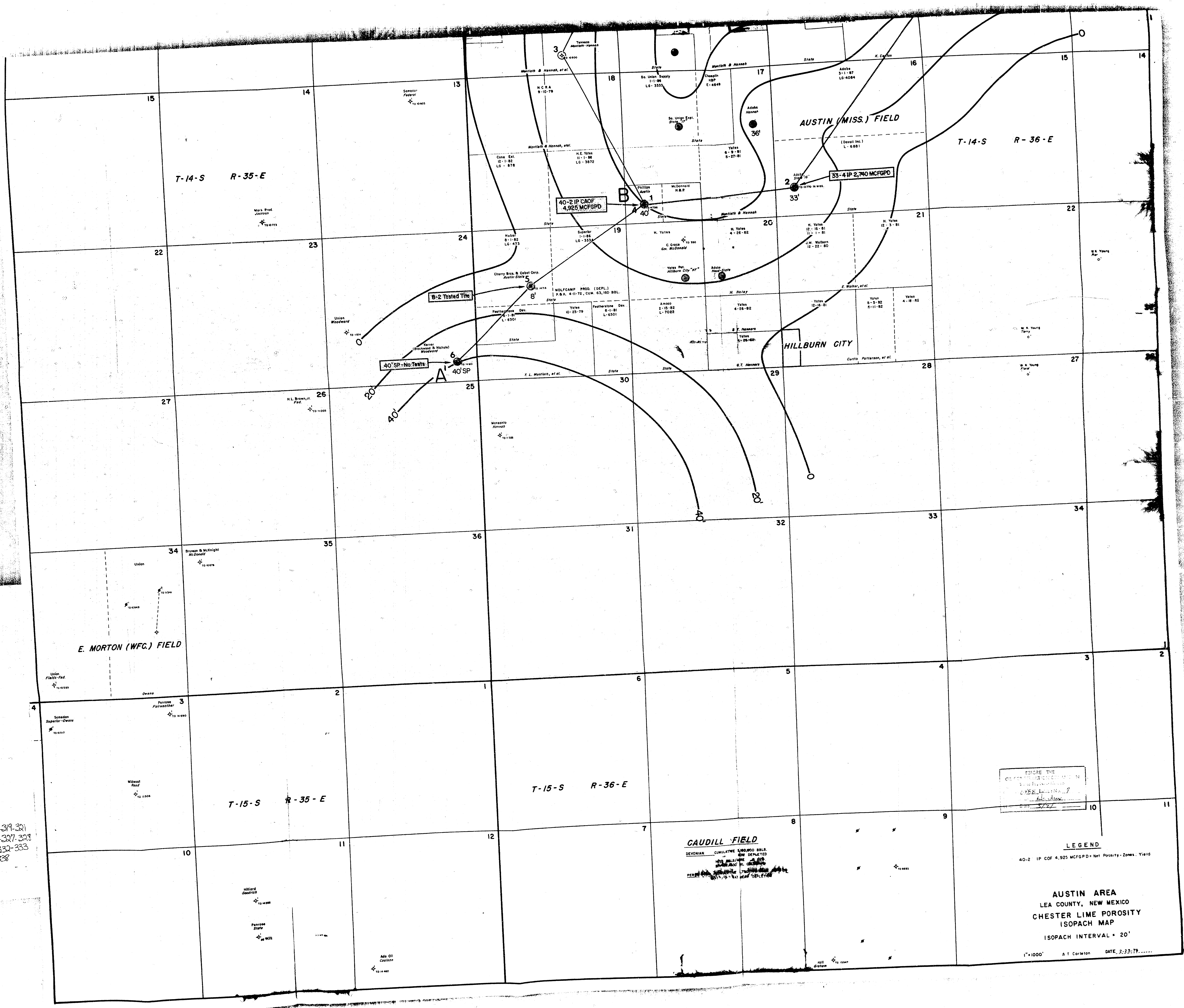

T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
40-2 IP CAOF 4,925 MCFGPD
33-4 IP 2,740 MCFGPD
8-2 Tested Tite
40' SP-No Tests
WOLFCAMP PROD. (DEPL.) P.B.A. 4-11-72, CUM. 63,160 BBL.
A
A'
B
40' SP
40'
33'
36'
8'
0
20'
40'
Phillips Austin
Cherry Bros. & Cabot Corp. Austin-State
Coltar (Blackwood & Nichols) Woodward
Union Woodward
Monsanto Hannah
Tenneco Monteith - Hannah
Adobe Hannah
Union Fields-Fed.
Someden Superior - Owens
Penrose Fairweather
Midwest Reed
Hilliard Goodrich
Penrose State
Ada Oil Coulson
Bryson & McKnight McDonald
H.L. Brown, Jr. Fed.
Mark Prod. Jackson
Samedan Federal
Holl Graham

CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS. NOW DEPLETED

7,[illegible] BBLS/ACRE [illegible]

[illegible] 8,800' [illegible]

PER[illegible] [illegible] [illegible] ,720,[illegible] [illegible] NEAR DEPLETION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
6488 EXHIBIT NO. 7
[illegible]
[illegible] 5/[illegible]

LEGEND

40-2 IP COF 4,925 MCFGPD = Net Porosity - Zones : Yield

AUSTIN AREA
LEA COUNTY, NEW MEXICO
CHESTER LIME POROSITY
ISOPACH MAP

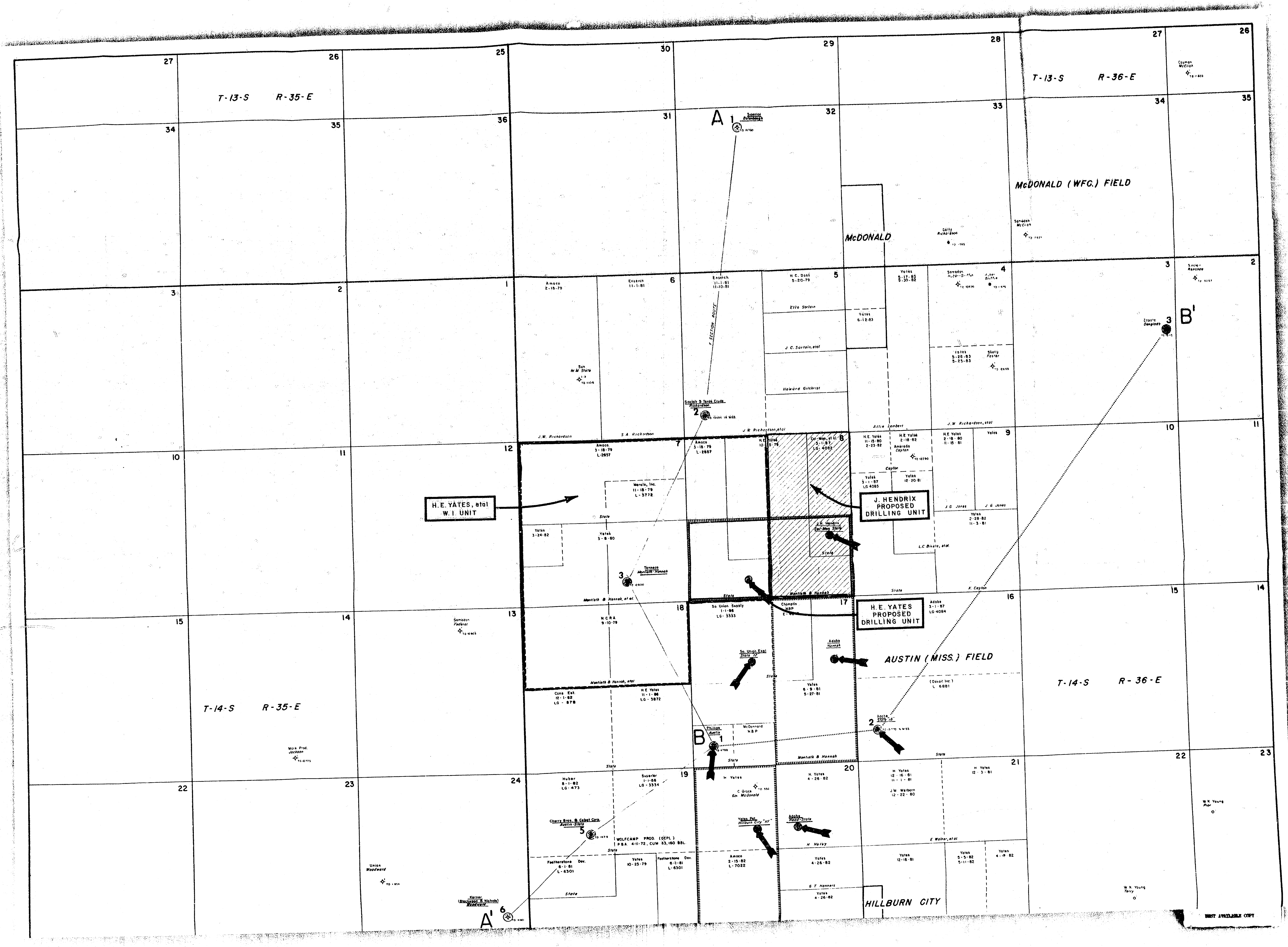
ISOPACH INTERVAL = 20'

1" = 1000' A T Carleton DATE 2-23-79

Water Damaged Documents

#6488

47
307-308-309-310-311-312-315-316-318-319-321
1-28-88 -322-323-324-325-326-327-328
L. Blea (continued) 329-330-331-332-333
334-335-336-337-338


T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
H.E. YATES, etal W.I. UNIT
J. HENDRIX PROPOSED DRILLING UNIT
H.E. YATES PROPOSED DRILLING UNIT
A
A'
B
B'
Sinclair & Texas Crude Richardson
Tenneco Montieth-Hannah
J.H. Hendrix Cal-Mon State
So. Union Expl State 17
Adobe Hannah
Phillips Austin
Cherry Bros. & Cabot Corp. Austin-State
WOLFCAMP PROD. (DEPL.)
Amoco 3-18-79 L-2657
Merala, Inc. 11-18-79 L-3772
Yates 3-24-82
Yates 3-8-80
NCRA 9-10-79
Montieth & Hannah, et al.
Cal-Mon, et al. 3-1-87 LG-4082
So. Union Supply 1-1-88 LG-3333
Champlin HBP
Adobe 3-1-87 LG-4084
(Davoil Inc.) L 6881
Yates 6-9-81
H.E. Yates 11-15-80 2-23-82
H.E. Yates 2-18-82
Amerada Cayton
Yates 3-1-87 LG 4083
Yates 12-20-81
J.W. Richardson
S.A. Richardson
J.W. Richardson, etal
Howard Gilchrist
Allie Lambert
L.C. Bivens, etal
State

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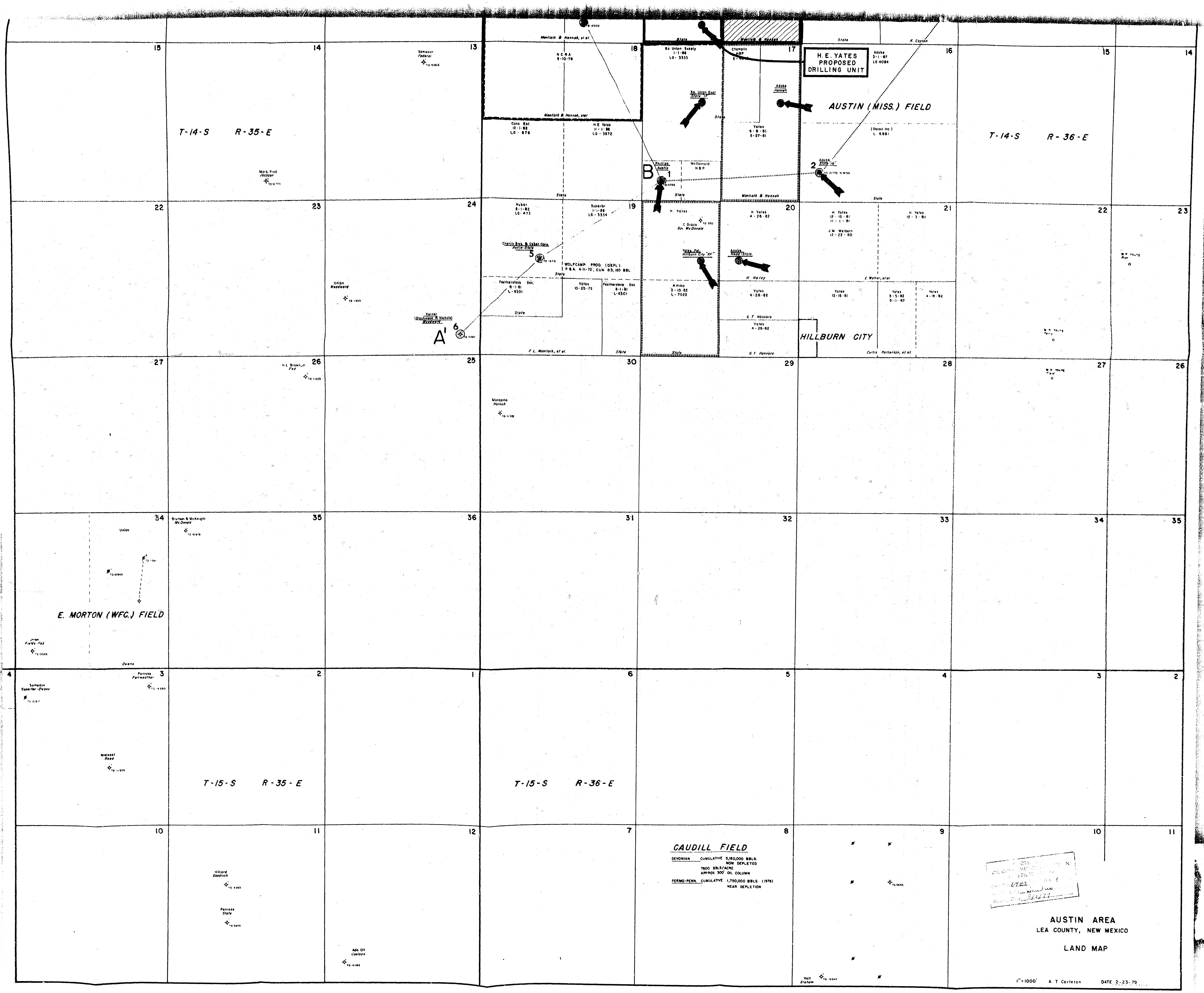
T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
H. E. YATES
PROPOSED
DRILLING UNIT
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
WOLFCAMP PROD. (DEPL.)
P&A 4-11-72, CUM 83,180 BBL.
B
1
2
5
6
A'
Montieth & Hannah, et al.
State
So. Union Supply 1-1-86 LG-3333
Champlin HBP
Montieth & Hannah
K. Cayton
Adobe 3-1-87 LG-4084
N C R A 9-10-79
So. Union Expl State "17"
Adobe Hannah
Yates 6-9-81 5-27-81
(Davoil Inc.) L 6681
Cons. Est. 12-1-82 LG-878
H E Yates 11-1-86 LG-3872
Phillips Austin
McDonnold HBP
Adobe State "16"
TD 13,770 IN MISS
Huber 8-1-82 LG-473
Superior 1-1-86 LG-3334
H. Yates
C Grace Gov. McDonald
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
H. Yates 12-3-81
Cherry Bros. & Cabot Corp. Austin State
Yates Pet. Hillburn City "KF"
Adobe Head-State
H. Haley
E. Walker, et al
Featherstone Dev. 6-1-81 L-6301
Yates 10-25-75
Featherstone Dev. 8-1-81 L-6301
Amoco 2-15-82 L-7022
Yates 4-26-82
Yates 12-15-81
Yates 5-5-82 5-21-82
Yates 4-16-82
G. T. Hanners
Kerner (Stockwood & Nichols) Woodward
F. L. Montieth, et al.
Curtis Patterson, et al.
Samedan Federal
Mark Prod. Jackson
Union Woodward
H.L. Brown, Jr. Fed
Monsanto Hannah
W.K. Young
Brunson & McKnight McDonald
Union
Union Fields-Fed
Owens
Samedan Superior-Owens
Penrose Fairweather
Midwest Reed
Hilliard Goodrich
Penrose State
Ada Oil Carlson
Hall Graham
TD 13547
CAUDILL FIELD
DEVONIAN CUMULATIVE 5,180,000 BBLS. NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN
PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976) NEAR DEPLETION
15
14
13
18
17
16
22
23
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30
29
28
34
35
36
31
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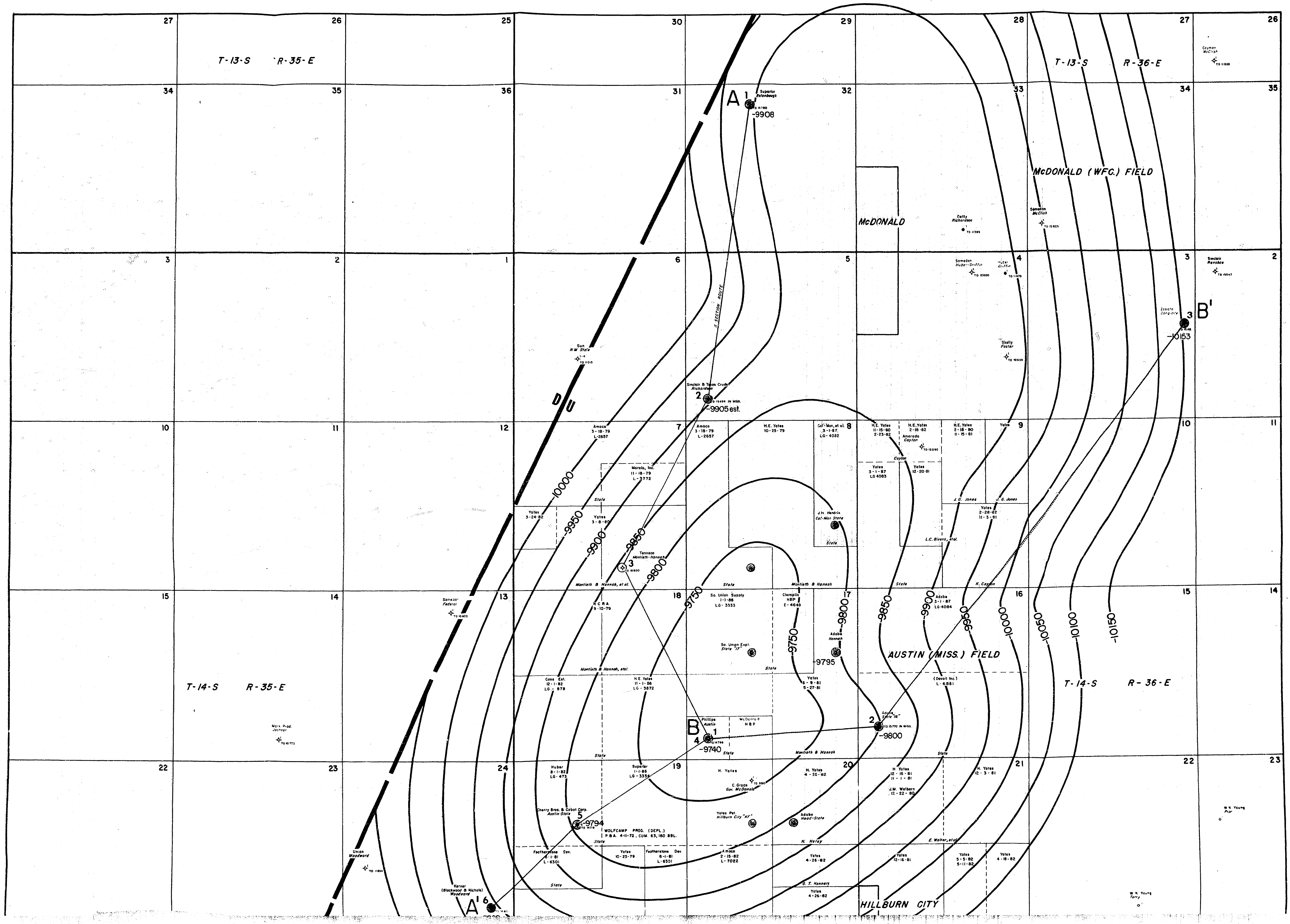
Case No. 6482
Hearing Date 3/

AUSTIN AREA
LEA COUNTY, NEW MEXICO

LAND MAP

1"=1000' A. T Carleton DATE 2-23-79



T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
D
U
A 1 Superior Rabenbaugh -9908
2 Sinclair & Texas Crude Richardson -9905 est.
3 Tenneco Monteith-Hannah
B 1 Phillips Austin 4 -9740
2 Adobe State "16" TD 13770 IN MISS. -9800
B' 3 Zoecon Carayon -10153
5 Cherry Bros. & Cabot Corp. Austin-State -9794
A' 6 Turner (Blackwood & Nichols) Woodward
-9795
X-SECTION ROUTE
WOLFCAMP PROD. (DEPL.) P.B.A. 4-11-72, CUM. 63,160 BBL.
10000
-9950
-9900
-9850
-9800
-9750
-10000
-10050
-10100
-10150
Monteith & Hannah
State
So. Union Supply 1-1-86 LG-3333
So. Union Expl. State "17"
Champlin HBP E-4649
Adobe Hannah
Yates 6-9-81 5-27-81
Phillips Austin
McDonald H B P
H. Yates
C. Grace Gov. McDonald
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
Yates Pet. Hillburn City "KF"
Adobe Head-State
H. Haley
E. Walker
Amoco 2-15-82 L-7022
Featherstone Dev. 6-1-81 L-6301
Yates 4-26-82
Yates 12-16-81
G. T. Hanners
(Devoil Inc.) L-6881
Amoco 3-18-79 L-2657
N.E. Yates 10-25-79
Monteith Inc. 11-18-79 L-3772
J.M. Hendrix Col-Mon State
Union Woodward
W.K. Young Pair
W.K. Young Terry
Sun N.M. State
Skelly Foster
Getty Richardson
Sinclair Renshaw

N.M.M.C.F. MICROGRAPHICS

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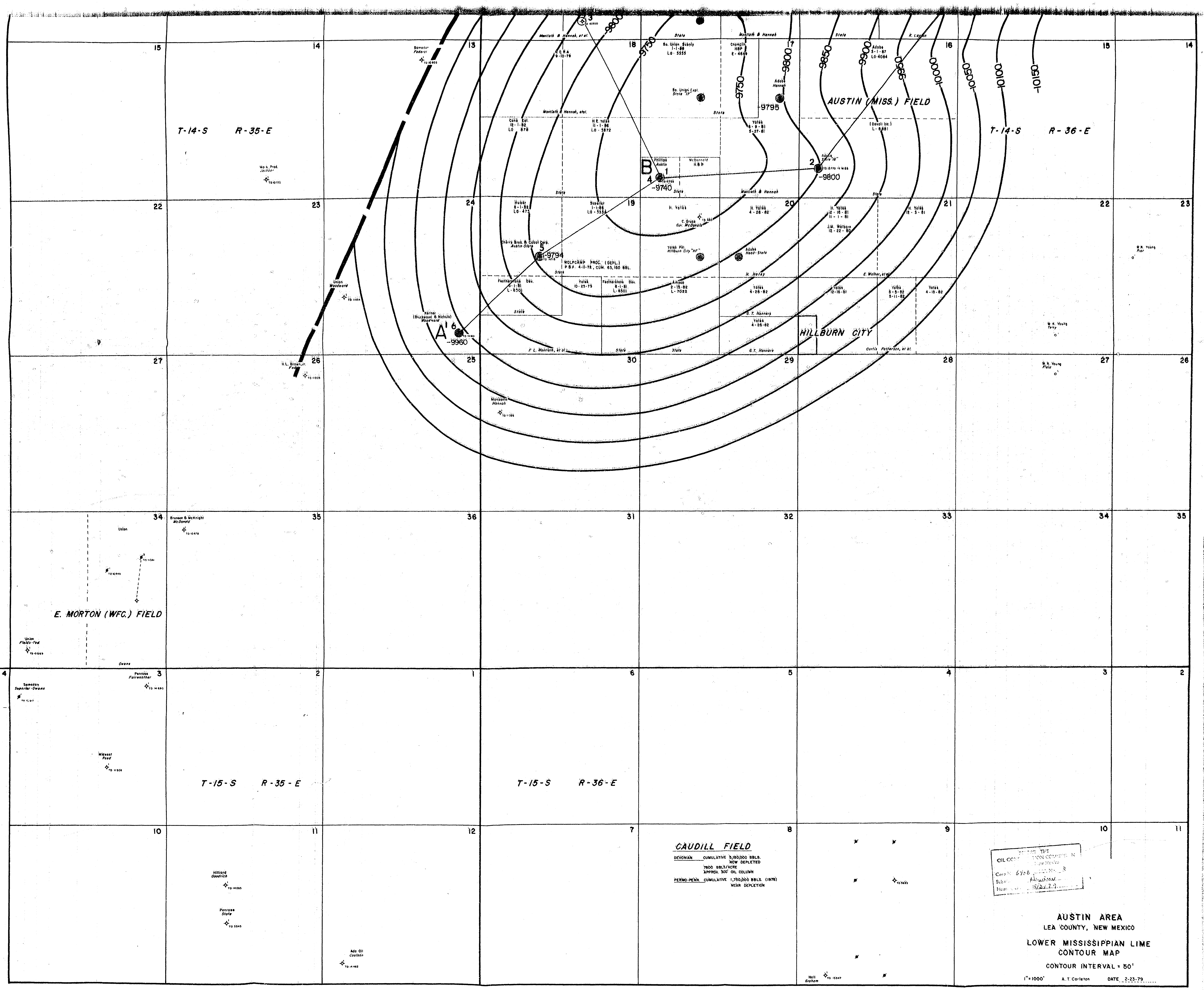

T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
9750
9800
9850
9900
9950
10000
10050
10100
10150
A
B
1
2
3
4
5
6
-9740
-9795
-9800
-9794
-9960
WOLFCAMP PROD. (DEPL.)
PBA 4-11-72, CUM. 63,180 BBL.
Phillips Austin
McDonnold H.B.P.
Adobe State "16"
TD 15770 IN MISS
So. Union Supply 1-1-88 Lo-3335
So. Union Expl. State "17"
Champlin HBP E-4649
Adobe Hannah
Adobe 3-1-87 Lo-4084
Yates 6-9-81 5-27-81
(Davoll Inc.) L-6881
Montieth & Hannah, et al.
Montieth & Hannah
State
K. Layton
N C R A 9-10-79
Cone Est. 12-1-82 LO 878
H.E. Yates 11-1-86 LO-1872
Huber 8-1-82 LO-475
Superior 1-1-86 LO-3334
H. Yates
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
H. Yates 12-3-81
C. Gruce Gov. McDonald
J.M. Welborn 12-22-80
Cherry Bros. & Cabot Corp. Austin-State
Yates Pet. Hillburn City "KF"
Adobe Head-State
Featherstone Dev. 6-1-81 L-6301
Yates 10-25-79
Featherstone Dev. 6-1-81 L-6301
Amoco 2-15-82 L-7022
N. Haley
E. Walker, et al.
Yates 4-26-82
Yates 12-16-81
Yates 5-5-82 5-11-82
Yates 4-18-82
G. T. Hanners
Curtis Patterson, et al.
F. L. Montieth, et al.
Kerner (Blackwood & Nichols) Woodward
Monsanto Hannah
Sunray Federal
Union Woodward
H.L. Brown, Jr. Fed.
Mark Prod. Jackson
Brunson & McKnight McDonald
Union
Union Fields-Fed
Owens
Samedan Superior-Owens
Penrose Fairweather
Midwest Reed
Hilliard Goodrich
Penrose State
Ada Oil Carlson
Holl Graham
W.K. Young Fair
W.K. Young Terry
W.K. Young State
15
14
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BEFORE THE
OIL CONSERVATION COMMISSION
New Mexico
Case No. 6408 Exhibit No. 3
Submitted by Adobe
Hearing Date 3/21/79

CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1978)
NEAR DEPLETION

AUSTIN AREA
LEA COUNTY, NEW MEXICO

LOWER MISSISSIPPIAN LIME
CONTOUR MAP

CONTOUR INTERVAL = 50'

1" = 1000'   A.T. Carleton   DATE 2-23-79

N.M.O.C.C. MICROGRAPHICS
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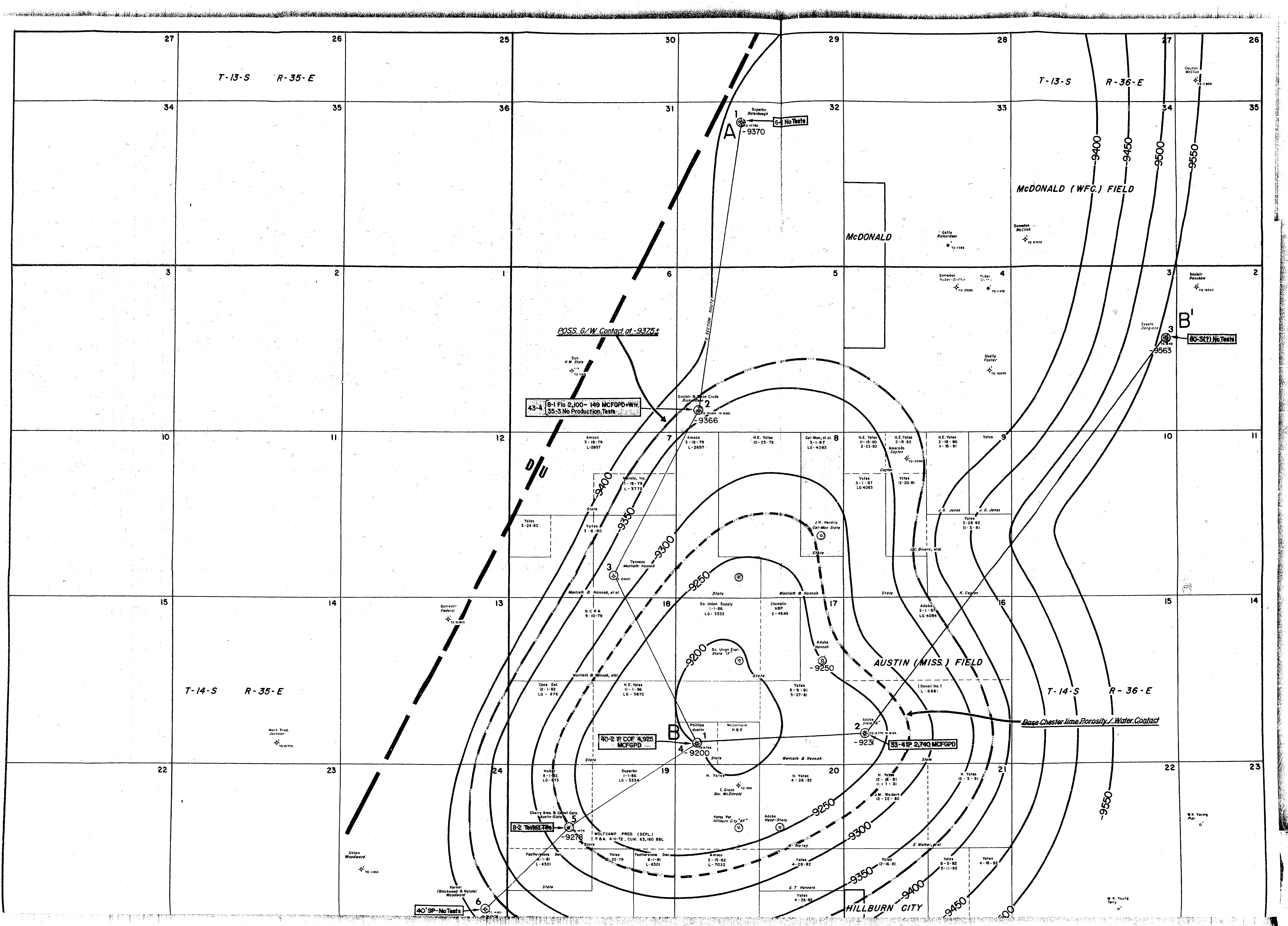
T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
X SECTION ROUTE
D
U
A
B
B'
Superior Betenbough 1 TD 14780 -9370
6-1 No Tests
POSS. G/W Contact at -9375±
Sinclair & Texas Crude Richardson 2 TD 13494 IN MISS. -9366
43-4 {8-1 Flo 2,100- 149 MCFGPD+Wtr. 35-3 No Production Tests
Zapata Dangiade 3 -9563
80-3(?) No Tests
Tenneco Montieth-Hannah 3 TD 10800
Phillips Austin 1 TD 14796 4 -9200
40-2 IP COF 4,925 MCFGPD
Adobe State "16" 2 TD 13770 IN MISS. -9231
33-4 IP 2,740 MCFGPD
Base Chester lime Porosity / Water Contact
Cherry Bros. & Cabot Corp. Austin State 5 TD 14719 -9276
8-2 Tested Wtr.
WOLFCAMP PROD. (DEPL.) P.&A. 4-11-72, CUM. 63,160 BBL.
Kerner (Blackwood & Nichols) Woodward 6 TD 14801
40' SP - No Tests
-9200
-9250
-9300
-9350
-9400
-9450
-9500
-9550
Amoco 3-18-79 L-2657
H.E. Yates 10-25-79
Cal-Mon, et al. 3-1-87 LG-4082
H.E. Yates 11-15-80 2-23-82
H.E. Yates 2-18-82
Amerada Cayton
H.E. Yates 2-18-80 11-15-81
Maralo, Inc. 11-18-79 L-3772
Yates 3-24-82
Yates 3-8-80
Yates 3-1-87 LG-4083
Yates 12-20-81
J.G. Jones
Yates 2-28-82 11-3-81
J.H. Hendrix Cal-Mon State
C.C. Bivens, et al.
Montieth & Hannah, et al.
Montieth & Hannah
K. Cayton
N C R A 9-10-79
So. Union Supply 1-1-86 LG-3333
Champlin HBP E-4649
Adobe 3-1-87 LG-4084
So. Union Expl. State "17"
Adobe Hannah -9250
Cone Est. 12-1-82 LG-878
H.E. Yates 11-1-86 LG-3872
Yates 6-9-81 5-27-81
(Davoil Inc.) L-6881
McDonnald H.B.P.
Huber 8-1-82 LG-473
Superior 1-1-86 LG-3334
H. Yates
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
H. Yates 12-3-81
C. Grace Gov. McDonald TD 550
Yates Pet. Hillburn City "KF"
Adobe Head-State
H. Haley
E. Walker, et al.
Featherstone Dev. 6-1-81 L-6301
Yates 10-25-79
Amoco 2-15-82 L-7022
Yates 4-26-82
Yates 12-16-81
Yates 5-5-82 5-11-82
Yates 4-18-82
G.T. Hanners
Yates 4-26-82
State
Sun N M State TD 11015
Somedon Federal
Union Woodward
Mark Prod. Jackson
Getty Richardson TD 11388
Somedon McClish TD 10623
Cayman McClish TD 11800
Somedon Huber-Griffin TD 10600
Huber Griffin TD 11475
Sinclair Renshaw TD 13047
Skelly Foster TD 10699
W.K. Young Prior
W.K. Young Terry
27
26
25
30
29
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34
35
36
31
32
33
3
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1
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12
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16
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23
24
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W.N.R.C.F. MICROGRAPHICS

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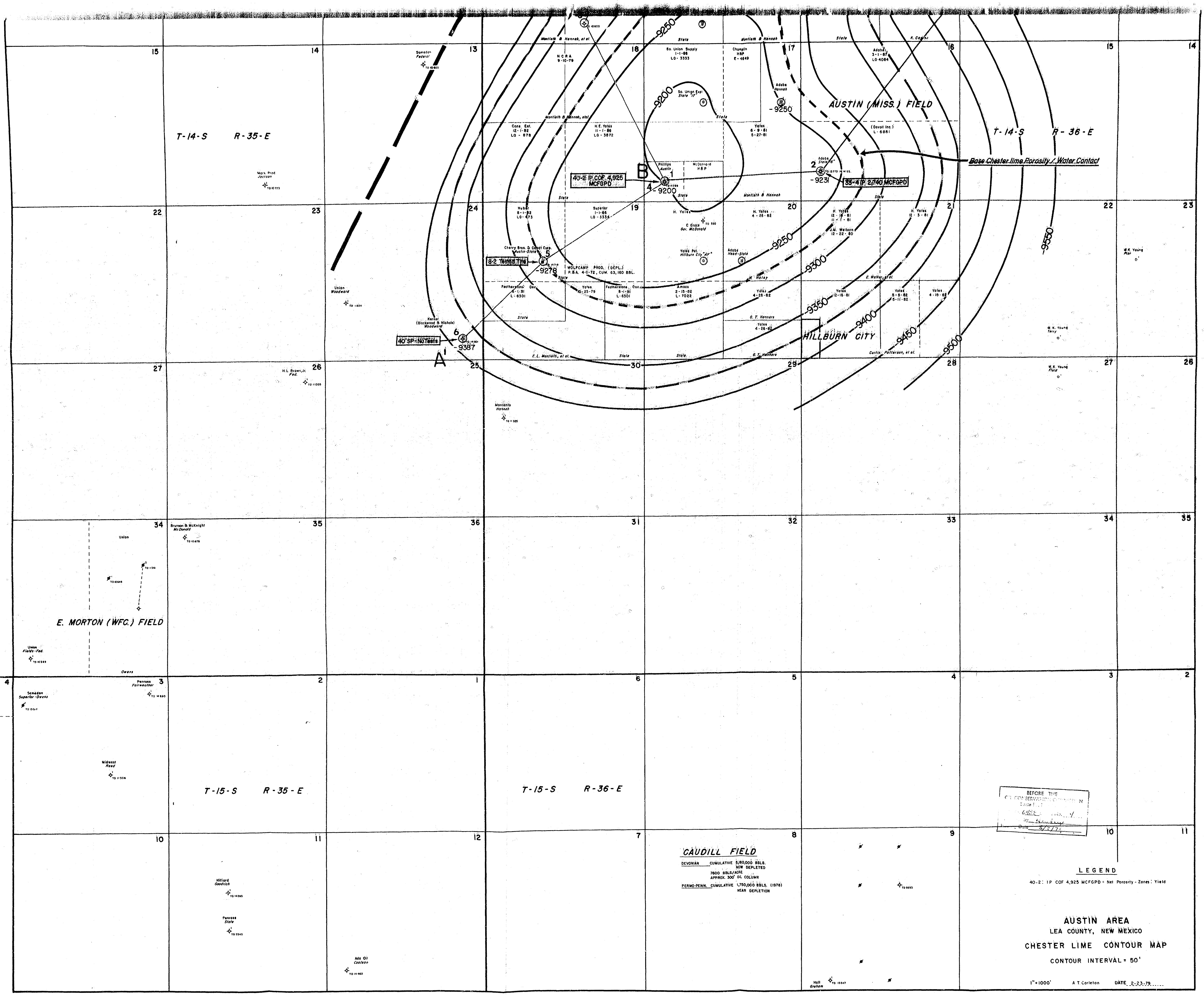

T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
Base Chester lime Porosity / Water Contact
40-2 IP COF 4,925 MCFGPD
35-4 IP 2,740 MCFGPD
8-2 Tested Tite
40' SP - No Tests
WOLFCAMP PROD. (DEPL.) P.&A. 4-11-72, CUM. 63,160 BBL.
B
A'
1
2
4
5
6
-9200
-9231
-9250
-9278
-9387
9200
9250
9300
9350
9400
9450
9500
9550
Phillips Austin
Adobe State "16"
Cherry Bros. & Cabot Corp. Austin-State
Kerner (Blackwood & Nichols) Woodward
So. Union Expl. State "17"
Adobe Hannah
Yates Pet. Hillburn City "RF"
Adobe Head-State
C. Grace Gov. McDonald
Monsanto Hannah
Union Woodward
H. L. Brown, Jr. Fed.
Sunray Federal
Mark Prod. Jackson
Brunson & McKnight McDonald
Union
Union Fields-Fed.
Owens
Penrose Fairweather
Sinclair Superior-Owens
Midwest Read
Hillard Goodrich
Penrose State
Ada Oil Coulson
Holt Graham
W. K. Young
Montieth & Hannah, et al.
Montieth & Hannah
State
So. Union Supply 1-1-86 LG-3333
Champlin HBP E-4649
NCRA 9-10-79
Adobe 3-1-87 LG-4084
K. Cooper
Cone. Est. 12-1-82 LG-878
H. E. Yates 11-1-86 LG-3872
Yates 6-9-81 5-27-81
(Davoil Inc.) L-6881
McDonnold HBP
Huber 8-1-82 LG-473
Superior 1-1-86 LG-3334
H. Yates
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
H. Yates 12-3-81
Featherstone Dev. 8-1-81 L-6301
Yates 10-25-79
Amoco 2-15-82 L-7022
Yates 4-26-82
Yates 12-16-81
Yates 6-5-82 5-11-82
Yates 4-19-82
H. Haley
E. Walker, et al.
G. T. Hanners
E. L. Montieth, et al.
Curtis, Patterson, et al.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1976)
NEAR DEPLETION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, [illegible]
CASE [illegible] No. 4
by [illegible]
Date 3/2/79

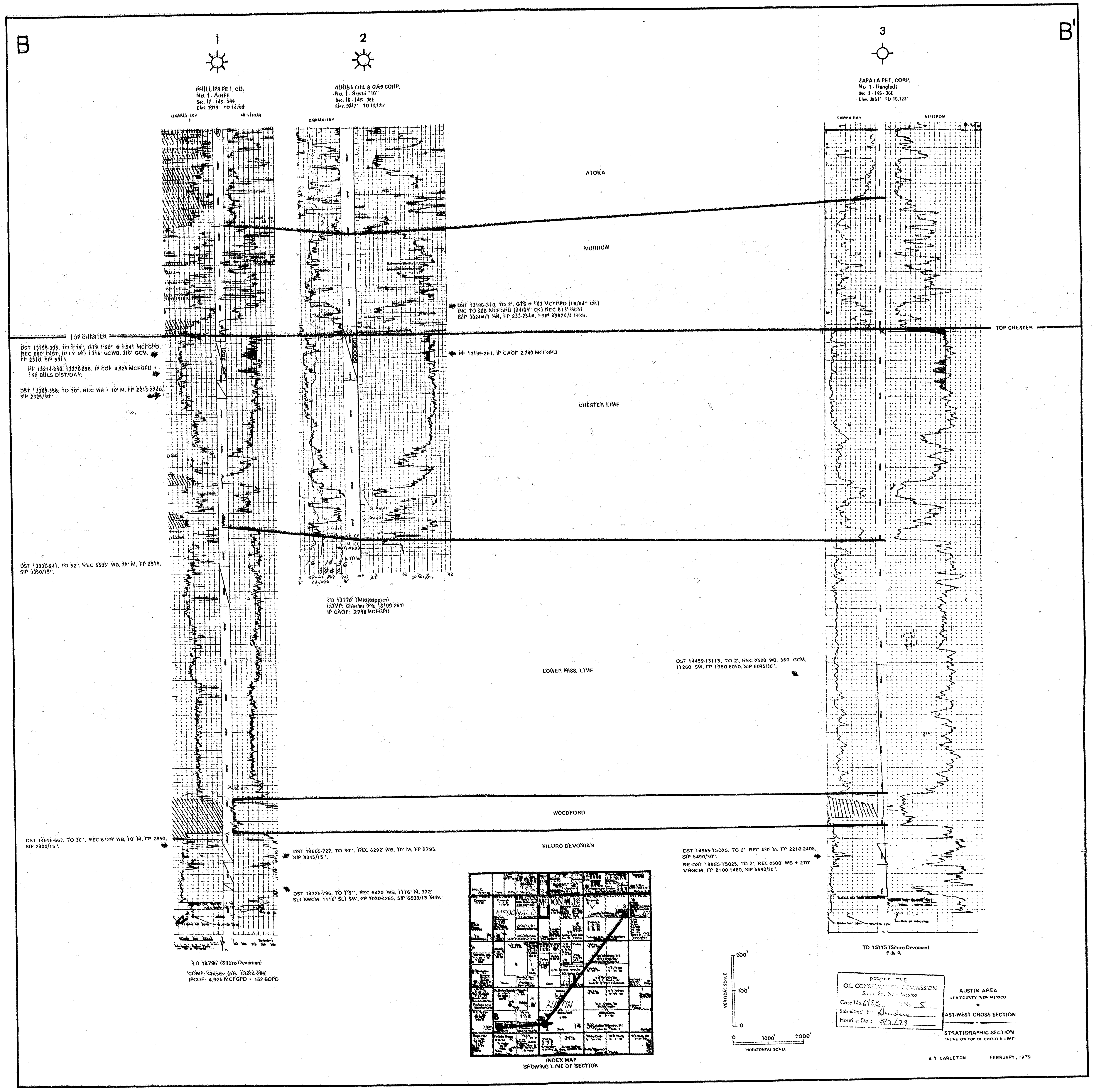
LEGEND

40-2: IP COF 4,925 MCFGPD = Net Porosity - Zones: Yield

AUSTIN AREA
LEA COUNTY, NEW MEXICO
CHESTER LIME CONTOUR MAP
CONTOUR INTERVAL = 50'

1" = 1000'   A. T. Carleton   DATE 2-23-79

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


B
B'
1
PHILLIPS PET. CO.
No. 1 - Austin
Sec. 17 - 14S - 36E
Elev. 3979' TD 14790'
GAMMA RAY
NEUTRON
2
ADOBE OIL & GAS CORP.
No. 1 - State "16"
Sec. 16 - 14S - 36E
Elev. 3947' TD 13,775'
GAMMA RAY
3
ZAPATA PET. CORP.
No. 1 - Dangladə
Sec. 3 - 14S - 36E
Elev. 3951' TD 15,123'
GAMMA RAY
NEUTRON
ATOKA
MORROW
TOP CHESTER
TOP CHESTER
CHESTER LIME
LOWER MISS. LIME
WOODFORD
SILURO DEVONIAN
16-14-36
3942
INDEX MAP
SHOWING LINE OF SECTION
AUSTIN
VERTICAL SCALE
200'
100'
0
0
1000'
2000'
HORIZONTAL SCALE

DST 13186-310, TO 2', GTS @ 103 MCFGPD (16/64" CK) INC TO 200 MCFGPD (24/64" CK) REC 813' GCM, ISIP 3624#/1 HR, FP 233-254#, FSIP 4967#/4 HRS.

DST 13195-305, TO 2'35", GTS 1'50" @ 1,541 MCFGPD, REC 660' DIST, (GTY 49°) 1316' GCWB, 316' GCM, FP 2310, SIP 5315.

PF 13214-248, 13270-286, IP COF 4,925 MCFGPD + 152 BBLS DIST/DAY.

PF 13199-261, IP CAOF 2,740 MCFGPD

DST 13305-356, TO 30", REC WB + 10' M, FP 2215-2240, SIP 2325/30"

DST 13830-941, TO 52", REC 5505' WB, 25' M, FP 2515, SIP 3350/15".

TD 13770' (Mississippian)
COMP: Chester (Pfs 13199-261)
IP CAOF: 2740 MCFGPD

DST 14459-15115, TO 2', REC 2520' WB, 360' GCM, 11260' SW, FP 1950-6010, SIP 6045/30".

DST 14616-667, TO 30", REC 6229' WB, 10' M, FP 2850, SIP 2900/15".

DST 14665-727, TO 30", REC 6292' WB, 10' M, FP 2795, SIP 4345/15".

DST 14725-796, TO 1'5", REC 6420' WB, 1116' M, 372' SLI SWCM, 1116' SLI SW, FP 3030-4265, SIP 6030/15 MIN.

DST 14965-15025, TO 2', REC 430' M, FP 2210-2405, SIP 5490/30".

RE-DST 14965-15025, TO 2', REC 2500' WB + 270' VHGCM, FP 2100-1460, SIP 5940/30".

TD 14796' (Siluro Devonian)
COMP: Chester (pfs 13214-286)
IPCOF: 4,925 MCFGPD + 152 BOPD

TD 15115 (Siluro-Devonian)
P & A

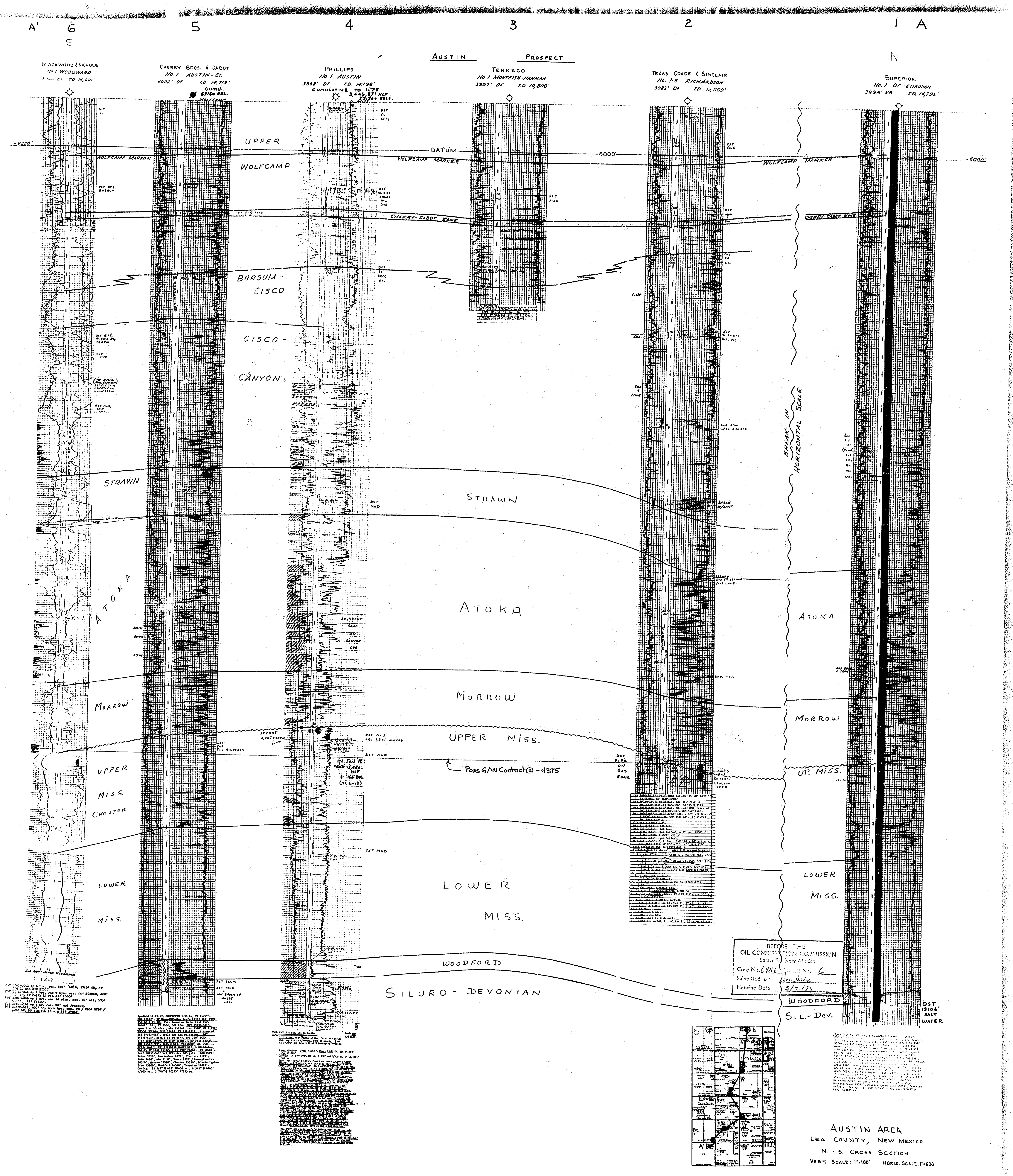
BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 5
Submitted by Adobe
Hearing Date 5/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO
*
EAST-WEST CROSS SECTION

STRATIGRAPHIC SECTION
(HUNG ON TOP OF CHESTER LIME)

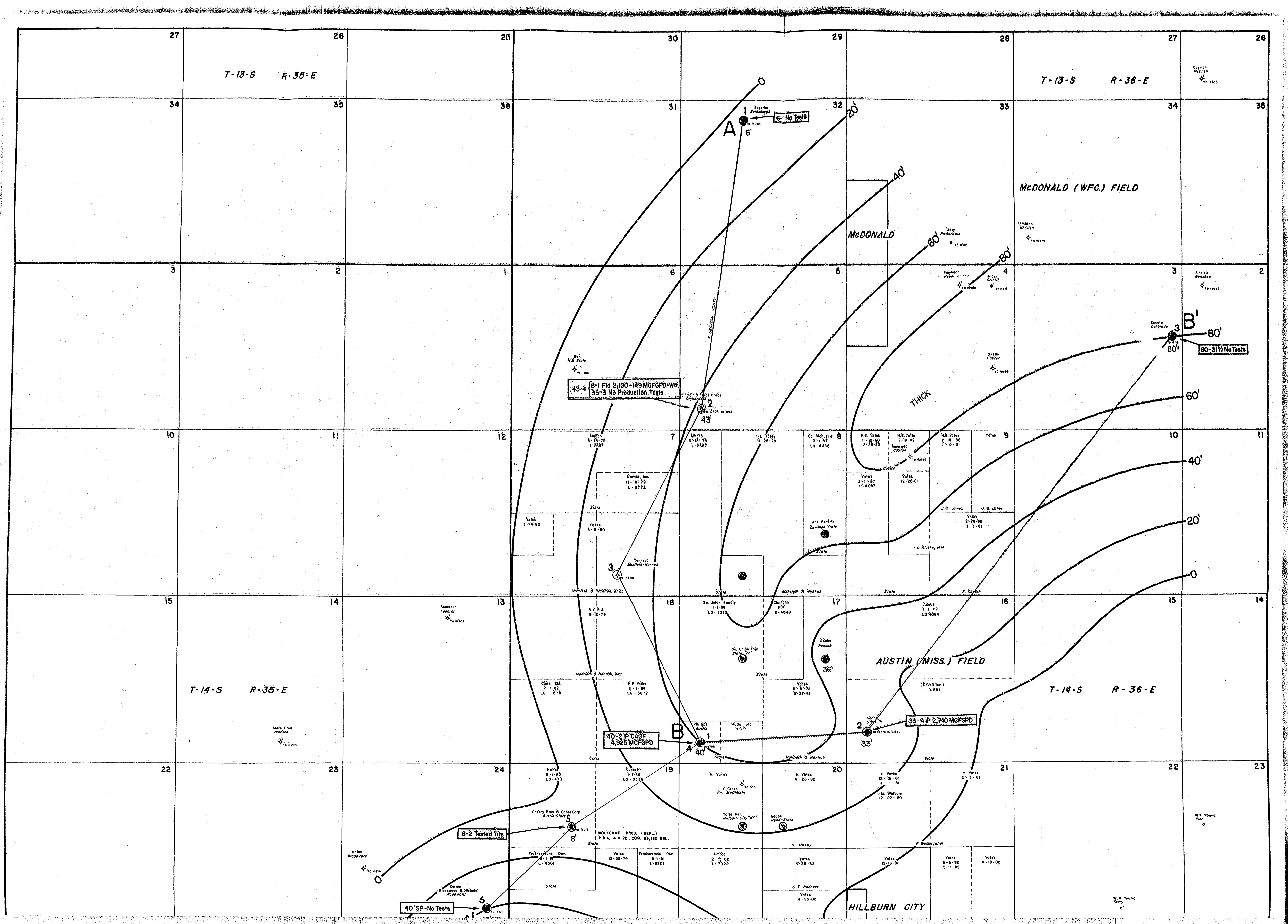
A T CARLETON FEBRUARY, 1979

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


A'
6
S
5
4
3
2
1
A
N
AUSTIN PROSPECT
BLACKWOOD & NICHOLS
No 1 WOODWARD
3956' DF T.D. 14,601'
CHERRY BROS. & CABOT
No. 1 AUSTIN-ST.
4002' DF T.D. 14,719'
CUMU. 69160 BBL. WOLFCAMP
PHILLIPS
No. 1 AUSTIN
3982' DF T.D. 14,796'
CUMULATIVE TO 1-78
3,446,871 MCF
53,300 BBLS.
MISS.
TENNECO
No. 1 MONTEITH-HANNAH
3997' DF T.D. 10,800'
TEXAS CRUDE & SINCLAIR
No. 1-5 RICHARDSON
3983' DF T.D. 13,509'
SUPERIOR
No. 1 BT "ENBOUGH"
3995' KB T.D. 14,792'
-6000'
DATUM
-6000'
-6000'
UPPER WOLFCAMP
WOLFCAMP MARKER
WOLFCAMP MARKER
WOLFCAMP MARKER
CHERRY-CABOT ZONE
CHERRY-CABOT ZONE
BURSUM-CISCO
CISCO-CANYON
BREAK IN HORIZONTAL SCALE
STRAWN
STRAWN
ATOKA
ATOKA
ATOKA
MORROW
MORROW
MORROW
UPPER MISS.
UPPER MISS. CHESTER
UP. MISS.
Poss G/W Contact @ -9375
LOWER MISS.
LOWER MISS.
LOWER MISS.
WOODFORD
WOODFORD
SILURO-DEVONIAN
SIL.-DEV.
DST 13106' SALT WATER
A
A'

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No. 6488 Exhibit No. 6
Submitted by Jan Bais
Hearing Date 3/2/79

AUSTIN AREA
LEA COUNTY, NEW MEXICO
N.-S. CROSS SECTION
VERT. SCALE: 1"=100' HORIZ. SCALE: 1"=600


T-13-S R-35-E
T-13-S R-36-E
T-14-S R-35-E
T-14-S R-36-E
McDONALD (WFC.) FIELD
McDONALD
AUSTIN (MISS.) FIELD
HILLBURN CITY
THICK
X SECTION ROUTE
A
B
B'
0
20'
40'
60'
80'
8-1 No Tests
Superior Bafenbough
TD 14780
6'
43-4 {8-1 Flo 2,100-149 MCFGPD+Wtr. 35-3 No Production Tests
Sinclair & Texas Crude Richardson
TD 13494 in Miss.
43'
Tenneco Montieth-Hannah
TD 10800
40-2 IP CAOF 4,925 MCFGPD
Phillips Austin
TD 14798
40'
33-4 IP 2,740 MCFGPD
Adobe State "16"
TD 13770 in Miss.
33'
Adobe Hannah
36'
80-3(?) No Tests
Zapata Dangtade
80'
80'?
8-2 Tested Tite
Cherry Bros. & Cabot Corp. Austin-State
TD 14719
8'
40' SP-No Tests
Kerner (Blackwood & Nichols) Woodward
WOLFCAMP PROD. (DEPL.) P.&A. 4-11-72, CUM. 63,160 BBL.
Union Woodward
TD 11654
Samedan Federal
TD 10803
Sun NM State
TD 11013
Getty Richardson
TD 11385
Samedan McClish
TD 10425
Samedan Huber-Griffin
TD 10800
Huber Griffin
TD 11478
Skelly Foster
TD 10899
Sinclair Renshaw
TD 13047
Amerada Caylon
TD 12090
C. Grace Gov. McDonald
TD 550
So. Union Expl. State "17"
Yates Pet. Hillburn City "KF"
Adobe Head-State
J.H. Hendrik Cal-Mon State
Montieth & Hannah, et al.
Montieth & Hannah
State
H. Haley
G. T. Hanners
E. Walker, et al.
L.C. Bivens, et al.
J. G. Jones
K. Caylon
Amoco 3-18-79 L-2687
Morato, Inc. 11-18-79 L-3772
H.E. Yates 10-25-79
Cal-Mon, et al. 3-1-87 LG-4082
H.E. Yates 11-15-80 2-23-82
H.E. Yates 2-18-82
H.E. Yates 2-18-80 11-15-81
Yates 3-1-87 LG-4083
Yates 12-20-81
Yates 2-28-82 11-3-81
Yates 3-24-82
Yates 3-8-80
NCRA 9-10-79
So. Union Supply 1-1-86 LG-3333
Champlin HBP E-4649
Adobe 3-1-87 LG-4084
Cone Est. 12-1-82 LG-878
H.E. Yates 11-1-86 LG-3872
Yates 6-9-81 5-27-81
(Davoil Inc.) L-6881
McDonnold H.B.P.
Huber 8-1-82 LG-473
Superior 1-1-86 LG-3334
H. Yates
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
H. Yates 12-3-81
Featherstone Dev. 6-1-81 L-6301
Yates 10-25-79
Amoco 2-15-82 L-7022
Yates 4-26-82
Yates 12-16-81
Yates 5-5-82 5-11-82
Yates 4-18-82
Coyman McClish
Mark Prod. Jackson
W.K. Young Pryor
W.K. Young Terry
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N.M.R.C.F. MICROGRAPHICS
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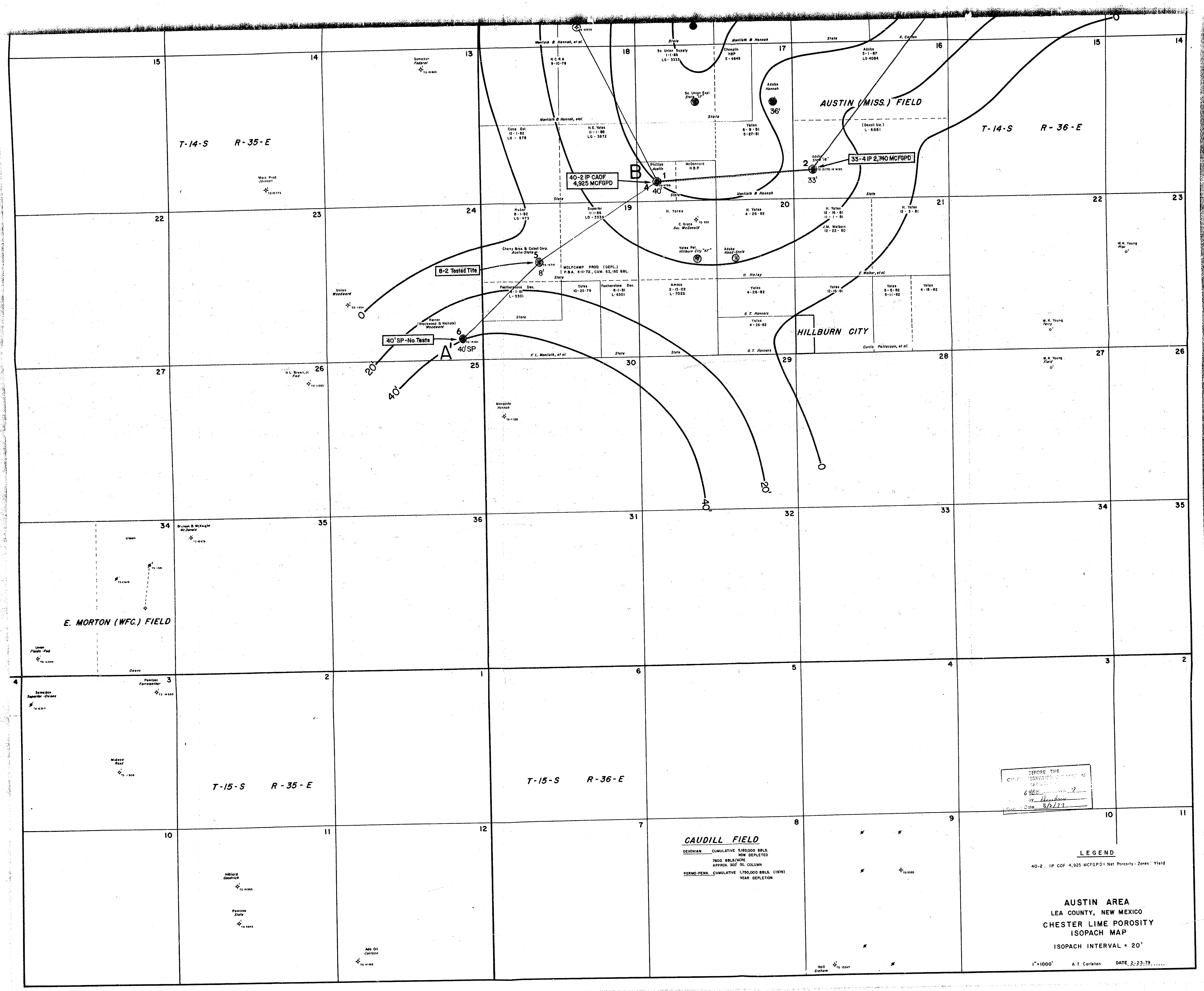
T-14-S R-35-E
T-14-S R-36-E
T-15-S R-35-E
T-15-S R-36-E
AUSTIN (MISS.) FIELD
HILLBURN CITY
E. MORTON (WFC.) FIELD
B
A'
40-2 IP CAOF 4,925 MCFGPD
33-4 IP 2,740 MCFGPD
8-2 Tested Tite
40' SP-No Tests
1
2
4
5
6
40'
33'
36'
8'
40' SP
0
20'
40'
Phillips Austin
McDonnold H.B.P.
Adobe State "16"
TD 13770 IN MISS.
Adobe Hannah
So. Union Supply 1-1-83 LG-3333
Champlin HBP E-4649
Adobe 3-1-87 LG-4084
So. Union Expl. State "17"
(Devoil Inc.) L-6881
Yates 6-9-81 5-27-81
NCRA 9-10-79
Cone Est. 12-1-82 LG-878
H.E. Yates 11-1-86 LG-3872
Montieth & Hannah, et al.
Montieth & Hannah
K. Carlton
State
Huber 8-1-82 LG-473
Superior 1-1-86 LG-3334
H. Yates
C. Grace Gov. McDonald
H. Yates 4-26-82
H. Yates 12-16-81 11-1-81
J.M. Welborn 12-22-80
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Cherry Bros. & Cabot Corp. Austin-State
WOLFCAMP PROD. (DEPL.) P.&A. 4-11-72, CUM. 63,160 BBL.
Yates Pet. Hillburn City "KF"
Adobe Head-State
H. Haley
E. Walker, et al.
Featherstone Dev. 6-1-81 L-3301
Yates 10-25-79
Featherstone Dev. 6-1-81 L-6301
Amoco 2-15-82 L-7022
Yates 4-26-82
Yates 12-16-81
Yates 5-5-82 5-11-82
Yates 4-18-82
G. T. Hanners
Curtis Patterson, et al.
F. L. Montieth, et al.
Union Woodward
Kerner (Blackwood & Nichols) Woodward
Samedan Federal
Mack Prod. Jackson
H.L. Brown, Jr. Fed.
Monsanto Hannah
W.K. Young
Union
Bronson & McKnight McDonald
Union Fowler Fed.
Owens
Samedan Superior-Owens
Penrose Fairweather
Midwest Reed
Hilliard Goodrich
Penrose State
Ada Oil Carleton
Hall Eiphom
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
1 2 3 4 5 6 7 8 9 10 11 12

CAUDILL FIELD

DEVONIAN CUMULATIVE 5,180,000 BBLS.
NOW DEPLETED
7600 BBLS/ACRE
APPROX. 300' OIL COLUMN

PERMO-PENN. CUMULATIVE 1,750,000 BBLS. (1978)
NEAR DEPLETION

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
6488 Exhibit No. 2
by Hendrix
Date 3/2/79

LEGEND

40-2 . IP COF 4,925 MCFGPD = Net Porosity - Zones : Yield

AUSTIN AREA
LEA COUNTY, NEW MEXICO
CHESTER LIME POROSITY
ISOPACH MAP

ISOPACH INTERVAL = 20'

1" = 1000'   A.T. Carleton   DATE 2-23-79