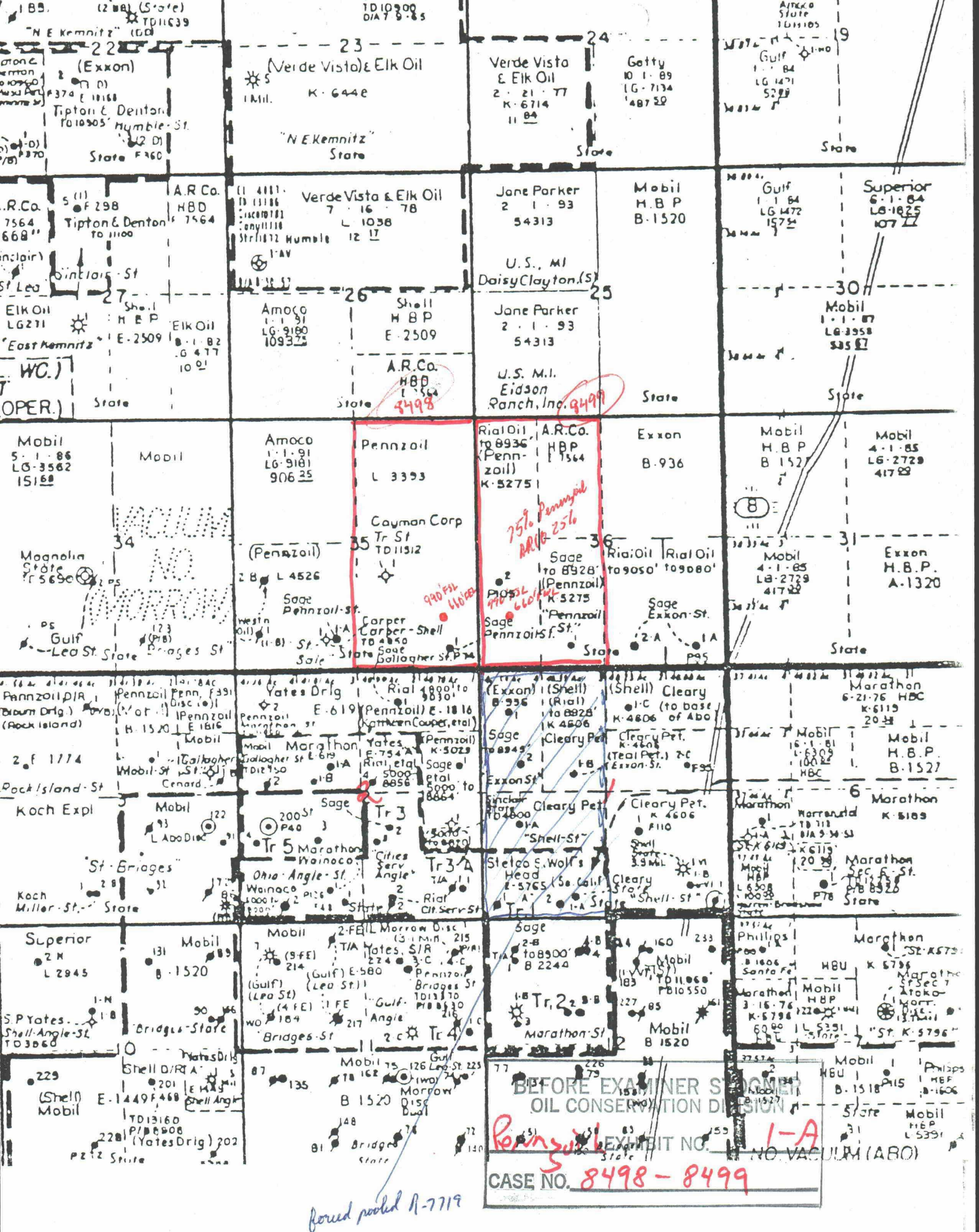
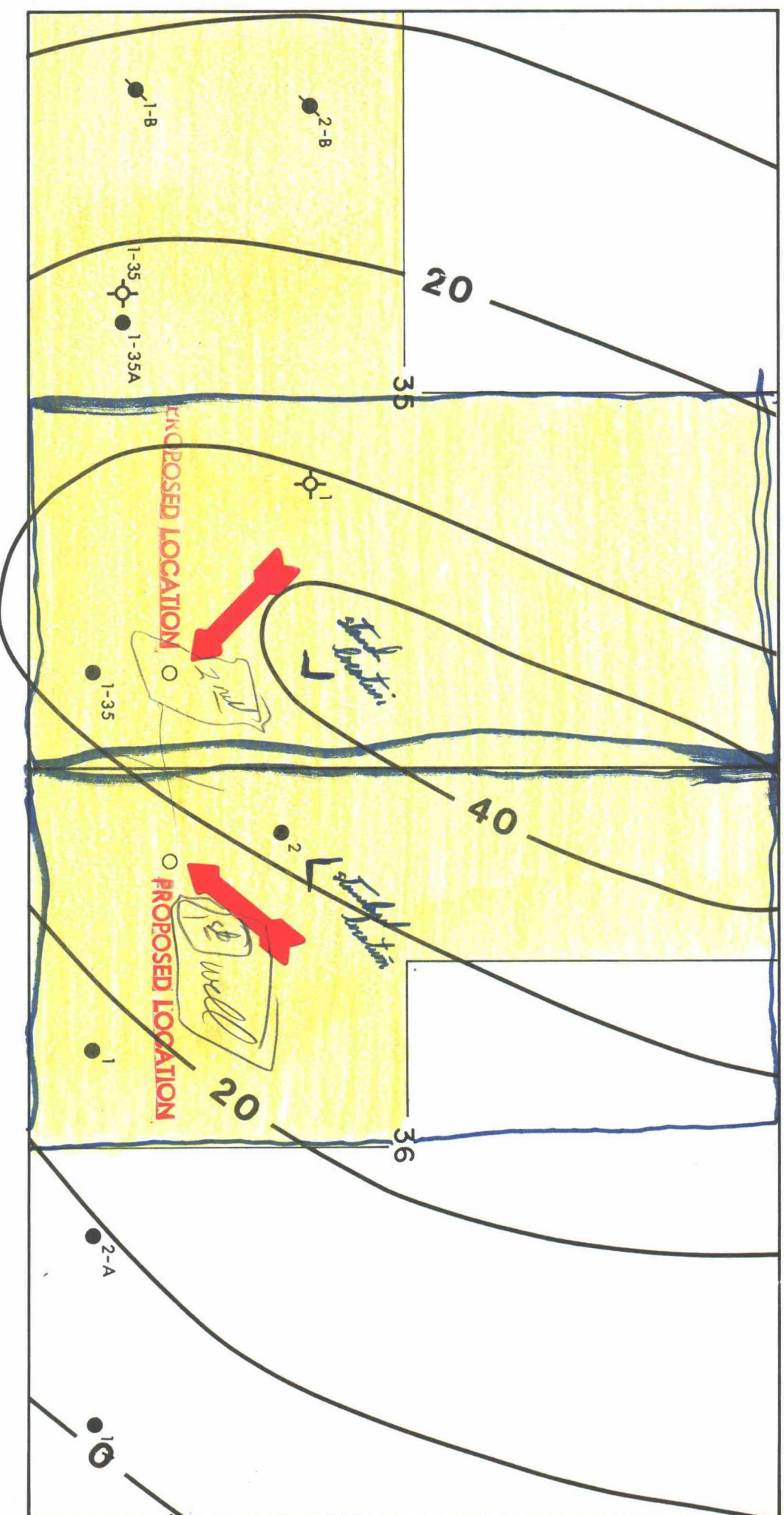




R34E

T
16
S



VACUUM, NORTH AREA LEA COUNTY, NEW MEXICO

ISOPACH MAP

MORROW

NET POROSITY 6%

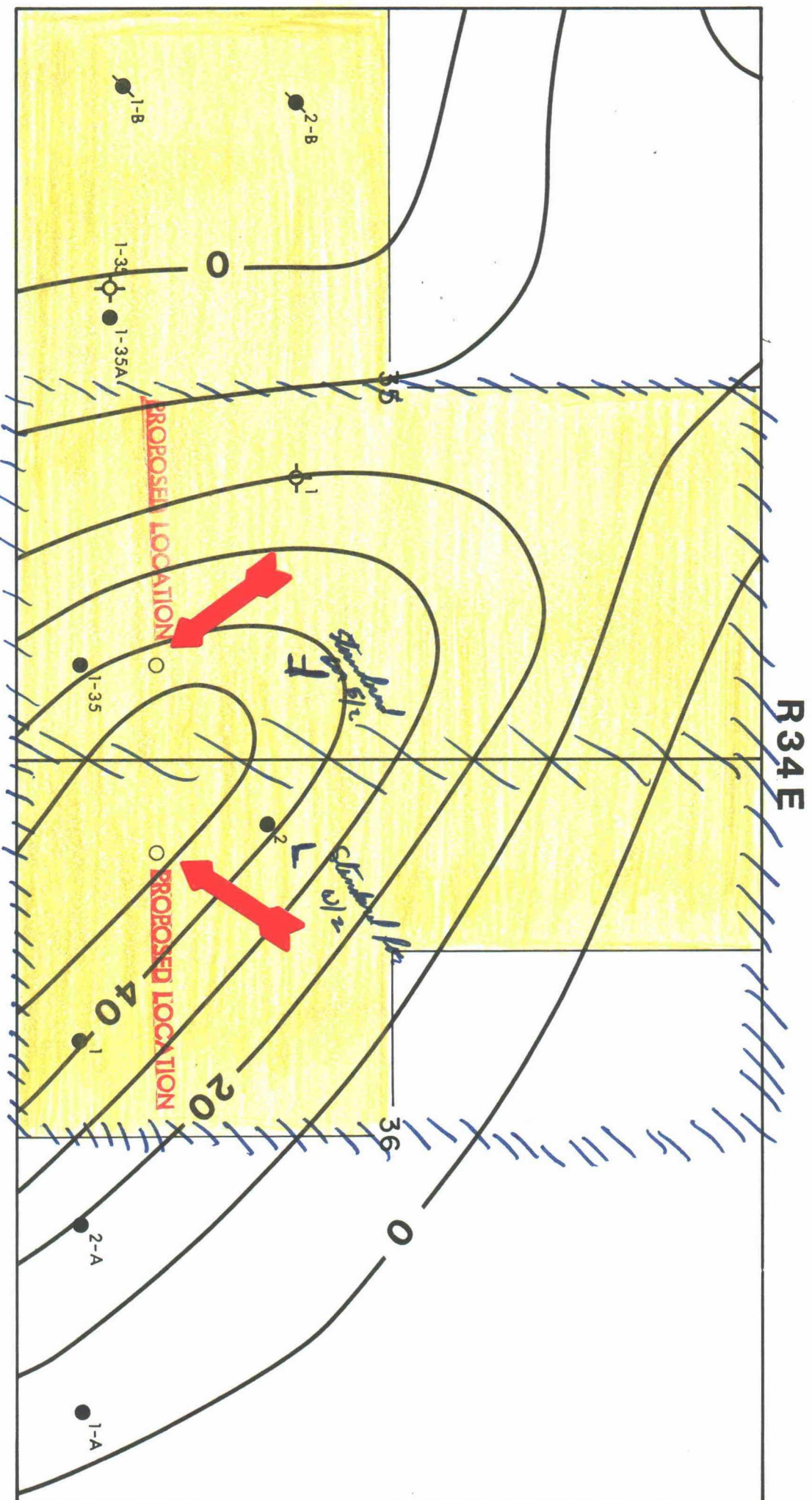
CONTOUR INTERVAL 10 FEET

FEBRUARY, 1985 G. L. HAIR

BEFORE EXAMINER STOGNT
OIL CONSERVATION DIVISION

Pennsylv EXHIBIT NO. *2*

CASE NO. *8498-8499*



VACUUM, NORTH AREA LEA COUNTY, NEW MEXICO

ISOPACH MAP

ATOKA SAND

NET POROSITY 6%

CONTOUR INTERVAL 10 FEET

FEBRUARY, 1985 G. L. HAIR

BEFORE EXAMINER STOGNER OIL CONSERVATION DIVISION	
Case No. <u>8498-8499</u>	EXHIBIT NO. <u>3</u>

R 34 E

R 35 E

Amoco

Pennzoil

Rial Oil
(Pennzoil)

Arco

Exxon

Mobil

Mobil

T
16
S

35

36

31

Sage

Rial Oil

Rial Oil

Mobil

Exxon

State

State

State

Yates

Rial Oil
(Pennzoil)

Exxon

Shell

Shell

Marathon

Marathon

Yates

Sage

(Pennzoil)

Shell

Statco

Marathon

Mobil

Mobil

Warren

Marathon

State

State

State

T
17
S

Mobil

Pennzoil

Sage

Mobil

Phillips

Marathon

I-FE

215

4-B

160

I-A

I St. K

184

224

I-B

233

I-ZZ

I-St

217

224

2

85

I-UU

I-St

11

216

3-B

227

7

7

87

75

77

88

2

I-St

135

126

134

158

3

I-St

78

74

79

159

4

148

263

51

83

3

4

264

140

262

150

3

4

State

State

State

EXXON CORPORATION **NORTH VACUUM AREA** **Lea County, New Mexico**

*Exxon Exhibits 1 through 6
 Complete set*

Scale: 1" = 2000'
 February 27, 1985

M.R. Riggle

BEFORE THE STATE ENGINEER
 OIL COMMISSION
 EXHIBIT NO. 1
 CASE NO. 8498 & 8499

R 34 E

R 35 E

Amoco

Pennzoil

Rial Oil
(Pennzoil)

Arco

Exxon

Mobil

Mobil

T
16
S

30

20

10

0

-10

-20

-30

-40

-50

-60

-70

-80

-90

-100

-110

-120

-130

-140

-150

-160

-170

-180

-190

-200

-210

-220

-230

-240

-250

-260

-270

-280

-290

-300

-310

-320

-330

-340

-350

T
17
S

Yates

Rial Oil
(Pennzoil)

Exxon

Shell

Shell

Marathon

Marathon

Yates

Sage

Exxon

Shell

Shell

Mobil

Mobil

200

3

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

Mobil

2 FE

214

184

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

1

2

3

4

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4

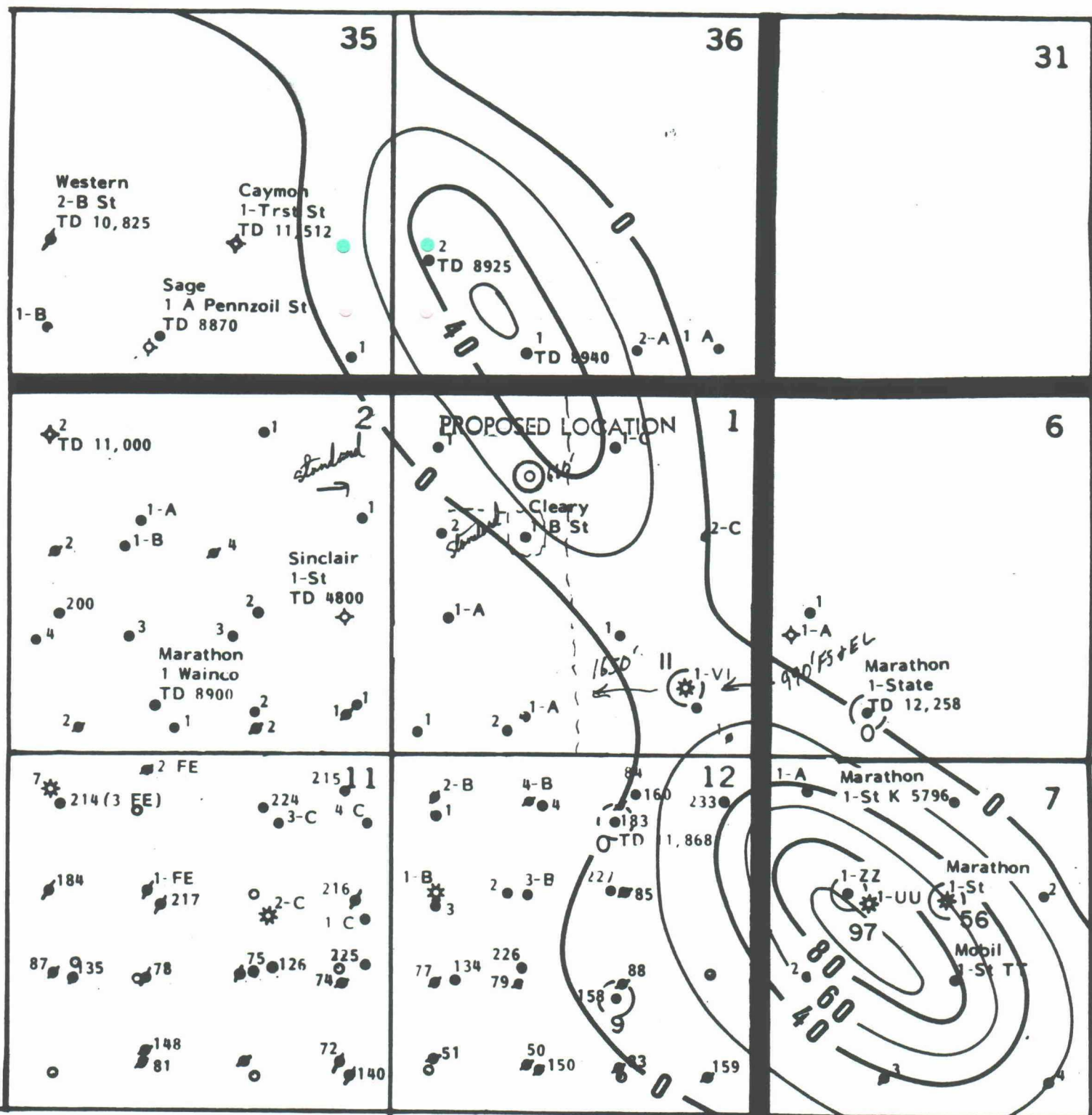
EXXON CORPORATION
NORTH VACUUM AREA
 Lea County, New Mexico

ATOKA SAND PAY-GROSS ISOPACH
 GR $\leq$ 50 A.P.I.

Scale: 1" = 2000'
 February 27, 1985

C.I. - 10' & 20'
 M.R. Riggie

EXHIBIT NO. 2
 CASE NO. 8498 & 8499



VACUUM NORTH AREA LEA COUNTY, NEW MEXICO

ISOPACH MAP

ATOKA PAY SAND

POROSITY > 6%

CONTOUR INTERVAL 20'

SCALE 1"=2000'

OCTOBER, 1984

G.L. HAIR

BEFORE EXAMINER STOGNER
OIL CONSERVATION DIVISION

Pennzoil EXHIBIT NO. 3
CASE NO. 8394

3
Exxon Corp.
E NO. 8498 & 8499

R 34 E

R 35 E

Amoco

Pennzoil

Rial Oil

Arco

Exxon

Mobil

Mobil

T
16
S

35

31

2-B

2

Sage

Rial Oil

Rial Oil

Mobil

Exxon

I-A

2

2-A

I-A

State

State

State

Yates

Rial Oil
(Pennzoil)

Exxon

Shell

Shell

Marathon

Marathon

Yates

Sage

2

I-B

2-C

200

I-A

I-B

2

3

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

State

State

State

State

Mobil

Pennzoil

Sage

2

I-A

Mobil

Phillips

Marathon

184

I-FE

217

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

1

2

Mobil

Pennzoil

Sage

2

I-C

Mobil

Phillips

Marathon

87

135

78

126

75

72

140

74

225

79

134

79

226

150

88

58

83

119

2

3

4

5

6

7

8

9

10

11

12

13

14

15

State

State

State

EXXON CORPORATION
NORTH VACUUM AREA
 Lea County, New Mexico

STRUCTURE TOP MORROW

Scale: 1" = 2000'
 February 27, 1985

C.I. - 100'
 M.R. Riggie

EXXON CORPORATION
 OIL COMPANY DIVISION
 EXXON Corp EXHIBIT NO. 4
 CASE NO. 8498 & 8499

PENALTY PROPOSAL

$$\frac{\text{Actual distance from boundary}}{\text{Permitted distance from boundary}} = \frac{990'}{1980'} = 50\%$$

78% allowable

$\frac{1}{2}$ " demonstrates full recovery capability, " on both wells
allowable

BEFORE EXAMINER STOGNER	
OIL CONSERVATION DIVISION	
Exxon Corp	EXHIBIT NO. <u>6</u>
CASE NO. <u>8498 & 8499</u>	

Exxon Corporation

Exhibit No. _____

Case No. 8498 & 8499

February 27, 1985