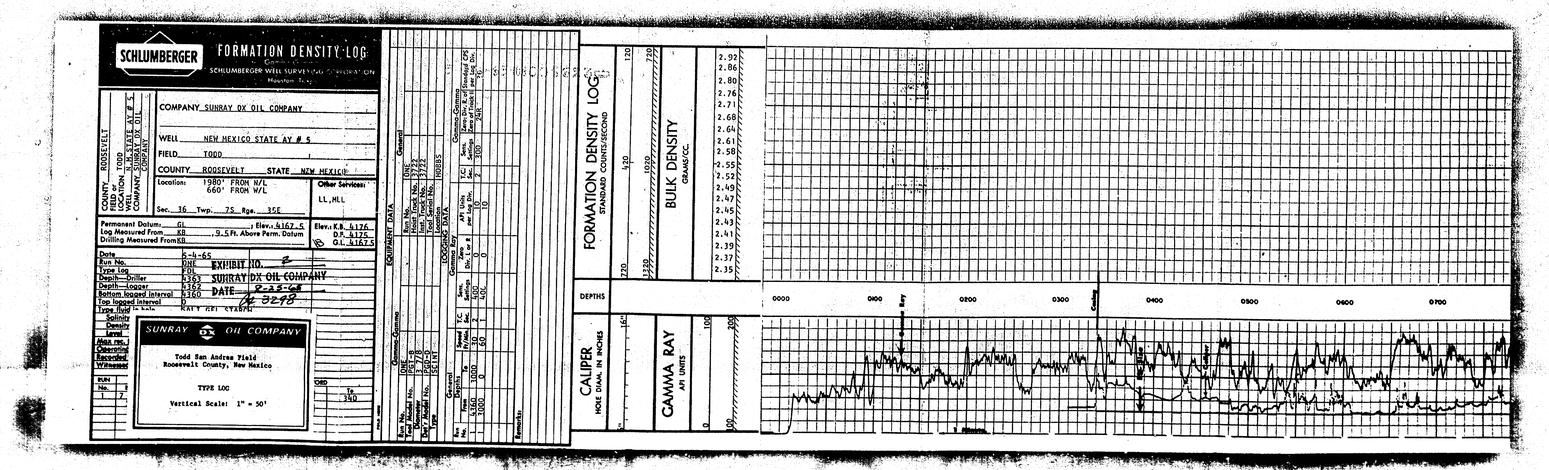
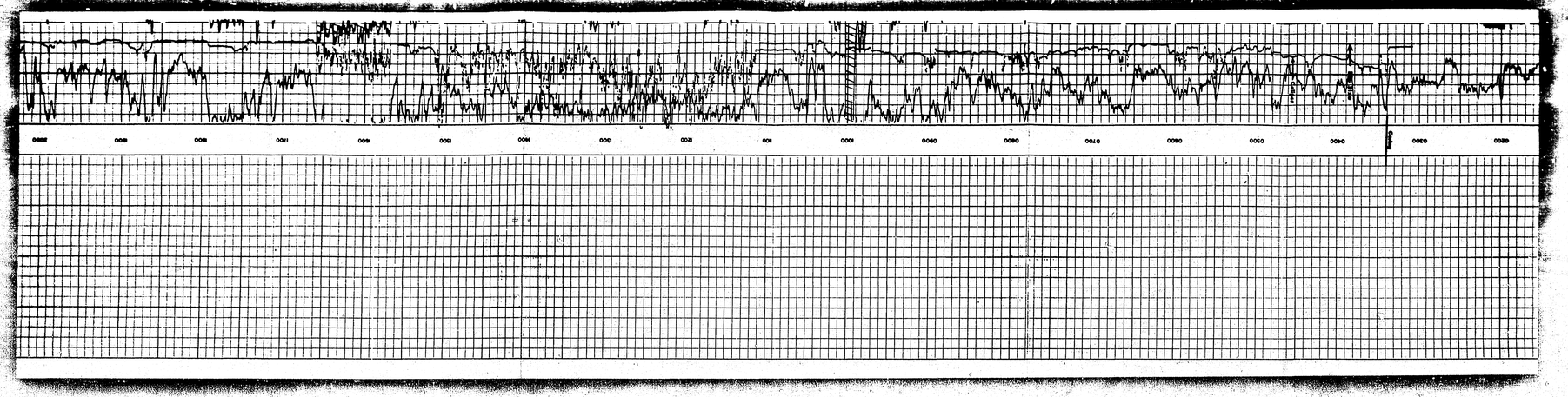
CASE NO:

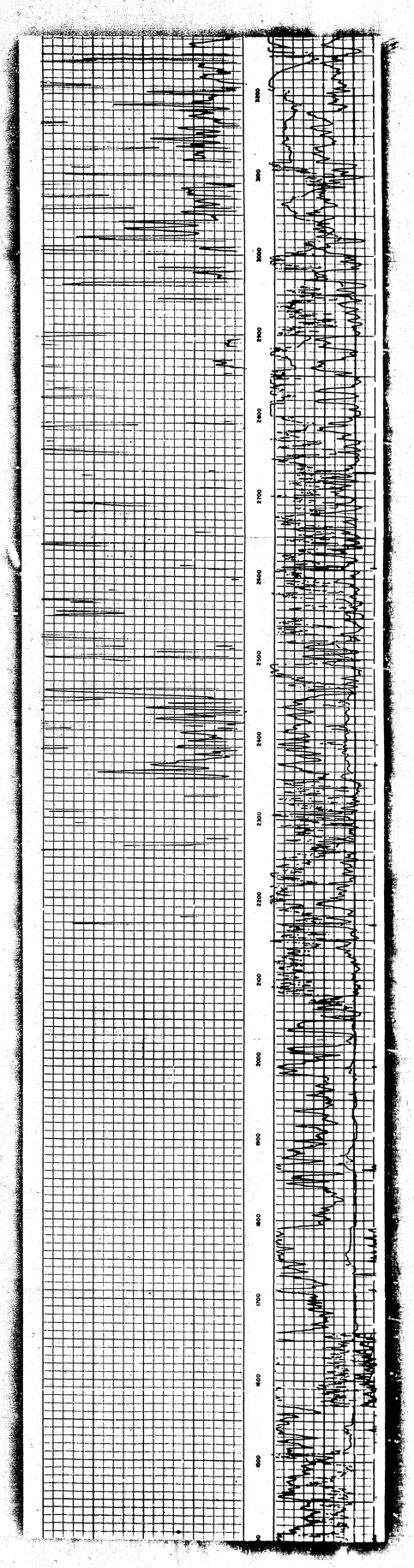
3298

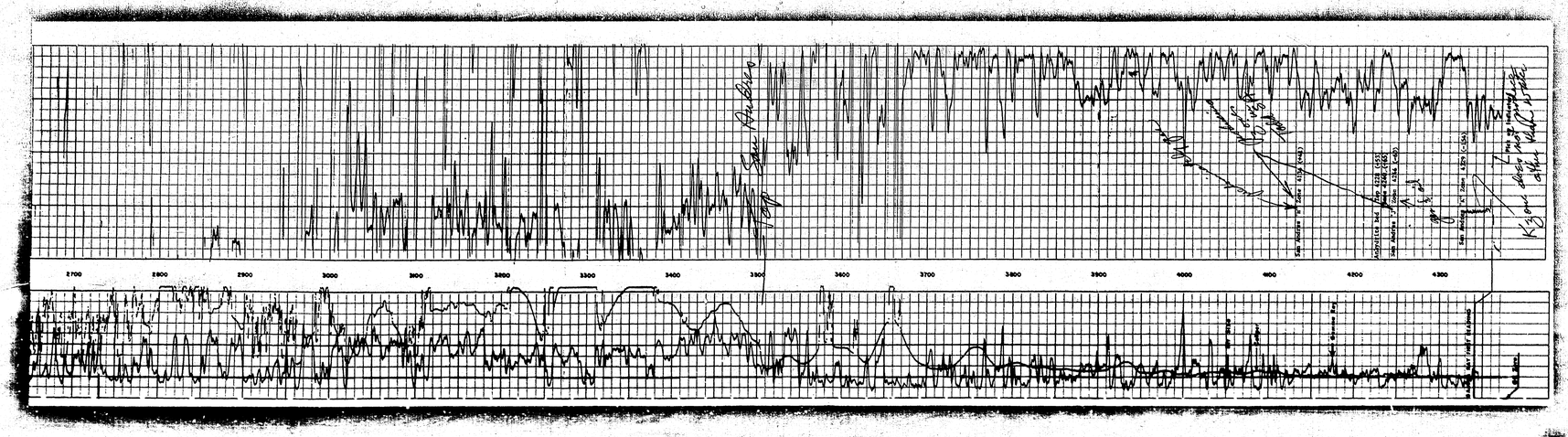
Large
Exhibits



V.E.R.G.F. MICROGRAPHICS




V.E.N.C.P. RECORDINGS



V.R.R.C.P. MICROGRAPHICS

C.I. MICROGRAPHICS W.N.M.C.F.
P.O. DRAWER 250
TRUTH OR CONSEQUENCES, NEW MEXICO 87901

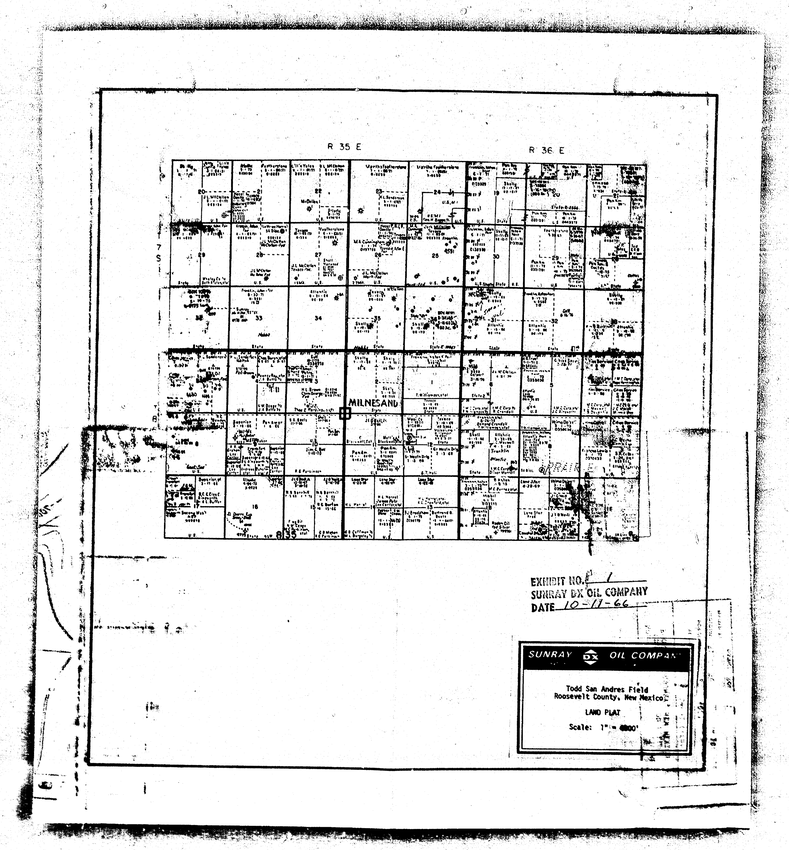
DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose as follows:

_____ No acknowledgement

✓ Misc. Water Damaged Documents

DOCUMENT NUMBER 3298
REEL NUMBER 18
FRAME NUMBER 97
DATE 12-14-87
SIGNED OUT BY Judie Bloss



W.N.M.C.F. MICROGRAPHICS

C.I. MICROGRAPHICS M.N.M.C.F.

P.O. DRAWER 250

LOVING, NEW MEXICO 97080

DOCUMENT WITHDRAWN SHEET

This document listed below has been withdrawn for the purpose as follows:

_____ Re-acknowledgement

✓ Other Water Damaged Documents

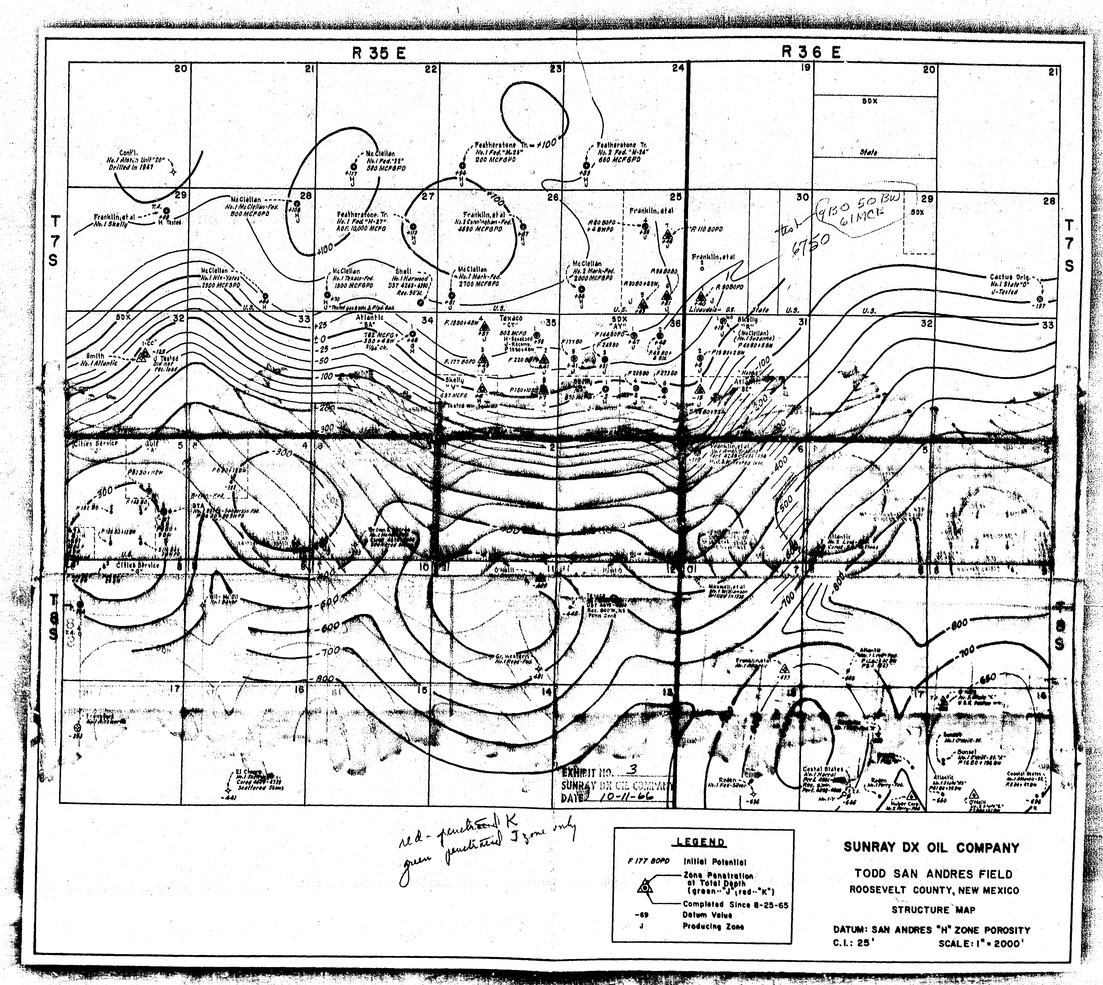
DOCUMENT NUMBER 3298

REEL NUMBER 18

FRAME NUMBER 97-98

DATE 12-14-87

SIGNED OUT BY Lydia Blea



red - penetrated K
green penetrated J zone only

LEGEND

- F 177 BOPD — Initial Potential
- Zone Penetration at Total Depth (green-"J", red-"K")
- Completed Since 8-25-65
- -69 — Datum Value
- J — Producing Zone

SUNRAY DX OIL COMPANY

TODD SAN ANDRES FIELD

ROOSEVELT COUNTY, NEW MEXICO

STRUCTURE MAP

DATUM: SAN ANDRES "H" ZONE POROSITY

C.I.: 25' SCALE: 1" = 2000'

V.R.M.C.F. MICROGRAPHICS

C.I. MICROGRAPHICS U.N.M.C.F.
P.O. DRAWER 2268
GRANTS, NEW MEXICO 87020

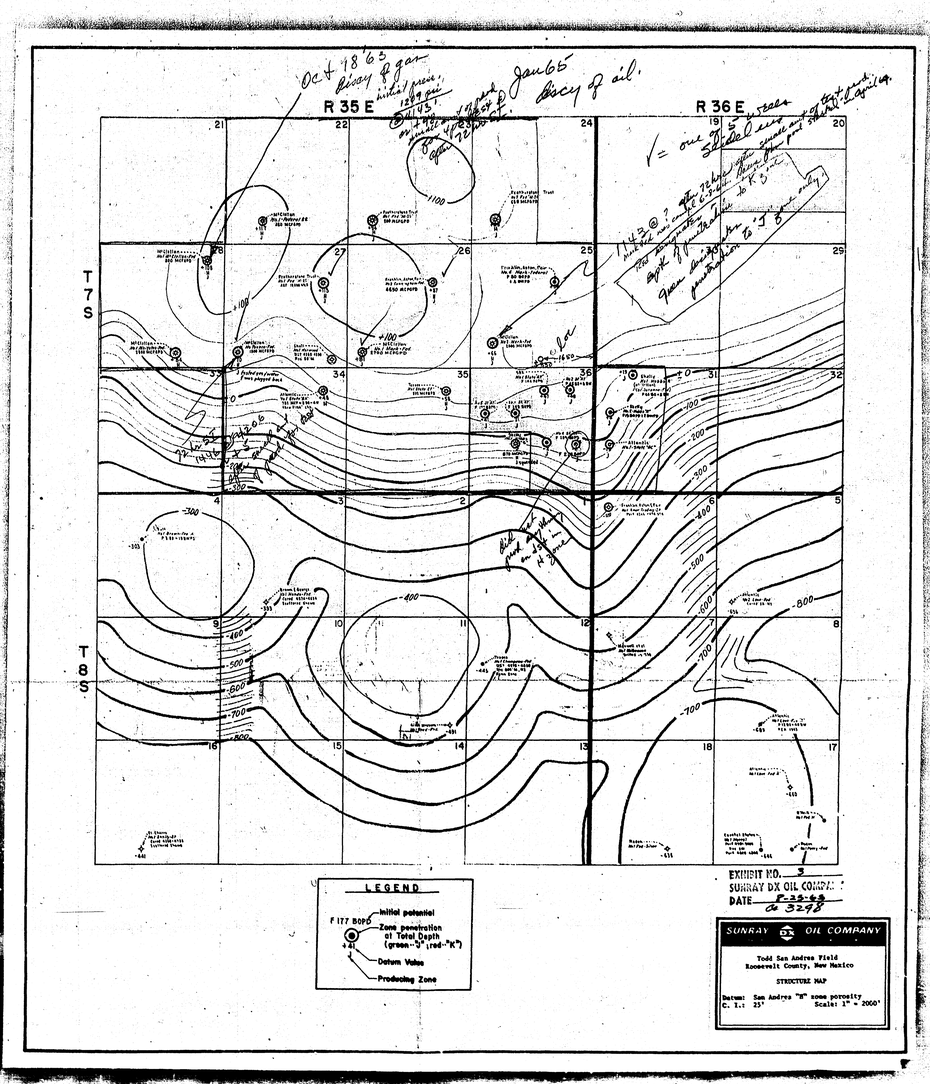
DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose as follows:

____ No acknowledgement

✓ Other Water Damaged Documents

DOCUMENT NUMBER 3298
REEL NUMBER 18
FRAME NUMBER 97-98.99
DATE 12-14-87
SIGNED OUT BY Lydia Blea



U.N.M.C.F. MICROGRAPHICS

C.I. MICROGRAPHICS N.M.O.C.C.

P.O. DRAWER 2088

ARTESIA, NEW MEXICO 88210

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose as follows:

____ No acknowledgement

-V- Other Water Damaged Document

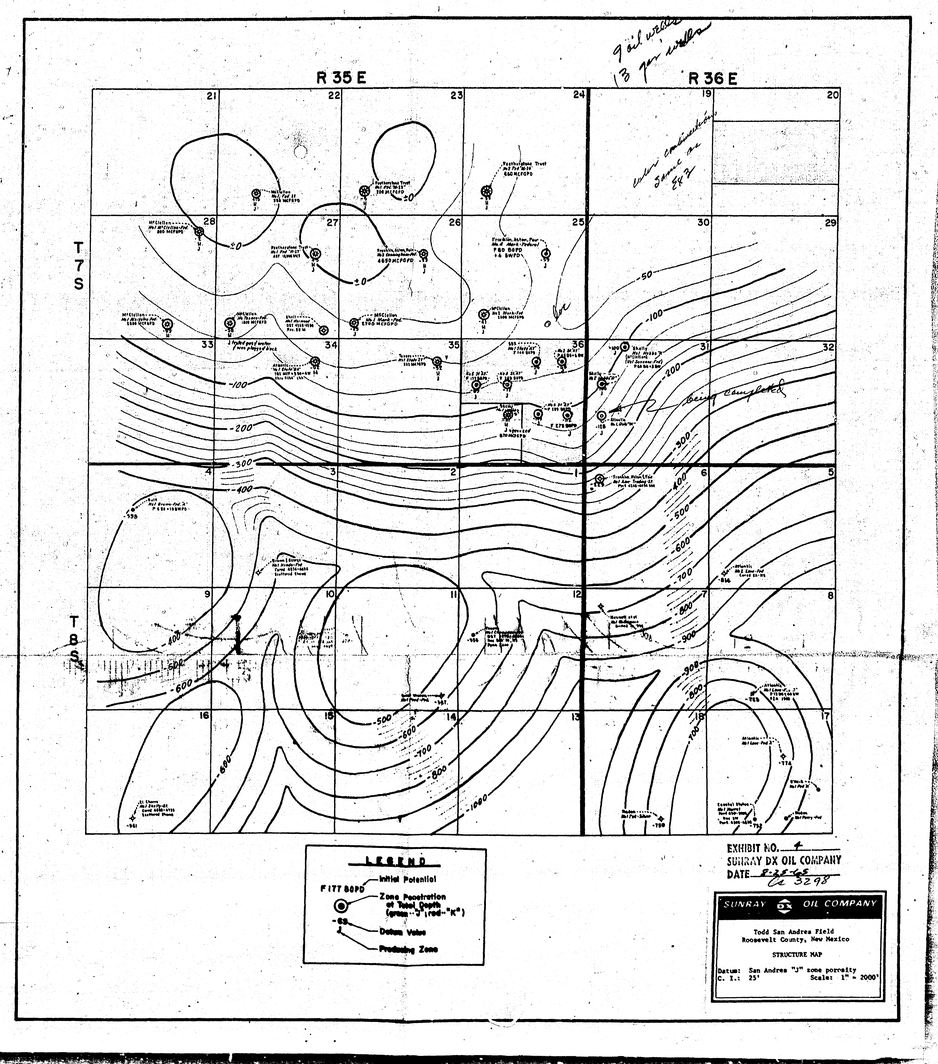
DOCUMENT NUMBER 3298

REEL NUMBER 18

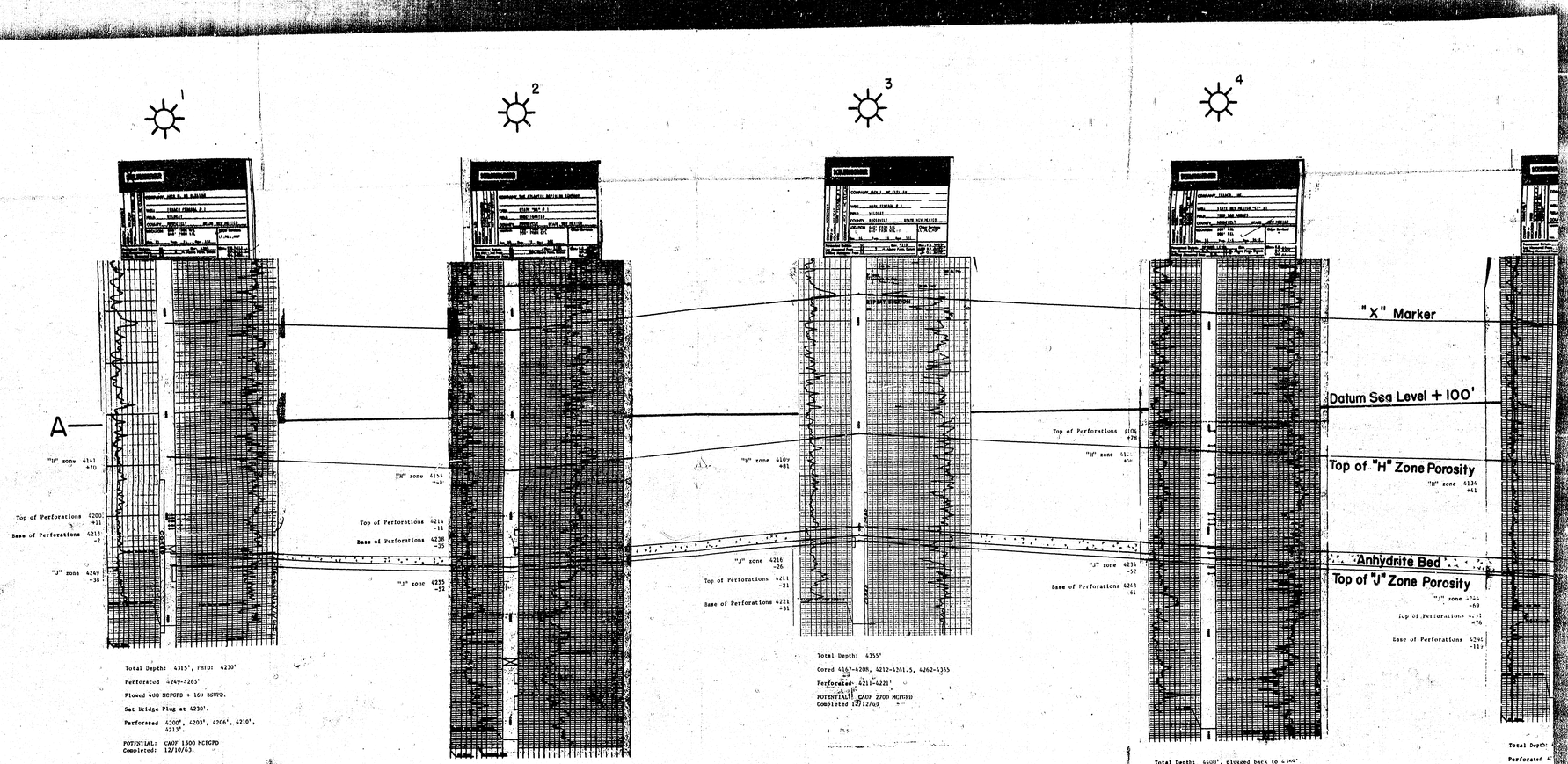
FRAME NUMBER 97-98,99-100

DATE 12-14-87

SIGNED OUT BY Lydia Bleu



V.E.R.C.F. MICROGRAPHICS



Total Depth: 4315', PBTD: 4230'

Perforated 4249-4265'

Flowed 400 MCFGPD + 160 BSWPD.

Set Bridge Plug at 4230'.

Perforated 4200', 4203', 4206', 4210', 4213'.

POTENTIAL: CAOF 1500 MCFGPD
Completed: 12/10/63.

Total Depth: 4430', PBTD: 4340'

Perforated 4354-4364', 4376-4389'

Swabbed 19 BW + 3 BO in 9 hrs.

Set Bridge Plug at 4340'.

Perforated 4214-4219', 4231-4238'.

POTENTIAL: Flowed 282 MCFGPD + 3 BOPD + 6 BWPD on 21/64" choke.
Completed: 12/31/63.

Total Depth: 4355'

Cored 4167-4208, 4212-4261.5, 4262-4355

Perforated: 4211-4221'

POTENTIAL: CAOF 2700 MCFGPD
Completed 12/12/63

Total Depth: 4600', plugged back to 4346'

Perforated: 4104', 4118', 4147', 4154', 4197', 4150', 4195', 4218', 4223', 4234', 4247'.

POTENTIAL: Flowed 302 MCFGPD with trace spray of oil through 6/64" choke.
Completed 10/7/64.

C.I. MICROGRAPHICS W.N.M.C.F.
P.O. DRAWER 250
GRANTS, NEW MEXICO 87020

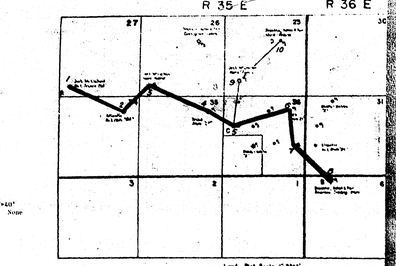
DOCUMENT WITHDRAWN SHEET

The document listed below has been withdrawn for the purpose as follows:

Re-acknowledgment

V Other Water Damaged Documents

DOCUMENT NUMBER 3298
REEL NUMBER 18
FRAME NUMBER 97-98,99,100-101
DATE 12-14-87
FILED OUT BY Lydia Blea



N.M.M.C.F. MICROGRAPHICS

4 5 6 7 8

"X" Marker

Datum Sea Level + 100'

Top of "H" Zone Porosity

"H" zone 4134
441

Anhydrite Bed

Top of "J" Zone Porosity

"J" zone -244
-68

Top of Perforations -91
-76

Base of Perforations 4296
-119

Total Depth: 4400', plugged back to 4340'

Perforated 4106', 4118', 4142', 4154', 4167', 4190', 4215', 4228', 4233', 4254', 4293'.

POTENTIAL: Flowed 301 MCFGD with trace spray of oil through 8/64" choke.

Completed 10/7/64.

"H" zone 4117
+68

"J" zone 4239
-65

Top of Perforations 4235
-70

Base of Perforations 4280
-115

Total Depth: 4363', plugged back to 4314'

Perforated 4251', 4265', 4275', 4280', 4294', 4304', 4314', 4324', 4334', 4344', 4354'.

POTENTIALS: Flowed 177 BOPD, GOR 1944, [illegible] gravity.

Completed 5/12/65.

"H" zone 4117
+68

"J" zone 4239
-65

Top of Perforations 4235
-70

Base of Perforations 4280
-115

Total Depth: 4325', PBTD: 4286'

Cored 4094-4150', 4193-4305'
Scattered shows in bottom 61'.

Perforated 4235', 4243', 4249', 4253', 4258', 4268', 4273', 4280'.

Acidized with 2000 gallons.
Fraced with 20,000 gallons oil + 20,000# sand.

POTENTIAL: Pumped 45 BOPD + 6 BWPD, 42° gravity, GOR990.

Completed: 3/17/65.

"H" zone 41[illegible]

"J" zone 4272
-112

Top of Perforations 4276
-116

Base of Perforations 4325
-165

Total Depth: 4320'

DST 4210-4260': Open 2 hrs., rec. 10' DM. No show. IFP 158, ISIP 574, FFP 204-284, 1 hr. FSIP 638.

Perforated 4226', 4282', 4285', 4297', 4298', 4302', 4303', 4317', 4329'.

Acidized with 2000 gallons.

POTENTIAL: Flowed 273 BOPD, no water. GOR 820, 34.9° gravity.

Completed 4/5/65.

Top of Perforations -96

"H" zone 4270
-119

"J" zone 43[illegible]
-[illegible]

Base of Perforations 4491
-363

Total Depth: 4539'

DST 4450-4539' packer failed.

Perforated 4460', 4465', 4469', 4473', 4485', 4489', [illegible]'.

Acidized with 1500 gallons, swabbed salt water with trace dead oil.

Set bridge plug at 4450'.

Perforated 4245', 4255', 4269', 4317', 4349', 4394', 4409', 4437', 4444'.

Acidized with 1500 gallons. Swabbed salt water with slight show of gas.

Plugged and Abandoned.
Complete 10/6/64.

B

R 35 E R 36 E

T 7 S

T 8 S

Vertical Scale: 1" = 40'
Horizontal Scale: None

Land Plat Scale 1" = 1000'

SUNRAY DX OIL COMPANY

Todd San Andres Field
Roosevelt County, New Mexico

STRUCTURAL CROSS SECTION

A - B

C.I. MICROGRAPHICS W.N.M.C.F.
P.O. DRAWER 850
ARTESIA, NEW MEXICO 88210

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose of follows:

[illegible] its acknowledgement

✓ Other Water Damaged Documents

DOCUMENT NUMBER 3298
REEL NUMBER 18
FILMED MARKET 97-98-99-100-101-102
DATE 12-14-87
SIGNED OUT BY Lydia Bleu

DOCUMENT NO. 5
SUNRAY DX OIL COMPANY
DATE 6-25-68
Ac 3298

W.N.M.C.F. MICROGRAPHICS

C.I. MICROGRAPHICS N.M.O.C.C.
P.O. DRAWER 2088
ARTESIA, NEW MEXICO 88210

DOCUMENT WITHDRAWAL SHEET

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_____ No acknowledgement

✓ Other Water Damaged Documents

DOCUMENT NUMBER 3298
REEL NUMBER 18
PAGE NUMBER 97-98-99-100-101-102-103
DATE 12-14-87
SIGNED OUT BY Lydia Bleu

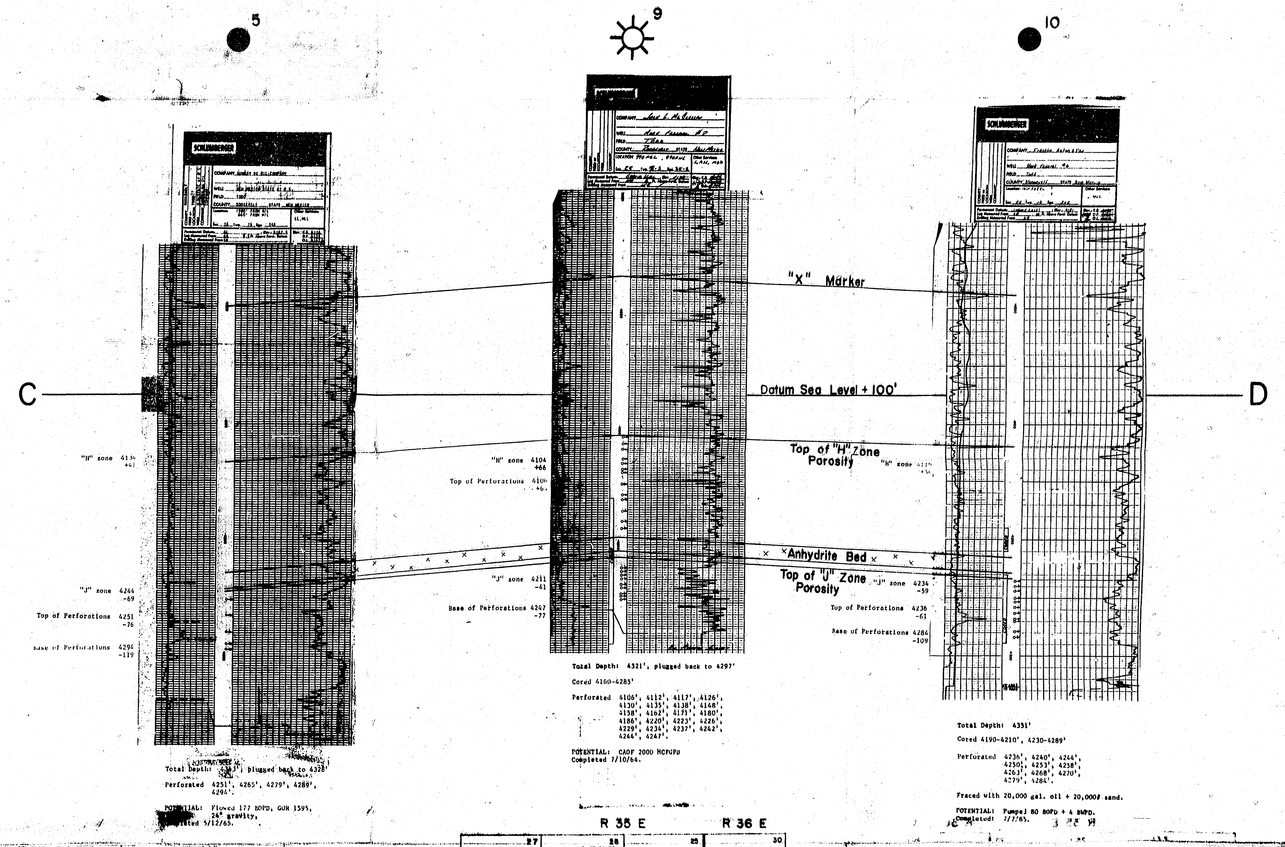

EXHIBIT NO. 6
SUNRAY DX OIL COMPANY
DATE 8-25-65
Ca. 3298

SUNRAY DX OIL COMPANY

Todd San Andres Field
Roosevelt County, New Mexico

STRUCTURAL CROSS SECTION
C - D

N.M.O.C.C. MICROGRAPHICS

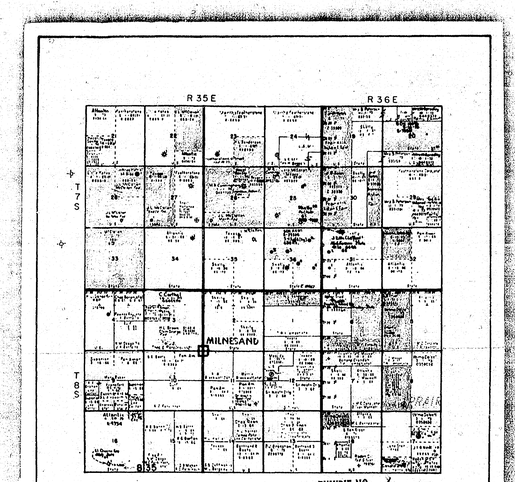

EXHIBIT NO. 7
SUNRAY DX OIL COMPANY
DATE 9-25-65

7AF #2
Cs 3298

SUNRAY DX OIL COMPANY

Todd San Andres Field
Roosevelt County, New Mexico

LAND PLAT

Scale: 1" = 4000'

V.R.N.C.F. MICROGRAPHICS

WEST - EAST CROSS SECTION TODD SAN ANDRES POOL

FRANKLIN, ASTON & FAIR - McCLELLAN FED. 1

FRANKLIN, ASTON & FAIR - TEXACO FED. 1

FRANKLIN, ASTON & FAIR - MARK FED. 1

FRANKLIN, ASTON & FAIR - MARK FED. 2

FRANKLIN, ASTON & FAIR - MARK FED. 4

+100 DATUM

SEA LEVEL

TOP OF SLAUGHTER

ANHYDRITE MARKER

Perforations

PINS

4100

4200

4300

4 1/2"

VICINITY MAP

T 7 S, R 35 E

LEGEND

Perforated Interval Produces Gas

Perforated Interval Produces Oil

Perforated Interval Produced Water

Horizontal Scale: 1" = 500'

7AF Ex 1
Co 3298

C.I. MICROGRAPHICS W.N.M.C.F.
P.O. DRAWER 250
GRANTS, NEW MEXICO 87020

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the reason as follows:

No acknowledgement

Other: Water Damaged Documents

DOCUMENT NUMBER 3298
REEL NUMBER 18
FRAME NUMBER 97-98-99-100-101-102-103-105
DATE 12-14-87
SIGNED OUT BY Lydia Blea

W.N.M.C.F. MICROGRAPHICS

C.I. MICROGRAPHICS M.N.M.C.F.
P.O. DRAWER 250
TUCUMCARI, NEW MEXICO 87088

DOCUMENT WITHDRAWAL SHEET

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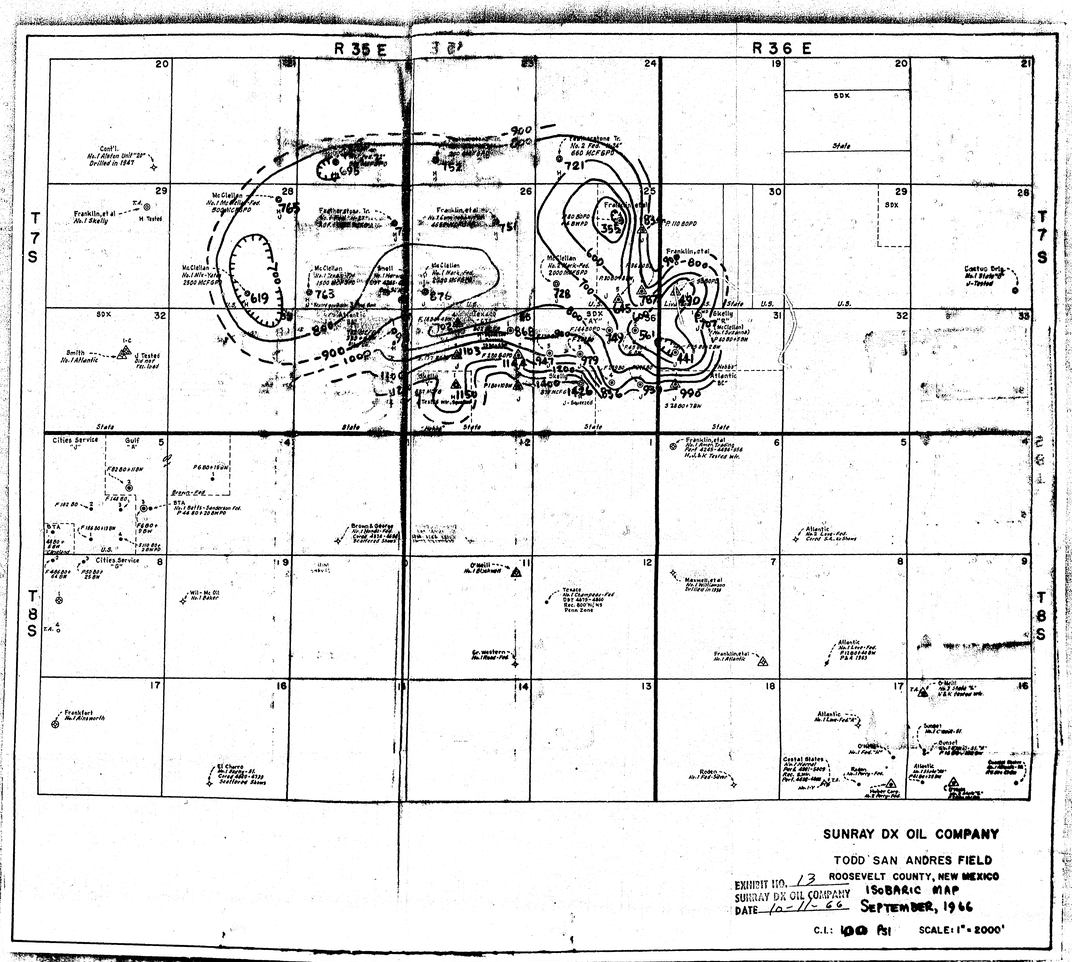
[ ] For acknowledgement

[✓] Other Water Damaged Documents

DOCUMENT NUMBER 33298
REEL NUMBER 18
FRAME NUMBER 97-98-99-100-101-102-103-105-106
DATE 12-14-87
SIGNED OUT BY Lydia Blea



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

C.I. MICROGRAPHICS U.N.M.C.P.

P.O. DRAWER 250

GRANTS, NEW MEXICO 87020

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose as follows:

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-V- Other Water Damaged Documents

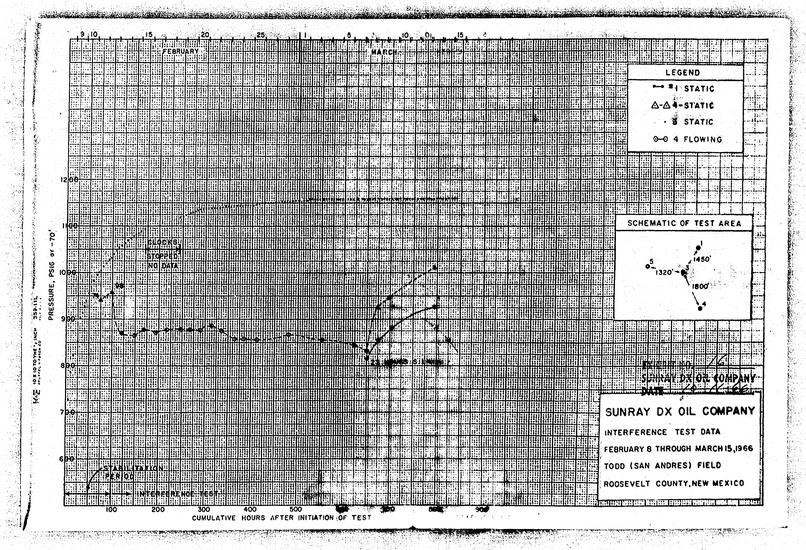
DOCUMENT NUMBER 3293

FEET NUMBER 18

FRAME NUMBER 97-98-99-100-101-102-103-105-106-107

DATE 12-14-87

SIGNED OUT BY Lydia Blea



U.N.M.C.P. MICROGRAPHICS

C.I. MICROGRAPHICS W.N.M.C.F.

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GRANTS, NEW MEXICO 87020

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose as follows:

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✓ Title: Water Damaged Documents

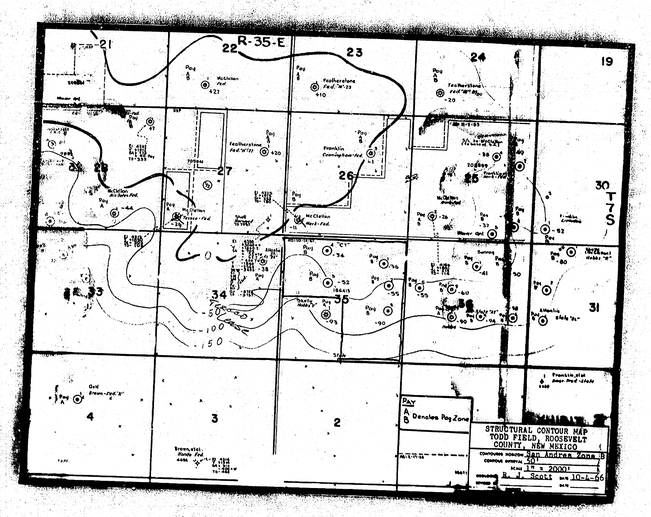
DOCUMENT NUMBER 3298

REEL NUMBER 18

FRAME NUMBER 97-98-99-100-101-102-103-105-106-107

DATE 12-14-87 CODE 108

SIGNED OUT BY Lydia Blea



W.N.M.C.F. MICROGRAPHICS

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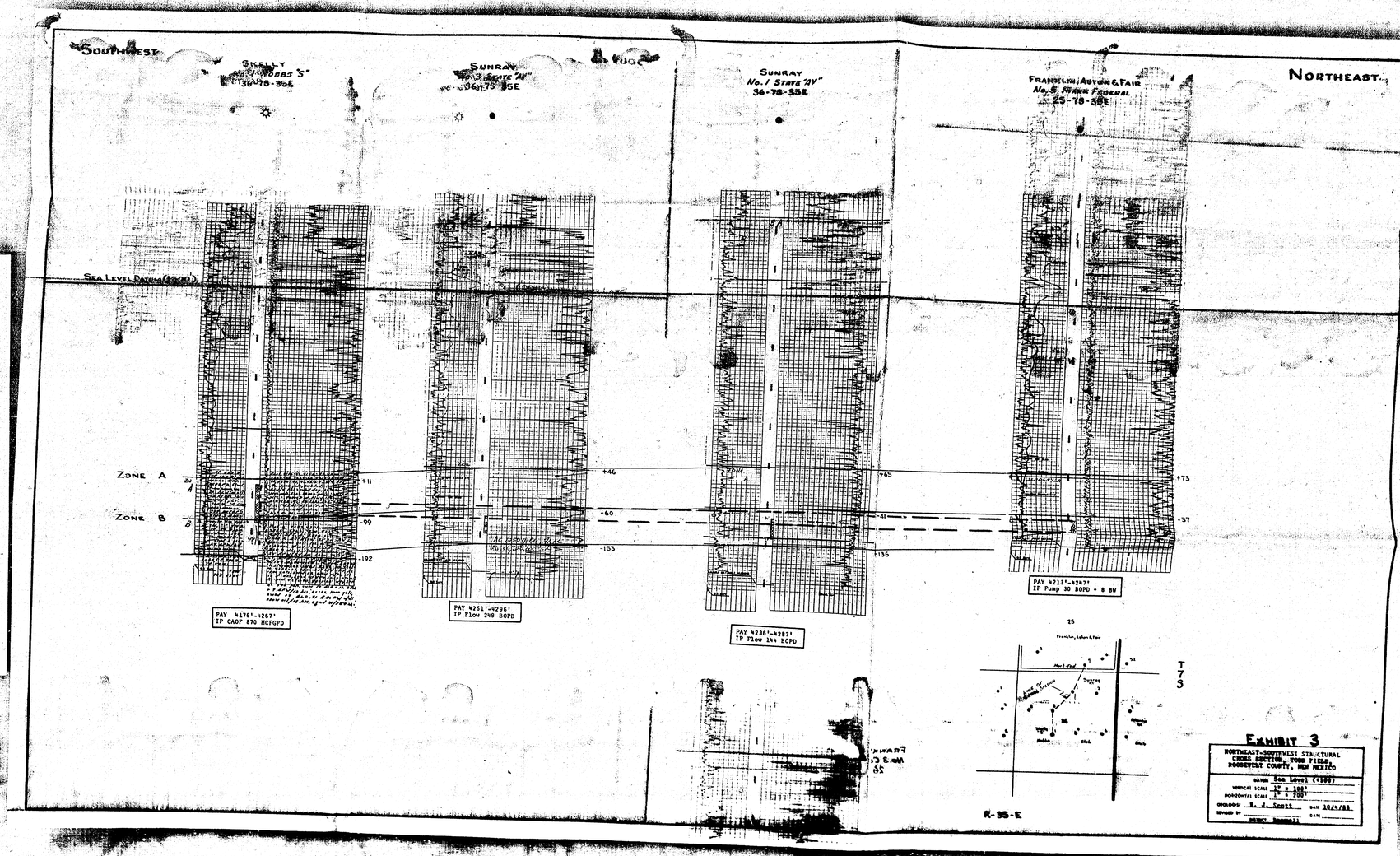
P.O. DRAWER 250
ARTESIA, NEW MEXICO 88210

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose of:
Non-Acknowledgement

✓ Other Water Damaged Documents
DOCUMENT NUMBER 3298
REEL NUMBER 18
FRAME NUMBER 97-98-99-100-101-102-103-105-106-109
DATE 12-14-87 CON. 108-109
SCANNED BY Lydia Blea



V.R.M.C.F. MICROGRAPHICS

NORTHWEST

McCLELLAN
No. 1 FEDERAL "22"
22-7S-35E

FEATHERSTONE
No. 1-27 FEDERAL "H"
27-7S-35E

FRANKLIN, ASTON & FAIR
No. 3 CUNNINGHAM-FED.
26-7S-35E

TEXACO
No. 1 STATE "CF"
35-7S-35E

SEA LEVEL DATUM (1600')

ZONE 7A

ZONE 7B

PAY 4100'-4244'
I. P. CAOF 580 MCFGPD

PAY 4088'-4224'
I. P. CAOF 10,200 MCFGPD

PAY 4088'-4248'
I. P. CAOF 4,650 MCFGPD

PAY 4104'-4243'
I. P. Flow 502 MCFGPD
OWWO - Sqz Perfs 4104'-4243',
Perf. 4235-4278'
I. P. Pump 19 BO + N BWPD

T 7 S
R-35-E

C.I. MICROGRAPHICS W.N.M.C.F.
P.O. DRAWER 250
GRANTS, NEW MEXICO 87020

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose of filming:

No acknowledgement

✓ Other: Water Damaged Documents

DOCUMENT NUMBER 3298
REEL NUMBER 18
FRAME NUMBER 97-98-99-100-101-102-103-105-106-107
DATE 12-14-87 con. 108-109-110
SIGNED OUT BY Lydia Bleu

W.N.M.C.F. MICROGRAPHICS

NOT AVAILABLE FOR

Skelly
No. 1 Hobbs "S"
36-T5S-R35E

Texaco
"No. 1 State "CT"
35-T5S-R35E

Sunray
No. 5 State "AY"
36-T5S-R35E

Southeast
Pennzoil, Aston et al
No. 1 American Trading
6-T5S-R36E

Sea Level Datum (+600')

Zone 7A

Zone 7B

PAY 4104'-4243'
I. P. Flow 502 MCFGPD
GWWO - Sqz Perfs 4104'-4243'
Perf. 4235-4278'
I. P. Pump 19 BO + 4 BWPD

PAY 4253'-4294'
I. P. Flow 177 BOPD

PAY 4176'-4267'
I. P. Flow 897 MCFGPD

Perf. 4460'-4494' Sub.
Salt water wtr. Dead Oil
Perf. 4245-4486' Sub.
Salt water wtr. Sqz

T 7 S

R-35-E

R-36-E

EXHIBIT 4

NORTHWEST-SOUTHEAST STRUCTURAL CROSS SECTION, TODD FIELD, ROOSEVELT COUNTY, NEW MEXICO

Datum Sea Level (+600)
Vertical Scale 1" = 40'
Horizontal Scale 1" = 660'
Geology R. L. Scott Date 10/8/88
Revised By District Roswell Date

C.I. MICROGRAPHICS W.N.M.C.F.
P.O. DRAWER 250
GRANTS, NEW MEXICO 87020

DOCUMENT WITHDRAWN SHEET

The document listed below has been withdrawn for the purpose as follows:

No acknowledgement

Misc. Water Rights Documents
DOCUMENT NUMBER 3293
REEL NUMBER 18
FRAME NUMBER 97-98.99.100.101.102.103.105.106.107
DATE 12-14-87 cont. 108.109-110-111
SCANNED OUT BY Lydia Bleu

V.N.M.C.F. MICROGRAPHICS

C.I. MICROGRAPHICS N.M.O.C.C.

P.O. DRAWER 2088

SANTA FE, NEW MEXICO 87501

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose as follows:

____ Re: Acknowledgement

✓ Other: Water Damaged Documents

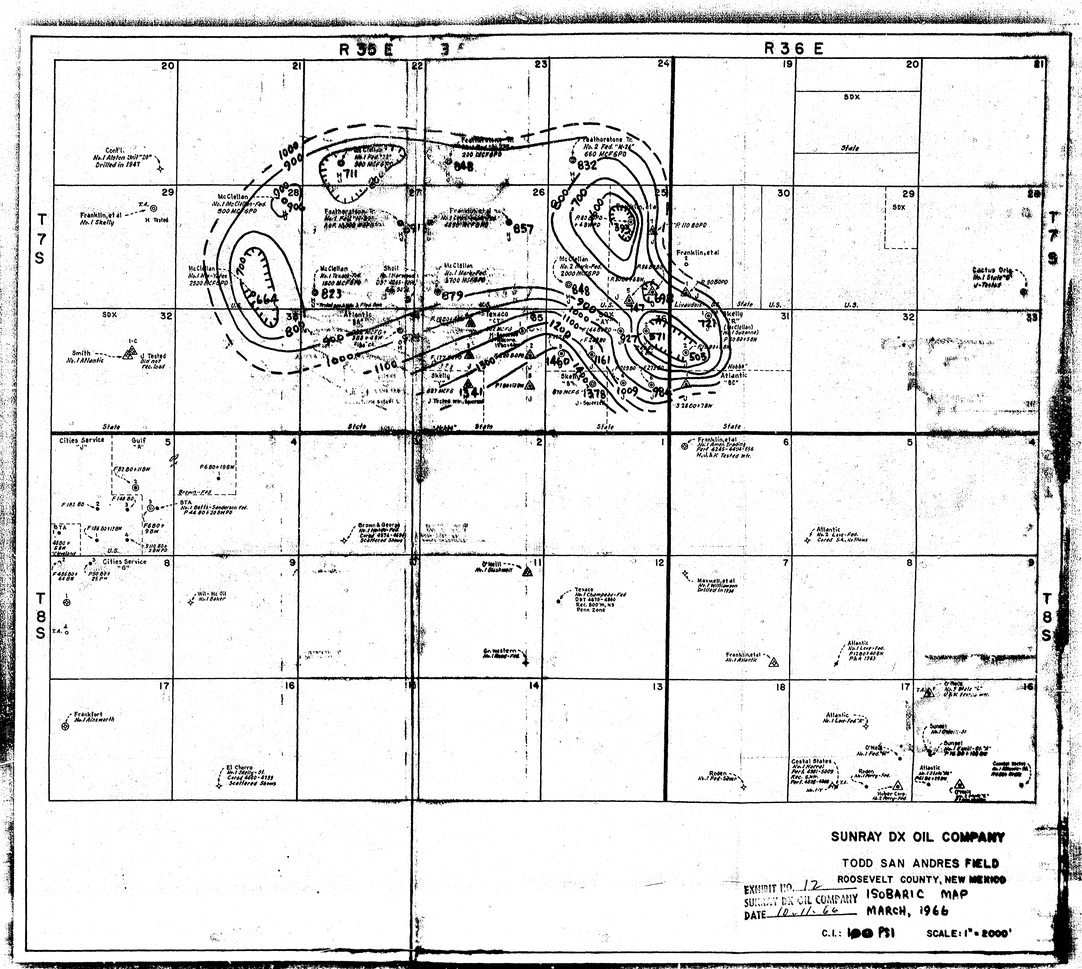
DOCUMENT NUMBER 3298

REEL NUMBER 18

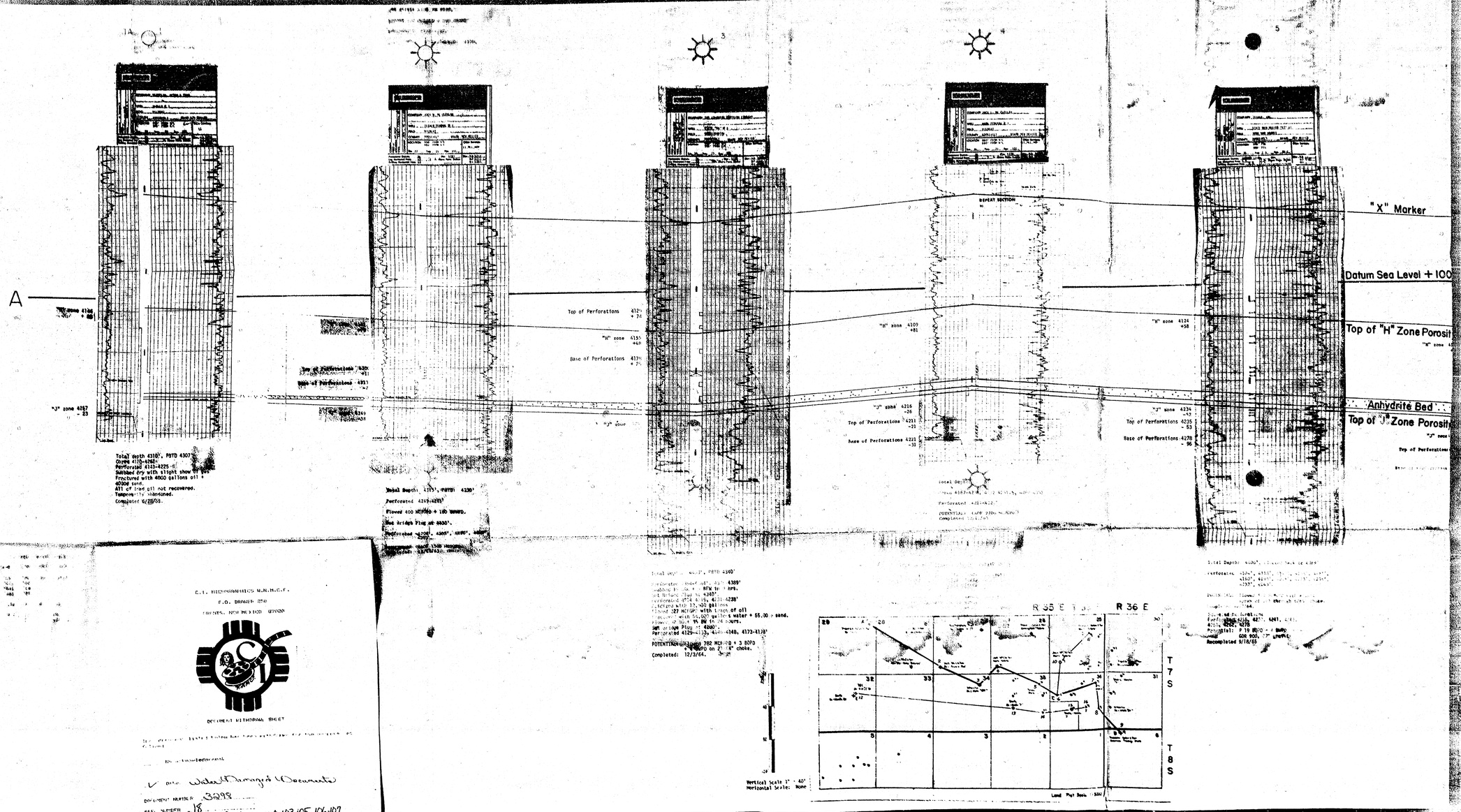
FRAME NUMBER 97-98-99-100-101-102-103-105-106-107

DATE 12-14-87 con. 108-109-110-111-112.

SIGNED OUT BY Judie Bles



U.S.G.S. PHOTOGRAPHIC



N.M.O.C.C.
P.O. DRAWER DD
ARTESIA, NEW MEXICO 88210

DOCUMENT WITHDRAWAL SHEET

Unclassified

Water Damaged Documents

DOCUMENT NUMBER 3298
REEL NUMBER 18
ITEMS NUMBER 97-98-99-100-101-102-103-105-106-107
DATE 12-14-87 con. 108-109-110-111-112
SIGNED OUT BY Lydia Blea con. 113

U.S.G.S. MICROGRAPHICS

"X" Marker

Datum Sea Level + 100'

Top of "H" Zone Porosity

Anhydrite Bed

Top of "J" Zone Porosity

B

R 36 E

T 7 S

T 8 S

C.I. MICROGRAPHICS W.N.M.C.F.
P.O. DRAWER 250
GRANTS, NEW MEXICO 87020

DOCUMENT WITHDRAWAL SHEET

The document listed below has been withdrawn for the purpose as follows:

No Acknowledgement

✓ Other Withdrawn Damaged Document

DOCUMENT NUMBER 3298
REEL NUMBER 18
FRAME NUMBER 97-98.99-100.101-102-103.105-106-107
DATE 12-14-87 con: 108-109-110-111-112
SIGNED OUT BY Lydia Blea con 113-114

EXHIBIT NO. 5
SUNRAY DX OIL COMPANY
DATE 10-11-66

SUNRAY DX OIL COMPANY

Todd San Andres Field
Roosevelt County, New Mexico

STRUCTURAL CROSS SECTION

A - B

W.N.M.C.F. MICROGRAPHICS

C.I. MICROGRAPHICS W.N.M.C.F.
P.O. DRAWER 250
CORRITS, NEW MEXICO 87020

DOCUMENT DETERMINAL SHEET

The document listed below has been withdrawn for the purpose as follows:

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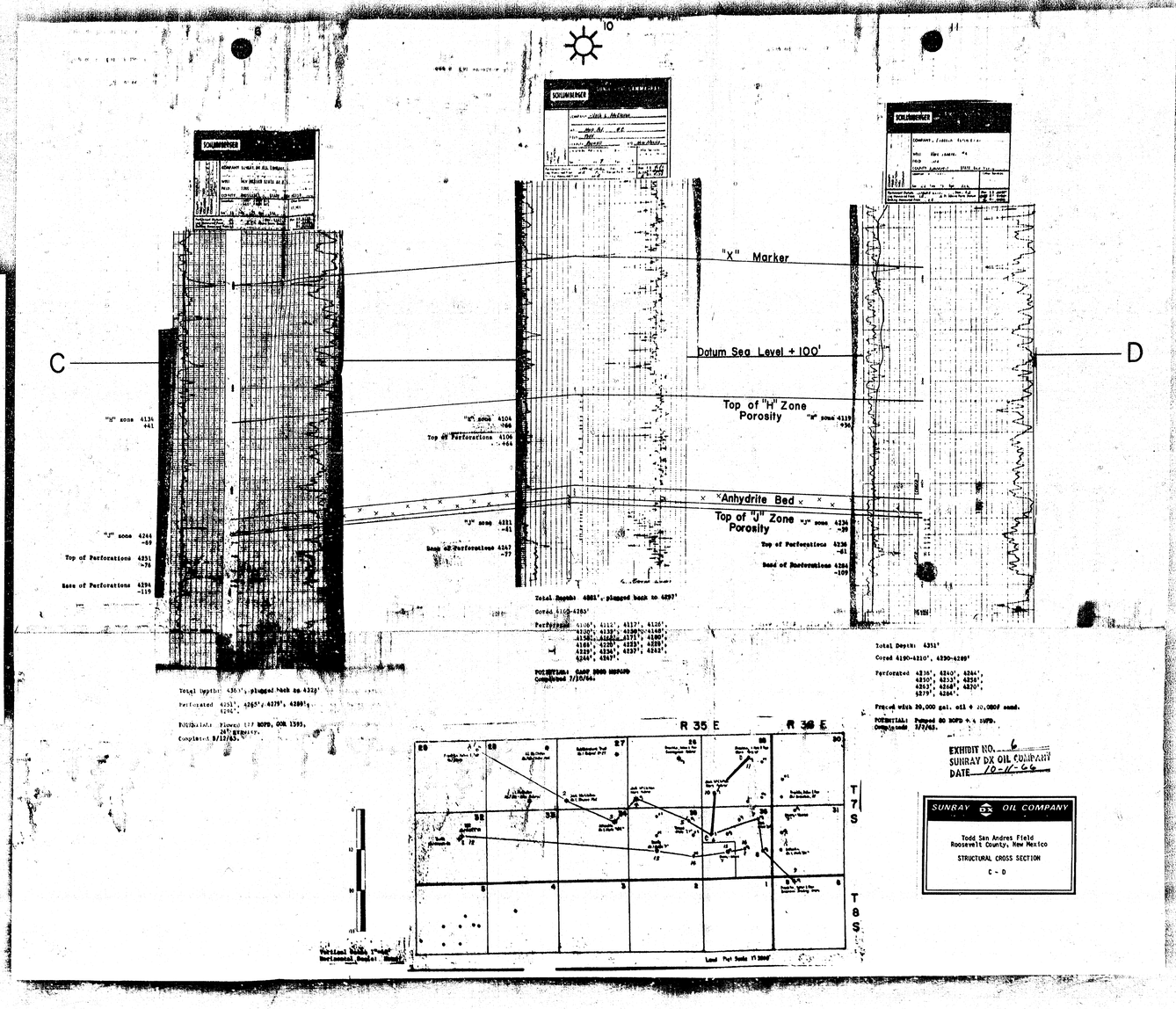
✓ Other Water Damaged Documents

DOCUMENT NUMBER 3898
REEL NUMBER 18
FRAME NUMBER 97-98.99-100.101-102-103.105.106-107
DATE 12-14-87 con. 108.109-110-111-112
SIGNED OUT BY Lydia Blea con 113-114-115



W.N.M.C.F. MICROGRAPHICS
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