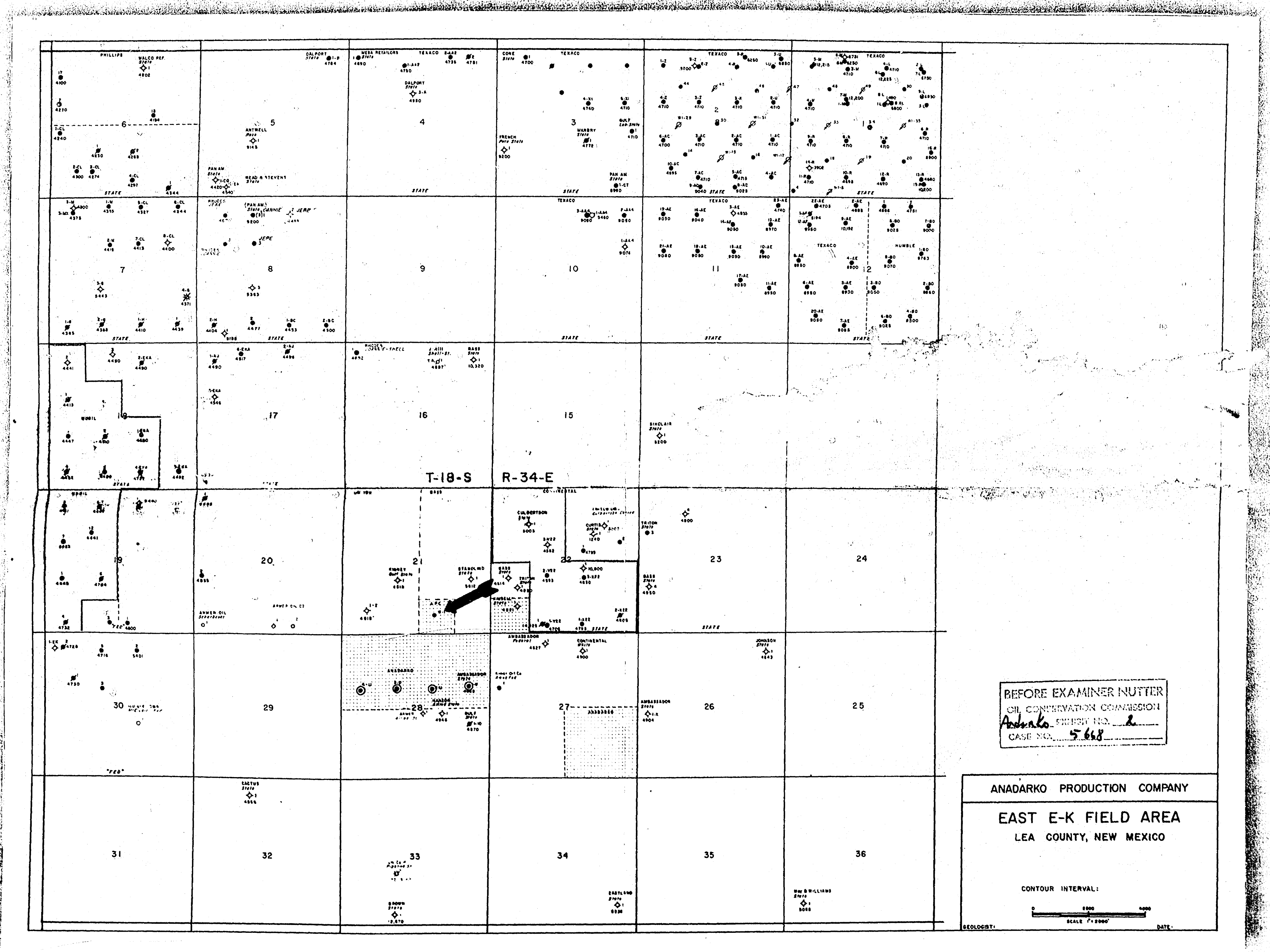
Case No.
5668

Large Exhibits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BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Anadarko EXHIBIT NO. 2
CASE NO. 5668

ANADARKO PRODUCTION COMPANY

EAST E-K FIELD AREA
LEA COUNTY, NEW MEXICO

CONTOUR INTERVAL:

0 2000 4000
SCALE 1"=2000'

GEOLOGIST:
DATE:

✓ Water Damaged Documents
DOCUMENT NUMBER 5668
REEL NUMBER # 39
FRAME NUMBER # 306
DATE 1-13-88
Hernandez

V.R.M.C.F. MICROGRAPHICS

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DresserAtlas

BHC *Acoustilog*

FILE NO.	
COMPANY	ANADARKO PRODUCTION COMPANY
WELL	NEW MEXICO STATE "W" NO. 1
FIELD	E. K. QUEEN EAST
COUNTY	LEA
STATE	NEW MEXICO
LOCATION:	660'FSL & 1980'FEL
SEC	21
TWP	18-S
RGE	34-E

Other Services
SWN/GR
CDL/GR
L/L
ML/C-C

Permanent Datum GROUND LEVEL Elev. 4024
Log Measured from K. B. 9 Ft. Above Permanent Datum
Drilling Measured from K. B.

Elevations
KB 4033
DF
GL 4024

Date	3-1-73			
Run No.	ONE			
Depth—Driller	4900			
Depth—Logger	4881			
Bottom Logged Interval	4878			
Top Logged Interval	SURFACE			
Casing—Driller	8 5/8 @ 413	@	@	@
Casing—Logger				
Bit Size	7 7/8"			
Type Fluid in Hole	SALT GEL 13% OIL	@	@	@
Density and Viscosity	10.2 | 97			
pH and Fluid Loss	7.0 | 4.0 cc	cc	cc	cc
Source of Sample	PIT			
Rm @ Meas. Temp.	.063 @ 64 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.047 @ 64 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	.078 @ 64 °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	MEAS. | MEAS.			
Rm @ BHT	.037 @ 110 °F	@ °F	@ °F	@ °F
Time Since Circ.	20 HOURS			
Max. Rec. Temp. Deg. F.	110 °F	°F	°F	°F
Equip. No. and Location	6028 | HOBBS			
Recorded By	MC ATEE			
Witnessed By	MR. HOWARD			

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP 31

REMARKS DID NOT RUN CALIPER DUE TO HOLE CONDITIONS.

Equipment Used

Run No.	ONE
S O	35025
Tool No.	SEE BELOW
Elec. No.	SEE BELOW
Panel No.	24285-4905-26541 (4889-20)

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

Changes in Mud Type or Additional Samples

Date Sample No.		
Depth-Driller		
Type Fluid in Hole		
Dens. Visc.		
pH Fluid Loss	cc	cc
Source of Sample		
Rm @ Meas. Temp.	@ °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F
Source Rmf Rmc		
Rm @ BHT	@ °F	@ °F
Rmf @ BHT	@ °F	@ °F
Rmc @ BHT	@ °F	@ °F

Equipment Data

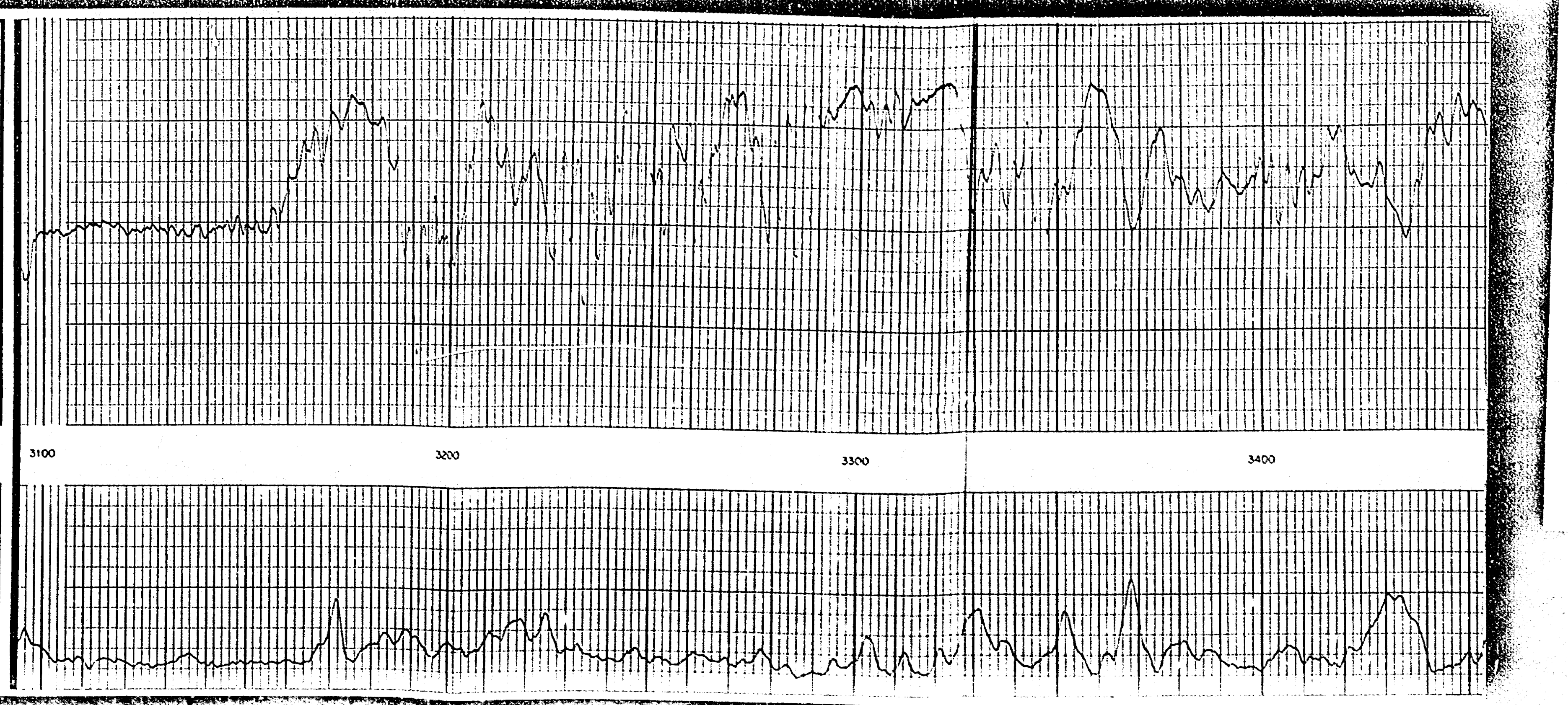
Run No.	Tool Type	Pad Type	Tool Position	Other
ONE	625-HT2-272		CENTRALIZED	
ONE	120-60			

ACOUSTILOG
T₁ 3 R₁ 2 R₂ T₂

SPECIFIC ACOUSTIC TIME
Micro Seconds Per Foot
100 85 70 55 40

DEPTH
5"=100'
LR
3100'

S.P. or G/R & Caliper
Millivolts
10 API/CD
− +
API 100 API
HOLE SIZE - INCHES
7 9 11 13 15



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REEL NUMBER # 39
FRAME NUMBER # 306-307
DATE 1-13-88
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✓ Water Damaged Documents
5668
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1-13-88
Hernandez

V.N.H.C.F. MICROGRAPHICS
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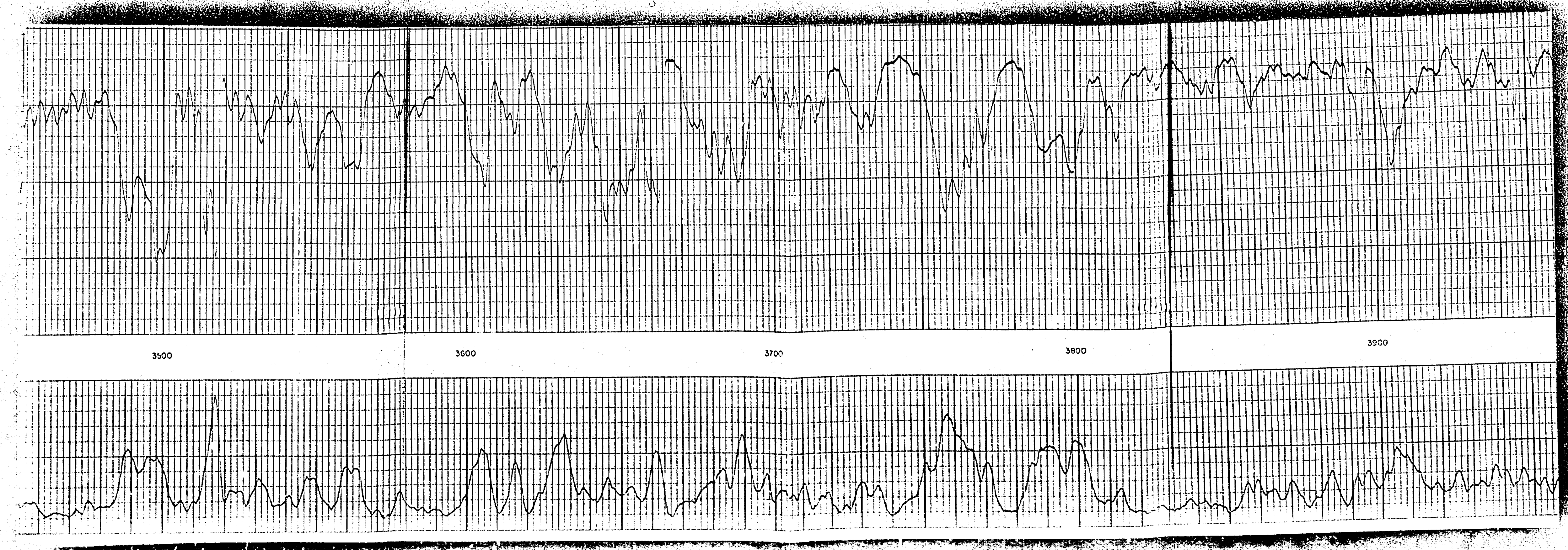

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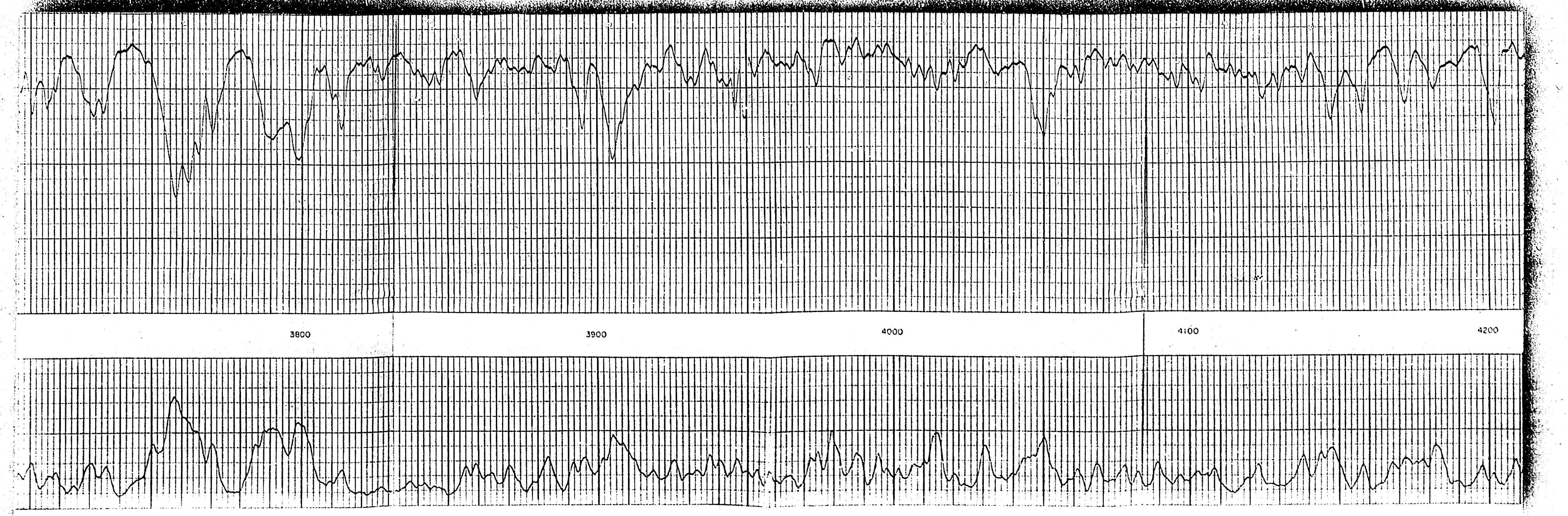

✓ Water Damaged Documents
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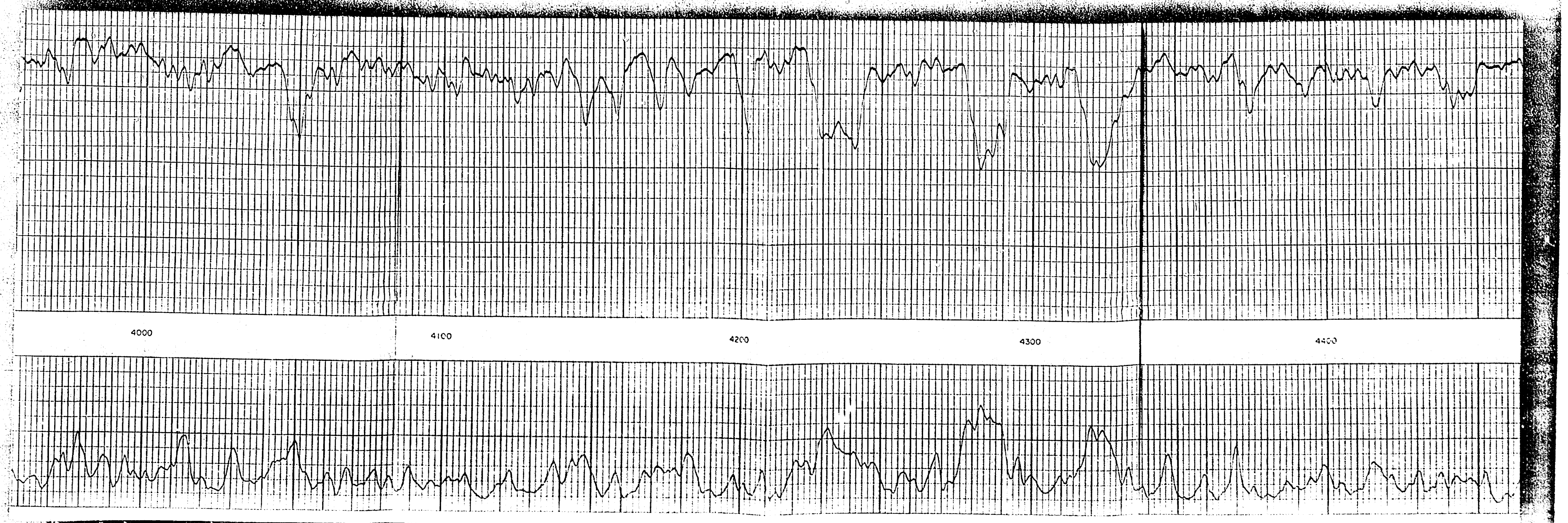
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Water Damaged Documents

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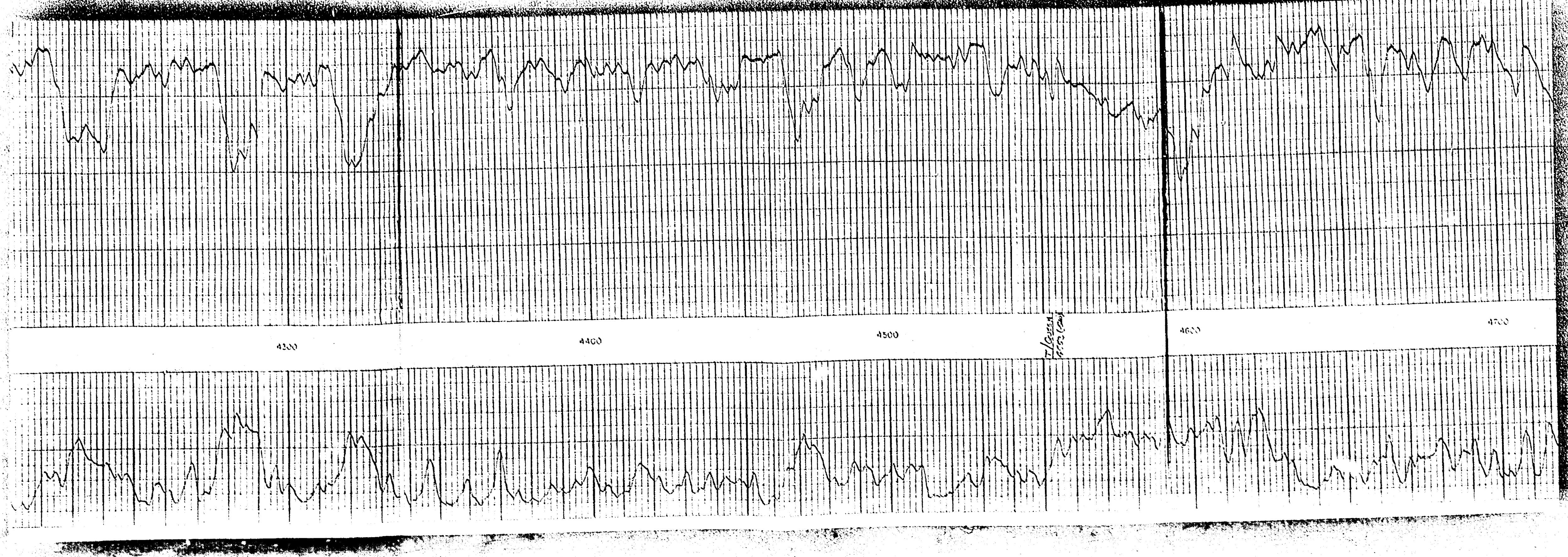
# 306-307-308-309-310-311

DATE 1-13-88

Hernandez



✓ Water Damaged Documents

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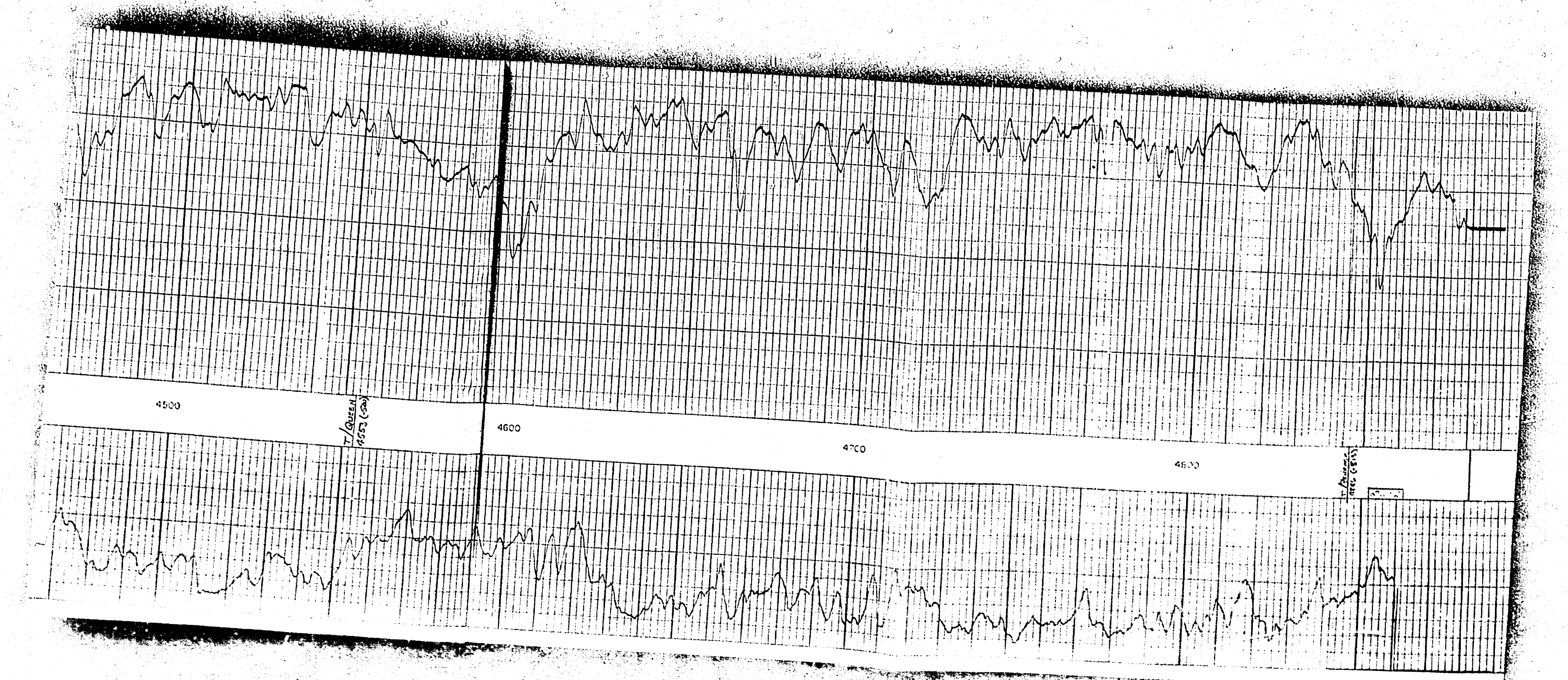
1-13-88

Hernandez



✓ Water Damaged Documents

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306-307-308-309-310-311-312-313

1-13-88

Hernandez

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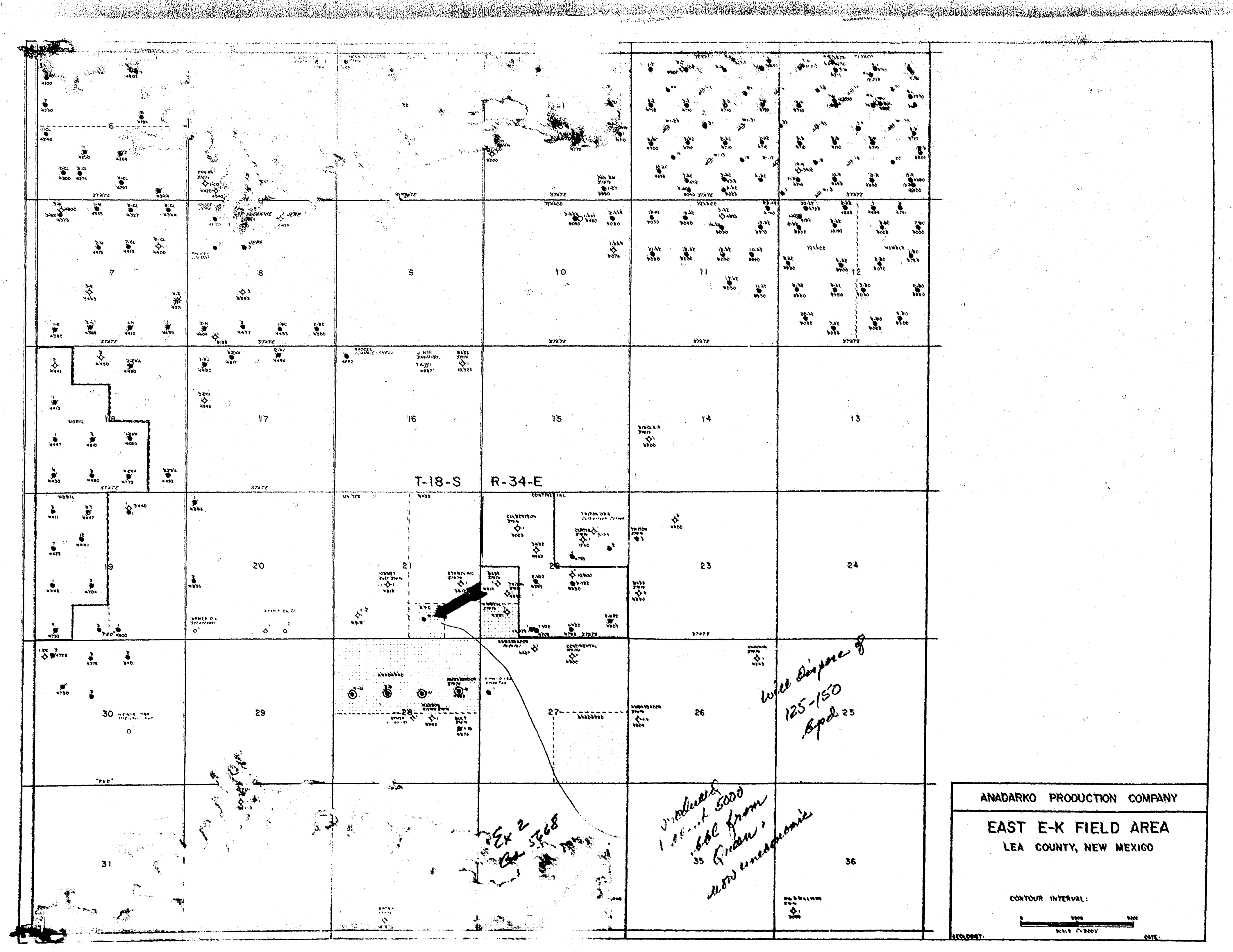
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ANADARKO PRODUCTION COMPANY
EAST E-K FIELD AREA
LEA COUNTY, NEW MEXICO
CONTOUR INTERVAL:
GEOLOGIST:
DATE:

Ex 2
Cs 5868

Will dispose of
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Water Damaged Documents
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# 306-307-308-309-310-311-312-313
1-13-88
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N.M.N.C.F. MICROGRAPHICS
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P.O. DRAWER 850
GRANTS, NEW MEXICO 87020

DOCUMENT WITHDRAWAL SHEET

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___ No acknowledgement

✓ Other Water Damaged Documents

DOCUMENT NUMBER 5668
REEL NUMBER # 39
FRAME NUMBER # 306-307-308-309-310-311-312-313
DATE 1-13-88
SIGNED OUT BY Hernandez

314-315

DresserAtlas

BHC
Acoustilog

FILE NO.

Ex 4
Cx 5668

COMPANY ANADARKO PRODUCTION COMPANY
WELL NEW MEXICO STATE "W" NO. 1
FIELD E. K. QUEEN EAST
COUNTY LEA STATE NEW MEXICO
LOCATION: 660'FSL & 1980'FEL
SEC 21 TWP 18-S RGE 34-E

Other Services
SWN/GR
CDL/GR
L/L
ML/C-C

Permanent Datum GROUND LEVEL Elev 4024
Log Measured from K. B. 9 Ft. Above Permanent Datum
Drilling Measured from K. B.

Elevations
KB 4033
DF
GL 4024

Date	3-1-73		
Run No	ONE		
Depth—Driller	4900		
Depth—Logger	4881		
Bottom Logged Interval	4878		
Top Logged Interval	SURFACE		
Casing—Driller	8 5/8" 413	@	@
Casing—Logger			
Bit Size	7 7/8"		
Type Fluid in Hole	SALT GEL 13% OIL		
Density and Viscosity	10.2 97		
pH and Fluid Loss	7.0 4.0 cc	cc	cc
Source of Sample	PIT		
Rm @ Meas. Temp.	.063 @ 64 °F	@ °F	@ °F
Rmf @ Meas. Temp.	.047 @ 64 °F	@ °F	@ °F
Rmc @ Meas. Temp.	.078 @ 64 °F	@ °F	@ °F
Source of Rmf and Rmc	MEAS. MEAS.		
Rm @ BHT	.037 @ 110 °F	@ °F	@ °F
Time Since Circ.	20 HOURS		
Max. Rec. Temp. Deg. F	110 °F	°F	°F
Equip. No. and Location	6028 HOBBS		
Recorded By	MC ATEE		
Witnessed By	MR. HOWARD		

REMARKS DID NOT RUN CALIPER DUE TO HOLE CONDITIONS.

Equipment Used

Run No.	ONE
S.O.	35025
Tool No.	SEE BELOW
Elec. No.	SEE BELOW
Panel No.	24285-4905-26541 (4889-20)

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

Equipment Data

Run No.	Tool Type	Pad Type	Tool Position	Other
ONE	625-HT2-222		CENTRALIZED	
ONE	420-60			

Changes in Mud Type or Additional Samples

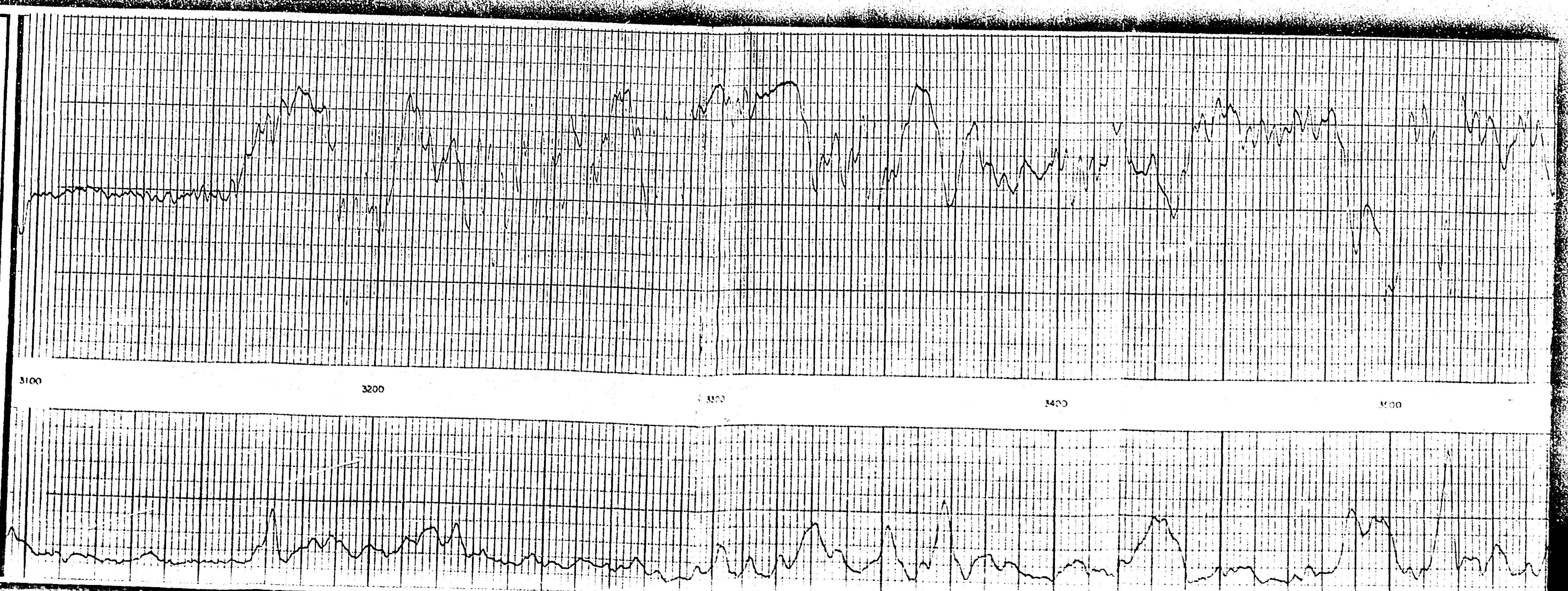
Date Sample No.		
Depth—Driller		
Type Fluid in Hole		
Dens. Visc.		
pH Fluid Loss	cc	cc
Source of Sample		
Rm @ Meas. Temp.	@ °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F
Source Rmf Rmc		
Rm @ BHT	@ °F	@ °F
Rmf @ BHT	@ °F	@ °F
Rmc @ BHT	@ °F	@ °F

S.P. or G/R & Caliper
Millivolts
10 API/CD
− ⟷ +
0 API 100 API
HOLE SIZE - INCHES
7 9 11 13 15

DEPTH
5"=100'
LR
3100'

ACOUSTILOG
T1 2 R1 - R2 — T2

SPECIFIC ACOUSTIC TIME
Micro Seconds Per Foot
100 85 70 55 40



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P.O. DRAWER 250
GRANTS, NEW MEXICO 87020

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✓ Other Water Damaged Documents

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FRAME NUMBER # 306-307-308-309-310-311-312-313
DATE 1-13-88
SIGNED OUT BY Hernandez

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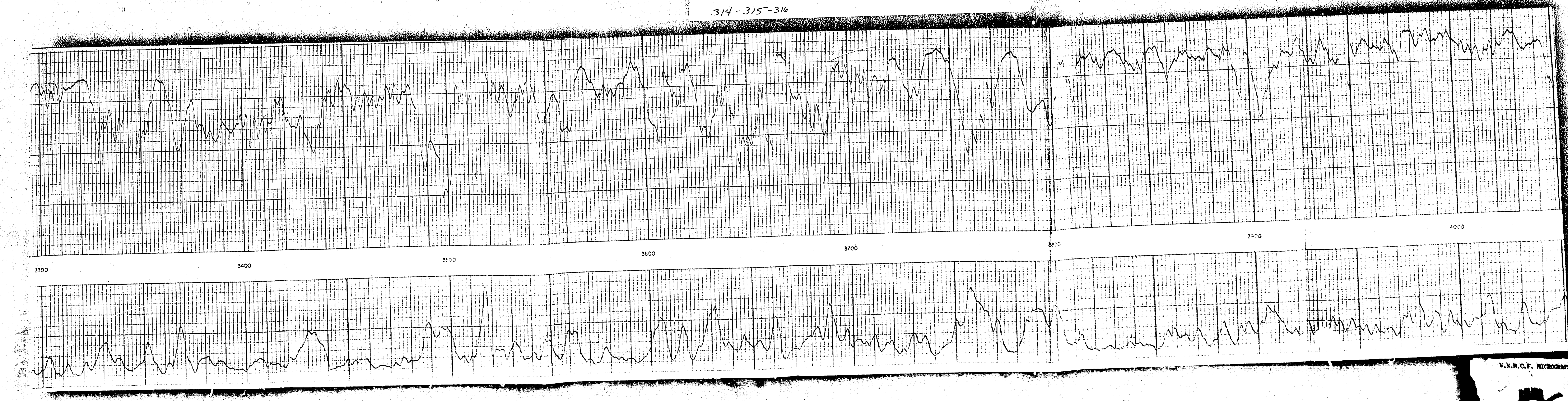

W.N.M.C.F. MICROGRAPHICS

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✓ Water Damaged Documents

DOCUMENT NUMBER 36668

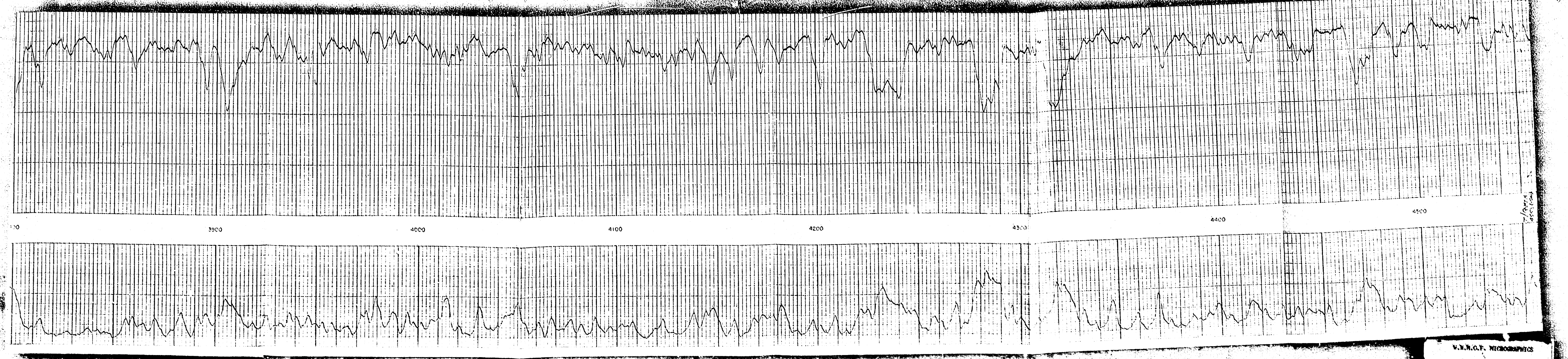
REEL NUMBER # 39

FRAME NUMBER # 306-307-308-309-310-311-312-313

DATE 1-13-88

SIGNED OUT BY Hernandez

314-315-316-317



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✓ Other Water Damaged Documents

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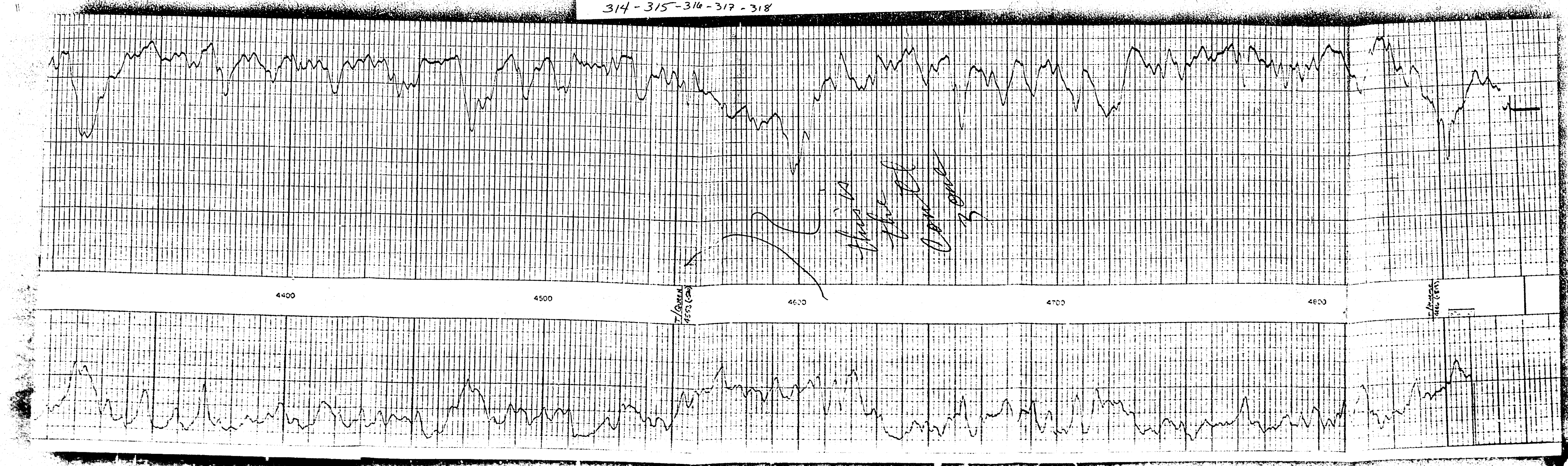
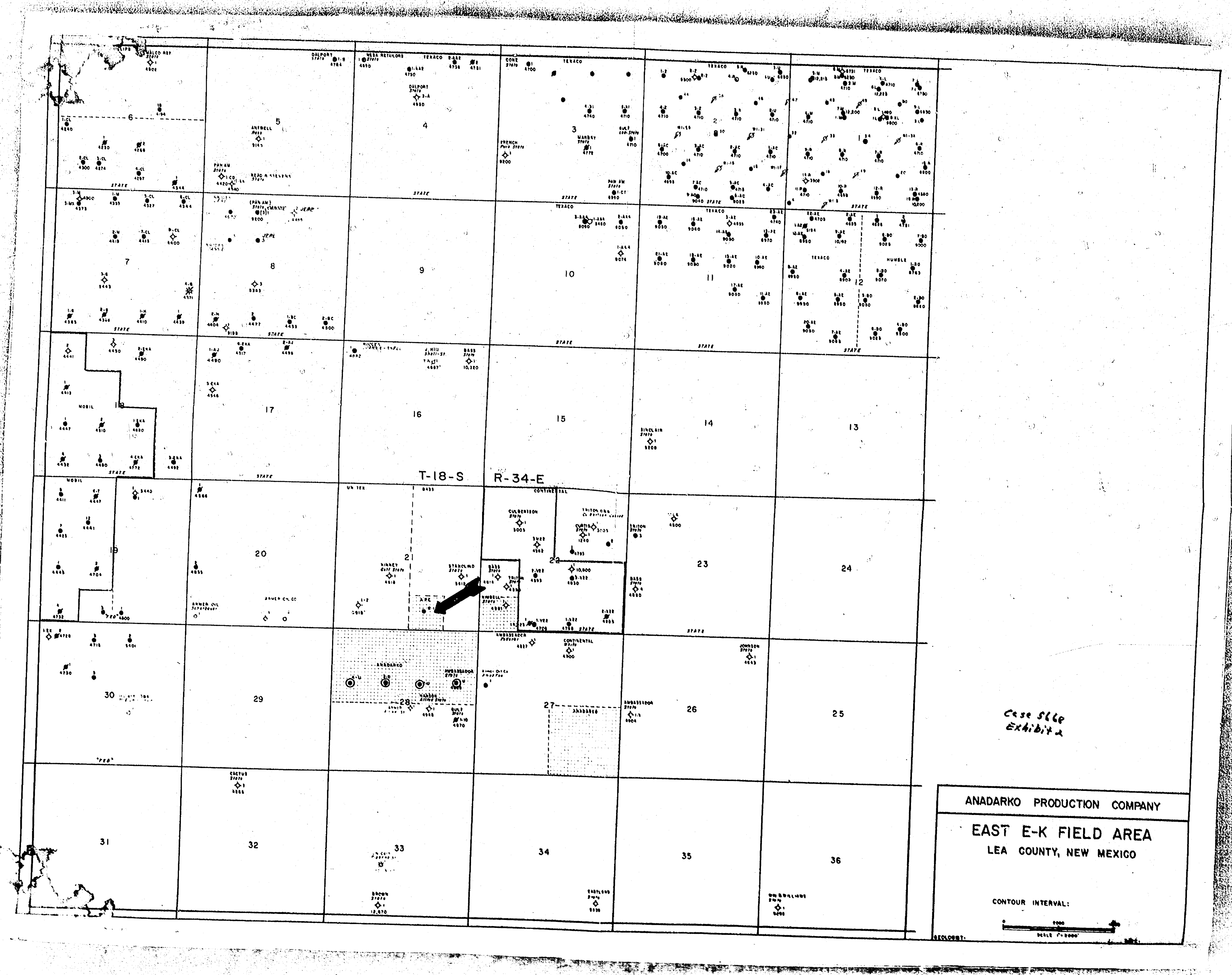
REEL NUMBER # 39
FRAME NUMBER # 306-307-308-309-310-311-312-313
DATE 1-13-88
SIGNED OUT BY Hernandez

314-315-316-317-318

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STATE

Case 5668
Exhibit 2

ANADARKO PRODUCTION COMPANY

EAST E-K FIELD AREA
LEA COUNTY, NEW MEXICO

CONTOUR INTERVAL:

GEOLOGIST:

Water Damaged Documents

5668

39

306-307-308-309-310-311-312-313

1-13-88

Hernandez

314-315-316-317-318-319

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P.O. DRAWER 250
GRANTS, NEW MEXICO 87020

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✓ Other Water Damaged Documents

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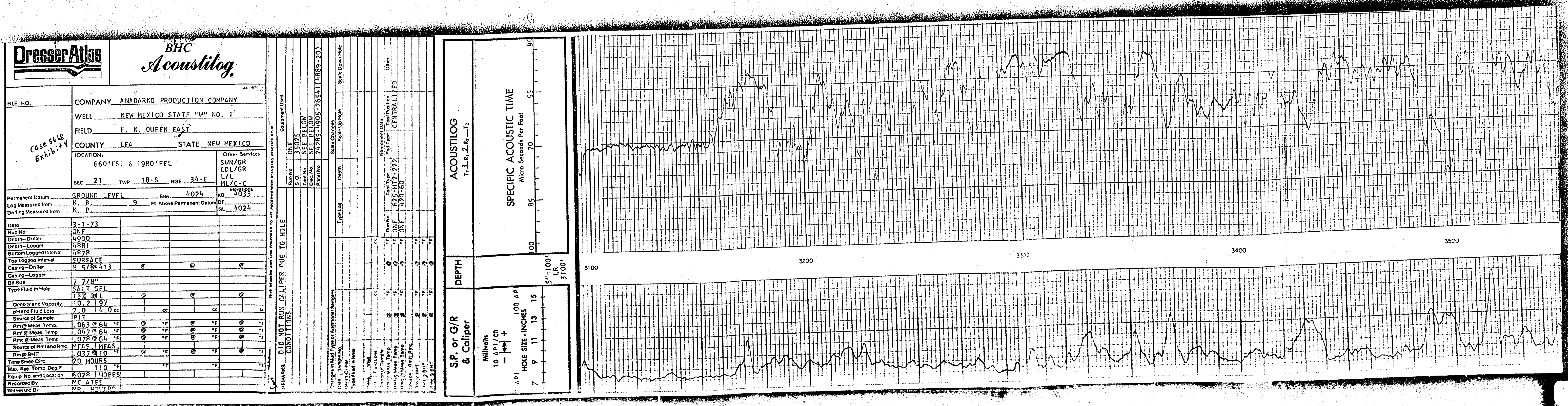
REEL NUMBER # 39
FRAME NUMBER # 306-307-308-309-310-311-312-313
DATE 1-13-88
SIGNED OUT BY Hernandez

314-315-316-317-318-319-320



Dresser Atlas

BHC Acoustilog

Case 5668
Exhibit 4

FILE NO.	
COMPANY	ANADARKO PRODUCTION COMPANY
WELL	NEW MEXICO STATE "W" NO. 1
FIELD	E. K. QUEEN EAST
COUNTY	LEA
STATE	NEW MEXICO
LOCATION:	660'FSL & 1980'FEL
SEC	21
TWP	18-S
RGE	34-E
Other Services	SWN/GR CDL/GR L/L ML/C-C
Permanent Datum	GROUND LEVEL
Elev.	4024
Log Measured from	K. B. 9 Ft. Above Permanent Datum
Drilling Measured from	K. B.
Elevations KB	4033
DF	
GL	4024

Date	3-1-73			
Run No	ONE			
Depth—Driller	4900			
Depth—Logger	4881			
Bottom Logged Interval	4878			
Top Logged Interval	SURFACE			
Casing—Driller	8 5/8@ 413	@	@	@
Casing—Logger				
Bit Size	7 7/8"			
Type Fluid in Hole	SALT GEL 13% OIL	@	@	@
Density and Viscosity	10.2 | 97			
pH and Fluid Loss	7.0 | 4.0 cc	cc	cc	cc
Source of Sample	PIT			
Rm @ Meas. Temp.	.063 @ 64 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	.047 @ 64 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	.078 @ 64 °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	MEAS. | MEAS.			
Rm @ BHT	.037 @ 110 °F	@ °F	@ °F	@ °F
Time Since Circ.	20 HOURS			
Max. Rec. Temp. Deg. F.	110 °F	°F	°F	°F
Equip. No. and Location	6028 | HOBBS			
Recorded By	MC ATEE			
Witnessed By	MR. HOWARD			

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-31

REMARKS DID NOT RUN CALIPER DUE TO HOLE CONDITIONS.

Equipment Used

Run No.	ONE
S.O.	35025
Tool No.	SEE BELOW
Elec. No.	SEE BELOW
Panel No.	24285-4905-26541(4889-20)

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

Equipment Data

Run No.	Tool Type	Pad Type	Tool Position	Other
ONE	625-HT2-222		CENTRALIZED	
ONE	420-60			

Changes in Mud Type or Additional Samples

Date / Sample No.		
Depth-Driller		
Type Fluid in Hole		
Dens. / Visc.		
pH / Fluid Loss	cc	cc
Source of Sample		
Rm @ Meas. Temp.	@ °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F
Source Rmf / Rmc		
Rm @ BHT	@ °F	@ °F
Rmf @ BHT	@ °F	@ °F
Rmc @ BHT	@ °F	@ °F

ACOUSTILOG
T1 3 R1 2 R2 — T2

SPECIFIC ACOUSTIC TIME
Micro Seconds Per Foot

DEPTH
5"-100'
LR
3100'

S.P. or G/R & Caliper
Millivolts
10 API/CD
— +
100 AP
HOLE SIZE - INCHES

W.N.M.C.F. MICROGRAPHICS

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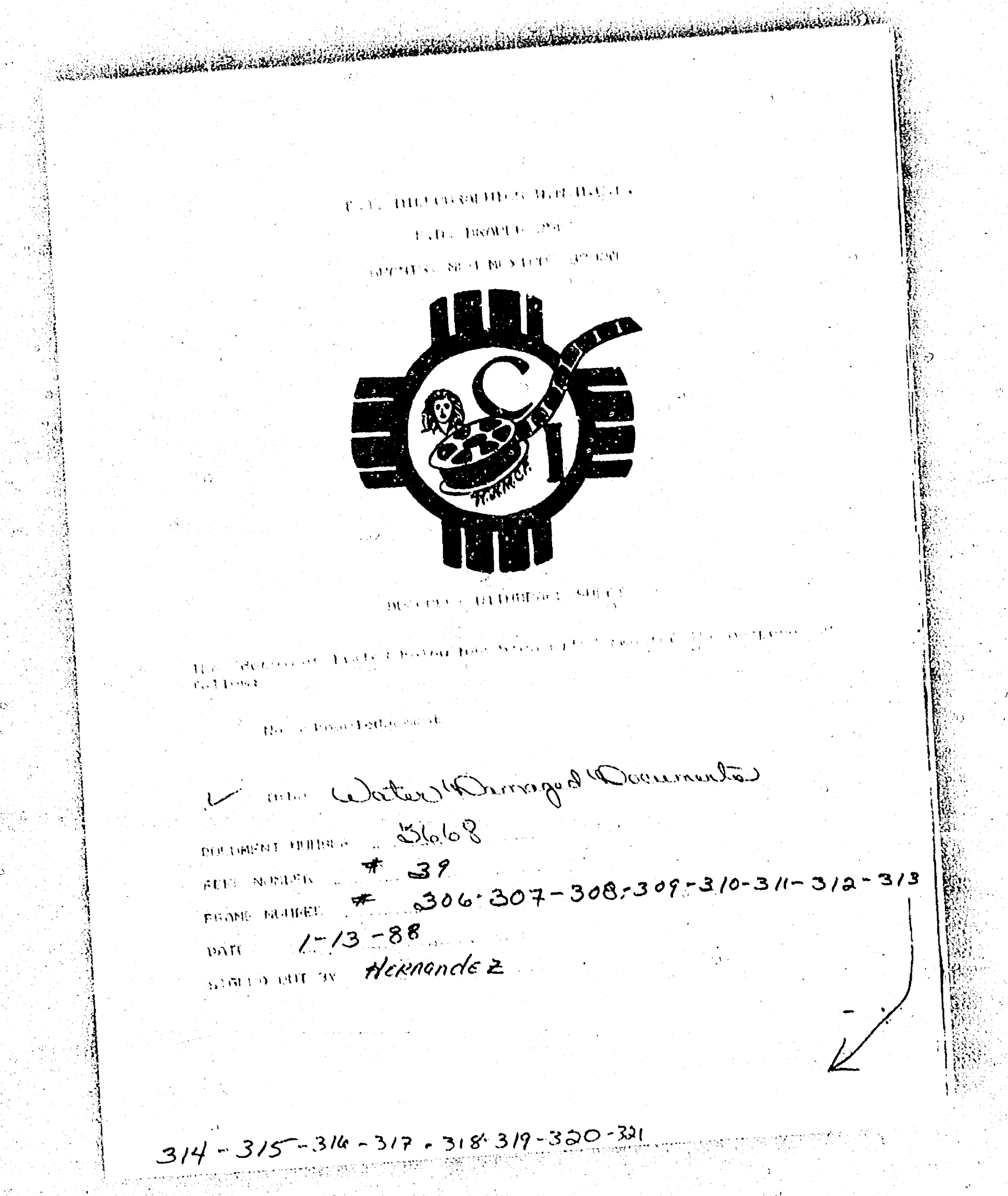

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✓ [illegible] Water Damaged Documents

DOCUMENT NUMBER 3668

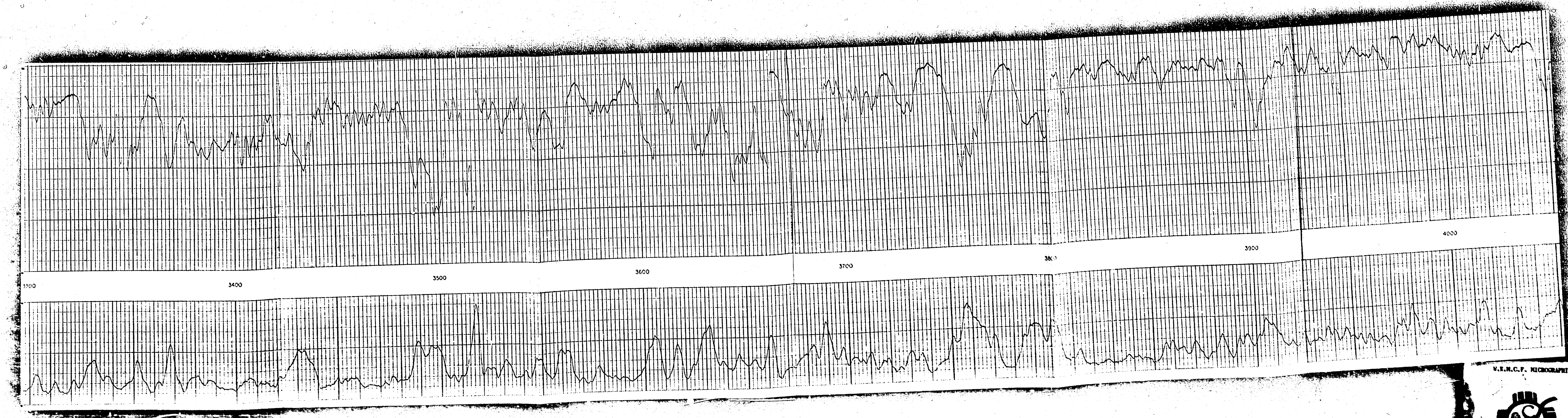
REEL NUMBER # 39

FRAME NUMBER # 306-307-308-309-310-311-312-313

DATE 1-13-88

[illegible] Hernandez

314-315-316-317-318-319-320-321



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

DOCUMENT WITHDRAWN SHEET

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✓ Title: Water Damaged Documents

DOCUMENT NUMBER 5668
REEL NUMBER # 39
FRAME NUMBER # 306-307-308-309-310-311-312-313
DATE 1-13-88
SIGNED OUT BY Hernandez

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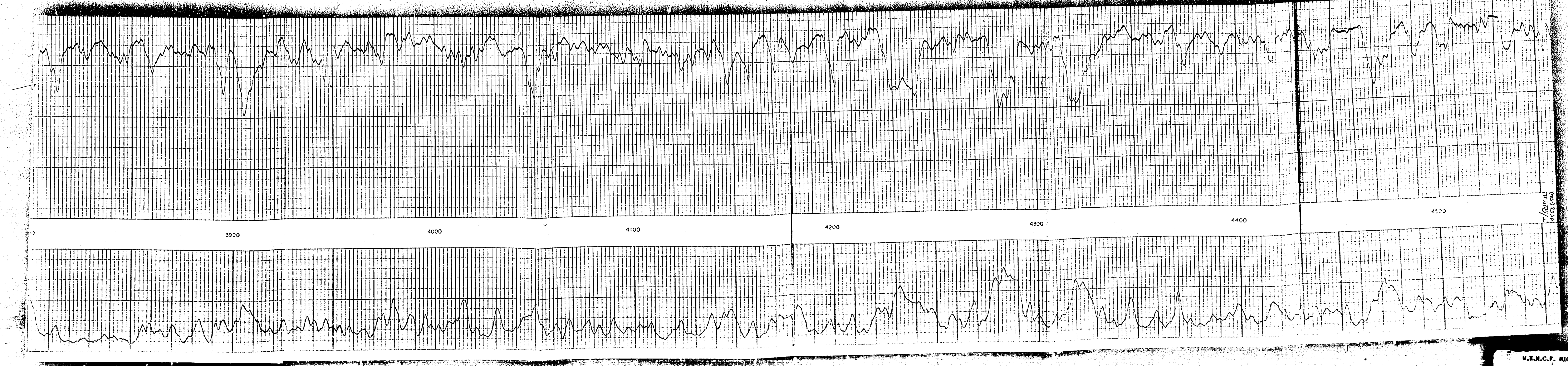

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✓ Water Damaged Documents

DOCUMENT NUMBER 5668

REEL NUMBER # 39

FRAME NUMBER # 306-307-308-309-310-311-312-313

DATE 1-13-88

SIGNED OUT BY Hernandez

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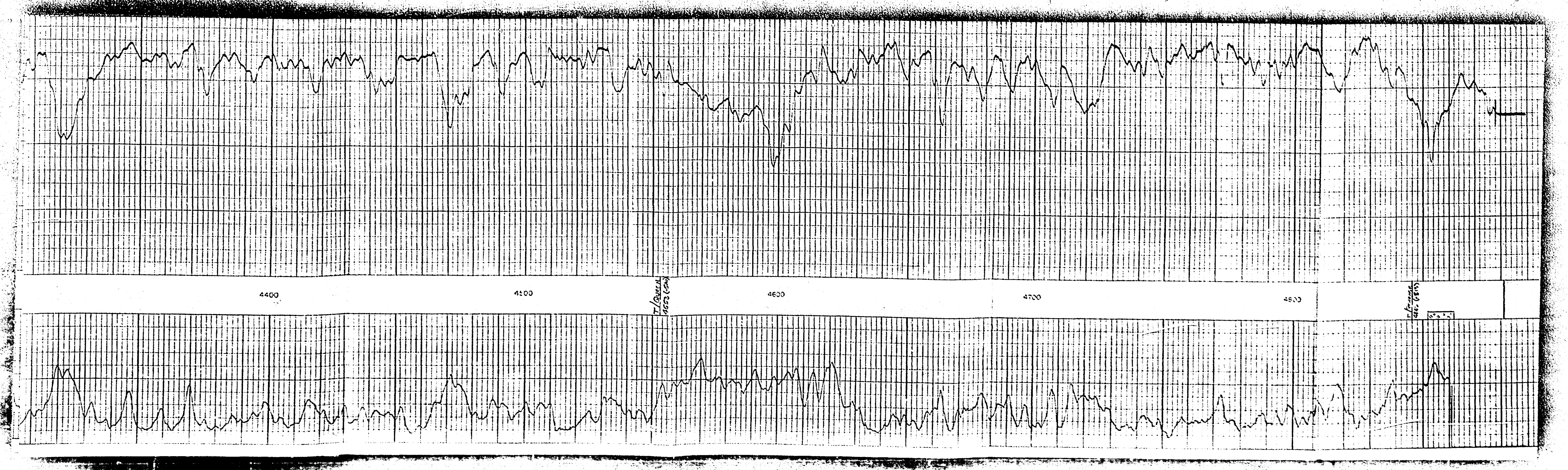

Case No.
5669

Large Exhibits

Occ
Ex 1
Cs 5669

CASE 5669: Southeastern New Mexico nomenclature case calling for an order for the creation and extension of certain pools in Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico.

a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Queen production and designated as the Eidson-Queen Pool. The discovery well is the Hanson Oil Corporation Caldonia Well No. 1, located in Unit N of Section 11, Township 16 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 34 EAST, NMPM
Section 11: S/2
Section 12: SW/4

b) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the McKittrick Hills-Atoka Gas Pool. The discovery well is the Southern Union Production Company Shelby Federal Well No. 1, located in Unit H of Section 13, Township 22 South, Range 24 East, NMPM. Said pool would comprise:

TOWNSHIP 22 SOUTH, RANGE 24 EAST, NMPM
Section 13: N/2

c) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the McKittrick Hills-Strawn Gas Pool. The discovery well is the Southern Union Production Company Shelby Federal Well No. 1, located in Unit H of Section 13, Township 22 South, Range 24 East, NMPM. Said pool would comprise:

TOWNSHIP 22 SOUTH, RANGE 24 EAST, NMPM
Section 13: N/2

d) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Upper Pennsylvanian production and designated as the McKittrick Hills-Upper Pennsylvanian Gas Pool. The discovery well is the Southern Union Production Company Shelby Federal Well No. 2, located in Unit K of Section 12, Township 22 South, Range 24 East, NMPM. Said pool would comprise:

TOWNSHIP 22 SOUTH, RANGE 24 EAST, NMPM
Section 12: S/2

e) CREATE a new pool in Chaves County, New Mexico, classified as a gas pool for Strawn production and designated as the South Newmill-Strawn Gas Pool. The discovery well is the Marathon Oil Company State 27 Well No. 1, located in Unit H of Section 27, Township 4 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 4 SOUTH, RANGE 27 EAST, NMPM
Section 27: W/2

f) CREATE a new pool in Roosevelt County, New Mexico, classified as an oil pool for Wolfcamp production and designated as the South Prairie-Wolfcamp Pool. The discovery well is the SNR Operating Company New Mexico Federal Well No. 1, located in Unit I of Section 20, Township 8 South, Range 36 East, NMPM. Said pool would comprise:

TOWNSHIP 8 SOUTH, RANGE 36 EAST, NMPM
Section 20: SE/4

g) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Bone Springs production and designated as the Salt Lake-Bone Springs Pool. The discovery well is the Flag-Redfern Oil Company Hanson State Well No. 1, located in Unit N of Section 13, Township 20 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 32 EAST, NMPM
Section 13: SW/4

h) CREATE a new pool in Chaves County, New Mexico, classified as a gas pool for Atoka production and designated as the Sand Ranch-Atoka Gas Pool. The discovery well is the Depco, Inc. Midwest Federal Well No. 1, located in Unit O of Section 23, Township 10 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 10 SOUTH, RANGE 29 EAST, NMPM
Section 23: S/2

i) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Sheep Draw-Strawn Gas Pool. The discovery well is the Corinne Grace Cueva Unit Well No. 1, located in Unit K of Section 6, Township 23 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM
Section 6: W/2

j) EXTEND the Atoka-Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 13: All

k) EXTEND the South Carlsbad-Canyon Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM
Section 13: S/2

l) EXTEND the South Carlsbad-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 22 SOUTH, RANGE 26 EAST, NMPM
Section 36: W/2

TOWNSHIP 22 SOUTH, RANGE 27 EAST, NMPM
Section 32: E/2

TOWNSHIP 23 SOUTH, RANGE 26 EAST, NMPM
Section 10: E/2
Section 34: N/2

TOWNSHIP 23 SOUTH, RANGE 27 EAST, NMPM
Section 20: S/2

m) EXTEND the Catclaw Draw-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 25 EAST, NMPM
Section 2: Lots 9 through 16 & S/2
Section 28: All

n) EXTEND the Cato-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 9 SOUTH, RANGE 30 EAST, NMPM
Section 8: NW/4
ADDITION ---------------------- Section 6: NE/4

o) EXTEND the Chaveroo-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 32 EAST, NMPM
Section 1: SE/4
Section 2: NW/4

p) EXTEND the Golden Lane-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 30 EAST, NMPM
Section 33: W/2

q) EXTEND the Kennedy Farms-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 26 EAST, NMPM
Section 13: E/2

r) EXTEND the South Lucky Lake Queen Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 29 EAST, NMPM
Section 16: S/2 SE/4
Section 21: NE/4 NE/4