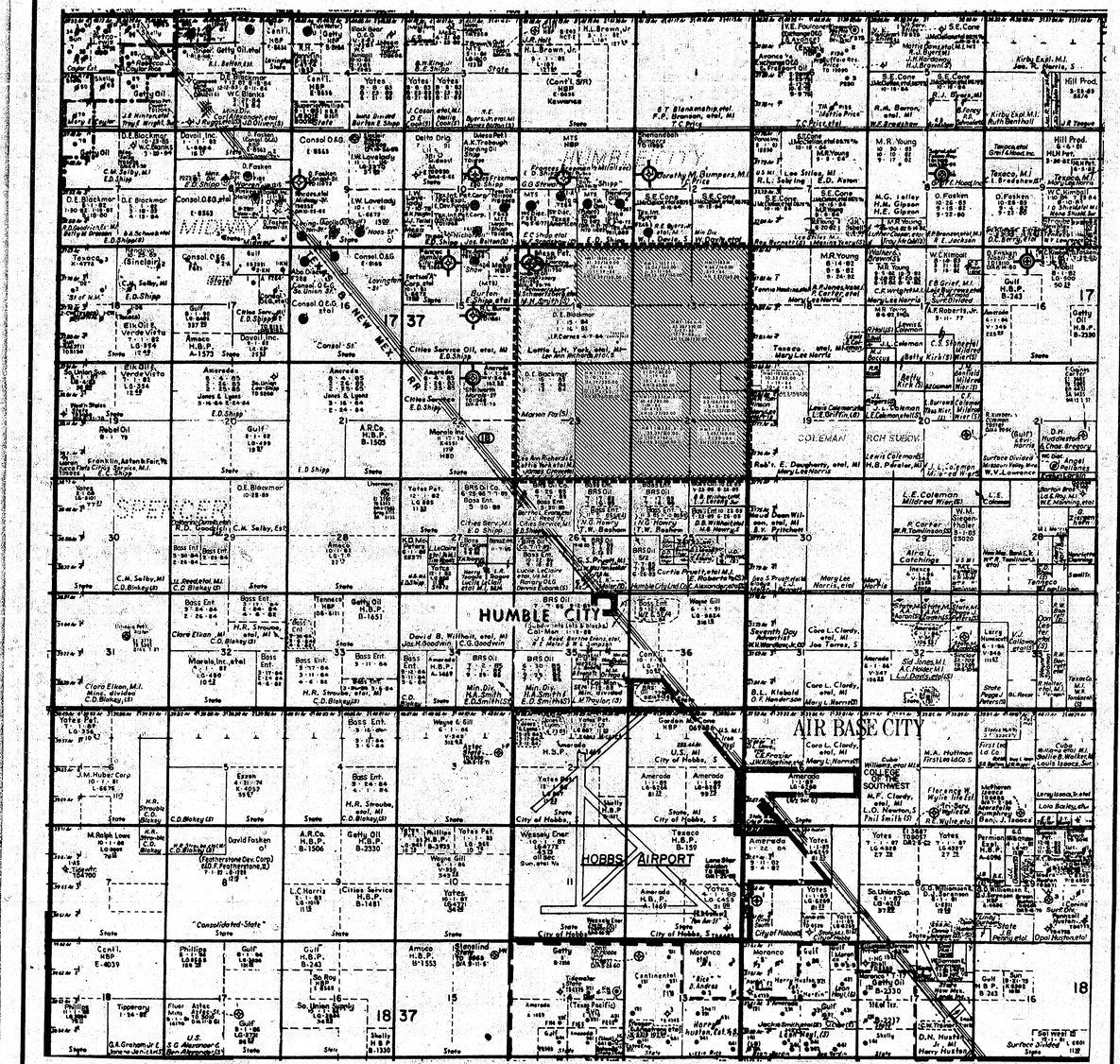
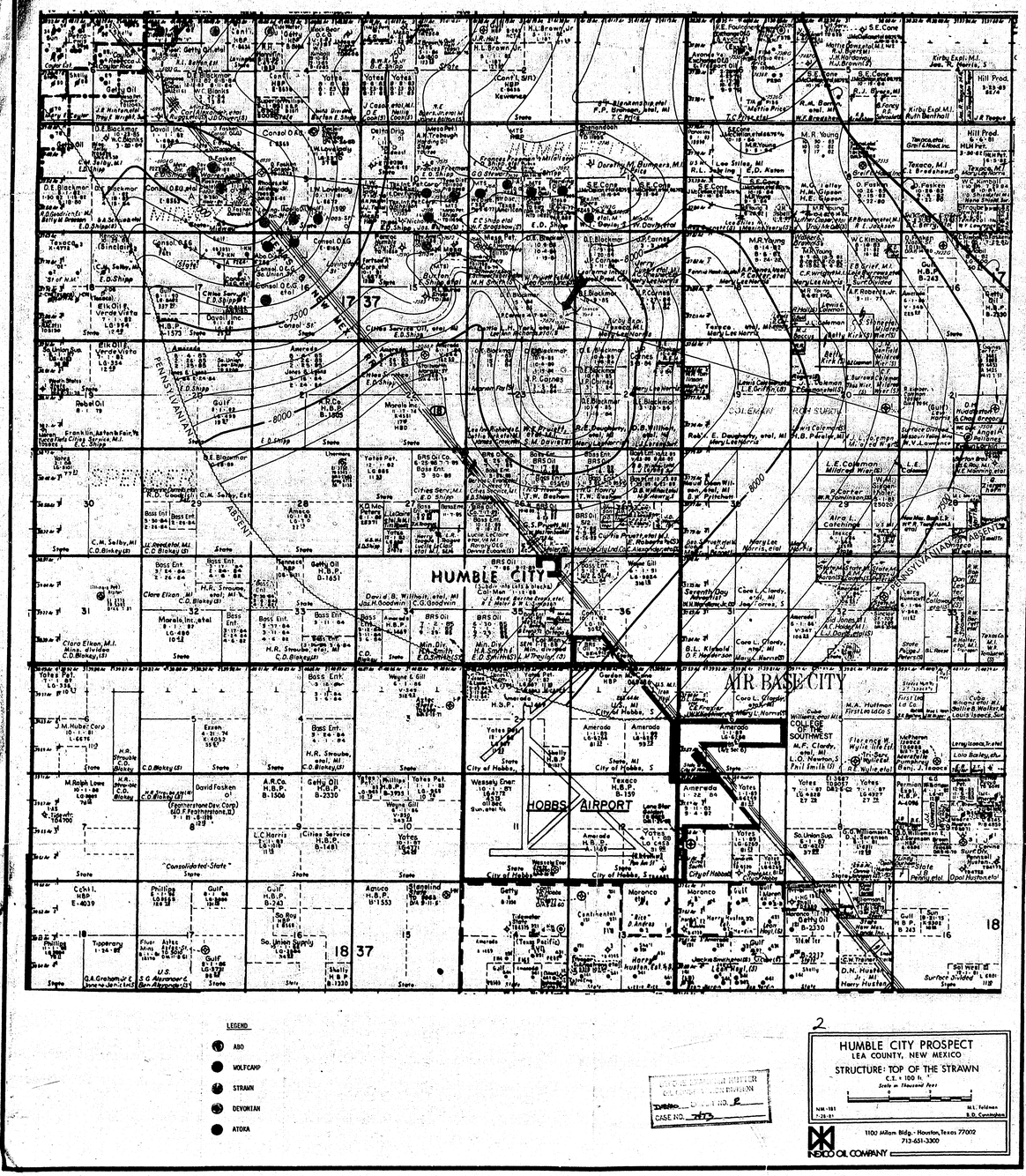
Case No.
7473

Large Exhibits




HUMBLE CITY
AIR BASE CITY
HOBBS AIRPORT
MIDWAY
SPENCER
COLEMAN
NEW MEX.
TEXAS
Texaco acreage
Net 329.72
Gross 1760.00
AM 134.05/1760.00
ABD
GOLF CAMP
STRADDLE
DEVONIAN
ETOKG
NM-181-A: Assignment and Agreement with Operating Agreement, 10-28-81, "HDM", from the surface to the deepest depth drilled.
BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
EXHIBIT NO. 1
CASE NO. 9493
HUMBLE CITY PROSPECT
LEA COUNTY, NEW MEXICO
Scale in Thousand Feet
NM-181
1-25-83
M.L. Pehlman
R.D. Cunningham
1100 Allen Bldg. - Houston, Texas 77002
713-651-3300
NEXCO OIL COMPANY


HUMBLE CITY
HOBBS AIRPORT
AIR BASE CITY
PENNSYLVANIAN ABSENT
HUMBLE CITY PROSPECT
LEA COUNTY, NEW MEXICO
STRUCTURE: TOP OF THE STRAWN
C.I. = 100 ft.
Scale in Thousand Feet
INDECO OIL COMPANY
1100 Milam Bldg. - Houston, Texas 77002
713-651-3300
LEGEND
ABO
WOLFCAMP
STRAWN
DEVONIAN
ATOKA
EXHIBIT NO. 2
CASE NO. 7677

W
A

E
A'

FASKEN
#1-Y HALE STATE
2260' FSL & 1650' FEL
Sec. 8-17S-37E
DF-3795'

FASKEN
#1 CONSOLIDATED STATE
2310' FNL & 330' FWL
Sec. 9-17S-37E
DF-3799'

TEXAS INTL.
#2 NICHOLSON
760' FSL & 1874' FEL
Sec. 10-17S-37E
DF-3757'

TEXAS INTL.
#1 NICHOLSON
1879' FSL & 1980' FEL
Sec. 10-17S-37E
DF-3761'

HARDING
#1 SCHWARTZBERG
660' FNL & 510' FWL
Sec. 14-17S-37E
DF-3749'

INEXCO
#1 LOTTIE YORK
990' FSL & 660' FEL
Sec. 14-17S-37E
KB-3751'

GULF
#1 LEVI HARRIS
660' FSL & 1980' FEL
Sec. 21-17S-38E
DF-3694'

Comp. 6-27-80
Devonian

Comp. 3-2-81
D & A

Comp. 10-6-72
Lower Clear Fork

Comp. 7-15-73
Strawn
Recomp. 4-10-76 Lower Clear Fork

Comp. 4-29-74
D & A

Comp. 10-14-61
Wolfcamp

SCALE CHANGE
1"=400'

SCALE CHANGE: 1"=2200'

DST 3310'-3330'
Rec 2' MCW, 180'
SIP 1187/1130 psi
FSIP 1130/1076

DST 3627'-3637'
Rec 2' MCW, 180'
SOCM 5%w, 20%m, 75%o
180' GIP
75sb gsi, 1317
47/2119psi

SAN ANDRES

DATUM 2000' Sub Sea

GLORIETA

YESO (U. CLEAR FORK)

SAN ANDRES

DST 3305'-3410' 30-90-90-120
Rec 180' mud, 500' salty sulf water, SIP 307/1660psi

GLORIETA

YESO (U.CLEAR FORK)

U.S.G.S. ROSWELL, N.M.
BEST AVAILABLE COPY

GLORIETA

YESO (U. CLEAR FORK)

TUBB

LWR CLEAR FORK (DRINKARD)

THIRD BONE SPRING

ABO

PROJECT

MIDDLE WOLFCAMP DETRITAL

STRAWN

ATOKA

BARNETT

CHESTER

MERAMEC / OSAGE

WOODFORD

DEVONIAN

(TD 11062')

(TD 11875')

(TD 11900')

(TD 11675')

(TD 11710')

GLORIETA

YESO (U.CLEAR FORK)

TUBB

LWR CLEAR FORK (DRINKARD)

THIRD BONE SPRING

ABO BUILDUP

ABO

MIDDLE WOLFCAMP DETRITAL

CISCO

CANYON

STRAWN

ATOKA

BARNETT

CHESTER

CHERT

MERAMEC OSAGE

BEST AVAILABLE COPY

ABO

WOLFCAMP

THIRD BONE SPRING

ABO BUILDUP

MIDDLE WOLFCAMP DETRITAL

STRAWN

ATOKA

BARNETT

CHESTER

MERAMEC / OSAGE

WOODFORD

DEVONIAN

CISCO

CANYON

STRAWN

ATOKA

BARNETT

CHESTER

CHERT

MERAMEC OSAGE

WOODFORD

DEVONIAN

(TD 11062')

(TD 11875')

(TD 11900')

(TD 11675')

(TD 11710')

(TD 12565')

INDEX MAP: 1"= 1 Mile

KNOWLES

KIMBROUGH

HUMBLE CITY

ARKANSAS JUNCTION

LEGEND

- ABO
- WOLFCAMP
- STRAWN
- DEVONIAN
- ATOKA

Scale

BEFORE EXAMINER NUTTER
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 7413

HUMBLE CITY PROSPECT
LEA COUNTY, NEW MEXICO
W-E STRUCTURAL & STRATIGRAPHIC
CROSS-SECTION A-A'
DATUM 2000 SUB SEA

1-8-82
NM-181

M.L. Feldman
R.D. Crompton

1100 Milam Bldg. - Houston, Texas 77002
713-651-3300
NEXCO OIL COMPANY

U.S.G.S. RESTRICTED
BEST AVAILABLE COPY

SIMULTANEOUS

Schlumberger

COMPENSATED NEUTRON-FORMATION DENSITY

COMPANY INEXCO OIL COMPANY

WELL LOTTIE YORK #1 64

FIELD HUMBLE CITY

COUNTY LEA STATE NEW MEXICO

Location: 990' FSL & 660' FEL

Other Services: BHC DI-SFL FIL

Sec. 14 Twp. 17-S Rge. 37-E

Permanent Datum: G.L. Elev. 3735

Log Measured From K.B. 16 Ft. Above Perm. Datum

Drilling Measured From K.B.

Elev.: K.B. 3751 D.F. G.L. 3735

Date	12-9-81						
Run No.	ONE						
Depth-Driller	12107						
Depth-Logger	12090						
Btm. Log Interval	11972						
Top Log Interval	4800						
Casing-Driller	9 5/8@ 4800						
Casing-Logger	4800						
Bit Size	8 1/2						
Type Fluid in Hole	WEIGHTED POLYMER						
Dens. / Visc.	9.4	48					
pH / Fluid Loss	9	48 ml		ml		ml	
Source of Sample	PIT						
Rm @ Meas. Temp.	.575 @ 69 °F		@ °F	@ °F	@ °F		
Rmf @ Meas. Temp.	.506 @ 69 °F		@ °F	@ °F	@ °F		
Rmc @ Meas. Temp.	@ °F		@ °F	@ °F	@ °F		
Source Rmf / Rmc	MI						
Rm @ BHT	.271 @172 °F		@ °F	@ °F	@ °F		
Circulation Stopped	1305 12-8						
Logger on Bottom	1930 12-9						
Max. Rec. Temp.	172 °F		°F	°F	°F		
Equip. Location	8275 HOBBS						
Recorded By	VALLE/BRANDTRON						
Witnessed By	VOSBEIN						

BEFORE COMMENCE BUTLER OIL CONSERVATION DIVISION

EXHIBIT NO. 4

CASE NO.

Run No. ONE

Type Log FDC

Depth-Driller 12107

Depth-Logger 12090

Bottom Log Interval 12090

Top Log Interval 4800

Casing-Driller 9 5/8@ 4800

Casing-Logger 4800

Bit Size 8 1/2

Type Fluid in Hole WEIGHTED POLYMER

Dens. 9.4

Visc. 48

pH 9

Fluid Loss 8 ml

Source of Sample PIT

Rm @ Meas. Temp. .575 @ 69 °F

Rmf @ Meas. Temp. .506 @ 69 °F

Rmc @ Meas. Temp. @ °F

Source Rmf / Rmc MI

Rm @ BHT .271 @172 °F

Time Circulation Stopped 1305 12-8

Time Logger on Bottom 1930 12-9

Max. Rec. Temp. 172 °F

Equip. Location 8275 HOBBS

Recorded By VALLE/BRANDTRON

Witnessed By VOSBEIN

RUN NO. ONE

Date Logged 12-9-81

Recorded By VALLE

Witnessed By VOSBEIN

CASING RECORD

	Size	Wgt.	From	To
Driller	9 5/8	36	SURF	4800
Logger	9 5/8	36	SURF	4800

BOREHOLE RECORD

Bit No.	Size	From	To
1	8 1/2	4800	12107

TOOL STRING (TOP TO BOTTOM)

	Type	Length	OD
Telemetry Cartridge	CNT-D	5.00	3.625
Gamma Ray	HGNS	5.00	3.625
Compensated Neutron	CNS	14.00	3.625
Electronic Cartridge	HLDS	5.00	3.625
Density Sonde	HLDS	5.00	3.625
Caliper	HLDS	5.00	3.625
Pad	HLDS	5.00	3.625
Centralizer		5.00	3.625

REMARKS

RUN 1 FDC

RUN 2 CNT-D/HGNS

RUN 3 CNS/HLDS

RUN 4 DIL

RUN 5 BHC

RUN 6 DIL

RUN 7 DIL

RUN 8 DIL

RUN 9 DIL

RUN 10 DIL

RUN 11 DIL

RUN 12 DIL

RUN 13 DIL

RUN 14 DIL

RUN 15 DIL

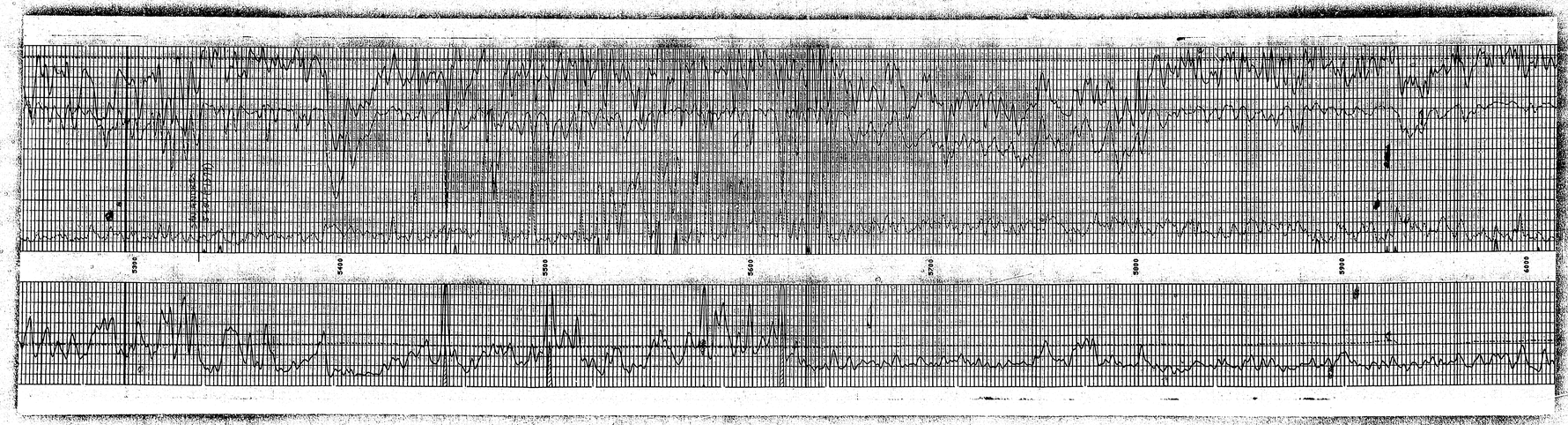
RUN 16 DIL

RUN 17 DIL

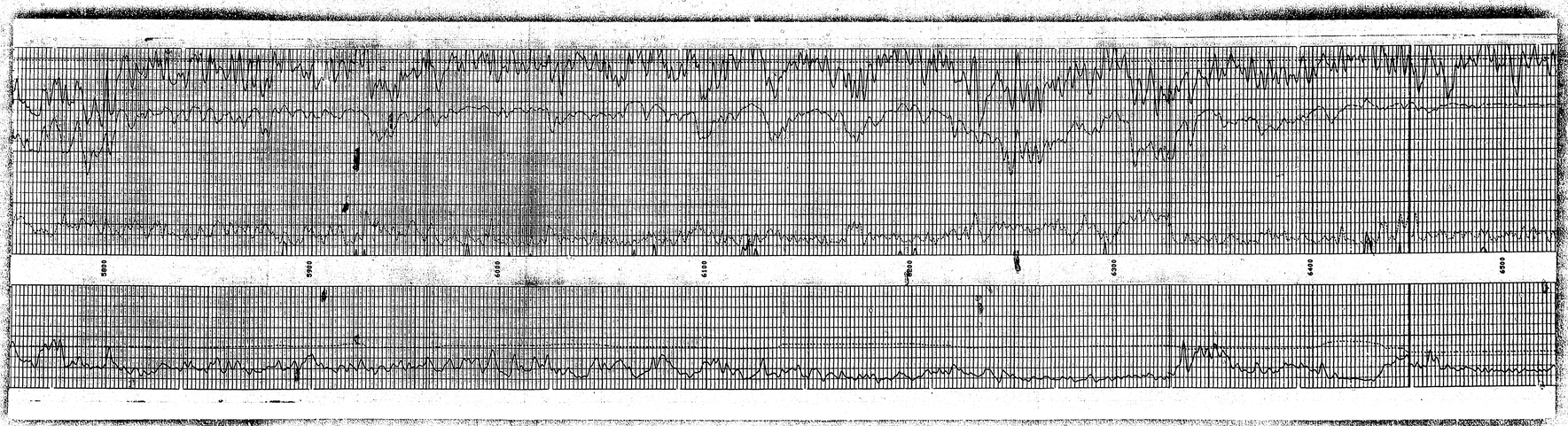
RUN 18 DIL

RUN

U.S.G.S. PHOTOGRAPHICS
BEST AVAILABLE COPY

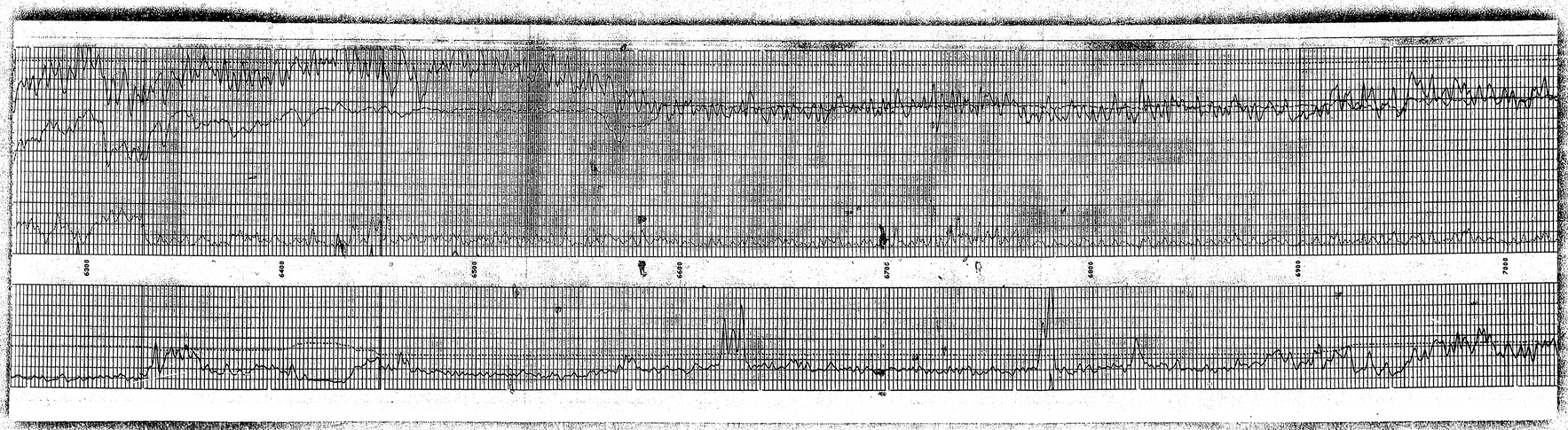

5300
5400
5500
5600
5700
5800
5900
6000

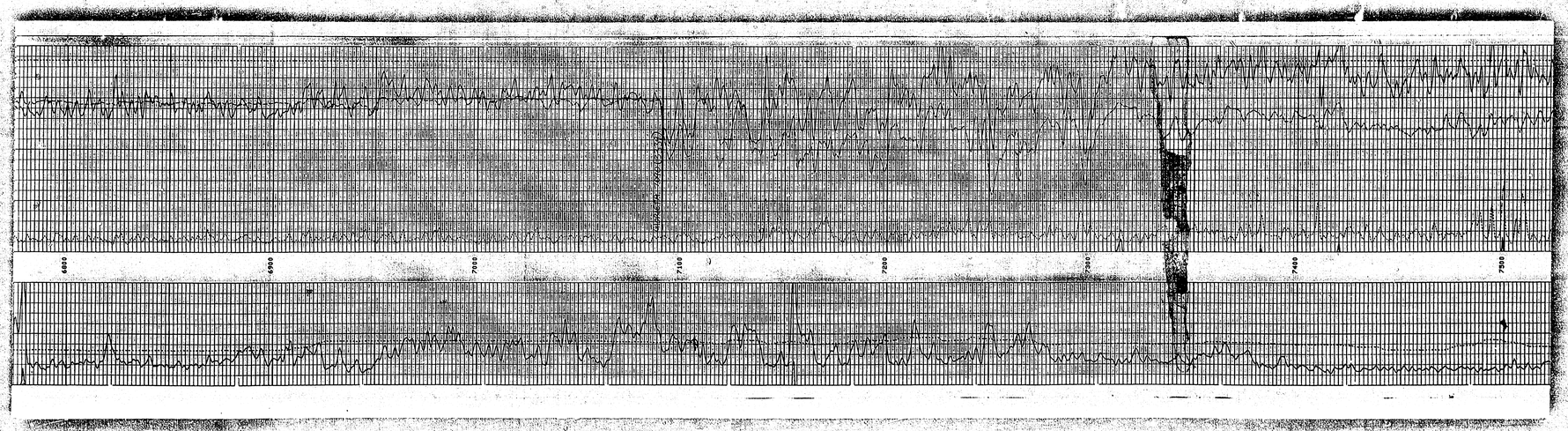




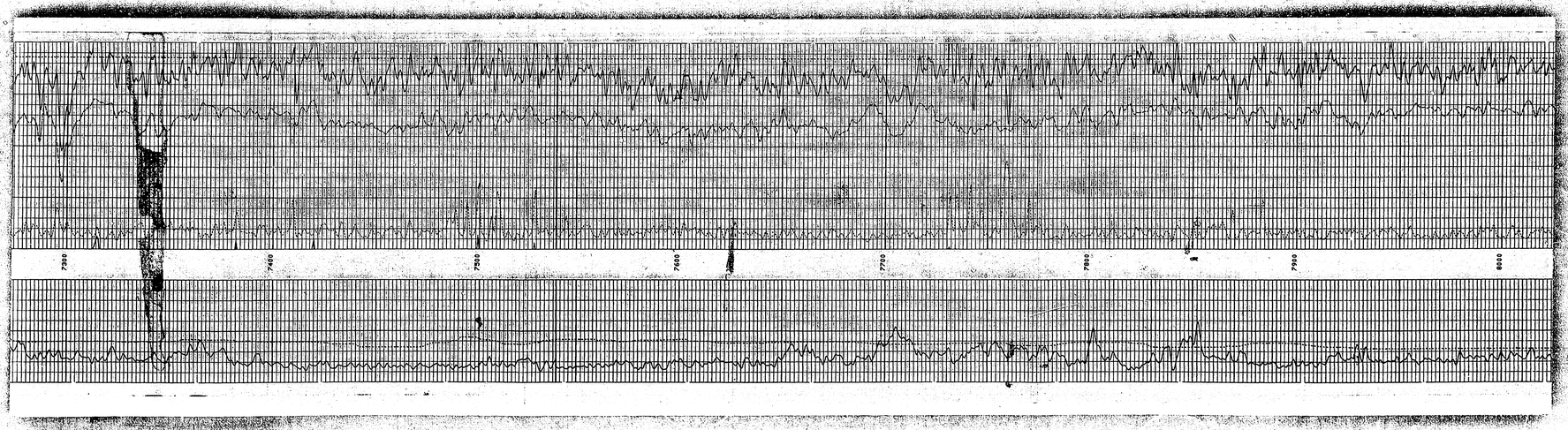
U.S.G.P.O. 1978-0-261-246

BEST AVAILABLE COPY

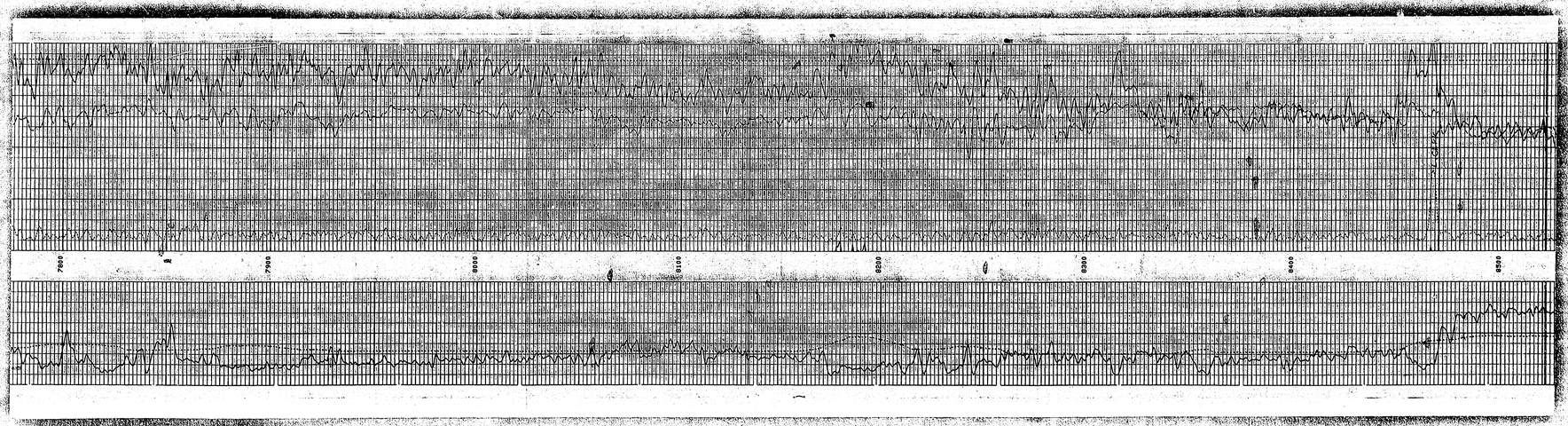

6300
6400
6500
6600
6700
6800
6900
7000

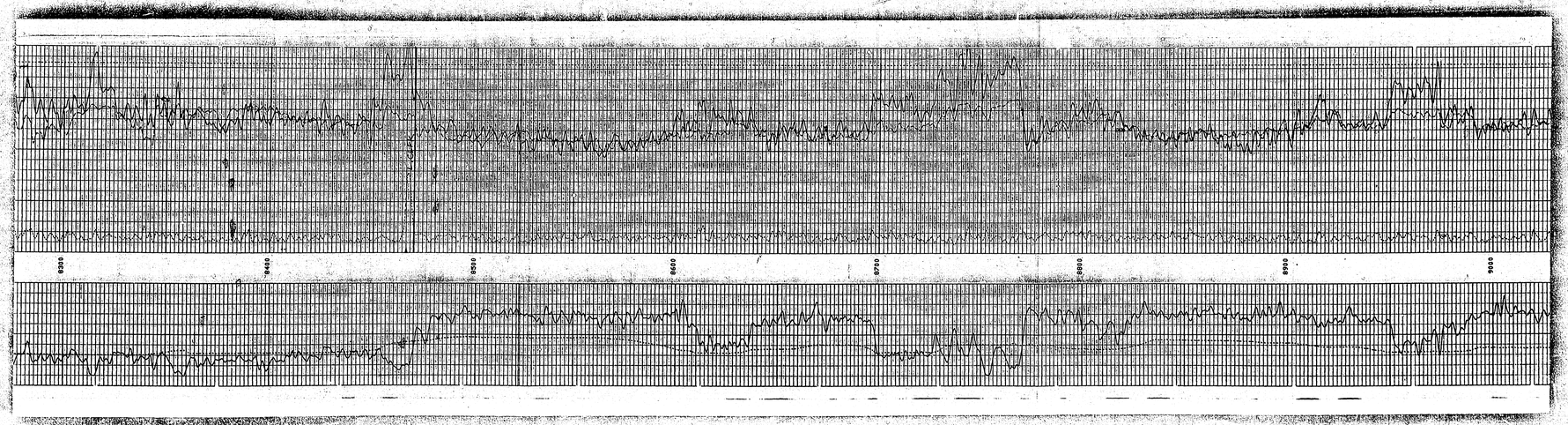


U.S.N.A.F. MICROFILMED
BEST AVAILABLE COPY

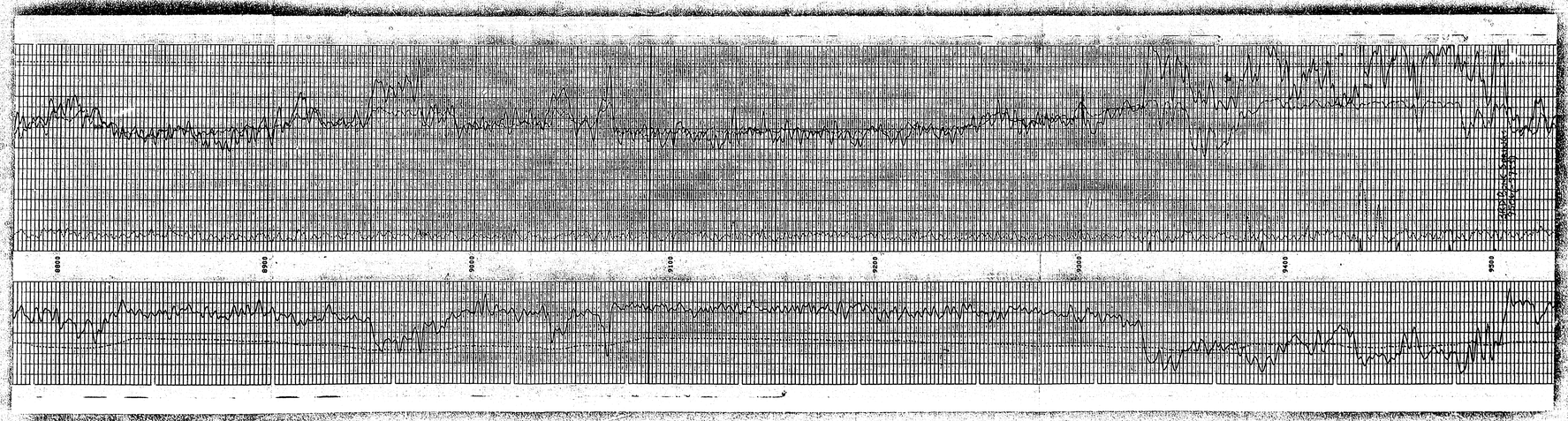


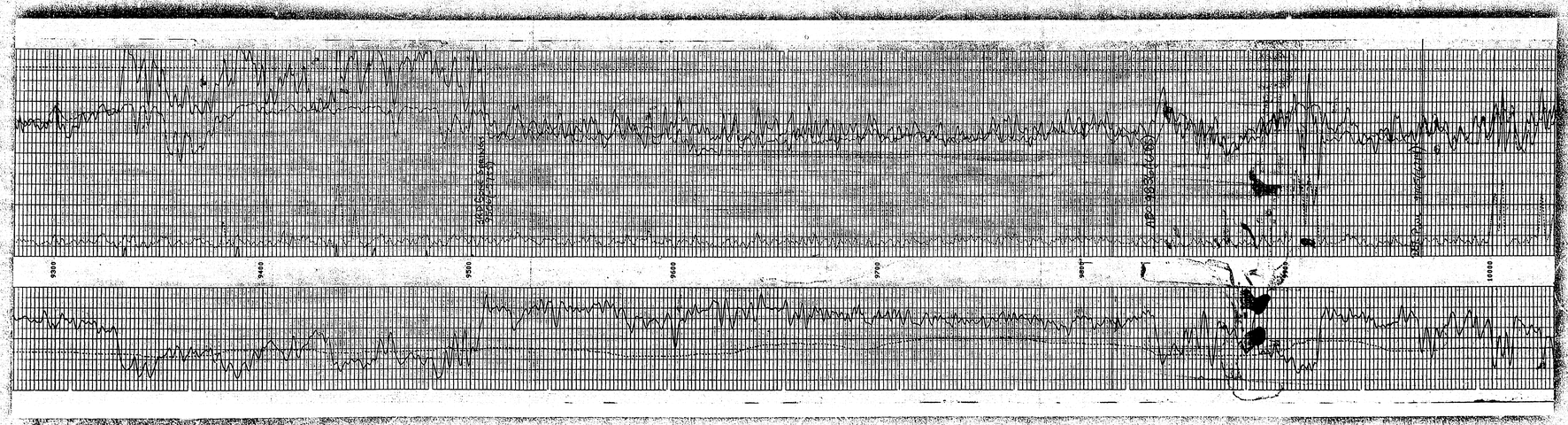
U.S.G.S. HYDROGRAPHICS
BEST AVAILABLE COPY


7800
7900
8000
8100
8200
8300
8400
8500

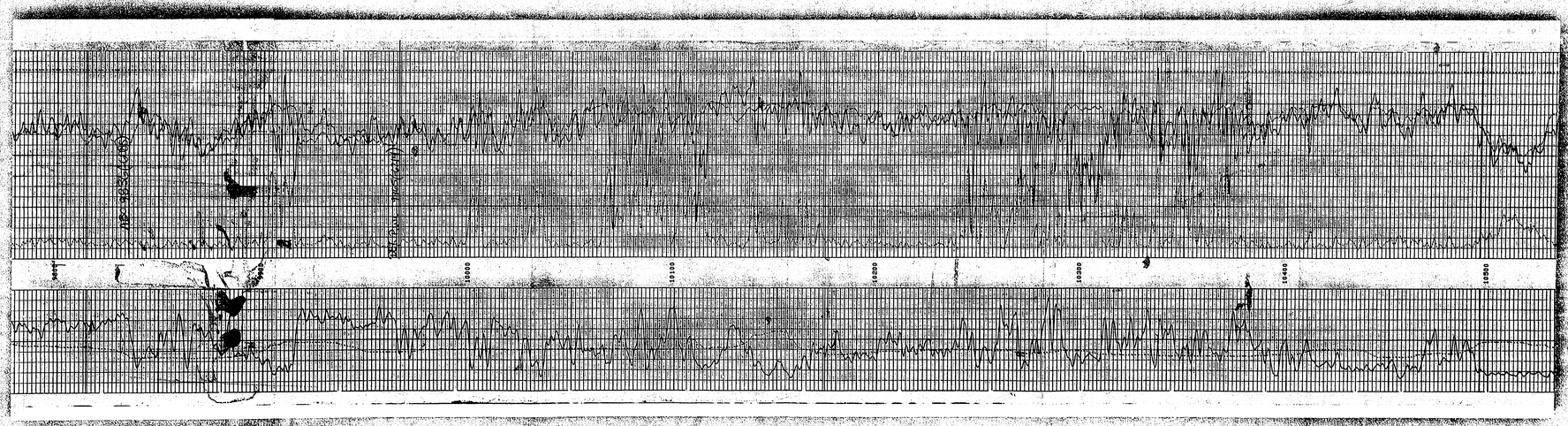


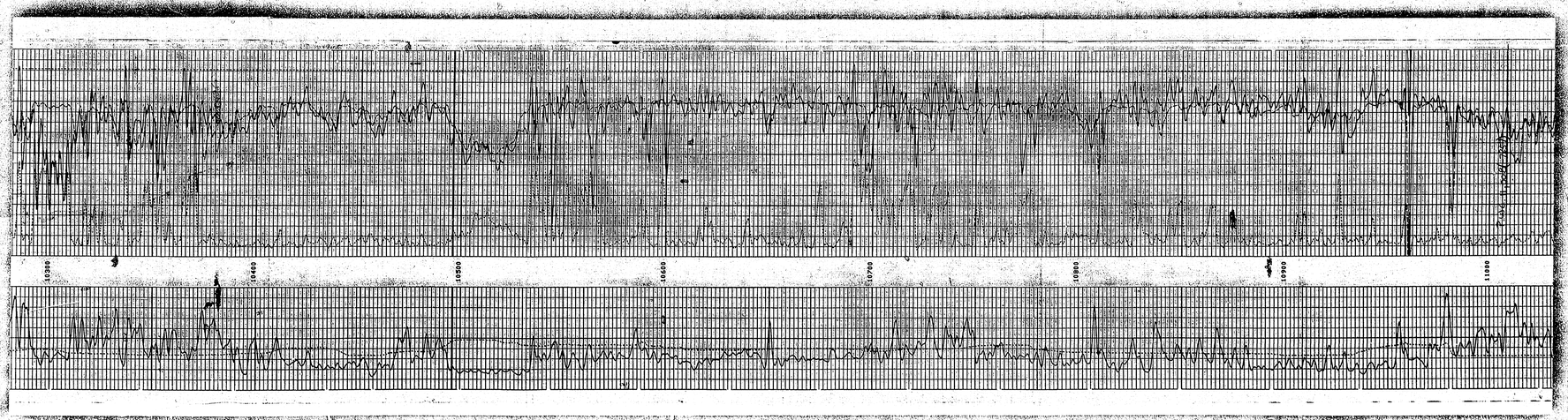
U.S.G.S. GEOPHYSICS
BEST AVAILABLE COPY


9800
9900
9400

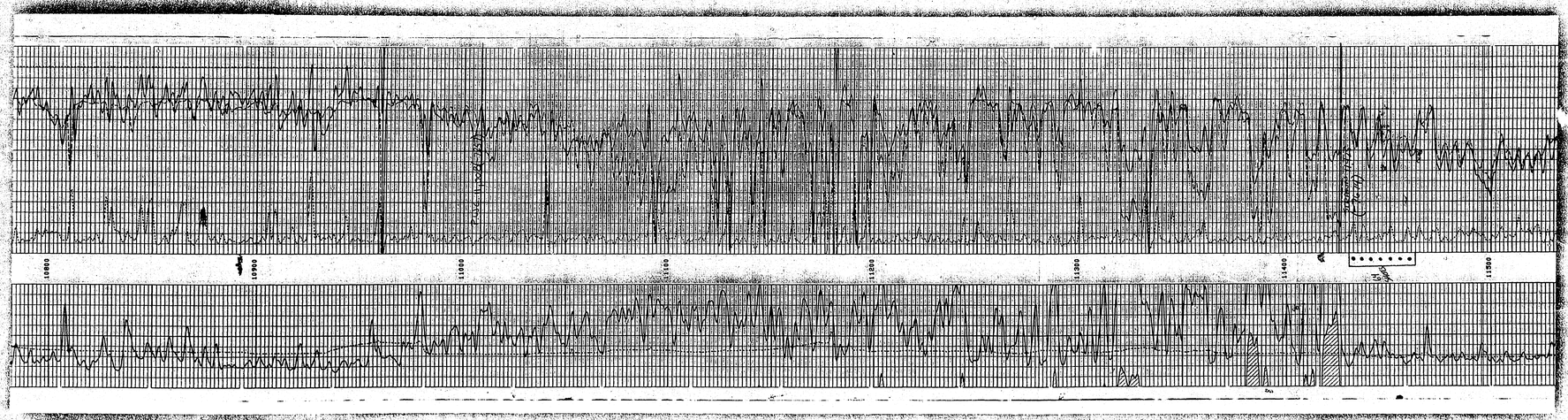


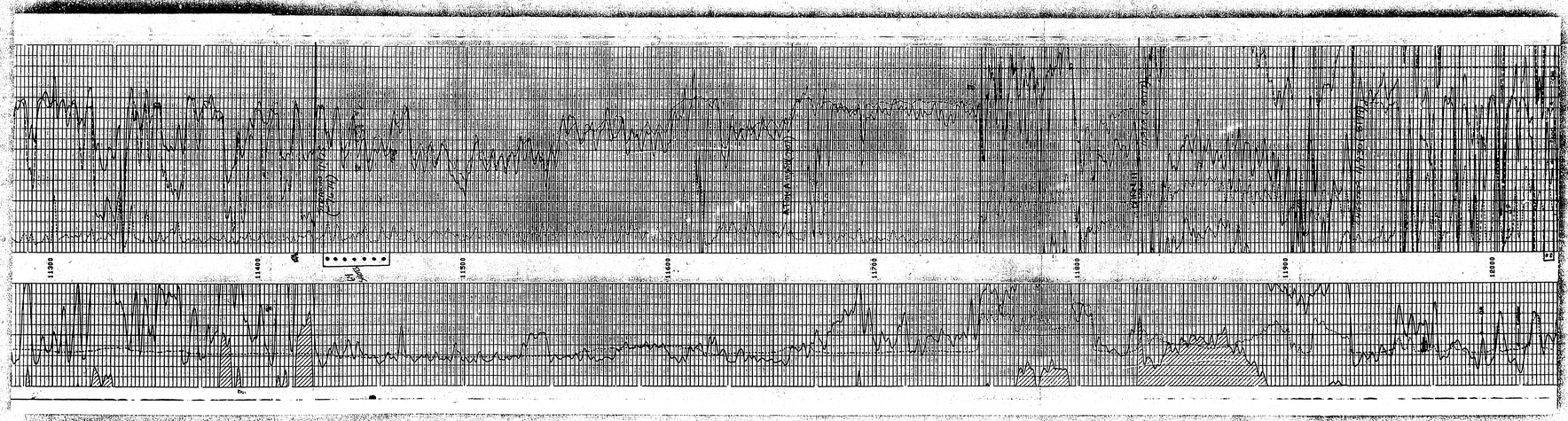
BEST AVAILABLE COPY


9900
10000
10100
10200
10300
10400
10500



U.S.A.F. GEOPHYSICS
NOT AVAILABLE COPY

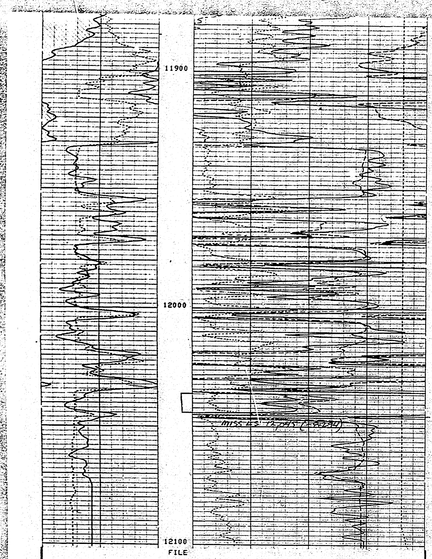

10800
10900
11000
11100
11200
11300
11400
11500



BEST AVAILABLE COPY

11900
11950
12000
12100
FILE
GR (GAPI)
CALIPER (IN)
TENSION (LB)
RHOB (G/C3)
NPHI (V/V)
SENSOR MEASURE POINT TO TENSION REFERENCE POINT
MCNL 12.4 FEET
SS -1.4 FEET
CALI -1.4 FEET
MRST 13.4 FEET
PARAMETERS
NAME VALUE UNIT
PMR 8.202
MATR LIME
MDEN 2.710 G/C3
SHR 0.0
DD 0.0
GR 21.9 FEET
SS -1.4 FEET
MTMD -1.4 FEET
TENS .0 FEET
NAME VALUE UNIT
BS 8.500 IN
HS 1.000
FLOC 1.000 G/C3
SHR 0.0 DEGR
REPEAT SECTION

V.F.W.C.F. EDMONTON
BEST AVAILABLE COPY



FILE 3

GR (GAPI)		DRHO(G/CC)		TENSION
100.0	200.0	-0.050	0.4500	0.0
CALI(ISM...)		NPHI(...)		
6.000	16.00	0.3000		-0.100
GR (GAPI)		RPHI(...)		
0.0	100.0	0.3000		-0.100

SENSOR MEASURE POINT TO TENSION REFERENCE POINT

MCML	17.0	FEET	GR	26.3	FEET
FFBC	3.0	FEET	FCNL	17.0	FEET
CALI	3.0	FEET	NFBC	3.0	FEET
NRAT	17.0	FEET	TENS	.0	FEET

PARAMETERS

NAME	VALUE	UNIT	NAME	VALUE	UNIT
PSMR	2.302		BS	8.500	IN
MATR	LIME		MC	CALI	
MDEN	2.710	G/C3	FD	1.000	G/C3
BHF	WATE		FBCC	ALLO	
DD	0.0		BHS	OPEN	

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 01/12/09
PROGRAM FILE: ISM (VERSION 20.2 01/ 1/30)

SGTE DETECTOR CALIBRATION SUMMARY

	MEASURED BKGD	JIG	CALIBRATED	UNITS
GR	25	191	165	GAPI

CNTA DETECTOR CALIBRATION SUMMARY

	TANK INPUT	CALIBRATED	JIG MEASURED	CALIBRATED
NRAT	2.302	2.158	2.294	2.151

PGTE DETECTOR CALIBRATION SUMMARY

	BLOCK INPUT	CALIBRATED	JIG MEASURED	CALIBRATED	UNITS
FFBC	377	337	382	341	CPS
NFBC	586	528	581	523	CPS

PGTE CALIPER CALIBRATION SUMMARY

	MEASURED SMALL	LARGE	CALIBRATED SMALL	LARGE	UNITS
CALI	7.8	10.9	8.0	12.0	IN

FILE 2

AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 01/12/09
PROGRAM FILE: ISM (VERSION 20.2 01/ 1/30)

CNTA TOOL CHECK

	JIG BEFORE	AFTER
NRAT	2.151	2.129

POROSITY CHANGE (LIME): -0.002

PGTE TOOL CHECK

	JIG BEFORE	AFTER	UNITS
FFBC	341	337	CPS
NFBC	523	514	CPS

FILE 6

SHOP SUMMARY

PERFORMED: 01/12/09
PROGRAM FILE: SHOP (VERSION 20.2 01/ 1/30)

CNTA DETECTOR CALIBRATION SUMMARY

	TANK MEASURED	CALIBRATED	JIG MEASURED	CALIBRATED
NRAT	2.302	2.158	2.310	2.165

(CMC:1693 , CM3:1694)

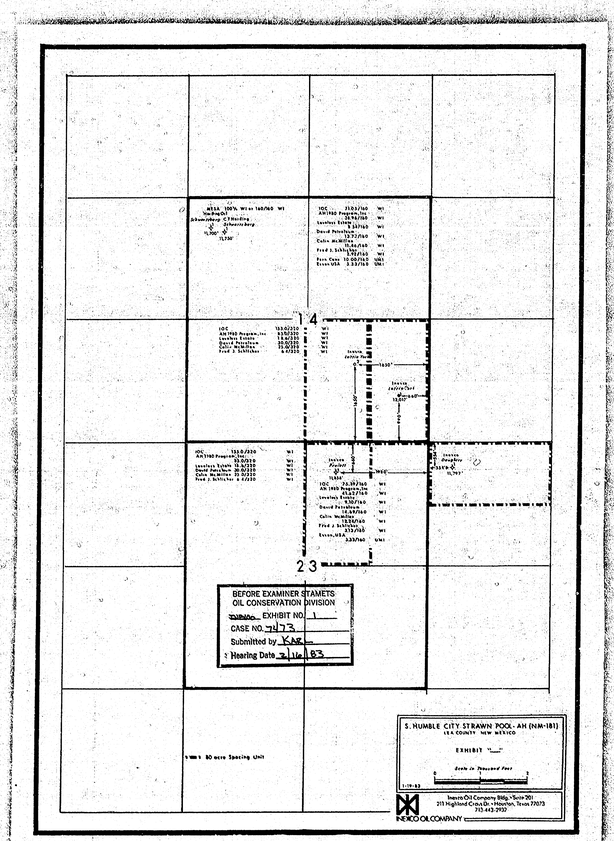
PGTE DETECTOR CALIBRATION SUMMARY

	BLOCK MEASURED	CALIBRATED	JIG MEASURED	CALIBRATED	UNITS
FFBC	377	337	381	341	CPS
NFBC	586	528	589	530	CPS

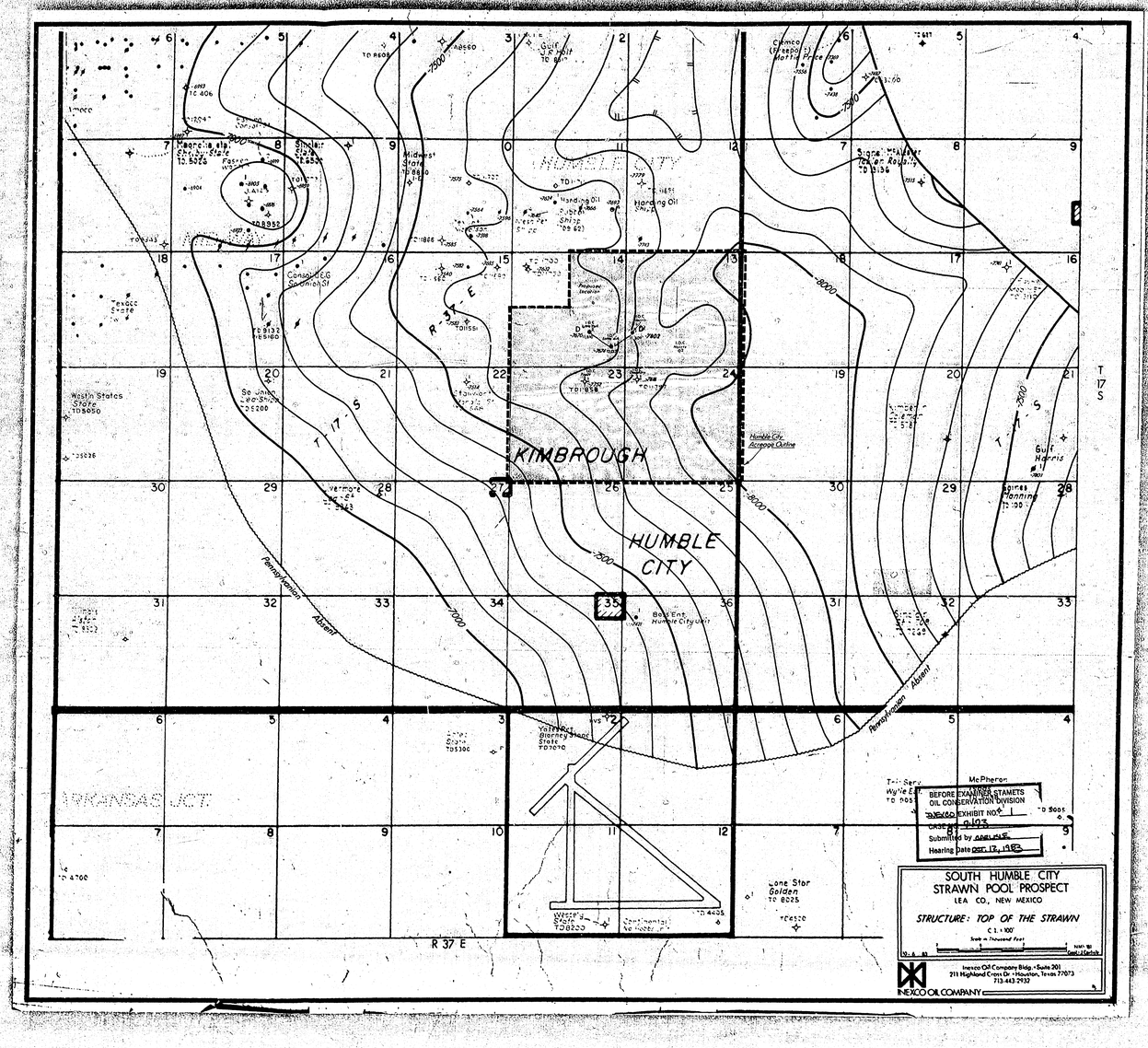
(PGS:569 , PSM:1868 , GSR:3E7E , SFT (:1845)

CALIBRATION RECORD

COMPANY	INEXCO OIL COMPANY	SCHL FR	12072
		SCHL TO	12090
WELL	LOTTIE YORK 61	DRLR TO	12107
FIELD	HUMBLE CITY	Elev. KB	3751
		DF	3750
COUNTY	LEA STATE NEW MEXICO	GL	3735



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


KIMBROUGH
HUMBLE CITY
Humble City Acreage Outline
Penn/Permian Absent
T 17 S
R 37 E
ARKANDAS JCT.
Bold Ent. Humble City Unit
Gulf Harris
Spires Manning
Lone Star Golden
Harding Oil
Inexco
Texaco
Sinclair
Midwest State
Conoco
Southern Oil
Western States
Vermont
Yates-Pet Blarney State
McPherson
Wyatt Ent.
Continental
Gulf
Clemco
Stone-Weaver Texan Royalty
Pearce Etl. Shirley State
Southern Union
Skelly
Amoco
Texaco State
Humble
Tenneco
Phillips
Shell
Sohio
Mobil
Cities Service
Amerada
Pan American
Atlantic Richfield
Union Texas
Getty
Kerr-McGee
Hunt
Cabot
Sun
Superior
Ashland
Marathon
Cleveland
Ohio
Kewanee
Aminoil
Forest
Ralph Lowe
Jake L. Hamon
Dorchester
Hanson
Mesa
Coastal States
Natomas
Reserve
Pennzoil
Union Oil
Union Pacific
Ladd
Lone Star
Texas Pacific
Texas Eastern
Transwestern
Northern Natural
Phillips Petroleum
Amoco Production
Tenneco Oil
Texaco Producing
Shell Oil
Sohio Petroleum
Mobil Producing
Cities Service Oil
Amerada Hess
Pan American Petroleum
Atlantic Richfield
Union Texas Petroleum
Getty Oil
Kerr-McGee
Hunt Oil
Cabot
Sun Oil
Superior Oil
Ashland Oil
Marathon Oil
Cleveland Oil
Ohio Oil
Kewanee Oil
Aminoil
Forest Oil
Ralph Lowe
Jake L. Hamon
Dorchester Exploration
Hanson Oil
Mesa Petroleum
Coastal States Gas
Natomas
Reserve Oil
Pennzoil
Union Oil
Union Pacific Resources
Ladd Petroleum
Lone Star Gas
Texas Pacific Oil
Texas Eastern
Transwestern Pipeline
Northern Natural Gas

W

INEXCO
Lottle York #2
14-17S-37E
ONDL

INEXCO
Lottle York #1
14-17S-37E
ONDL

INEXCO
Norris #1
13-17S-37E
ONDL-GR

TUBB

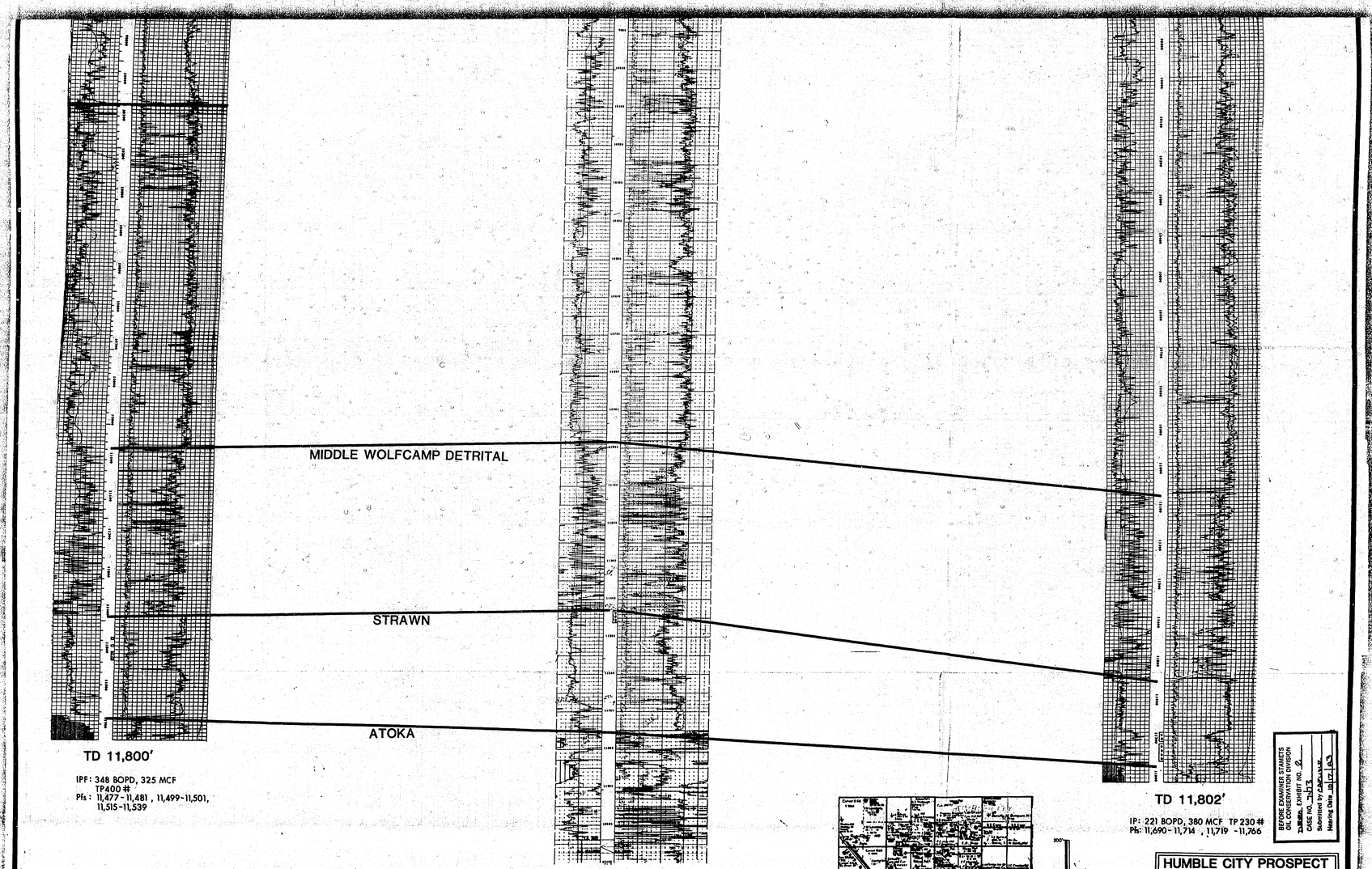
LOWER CLEARFORK

ABO

WOLFCAMP

(-4750')

U.S.G.S. ECONOMICS
BEST AVAILABLE COPY



TD 11,800'

IPF: 348 BOPD, 325 MCF
TP400 #
Pfs: 11,477 - 11,481 , 11,499-11,501,
11,515-11,539

TD 12,017'

IPF: 370 BOPD TP480 #
Pfs: 11,430 - 11,462'

TD 11,802'

IP: 221 BOPD, 380 MCF TP 230 #
Pfs: 11,690 - 11,714 , 11,719 - 11,766

MAP SCALE: 1"=4000'

Scale in Feet
300'
100'
0
0 100' 300'

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 2
CASE NO. 7413
Submitted by CANDELARIA
Hearing Date 10/12/83

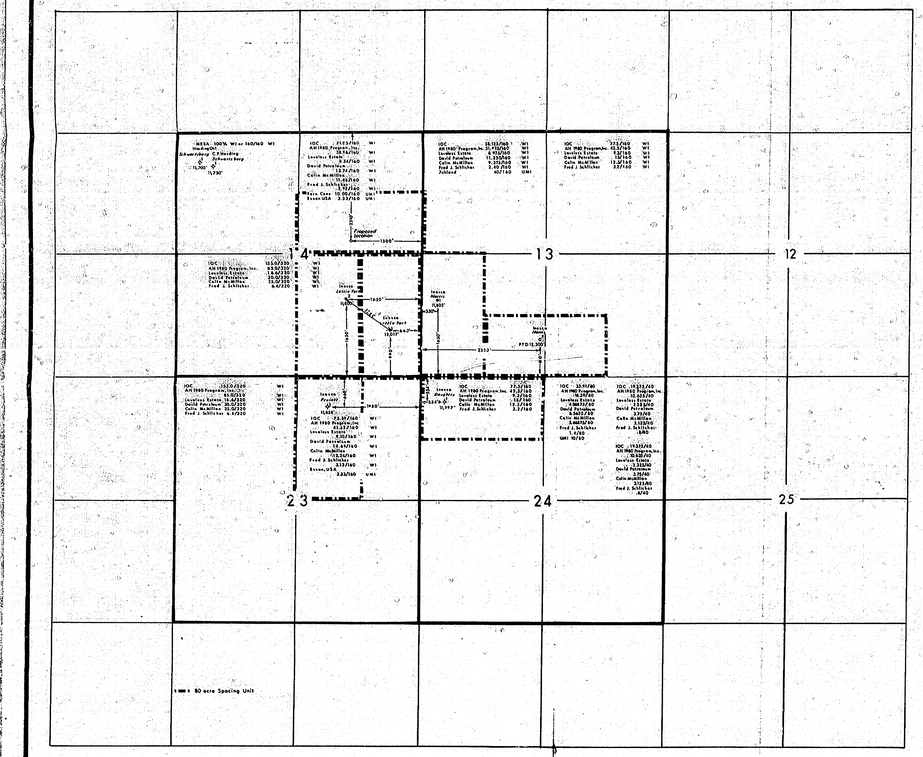
HUMBLE CITY PROSPECT

LEA CO., NEW MEXICO

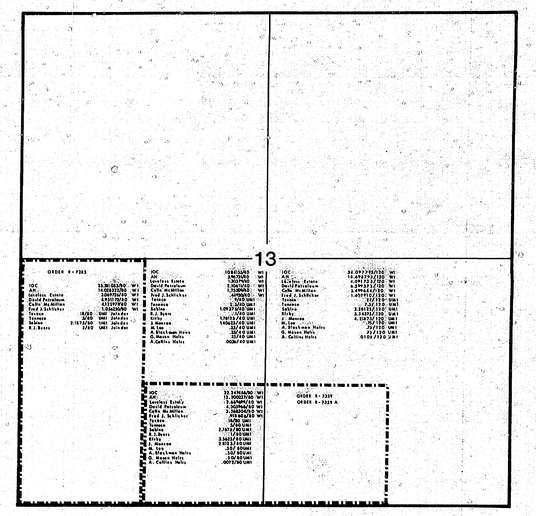
Structural X - Section D - D'

8-25-83 Quad: J. A. Carlisle

Inexco Oil Company Bldg. - Suite 201
711 Highland Cross Dr. - Houston, Texas 77073
713 443-7927
INEXCO OIL COMPANY



INSERT MAP



Scale: 1" = 500'

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
TEXACO EXHIBIT NO. 3
CASE NO. 7973
Submitted by GARLAND
Hearing Date 10/17/85

S. HUMBLE CITY STRAWN POOL-AH (NM-181)
LEA COUNTY, NEW MEXICO
EXHIBIT "__"
Scale in Thousand Feet
0 1 2

INEXCO OIL COMPANY
Inexco Oil Company Bldg. • Suite 201
211 Highland Cross Dr. • Houston, Texas 77073
713-445-2900

U.S.G.T. DOCUMENTS
BEST AVAILABLE COPY