

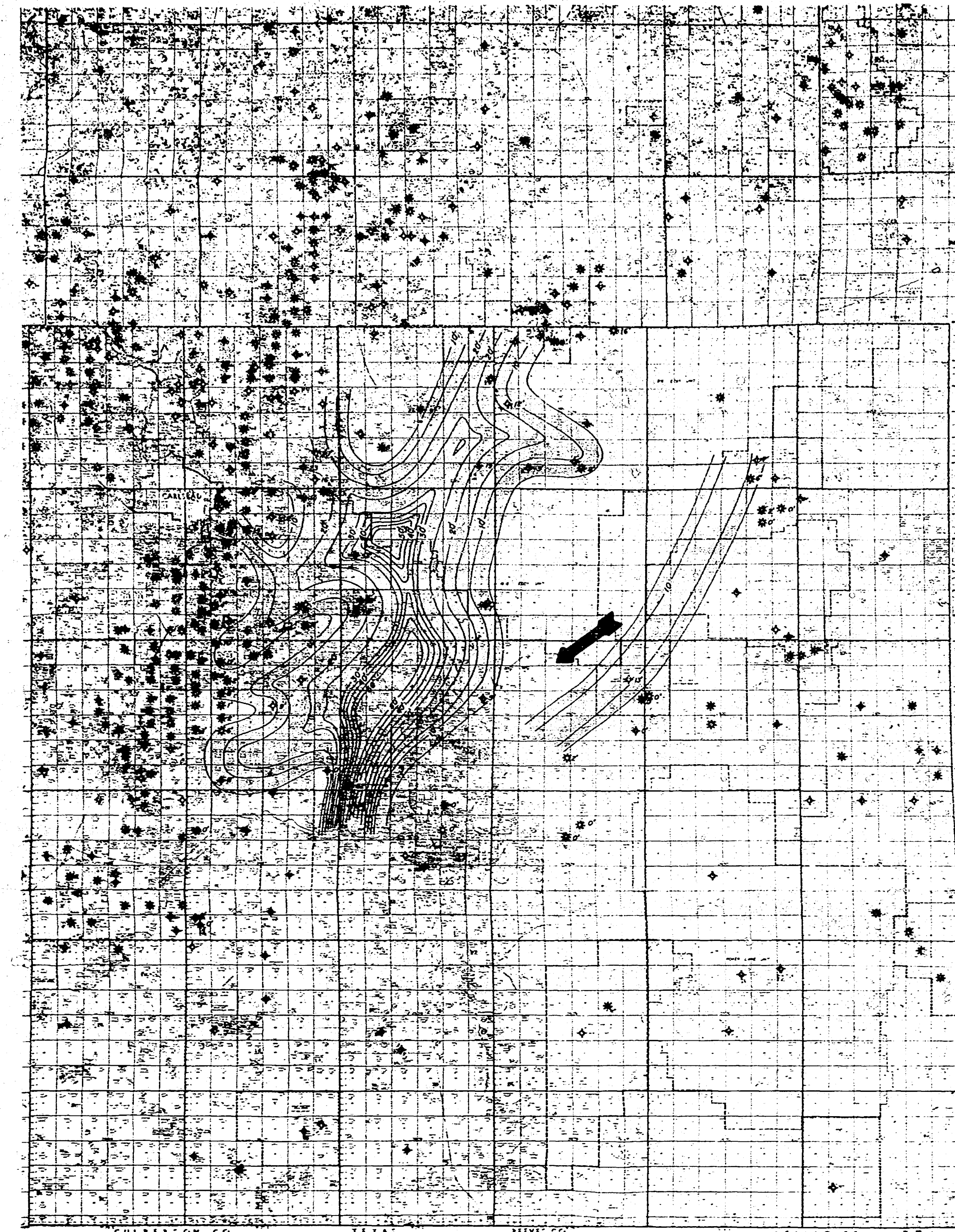
Case No
6292

Large Exhibits

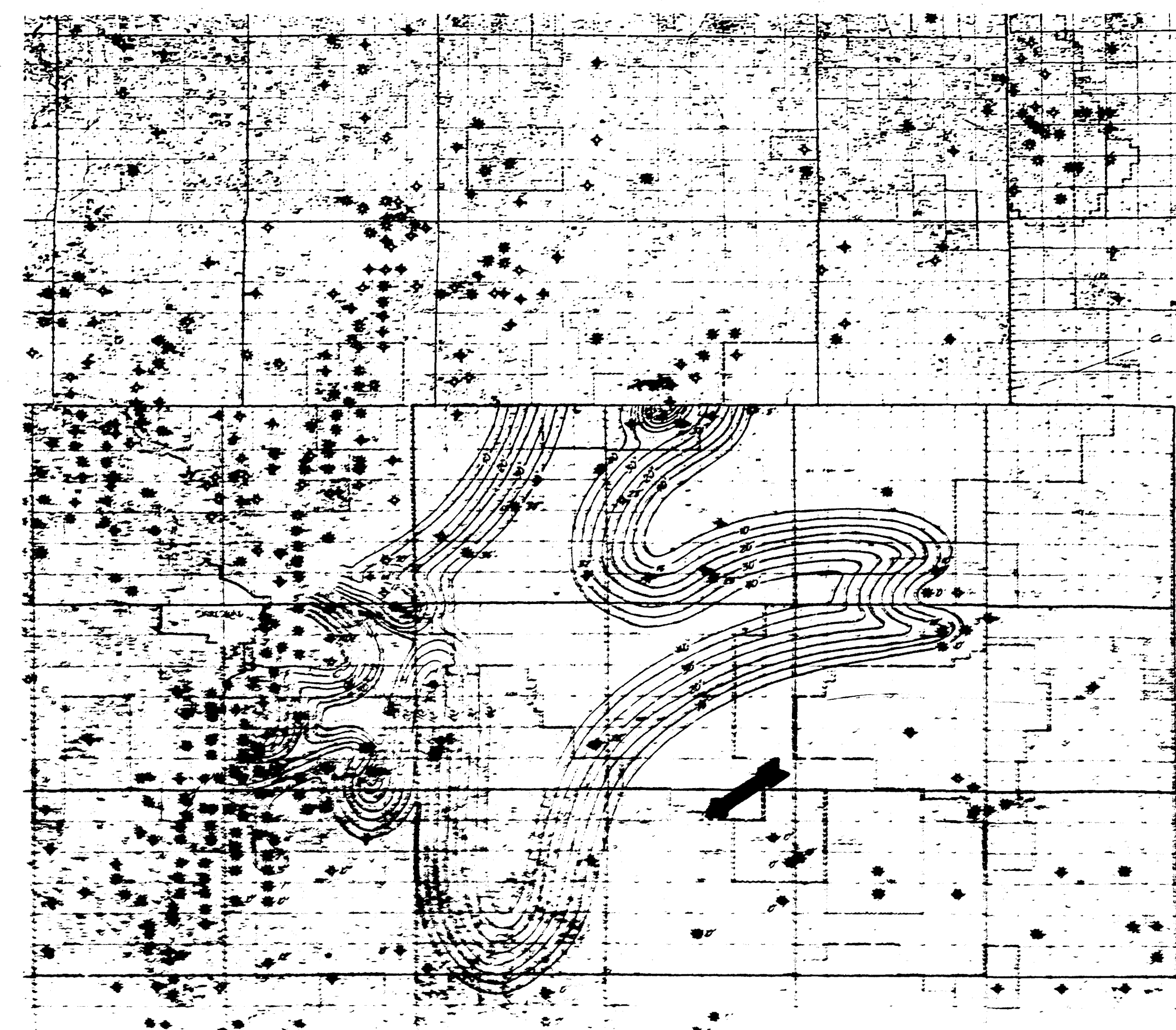


DEPOSITIONAL HISTORY MORROW (LOWER PENNSYLVANIAN) CLASTIC INTERVAL

LOWER MORROW

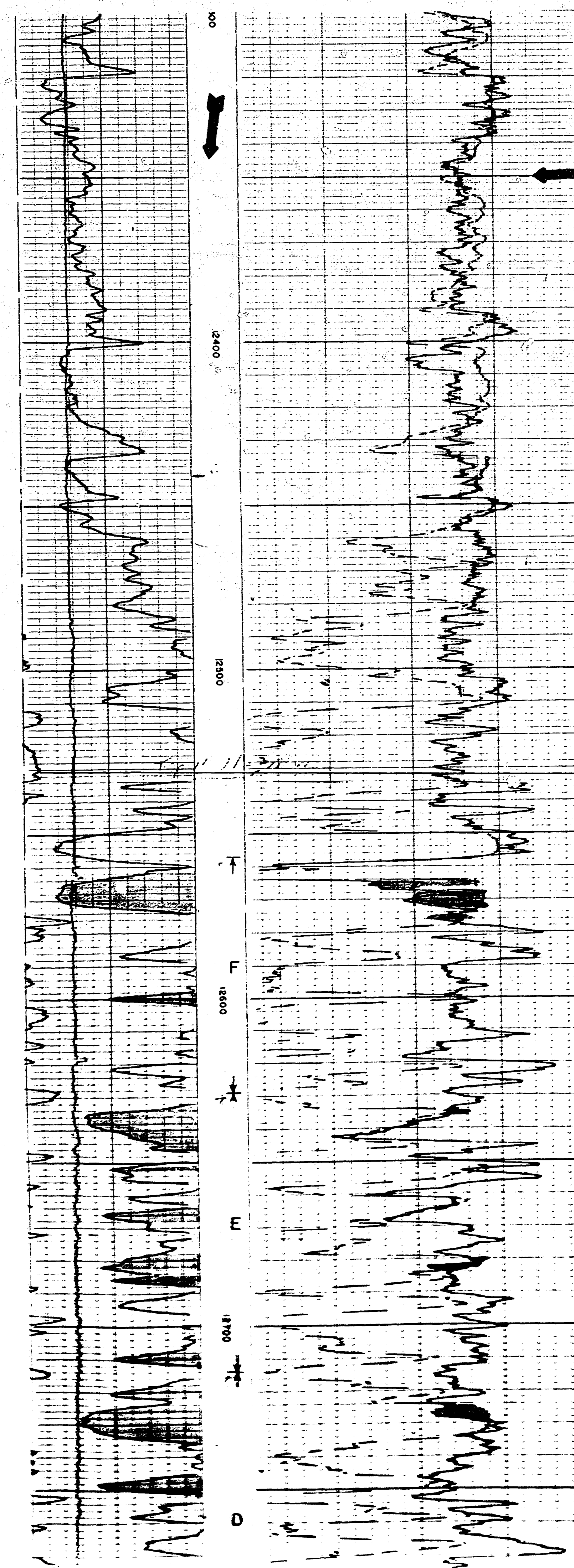


"C" Sand



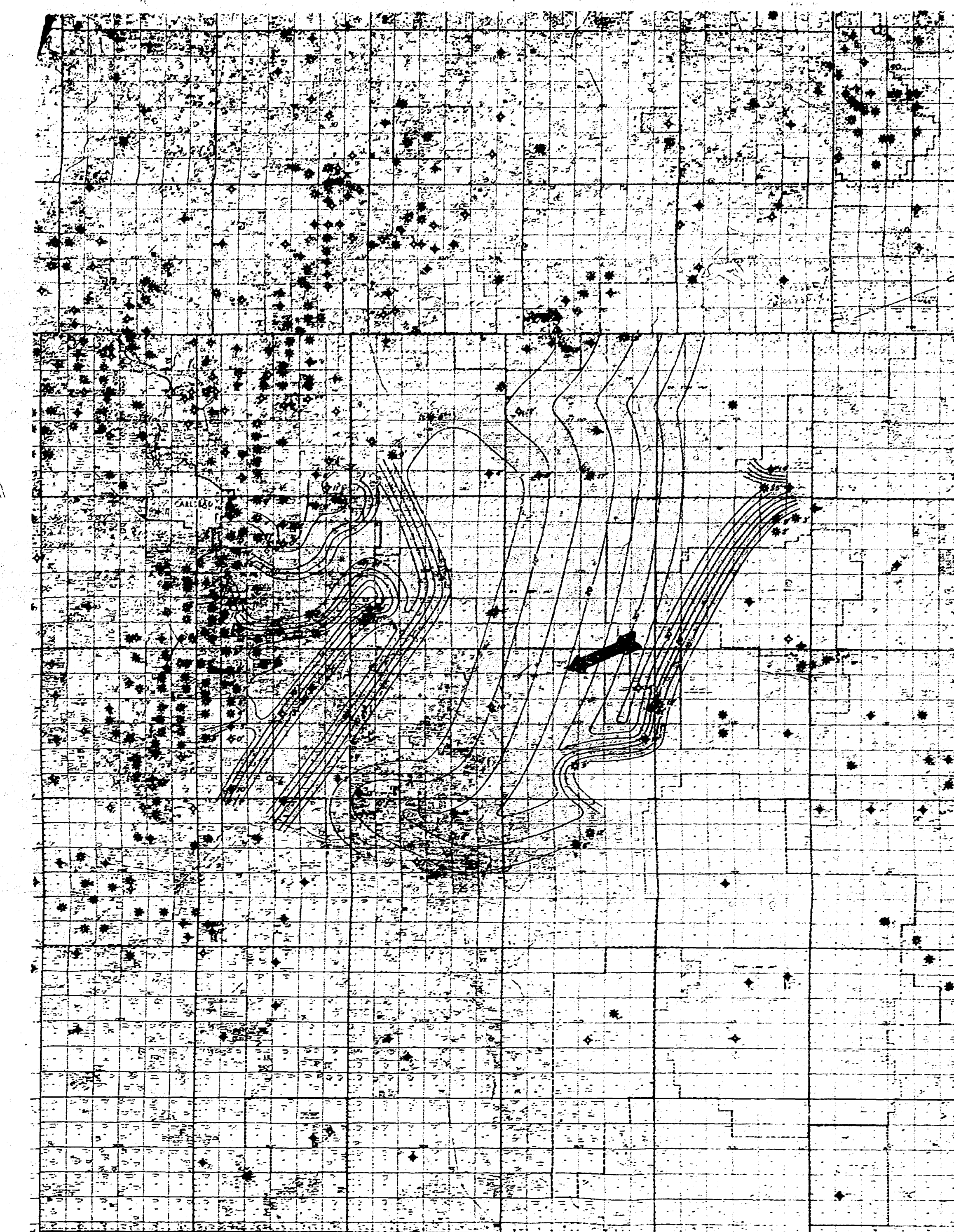
TYPE LOG

AMOCO
No. 1 Teledyne

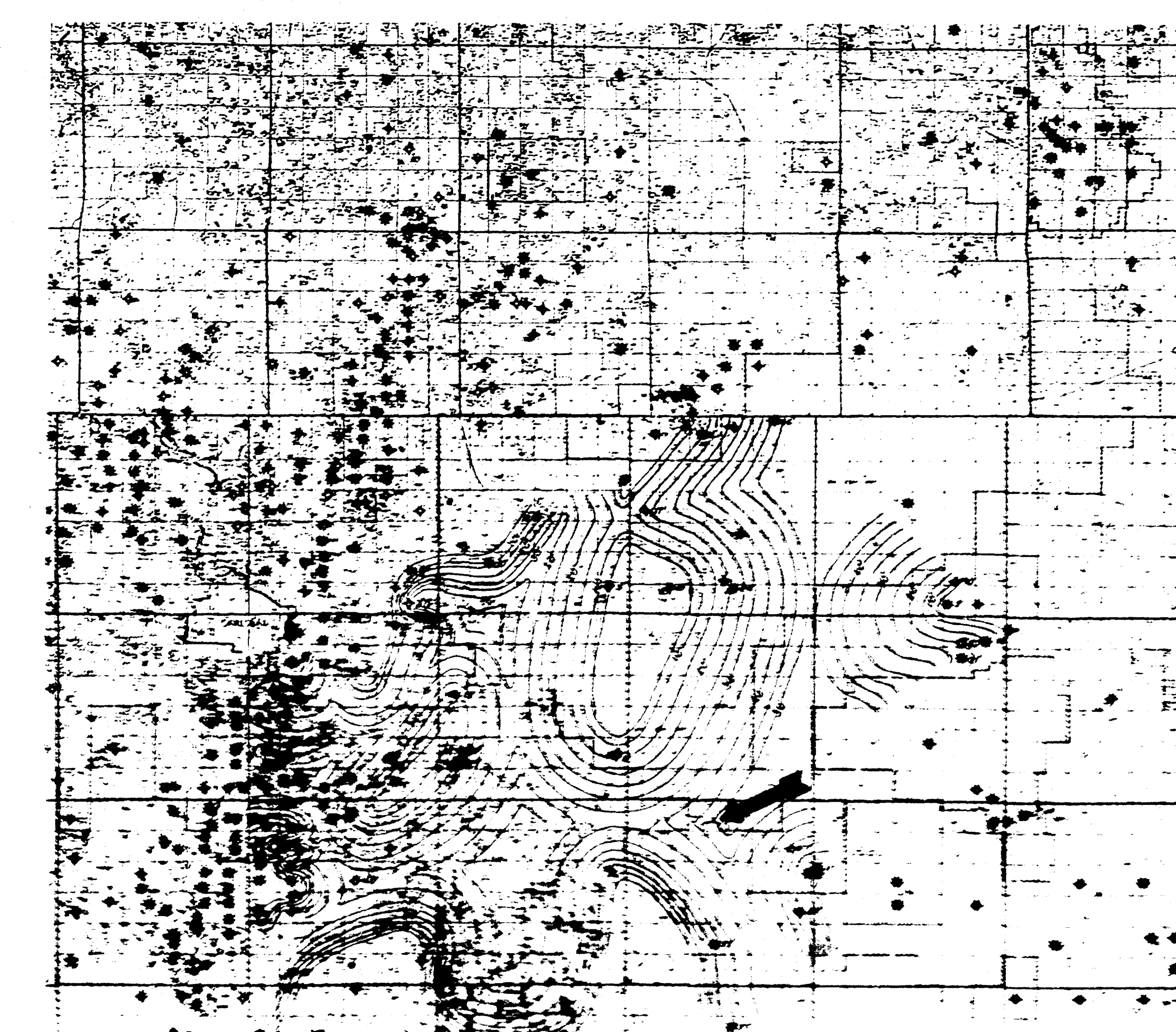


Top Middle Morrow

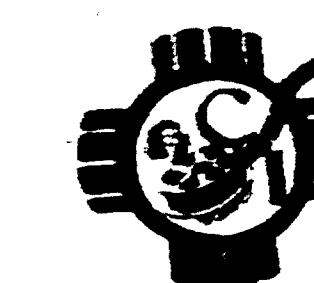
MIDDLE MORROW



"F" Sand



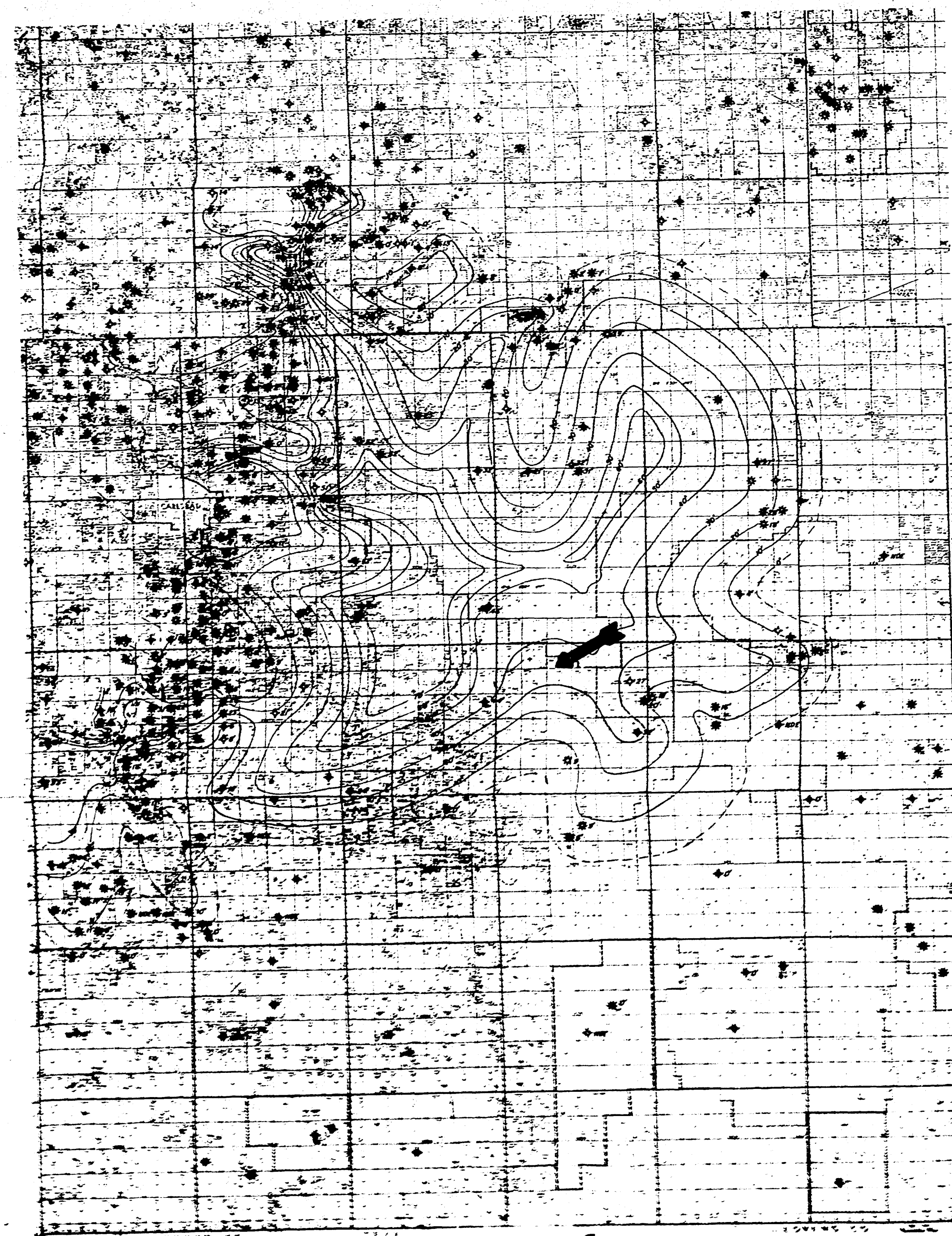
AMOCO



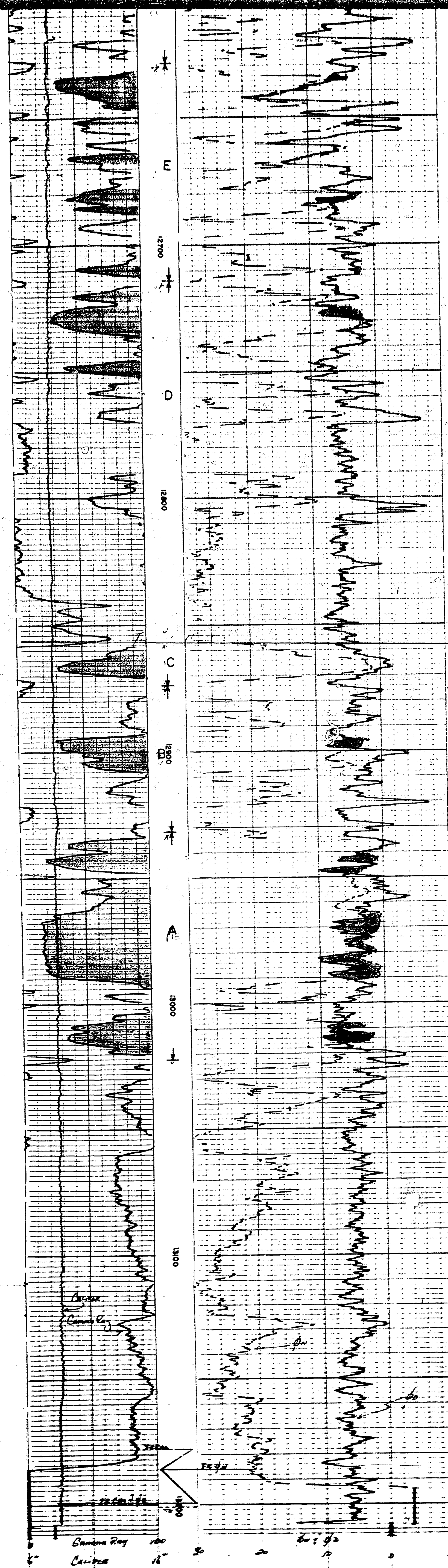
NOT RECOMMENDED



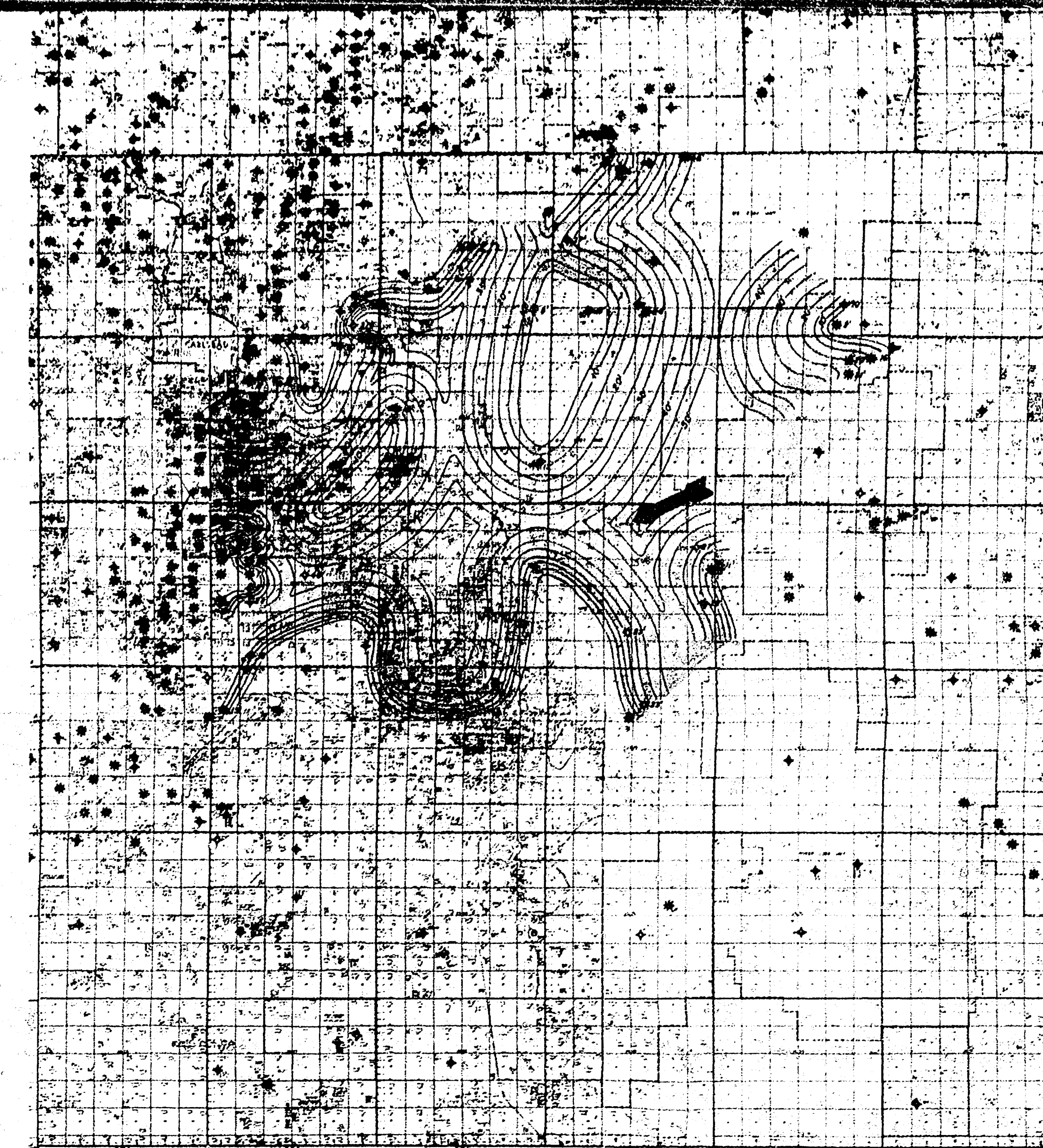
"B" Sand



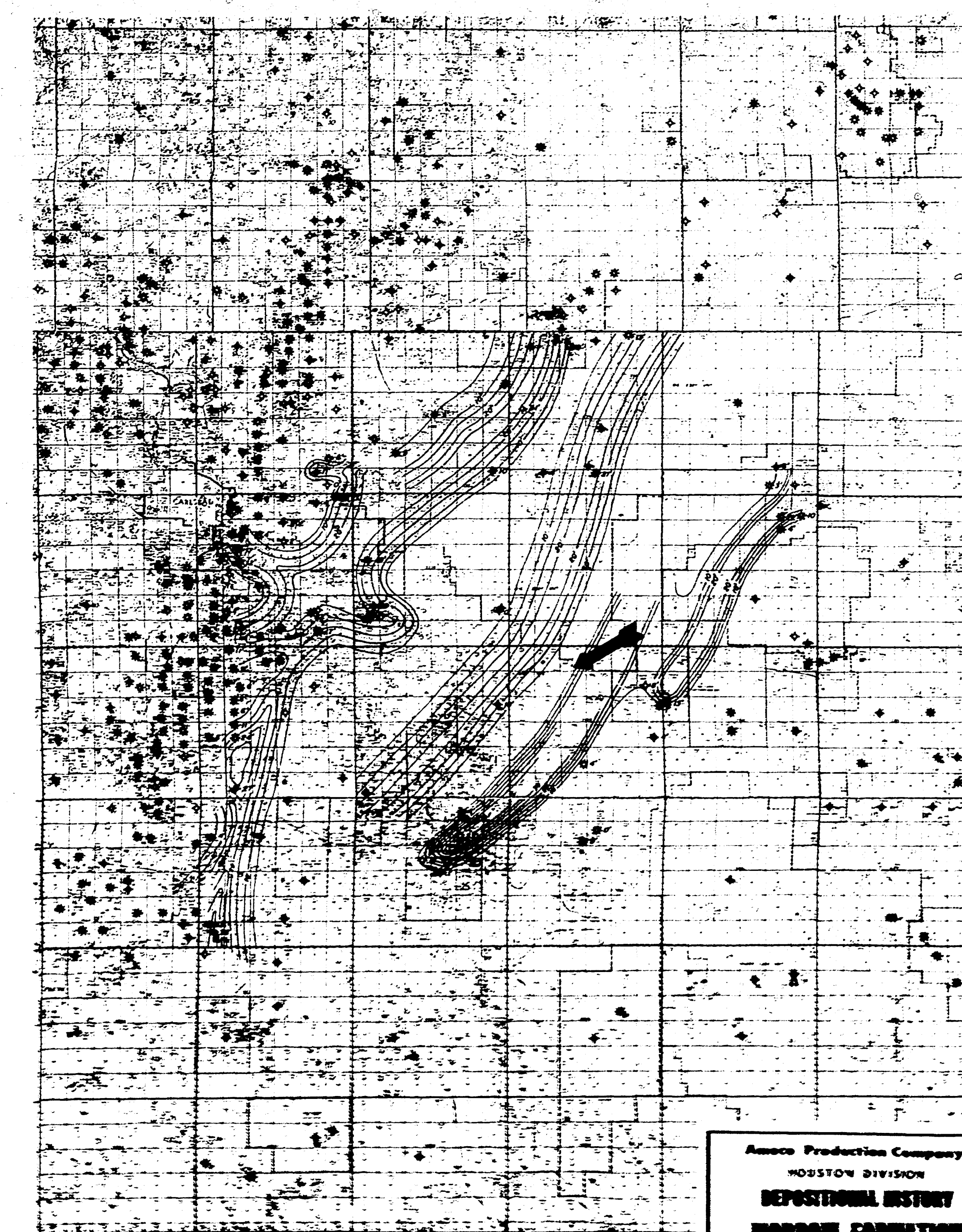
"A" Sand



Top Lower Morrow



"E" Sand



"D" Sand

RECEIVED BY THE STATE
OIL COM. 2
DATE 6-29-77
CASH 1000
SAR 1000
MAY 8-16-78

Amoco Production Company
HOUSTON DIVISION
DEPOSITIONAL HISTORY
MORROW FORMATION
SOUTHEAST EDDY CO., N. TEX.
ENCL NO. DATE 8-77
DOCUMENT NO. GEOL. S.E. 1000



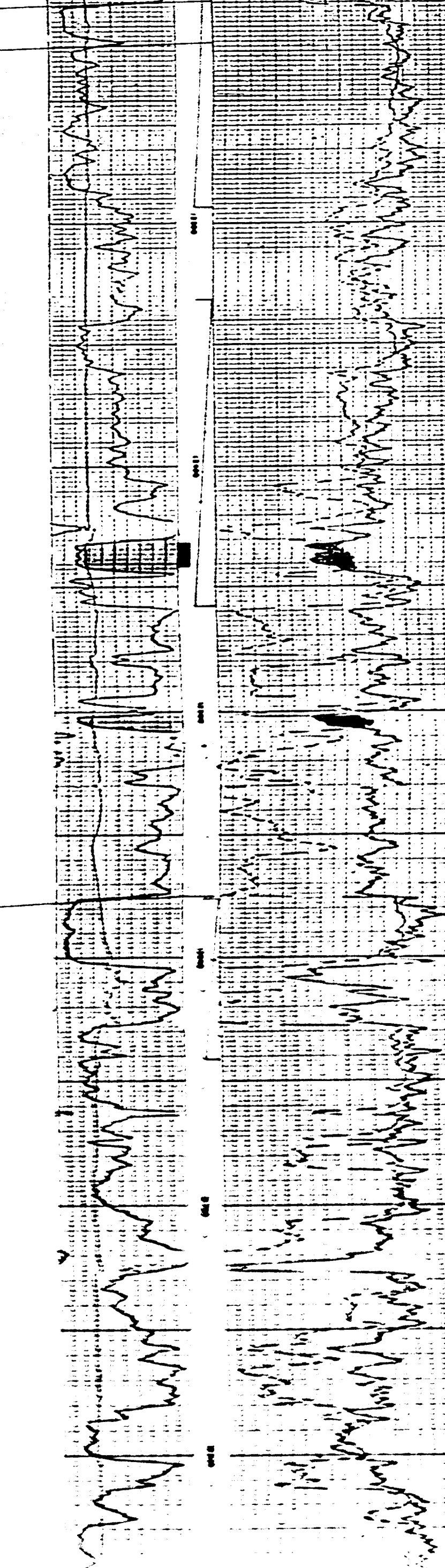
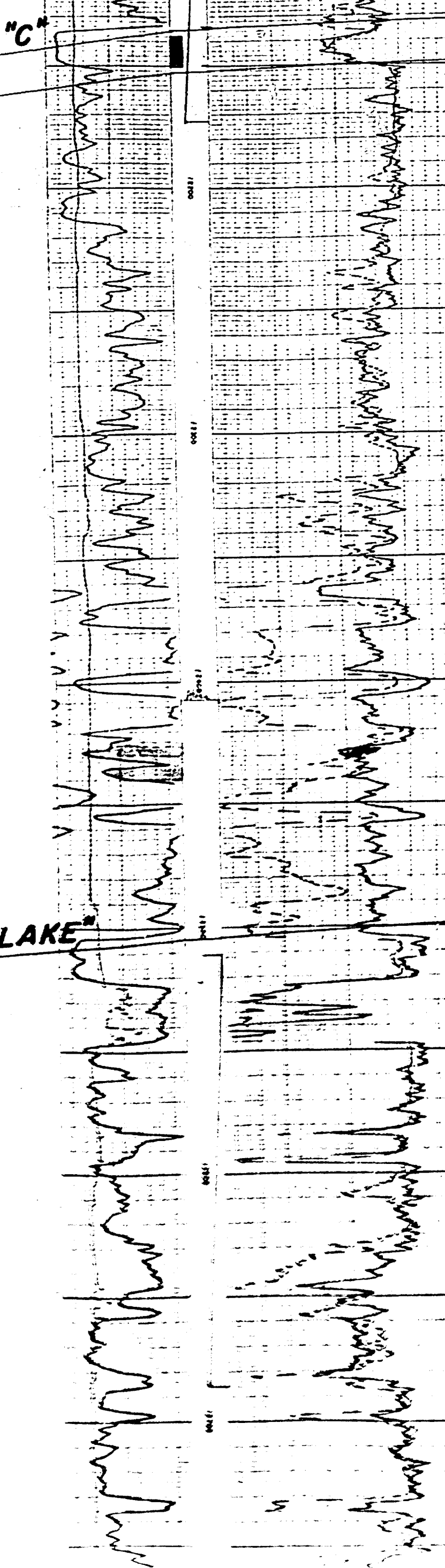
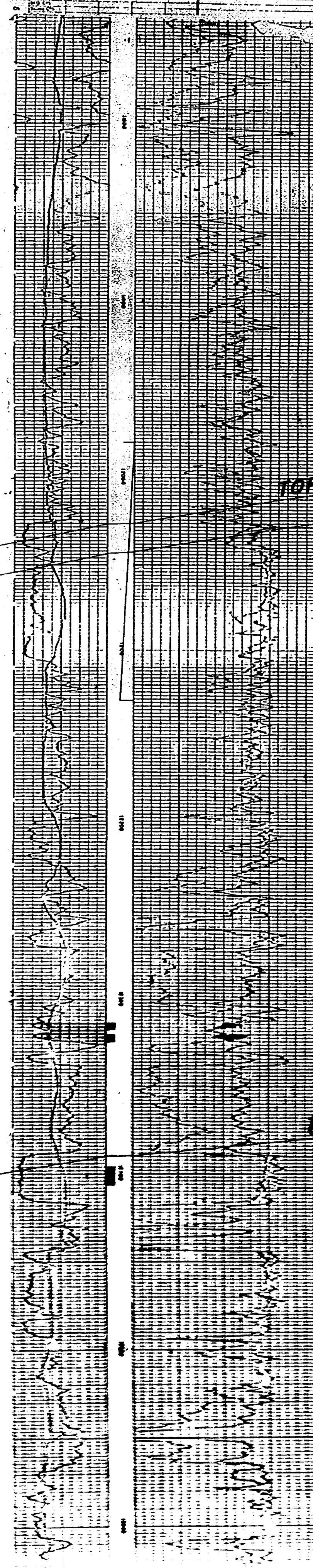
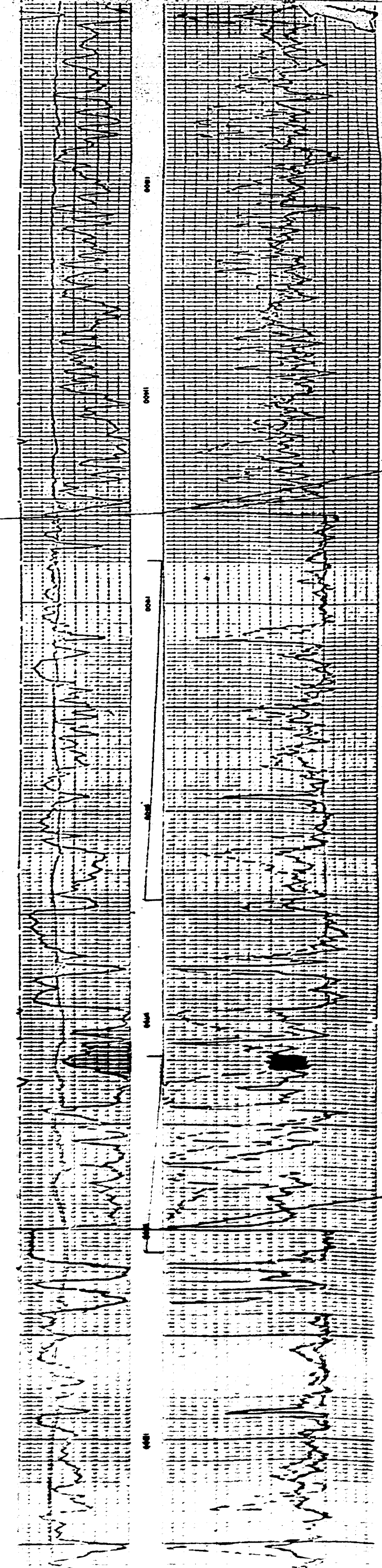
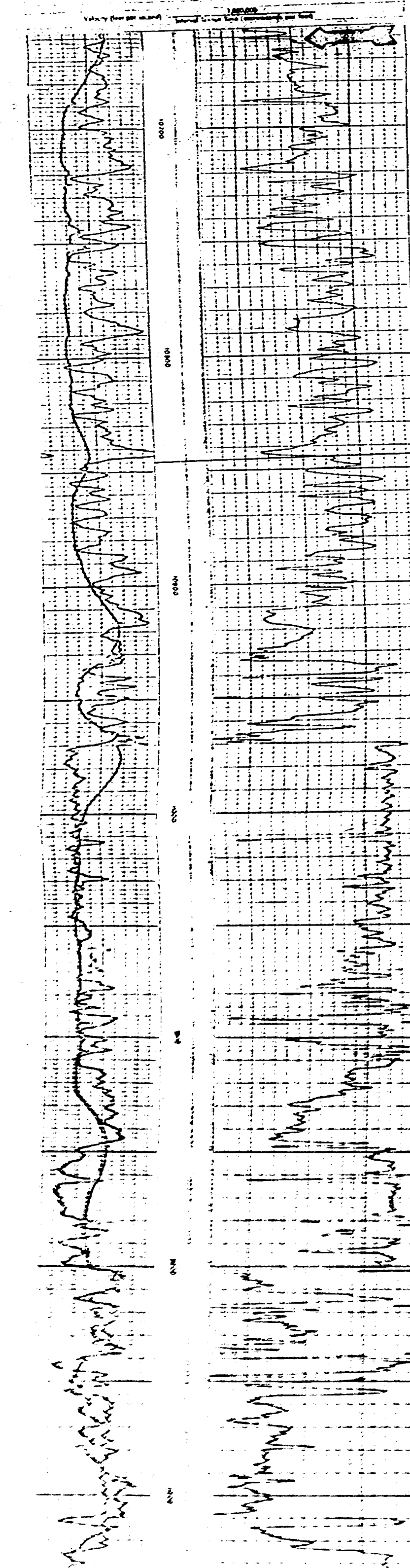
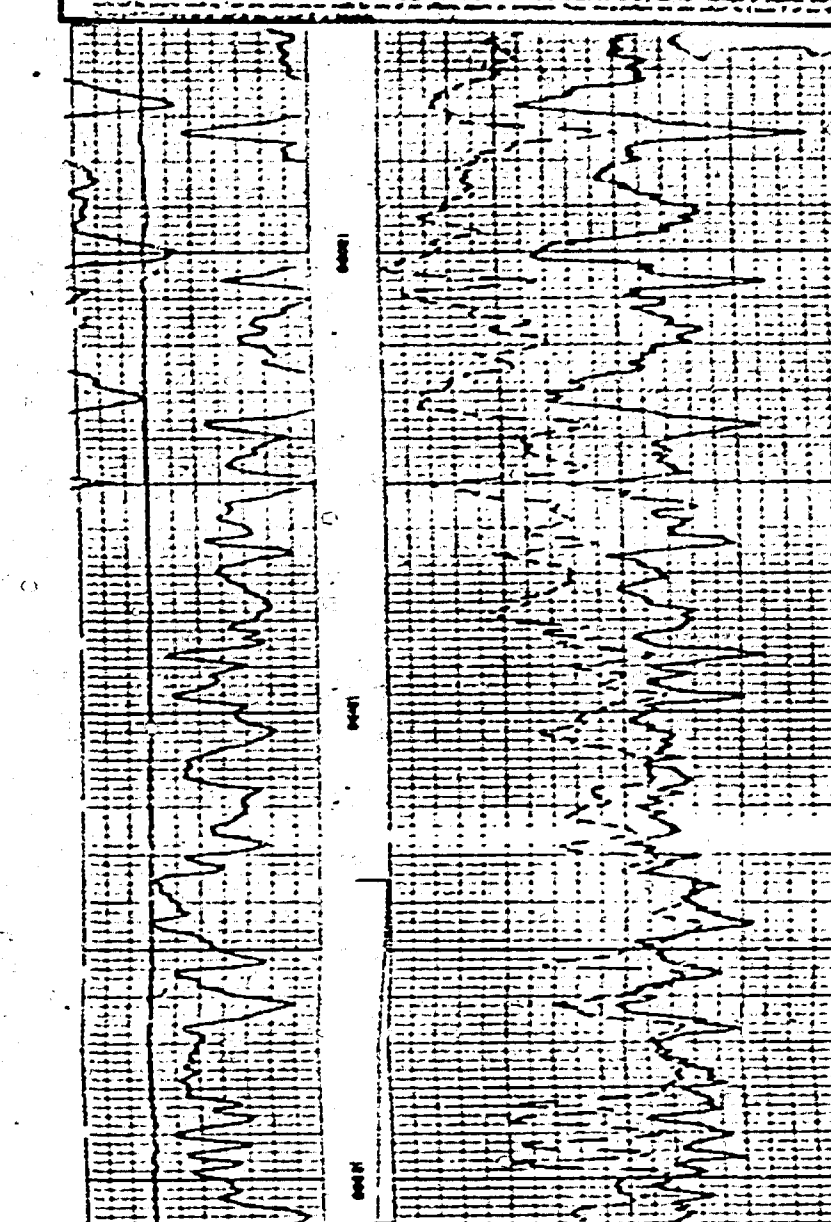
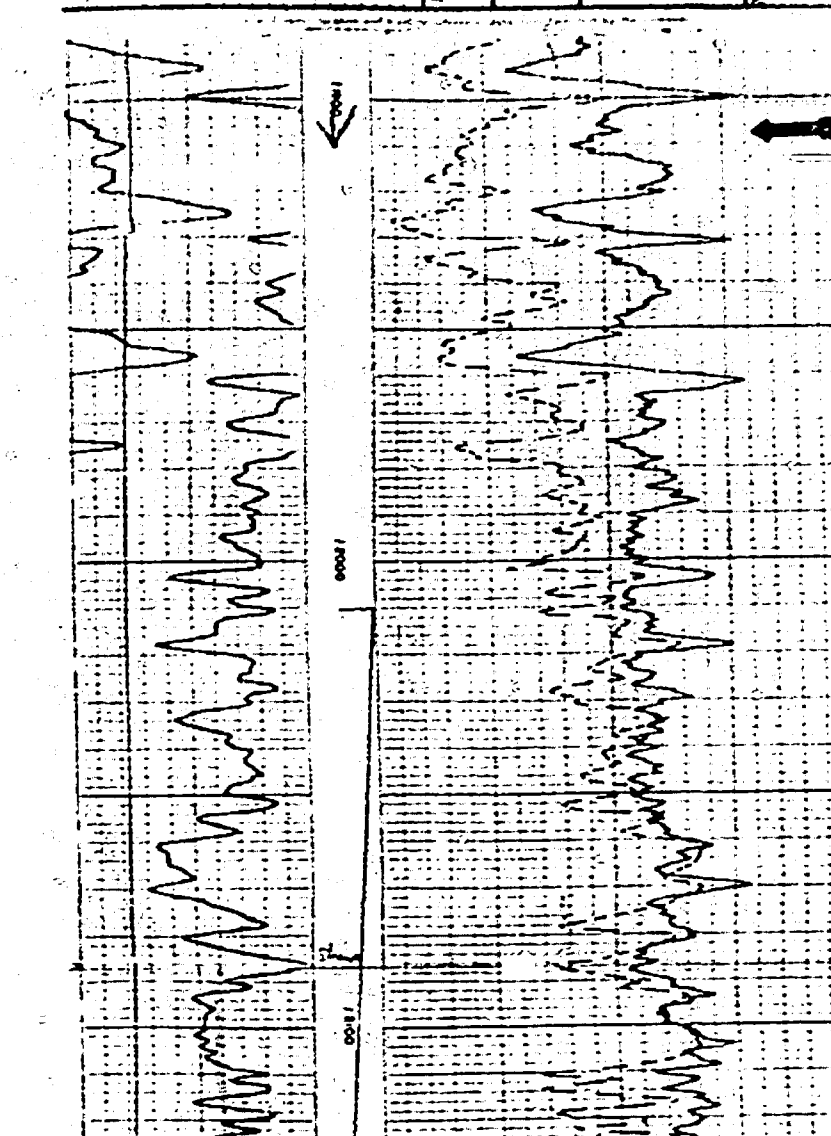
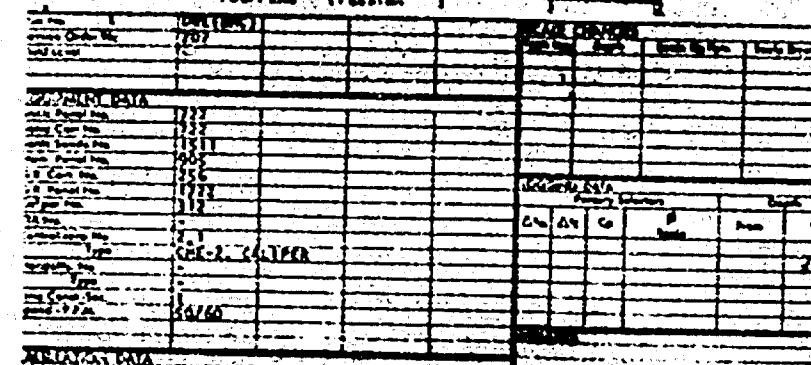
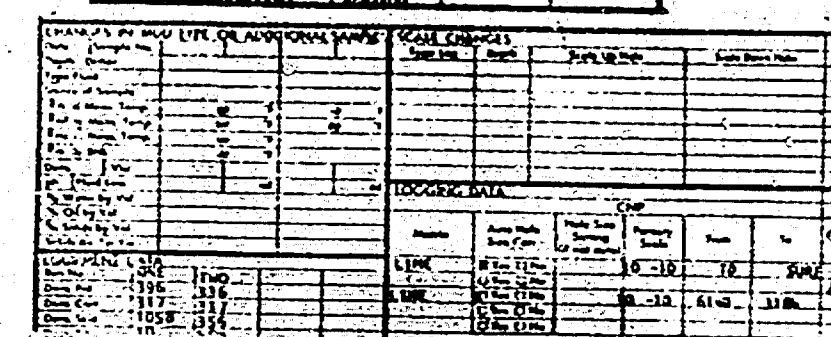
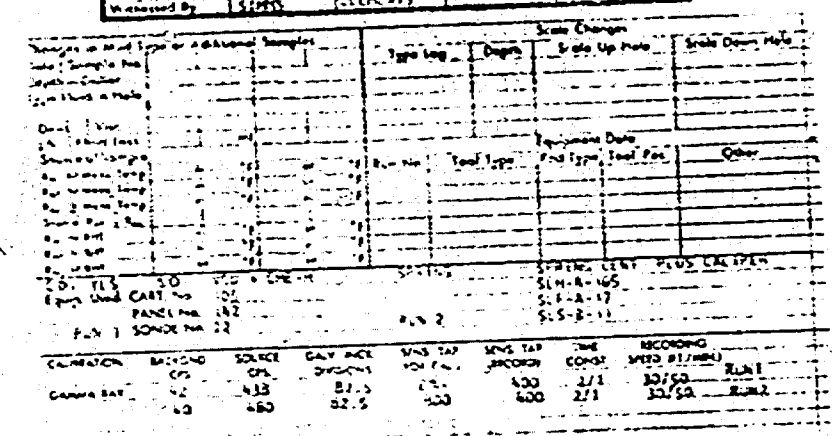
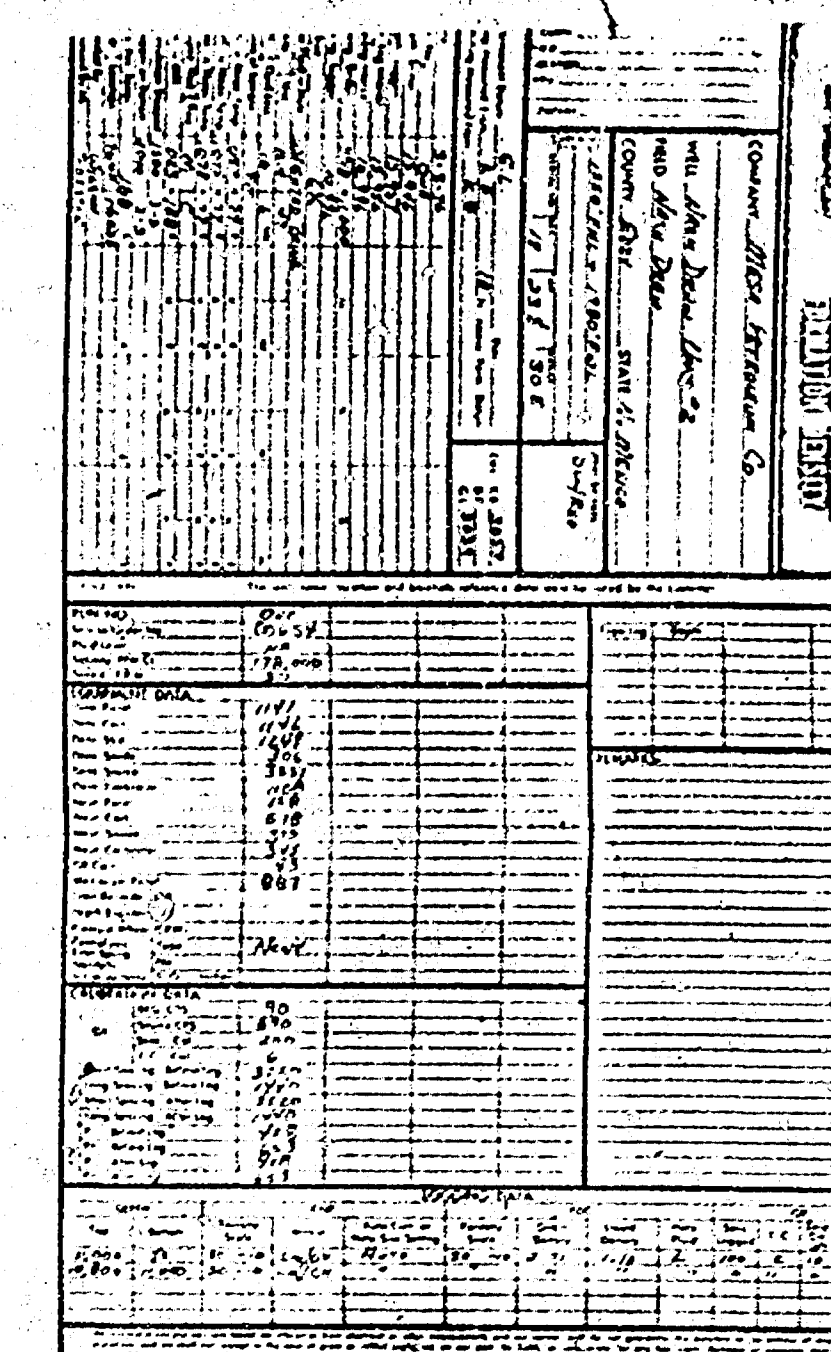
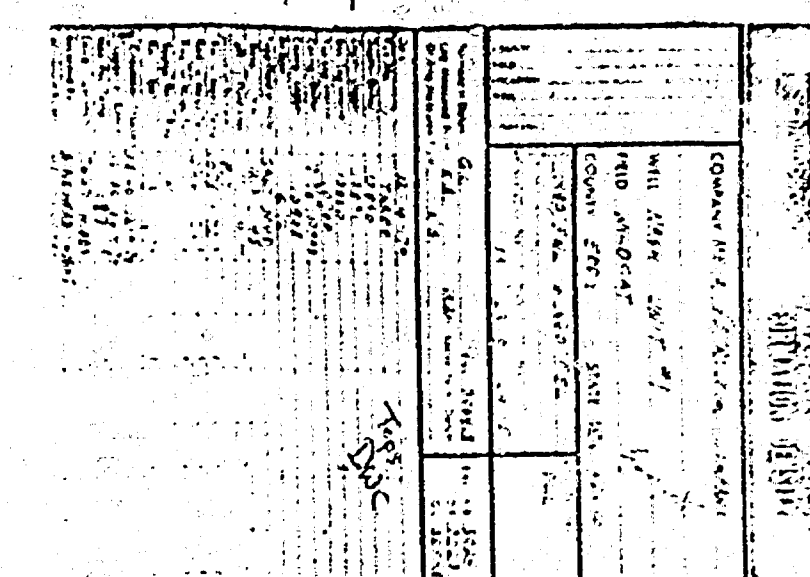
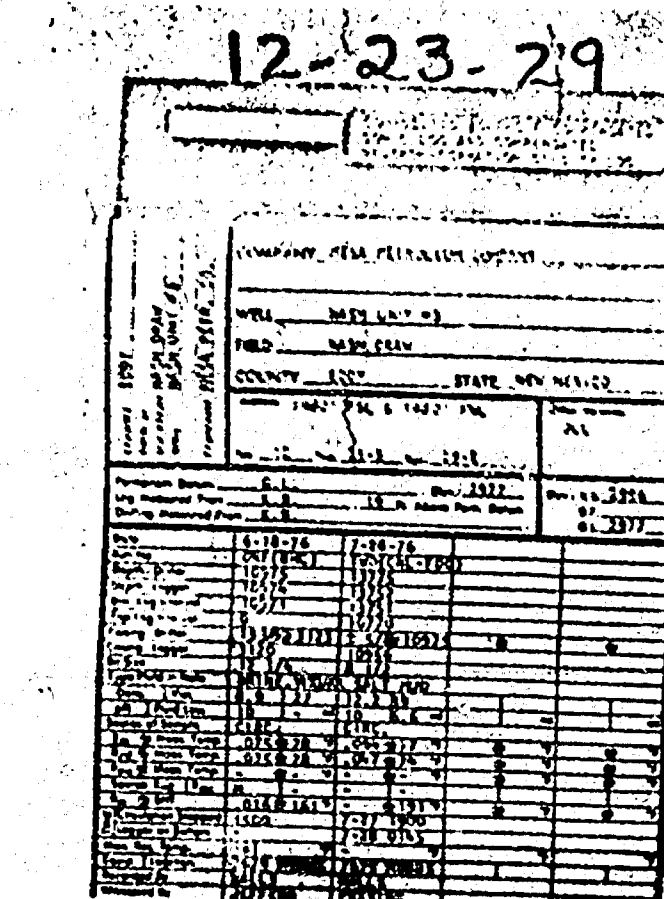
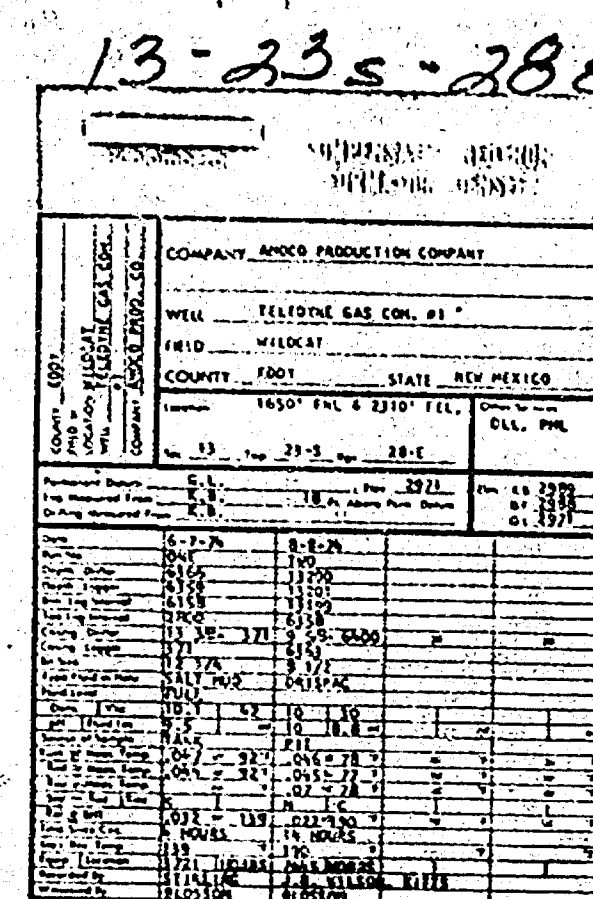
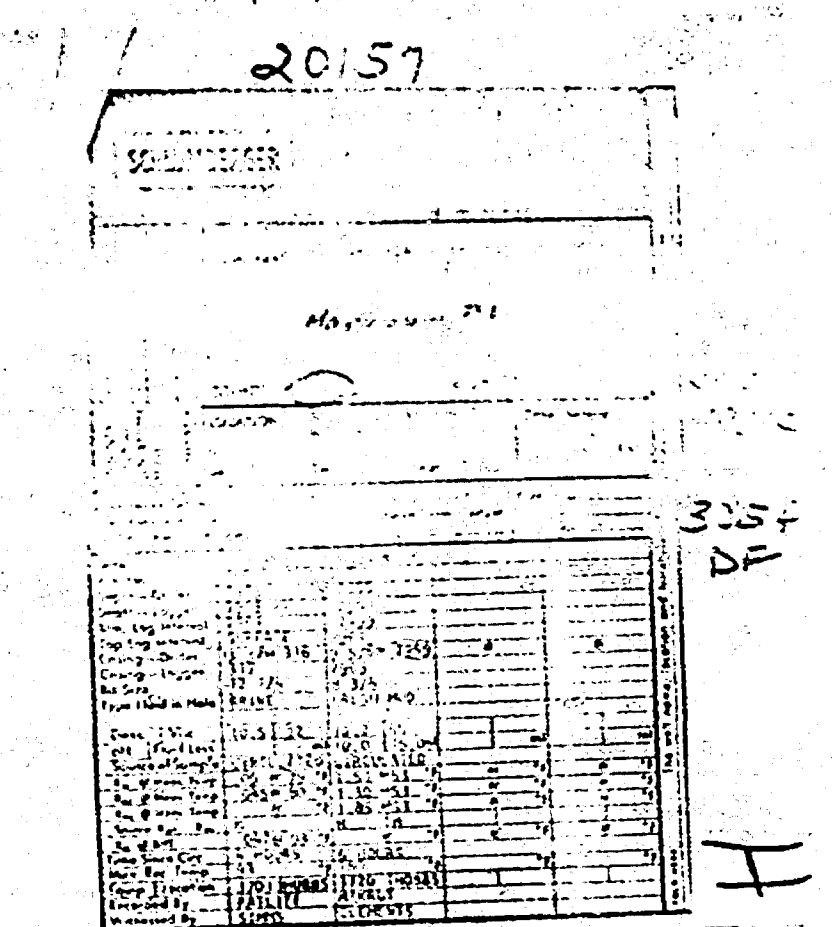
No. 1 Harroyn

No. 1 Electric Gas Cook

No. 1 Nash Unit

No. 1 Nash Unit

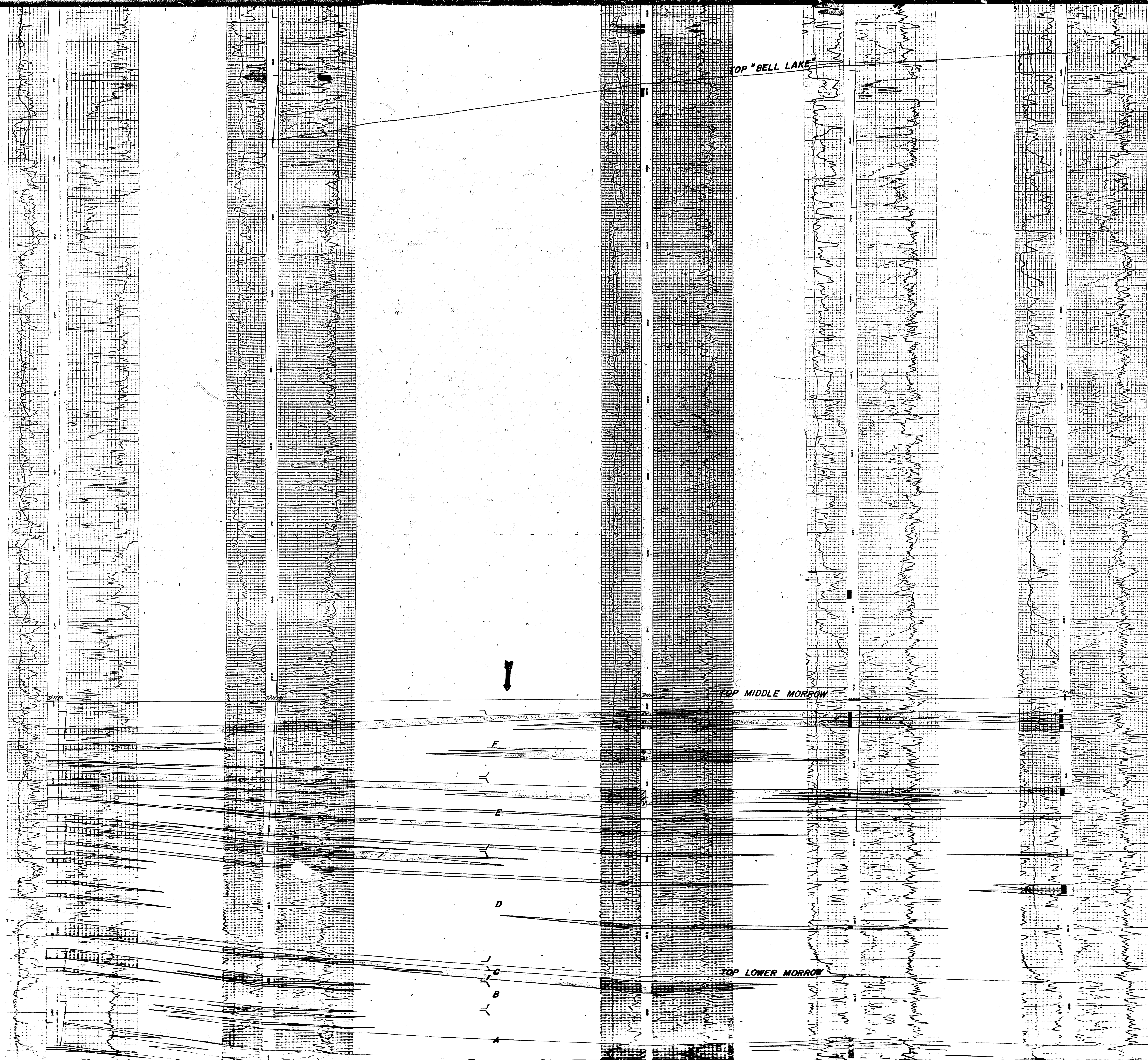
No. 2 Nash Draw Unit

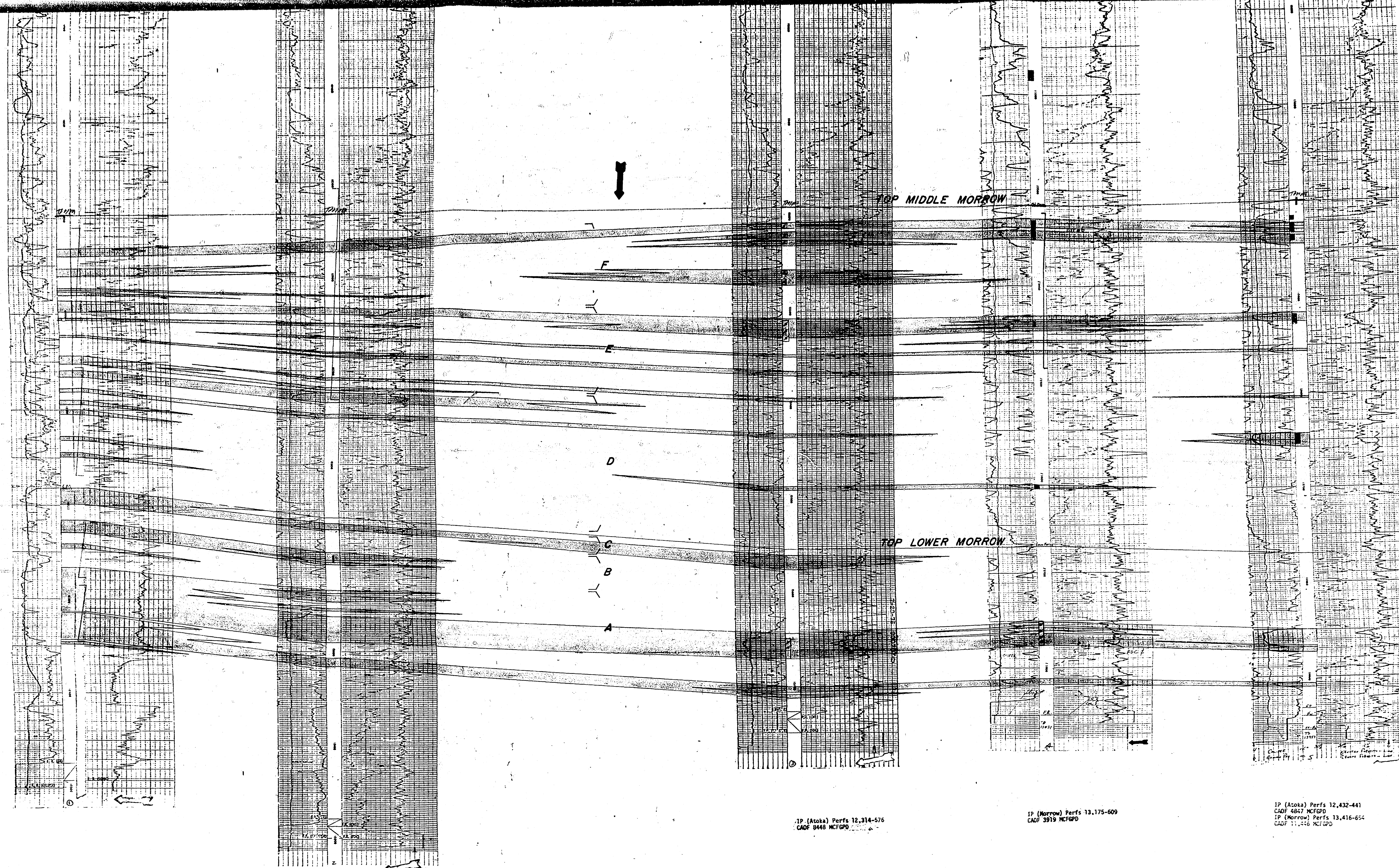


TOP STRAWN "C"

TOP "BELL LAKE"

**BEST AVAILABLE COPY**





#1 DST 11,910-12,025 Op 2:15 Rec MB + 60' DM,
1:30 151P 20784 PP 975-9754, 3:00 FSIP 24124
#2 DST 12,055-100 Op 1:15 Rec MB + 30' GCM,
1:30 151P 52254, PP 1007-9704, 3:00 FSIP
51694
#3 DST 12,220-277 Op 1:00 Rec MB + 378' DM +
1570' SW, 1:30 151P 52984, PP 1273-18214,
3:00 FSIP 52944
#3 DST 12,285-345 Op 2:00 GTS 1:45 9' 157M,
Rec MB + 300' DM + 2150' SW, 1:30 151P
52054, PP 1137-22504, 4:00 FSIP 52804

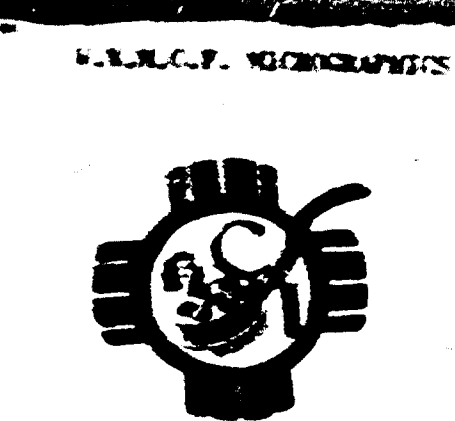
#1 DST 11,479-642 Op 2:15 Rec MB + 200' DF,
1:30 151P 14924, PP 721-7754, 2:00 FSIP
12194
#2 SP-DST 12,505-730 Op 1:30 Rec 470' GCM,
1:30 151P 50544, PP 1700-17204, 2:00 FSIP
50374
#3 SP-DST 11,710-810 Op 1:30 GTS 3:00 88 MCF
Decr 60 MCF Rec 5300' 61SP + 2350' GCM +
640' SW, 1:30 151P 50794, PP 2130-20944,
2:00 FSIP 5724

#1 DST 11,980-12,128 Op 2:39 GTS 55 9' 380 MCF
Incr 800 MCF Rev out 8' MCH + 6' cutting,
1:00 151P 76194, PP 1225-12534, 1:31 FSIP
74934
P-1 Perf 13,648-669 A/3500 would not flow,
good perf
P-2 Perf 13,309-32 swd 180 SF (NS) good Perf
P-3 Perf 13,000-273 A/5000 Flwd est 100 MCF
good perf
P-4 Perf 13,010-090 A/4000 Flwd est 25-75 MCF
good perf
P-5 Perf 12,314-576 A/4000 Flwd 6.5 MCF w/ir
cond

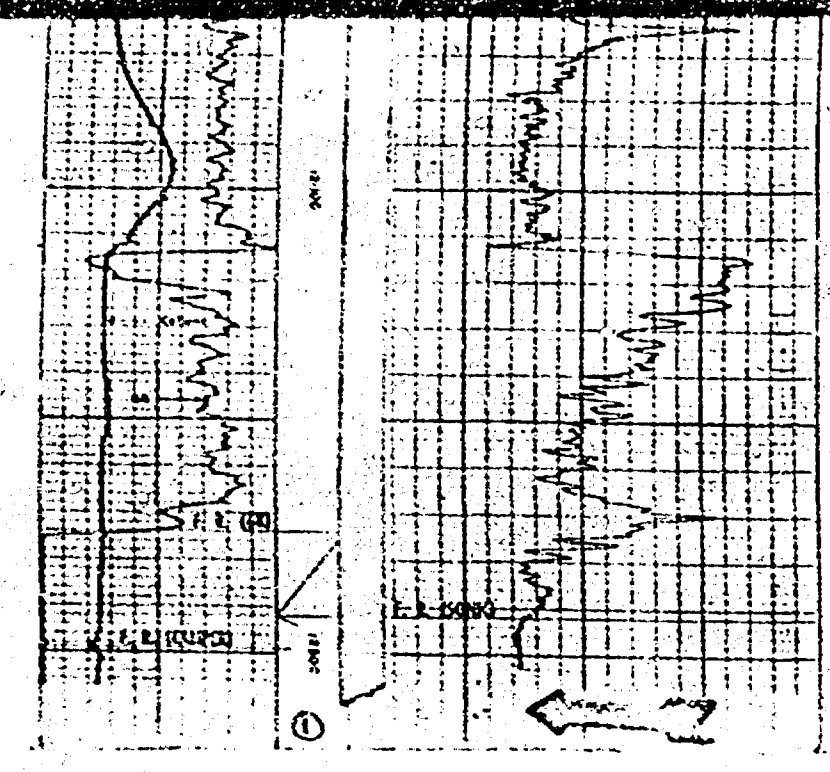
#1 DST 12,010-173 (2500' MB) Op 2:30, GTS 9
6.5 stab 9 5.5 MCF Rev out 5' 80' GCM,
Rec 120' M500PM below sub, 2:00 151P 73294,
PP 2475-31724, 3:00 FSIP 71714
#2 DST 12,010-480 Op 3:00 (2700' MB) Rev out
MB, 2:00 151P 76994, PP 1778-20464, 4:00 FSIP
77504
#3 DST 13,324-485 Op 3:00 (2500' MB) GTS 45 9' 3
MCF Incr to 4 MCF Rev out no rec, 2:00 151P
59014, PP 1348-22004, 4:00 FSIP 58014
P-1 Perfs 13,751-778 A/2000 swd w/ir w/ir ant gas
good perf
P-2 Perfs 12,138-030 A/2500 Flwd 3 MCF w/ir w/ir

1P (Atoka) Perfs 12,432-441
CAOP 4847 MCFPD
1P (Morrow) Perfs 13,416-654
CAOP 11,416 MCFPD

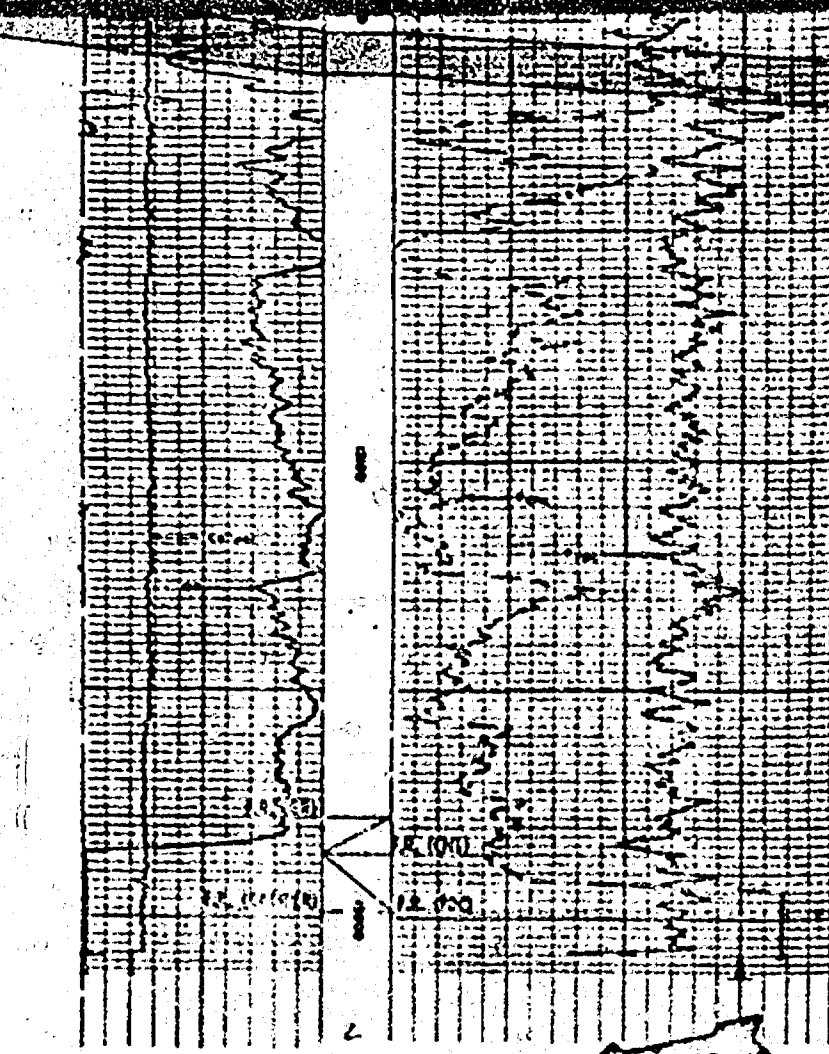
#1 DST 12,136-294 Op 3:20 GTS 15 Rec 1840' MCH
+ 3100' SW GCM, 1:30 151P 73444, PP 2253-25614,
5:30 FSIP 72734
#2 DST 12,332-450 Op 1:30 (4200' MB) GTS 07 8 6
MCH Rec 50' N below sub, 1:30 151P 78354, PP
2842-29704, 2:00 FSIP 75114
#3 DST 12,578-643 Op 1:30 Rec 4500' 611 GCM +
60' 411 GCM, 1:30 151P 50944, PP 1659-18874,
3:00 FSIP 76994



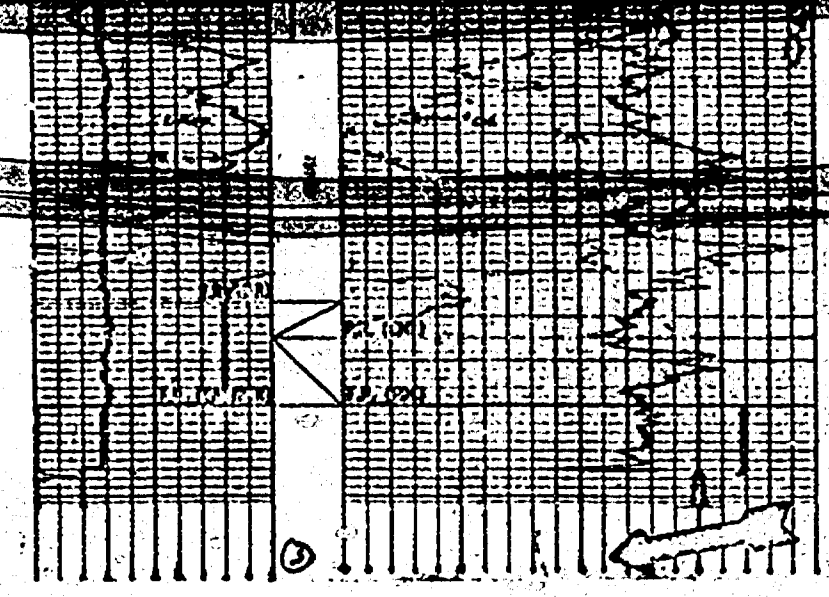
U.S. GEOLOGICAL SURVEY



#1 DST 11,910-12,025 Op 2:15 Rec NB + 60' DM,
1:30 ISIP 20788, PP 975-975A, 3:00 FSIP 24128
#2 DST 12,055-165 Op 1:15 Rec NB + 30' GCM,
1:30 ISIP 5201A, PP 1007-970A, 3:00 FSIP
5169F
#3 DST 12,220-277 Op 1:00 Rec NB + 378' DM +
1570' SN, 1:30 ISIP 5290F, PP 1273-1821A,
3:00 FSIP 5290A
#3 DST 12,355-385 Op 2:00 GTS 1:45 0 TSTM,
Rec NB + 300' DM + 2190' SN, 1:30 ISIP
5302F, PP 1137-2360A, 4:00 FSIP 5308A

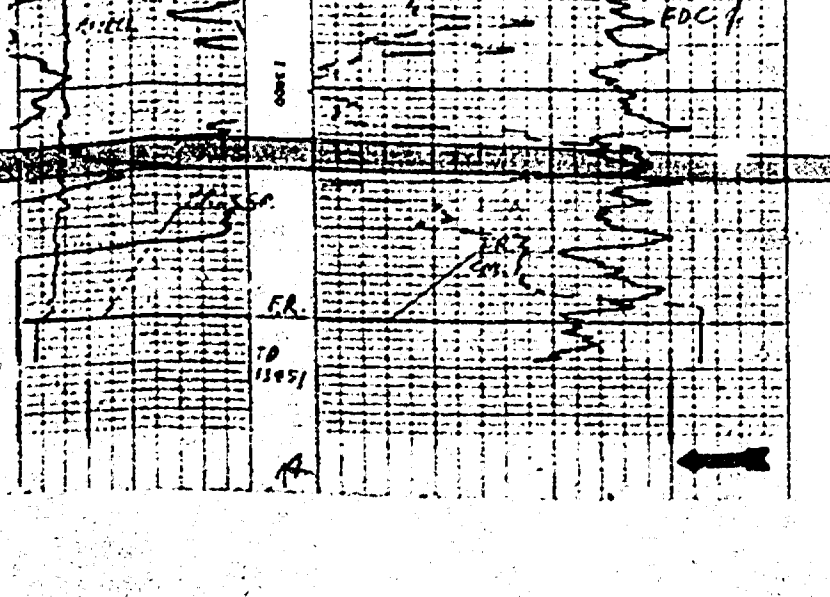


#1 DST 11,479-642 Op 2:15 Rec NB + 2000' DF,
1:00 ISIP 1492A, PP 721-775A, 2:00 FSIP
1221A
#2 SP-DST 12,505-730 Op 1:30 Rec 470' GCM,
1:00 ISIP 5285F, PP 1720-1720A, 2:00 FSIP
5037F
#3 SP-DST 11,718-810 Op 1:30 GTS 3:00 0 20 MCF
Recr 50 MCF Rec 5300' GTS + 2500' GCM +
640' SDF, 1:00 ISIP 5679F, PP 2138-2094A,
2:00 FSIP 5723A



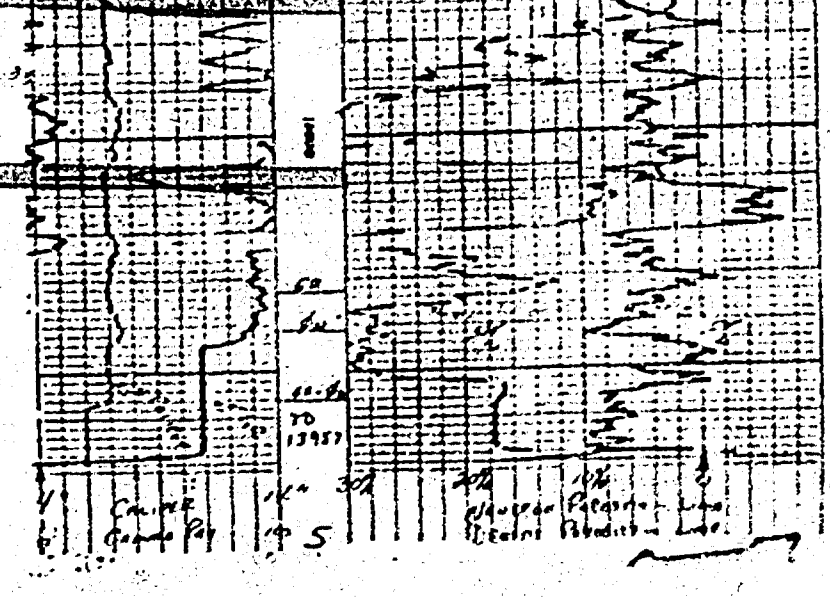
IP (Atoka) Perfs 12,314-576
CAOF 8448 MCFGP

#1 DST 11,980-12,128 Op 2:15 Rec NB + 380 MCF
Recr 800 MCF Recr 800' A/SN + 1' cutting,
1:00 ISIP 7619F, PP 1238-1238A, 1:31 FSIP
7493A
P-1 Perf 13,648-669 A/3500 would not flow,
sized perf
P-2 Perf 13,209-32 w/d 180 BF (NS) sized Perf
P-3 Perf 13,206-273 A/5000 Flwd est 100 MCF
P-4 Perf 13,010-200 A/4000 Flwd est 25-75 MCF
sized perf
P-5 Perf 12,314-576 A/4000 Flwd 5.5 MCF w/tr
cond



IP (Morrow) Perfs 13,175-609
CAOF 5819 MCFGP

#1 DST 12,010-172 (2500' NB) 05:2:30, GTS 0
5.5 MCF 0 5.5 MCF Rev out 5 80' GCM,
Rec 120' M450CPM below sub, 2:00 ISIP 7329F,
PP 9475-2714A, 3:00 FSIP 7171A
#2 DST 12,210-685 Op 3:00 (2700' NB) Rev out
NB, 2:00 ISIP 7697F, PP 1778-2046A, 4:00 FSIP
7720F
#3 DST 13,224-485 Op 3:00 (2500' NB) GTS:45 0 3
MCF Incr to 4 MCF Rev out no rec, 2:00 ISIP
5901F, PP 1348-2260A, 4:00 FSIP 5821F
P-1 Perfs 13,133-178 A/2500 w/d wtr w/nt gas
P-2 Perfs 12,138-5160 A/2500 Flwd 3 MCF w/hv sp wtr



IP (Atoka) Perfs 12,432-441
CAOF 4867 MCFGP
IP (Morrow) Perfs 13,416-614
CAOF 11,446 MCFGP

#1 DST 12,136-294 Op 3:20 GTS:15 Rec 1840' HGM
+ 3100' sll GCM, 1:30 ISIP 7344A, PP 2083-2561A,
3:30 FSIP 7272A
#2 DST 12,332-438 Op 1:30 (4000' NB) GTS:07 0 8.6
MCF Rec 50' N below sub, 1:30 ISIP 7839F, PP
2042-2095A, 2:00 FSIP 7811A
#3 DST 12,575-640 Op 1:35 Rec 4000' sll GCM +
60' sll GCM, 1:30 ISIP 8052A, PP 1856-1887A,
3:00 FSIP 7699A

BEFORE EXAMINATION
ON CONSERVATIVE CONSIDERATION
Amoco Production Company
CSE NO. 4422
Submitted by Amoco
Hearing Date 8-1-78

Amoco Production Company
HOUSTON DIVISION
EAST-WEST CROSS SECTION
TELEDYNE-CULEBRA BLUFF AREA
ENCL. NO. DATE 8-77
DOCUMENT NO. GEOL. E. H. BURBANK



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