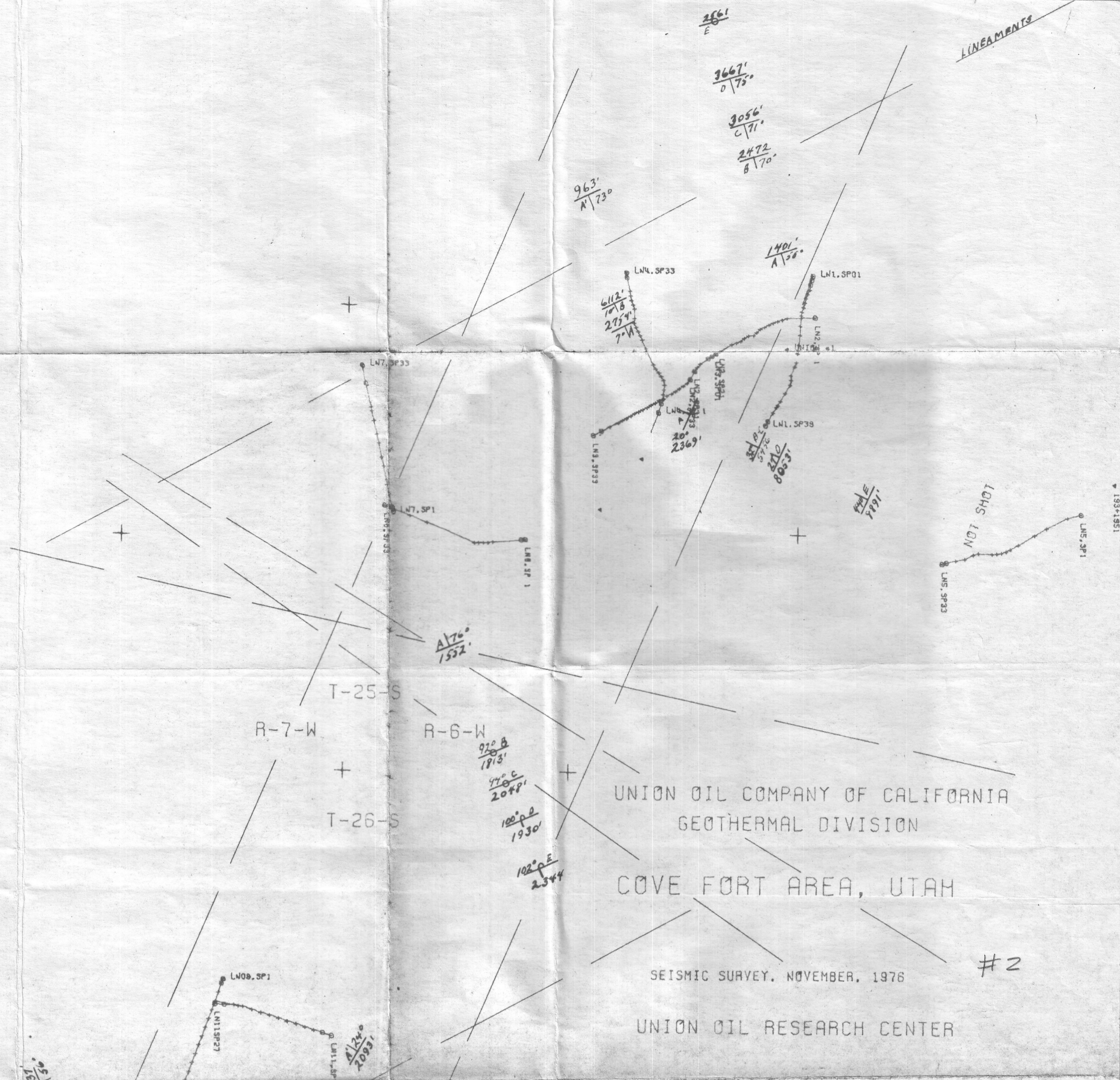


LINEAMENTS

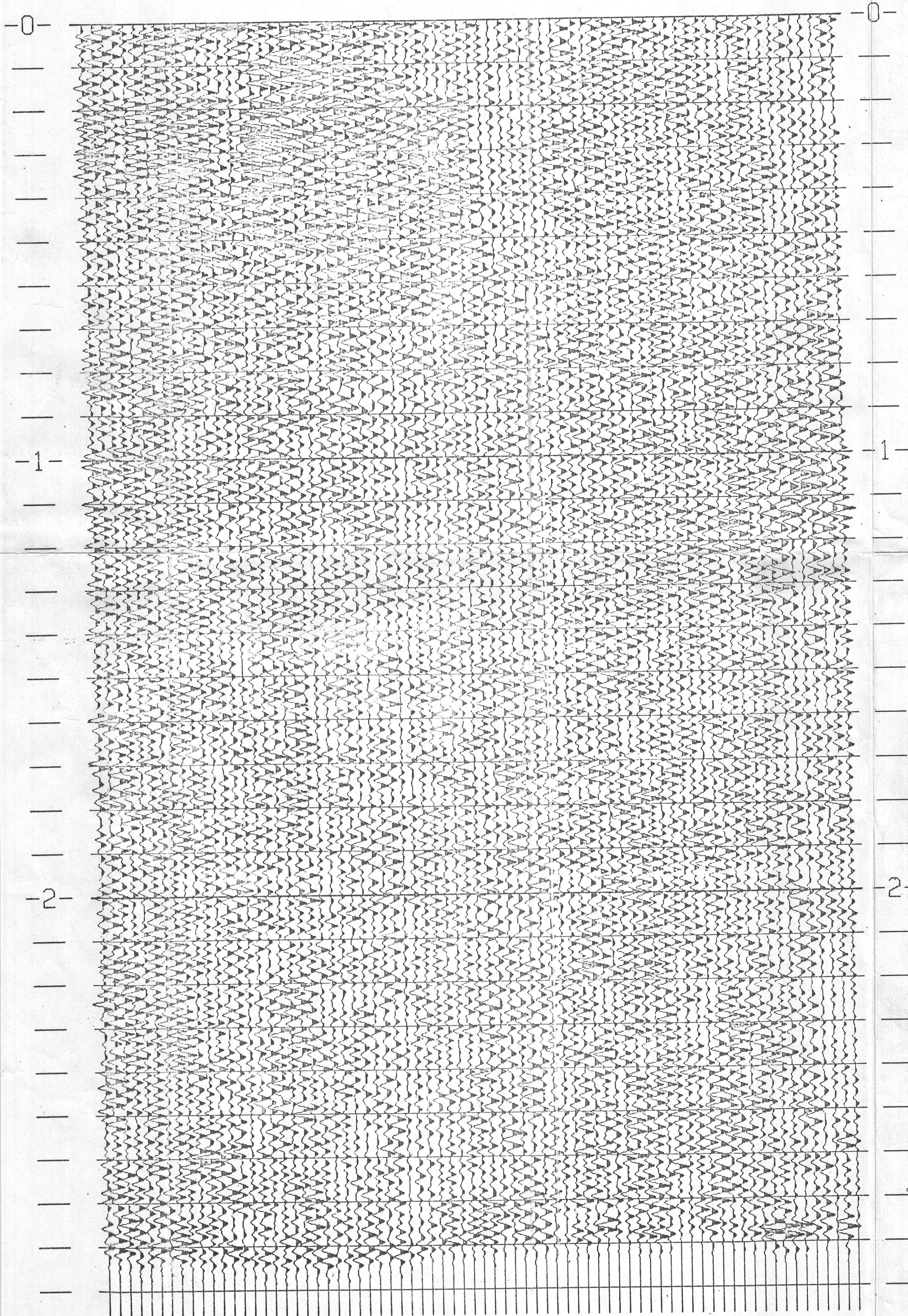


UNION OIL COMPANY OF CALIFORNIA
 GEOTHERMAL DIVISION
 COVE FORT AREA, UTAH

SEISMIC SURVEY, NOVEMBER, 1978 #2
 UNION OIL RESEARCH CENTER

scale $\approx 1:24,000$
 $1" \approx 2000'$

#2



LINE 002.003 UNION OIL GEOTHERMAL DIVISION
 SHOT POINTS 1,2,3,30,31,32,LINE2-1,2,3,LINE3
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

FIELD RECORDING DATA

RECORDED BY UNION OIL RESEARCH DATE NOVEMBER 15, 1976
 ENERGY SOURCE A
 SOURCE PATTERN LINEAR, 14 FOOT SEPERATION, (4.27M)
 PER RECORD, 50-80 PULSES/RECORD
 SOURCE ARRAY INTERVAL 110 FT. (33.55M)
 VERTICAL FOLD 8
 INSTRUMENTS OFS III
 RECORDING FILTER 12/18-124 GAIN CONTROL FIXED
 TRACE INTERVAL 110 FEET (33.) SAMPLE RATE 2 MS
 GROUP PATTERN 3 INLINE
 RECORD LENGTH 8 SECONDS GEO'S=HP MODEL L-108
 SPREAD VARIABLE (3 SP'S OFF EACH END)
 MULTIPLICITY THREE FOLD EXCEPT END OF LINE TAPERS

DIGITAL PROCESSING SEQUENCE

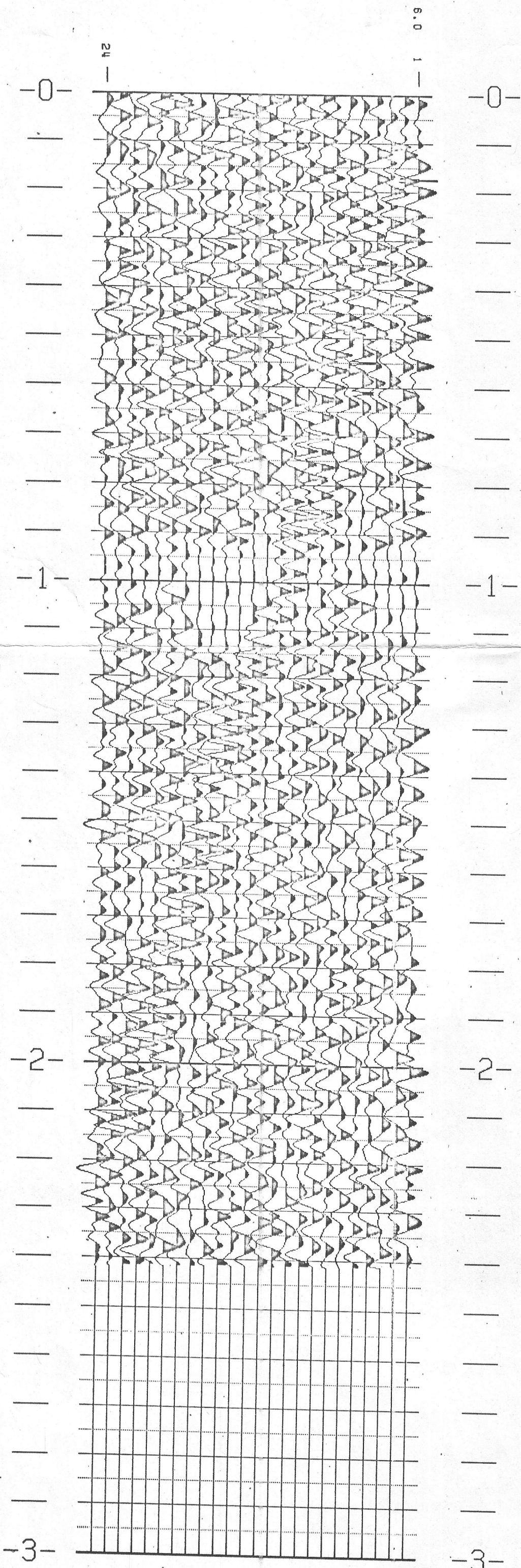
PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 2/15/77
 76102 1 DEMULTIPLEX FIXED GAIN AGC WINDOW
 TRUE AMPLITUDE RECOVERY
 1026 3 TRACE EDIT
 VELOCITY ANALYSIS
 IMT3 4 NORMAL MOVE OUT CORRECTION CHART #7638
 IMT4 5 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 HAND STATICS
 GE13 6 3FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 GE98 8 FILTER 25-35/55-65, 101PT, OPR.
 GE90 2 SHIFT/SUMMED THRESHOLD, 7000, -2500
 GE99 9 SAAG, 127-128
 GE99 10 PLOT, 200MS/IN. -.12IN/TR., .14IN DEF., VAR

#2

GL04402-4



RESEARCH CENTER



LINE UNION OIL GEOTHERMAL DIVISION, LINE # 1
 SHOT POINTS (6.0 @ 515 W)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

FIELD RECORDING DATA

RECORDED BY UNION OIL RESEARCH DATE NOV. 15, 1976
 ENERGY SOURCE A
 SOURCE PATTERN 2 SHOTS INLINE

SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 2
 INSTRUMENTS DFS III

RECORDING FILTER 12/18-124 GAIN CONTROL BINARY

TRACE INTERVAL 1-24 RIGHT-LEFT SAMPLE RATE 2 MS

RECORD LENGTH 5 SECONDS GROUP PATTERN 9 INLINE
 SPREAD 110 - 2530 GEO'S=HP MODEL L-10A

MULTIPLICITY 3 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

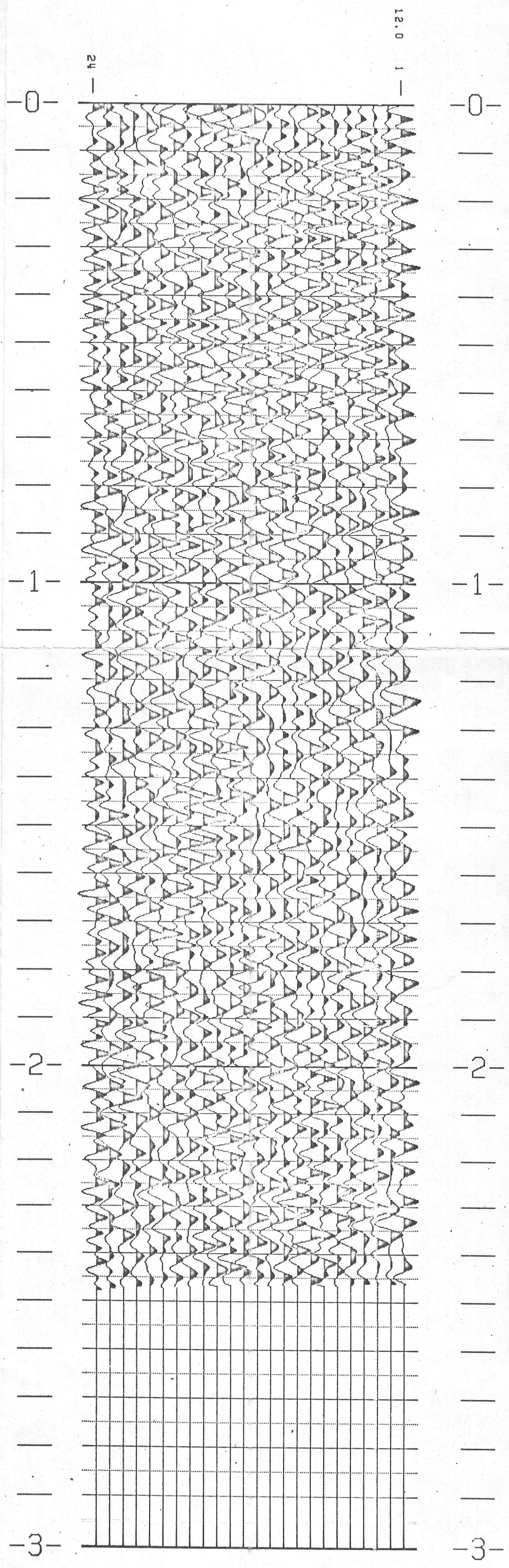
PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/28/77
 01010 1 DEMULTIPLEX LINEAR AGC WINDOW
 TRUE AMPLITUDE RECOVERY
 TRACE EDIT
 VELOCITY ANALYSIS
 500514 5 NORMAL MOVE OUT CORRECTION CHART # 8852+1.12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500515 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 500516 7 FILTER BANDPASS 5-10 35-40 HZ.
 500508 2 IUCVTX -CONVERT FROM IBM SEQ. TO UNION FORMAT
 500512 3 HANDSTAK BULK STATIC CORRECTIONS
 500513 4 VERTSTAK VERTICAL STACK
 500517 8 DYNSCAL LAG 220 MLS. LEAD 30 MLS.
 500517 9 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES :
 VW = 2500'/SEC.
 VR = 10000'/SEC.

#2



G104402.5

RESEARCH CENTER



LINE UNION OIL GEOTHERMAL DIVISION, LINE # 1
 SHOT POINTS (12.0 @ S15 W)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

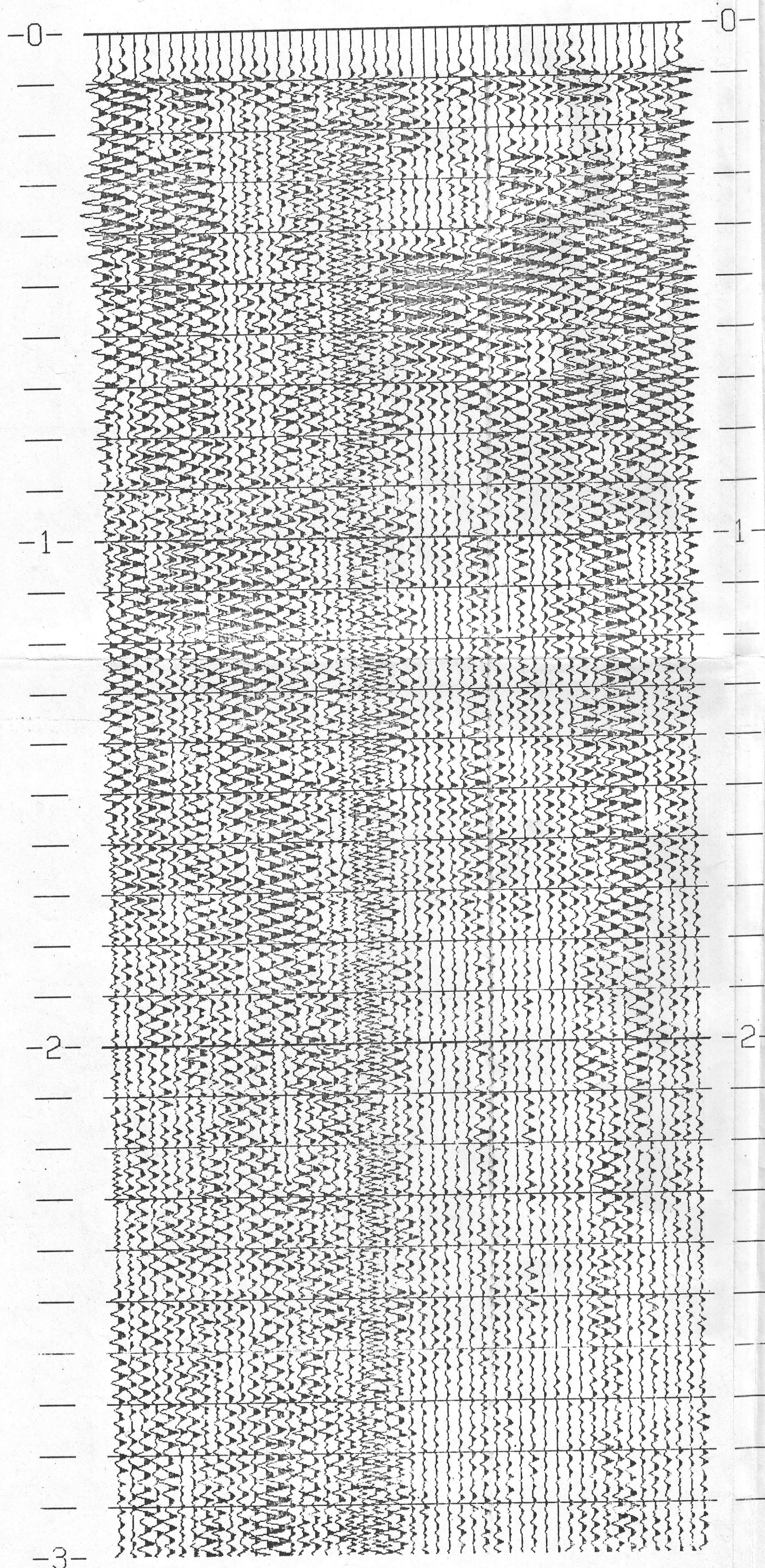
FIELD RECORDING DATA

RECORDED BY UNION OIL RESEARCH DATE NOV. 15, 1976
 ENERGY SOURCE A
 SOURCE PATTERN 2 SHOTS INLINE
 SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 2
 INSTRUMENTS DFS III
 RECORDING FILTER 12/18-124 GAIN CONTROL BINARY
 TRACE INTERVAL 1-24 RIGHT-LEFT SAMPLE RATE 2 MS
 RECORD LENGTH 5 SECONDS GROUP PATTERN 9 INLINE
 SPREAD 110 - 2530 GEO'S=HP MODEL L-10A
 MULTIPLICITY 2 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/28/77
 01010 1 DEMULTIPLEX LINEAR AGC WINDOW
 TRUE AMPLITUDE RECOVERY
 TRACE EDIT
 VELOCITY ANALYSIS
 500514 5 NORMAL MOVE OUT CORRECTION CHART # 8852+L12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500515 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 500516 7 FILTER BANDPASS 5-10 35-40 HZ.
 500508 2 IUCVTX -CONVERT FROM IBM SEQ. TO UNION FORMAT
 500512 3 HANDSTAK BULK STATIC CORRECTIONS
 500513 4 VERTSTAK VERTICAL STACK
 500517 8 DYNSCALE LAG 220 MLS. LEAD 30 MLS.
 500517 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES :
 VW = 2500'/SEC.
 VR = 10000'/SEC.

#2



LINE 008 UNION OIL GEOTHERMAL DIVISION
 SHOT POINTS 1,2,3,30,31,32
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

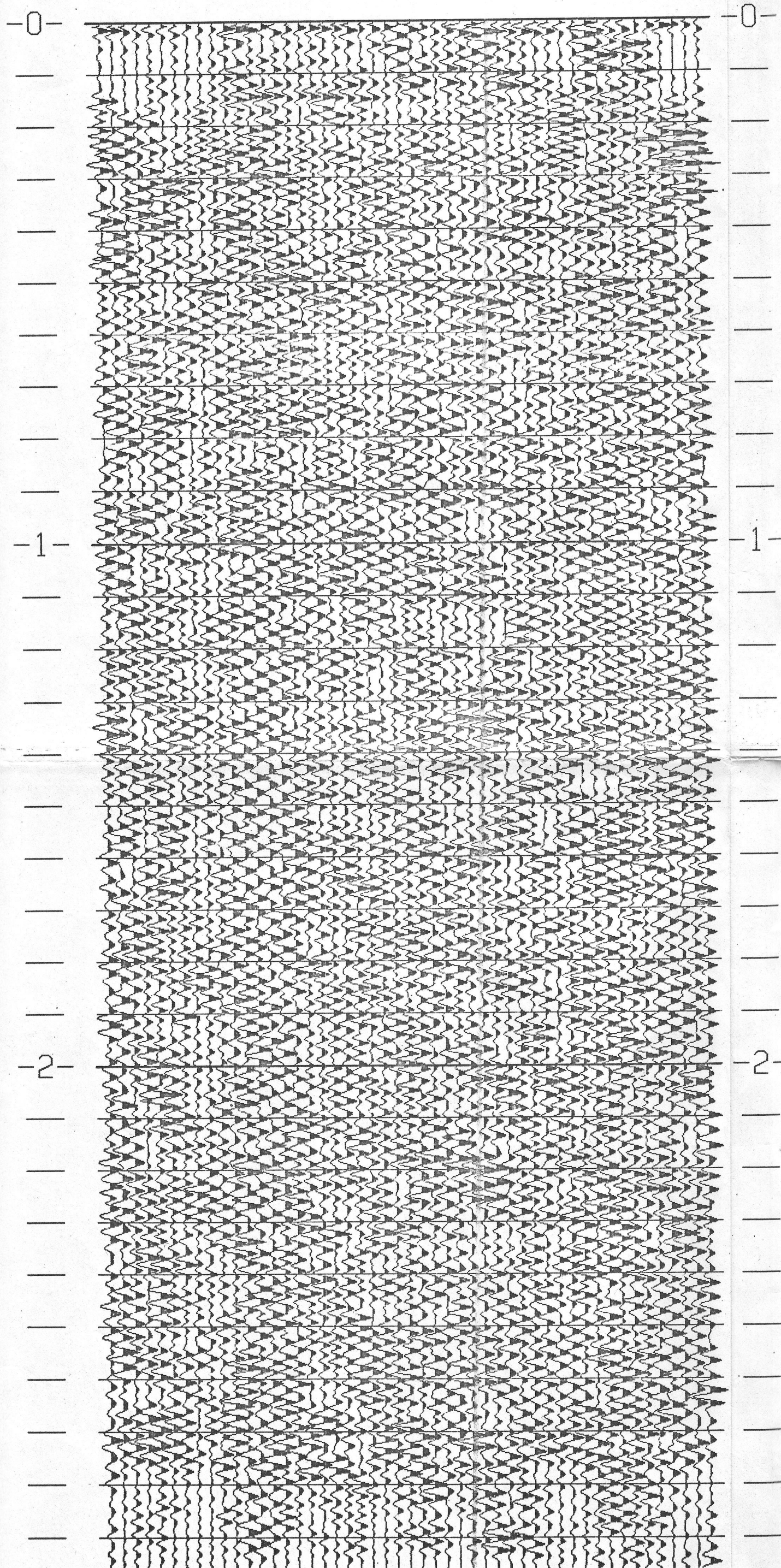
FIELD RECORDING DATA

RECORDED BY UNION OIL RESEARCH DATE NOVEMBER 15, 1976
 ENERGY SOURCE A
 SOURCE PATTERN LINEAR, 14 FOOT SEPERATION, (4.27M)
 PER RECORD, 50-80 PULSES/RECORD
 SOURCE ARRAY INTERVAL 110 FT. (33.55M)
 VERTICAL FOLD 8
 INSTRUMENTS DFS III
 RECORDING FILTER 12/18-124 GAIN CONTROL FIXED
 TRACE INTERVAL 110 FEET (33.55M) SAMPLE RATE 2 MS
 RECORD LENGTH 8 SECONDS GROUP PATTERN 9 INLINE
 SPREAD VARIABLE (3 SP'S OFF EACH END) GEO'S=HP MODEL L-10A
 MULTIPLICITY THREE FOLD EXCEPT END OF LINE TAPERS

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 1/27/77
 76108 1 DEMULTIPLEX FIXED GAIN AGC WINDOW
 TRUE AMPLITUDE RECOVERY
 GE08 3 TRACE EDIT
 VELOCITY ANALYSIS
 IMT1 4 NORMAL MOVE OUT CORRECTION CHART #1176
 IMT2 5 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 HAND STATICS
 IMT4 6 3FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 GE98 7 FILTER 30-35/50-125 101PT. OPR
 GE90 2 SHIFT/SUMMED THRESHOLD, 7000, -2500
 GE98 8 PLOT, 200MS/IN, -.12IN/TR., .14IN DEF., VAR

#2



LINE 009 UNION OIL GEOTHERMAL DIVISION
 SHOT POINTS 1,2,3,30,31,32
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

FIELD RECORDING DATA

RECORDED BY UNION OIL RESEARCH
 DATE NOVEMBER 15, 1976
 ENERGY SOURCE A
 SOURCE PATTERN LINEAR, 14 FOOT SEPERATION, (4.27M)
 PER RECORD, 50-80 PULSES/RECORD
 SOURCE ARRAY INTERVAL 110 FT. (33.55M)
 VERTICAL FOLD 8
 INSTRUMENTS DFS III
 GAIN CONTROL FIXED
 RECORDING FILTER 12/18-124
 SAMPLE RATE 2 MS
 TRACE INTERVAL 110 FEET (33.55M)
 GROUP PATTERN 9 INLINE
 RECORD LENGTH 8 SECONDS GEO'S=HP MODEL L-10A
 SPREAD VARIABLE (3 SP'S OFF EACH END)
 MULTIPLICITY THREE FOLD EXCEPT END OF LINE TAPERS

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 2/14/77
 76109 1 DEMULTIPLEX FIXED GAIN AGC WINDOW
 TRUE AMPLITUDE RECOVERY
 GE02 3 TRACE EDIT
 VELOCITY ANALYSIS
 IMT1 4 NORMAL MOVE OUT CORRECTION CHART # 7638
 IMT2 5 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 HAND STATICS
 GE96 6 3FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 GE97 7 FILTER 25-35/55-65, 101PT, OPR.
 GE90 2 SHIFT/SUMMED THRESHOLD, 7000, -2500
 GE71 8 SAAG, 127-128
 GE71 9 PLOT, 200MS/IN, -.12IN/TR., .14IN DEF., VAR

#2

LINE 001 UNION OIL GEOTHERMAL DIVISION
 SHOT POINTS 1,2,3,30,31,32
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

FIELD RECORDING DATA

RECORDED BY UNION OIL RESEARCH
 DATE NOVEMBER 15, 1976

ENERGY SOURCE A
 SOURCE PATTERN LINEAR, 14 FOOT SEPERATION, (4.27M)
 PER RECORD, 50-80 PULSES/RECORD

SOURCE ARRAY INTERVAL 110 FT. (33.55M)

VERTICAL FOLD 8

INSTRUMENTS DFS III

RECORDING FILTER 12/18-124
 GAIN CONTROL FIXED

TRACE INTERVAL 110 FEET (33.)
 SAMPLE RATE 2 MS

RECORD LENGTH 8 SECONDS
 GROUP PATTERN 9 INLINE
 GEO'S=HP MODEL L-10A

SPREAD VARIABLE (3 SP'S OFF EACH END)

MULTIPLICITY THREE FOLD EXCEPT END OF LINE TAPERS

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH

SAMPLE RATE 2MS DATE 2/16/77

76101 1 DEMULTIPLEX FIXED GAIN AGC WINDOW

TRUE AMPLITUDE RECOVERY

7601 3 TRACE EDIT

VELOCITY ANALYSIS

IMT1 4 NORMAL MOVE OUT CORRECTION CHART # 7638

IMT2 5 DATUM STATICS

RESIDUAL MOVE OUT CORRECTION

AUTOMATIC STATICS

HAND STATICS

IMT4 6 3FOLD COMMON DEPTH POINT STACK

DECONVOLUTION NONE PT OPERATOR

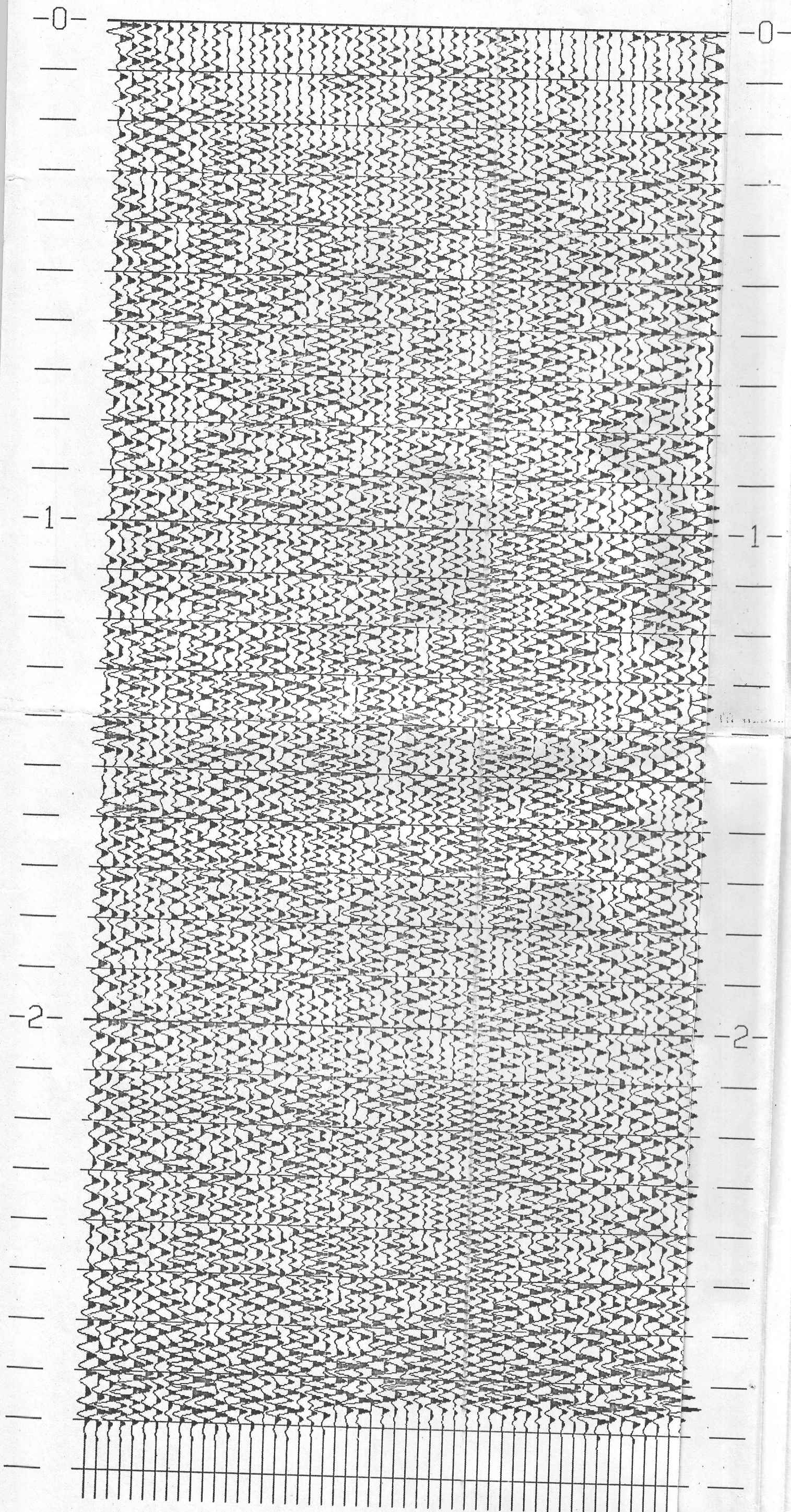
OPERATORS GATE

GE96 7 FILTER 25-35/55-65, 101PT, OPR.

GE90 2 SHIFT/SUMMED THRESHOLD, 7000, -2500

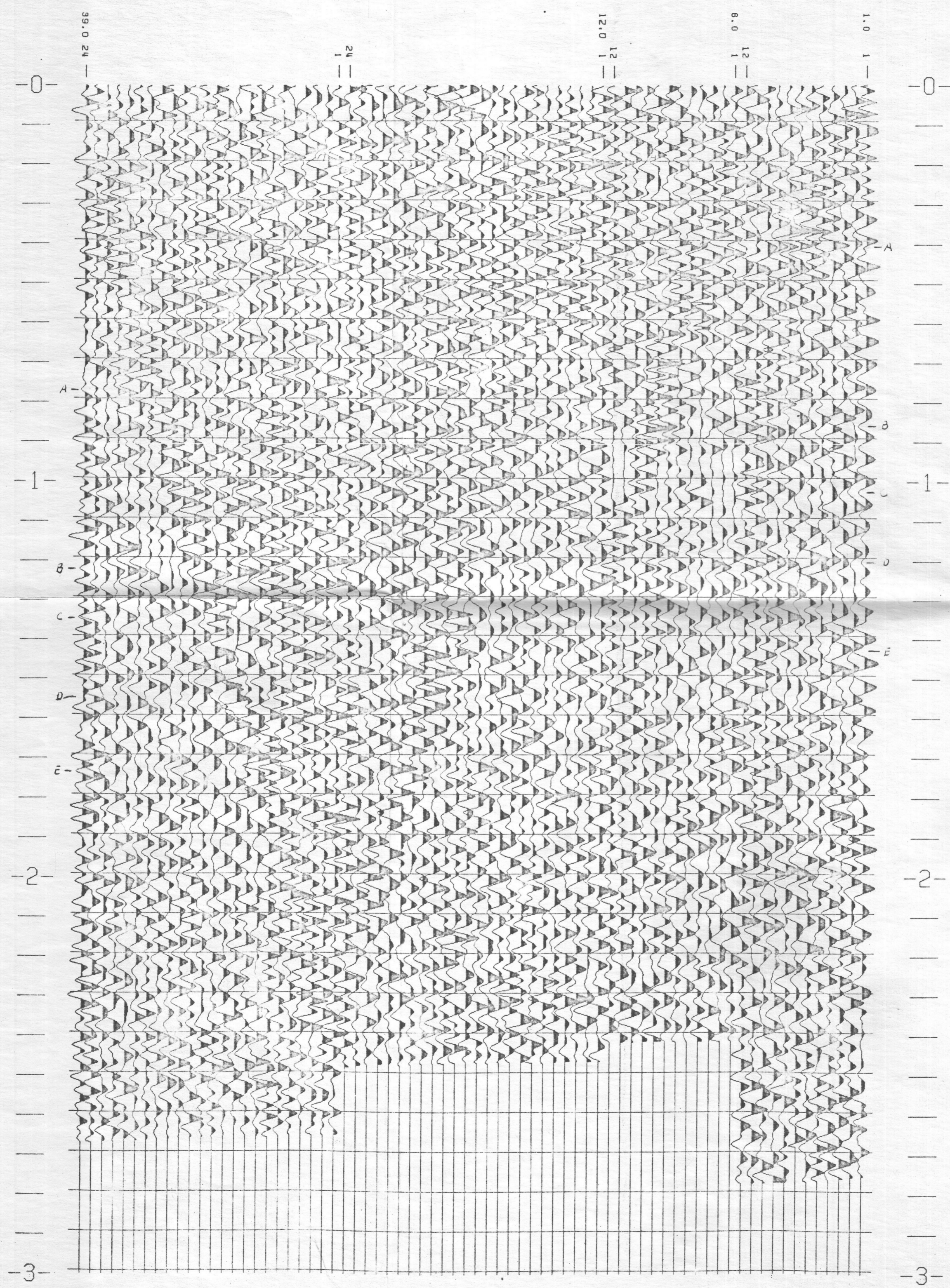
GE98 8 SAAG, 127-128

GE98 9 PLOT, 200MS/IN, -.12IN/TR., .14IN DEF., VAR



#2

UNION RESEARCH CENTER



LINE UNION OIL GEOTHERMAL DIVISION, LINE # 1
 SHOT POINTS 11.0, 6.0, 12.0, 39.0
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)
 FIELD RECORDING DATA
 RECORDED BY UNION OIL RESEARCH
 DATE NOV. 15, 1976
 ENERGY SOURCE [REDACTED] B
 SOURCE PATTERN 3 SHOTS IN LINE/SP
 SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 3
 INSTRUMENTS QFS III
 RECORDING FILTER 12/18-124
 GAIN CONTROL BINARY
 TRACE INTERVAL 1-24 RIGHT-LEFT
 SAMPLE RATE 2 MS
 RECORD LENGTH 5 SECONDS
 GROUP PATTERN 9 IN LINE
 SPREAD 110 - 2530
 GEO'S-HP MODEL L-109
 MULTIPLICITY 3 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

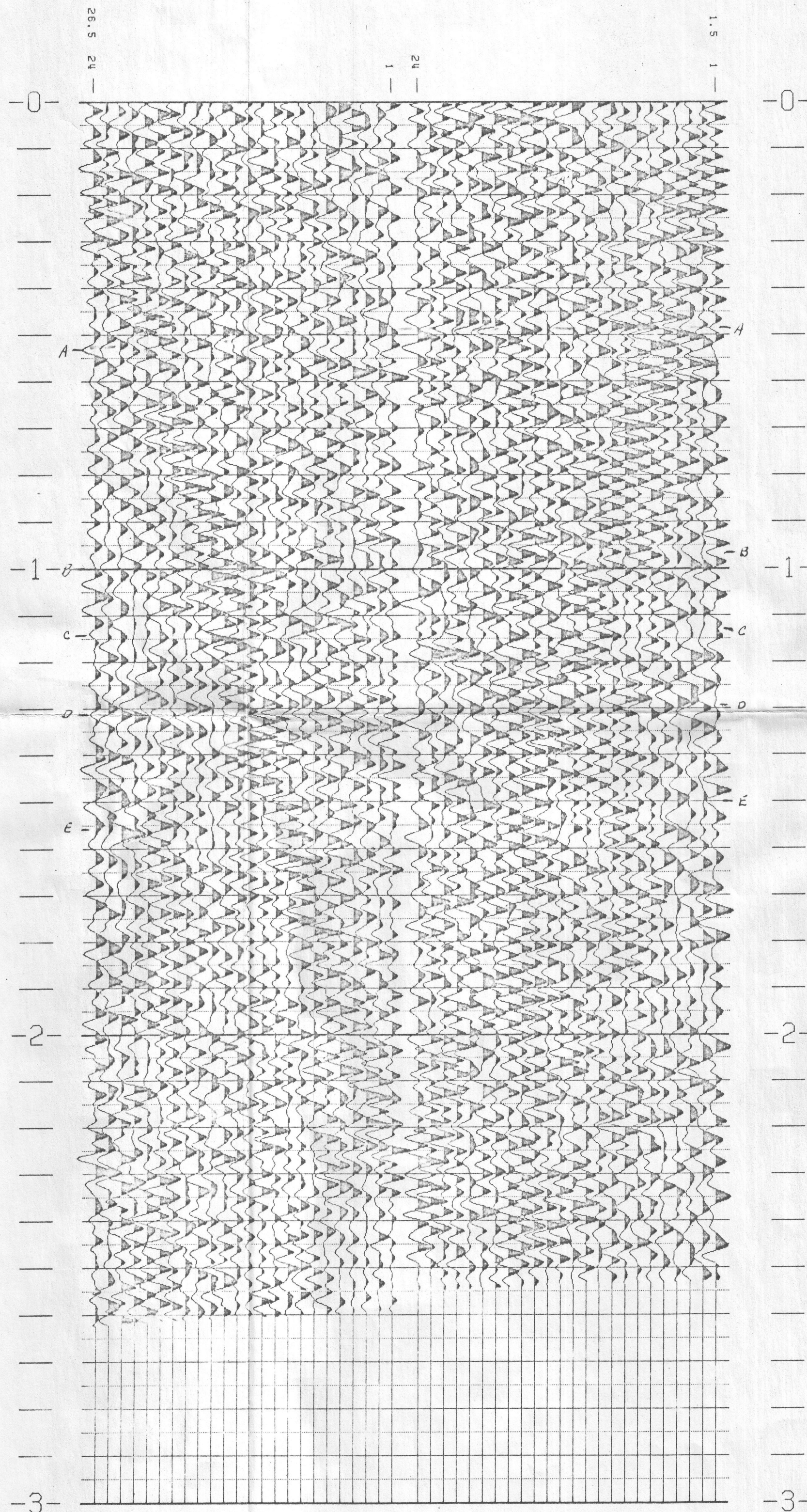
PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/28/77
 01010 1 DEMULTIPLEX LINEAR LAGC WINDOW
 TRUE AMPLITUDE RECOVERY
 500534 8 TRACE EDIT
 VELOCITY ANALYSIS
 500514 5 NORMAL MOVE OUT CORRECTION CHART # 8852+1.12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500515 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 500516 7 FILTER BANDPASS 5-10 35-40 HZ.
 500508 2 IUCVTX -CONVERT FROM IBM SEQ. TO UNION FORMAT
 500512 3 HANDSTAK BULK STATIC CORRECTIONS
 500513 4 VERTSTAK VERTICAL STACK
 500517 8 DYNSCALE LAG 220 MLS. LEAD 30 MLS.
 500534 9 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES:
 V_H = 2500'/SEC.
 V_R = 10000'/SEC.

#2

GL04402-10

UNION

RESEARCH CENTER



LINE UNION OIL GEOTHERMAL DIVISION, LINE # 2
 SHOT POINTS (26.5 @ N65 E) & (1.5 @ S65 W)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

FIELD RECORDING DATA

RECORDED BY UNION OIL RESEARCH

DATE NOV. 15, 1976

ENERGY SOURCE [REDACTED] B

SOURCE PATTERN 3 SHOTS INLINE/S.P.

SOURCE ARRAY INTERVAL 55 FT. APART

VERTICAL FOLD 3

INSTRUMENTS DFS III

GAIN CONTROL FIXED

RECORDING FILTER 12/18-124

SAMPLE RATE 2 MS

TRACE INTERVAL 1-24 RIGHT-LEFT

GROUP PATTERN 9 INLINE

RECORD LENGTH 5 SECONDS GEO'S=HP MODEL L-10A

SPREAD 110 - 2530

MULTIPLICITY 3 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH

SAMPLE RATE 2MS DATE 3/30/77

01010 1 DEMULTIPLEX FIXED LAG WINDOW

TRUE AMPLITUDE RECOVERY

500533 9 TRACE EDIT

VELOCITY ANALYSIS

500505 5 NORMAL MOVE OUT CORRECTION CHART # 8852+1.12

DATUM STATICS

RESIDUAL MOVE OUT CORRECTION

AUTOMATIC STATICS

500506 6 HAND STATICS

FOLD COMMON DEPTH POINT STACK

DECONVOLUTION NONE PT OPERATOR

OPERATORS GATE

500507 7 FILTER BANDPASS 5-10 35-40 HZ.

500502 2 IUCVTX - CONVERT FROM IBM SEQ. TO UNION FORMAT

500503 3 HANDSTAT- BULK STATIC CORRECTIONS

500504 4 VERTSTAK VERTICAL STACK

500532 8 DYNSCALE LAG 220 MLS. LEAD 30 MLS.

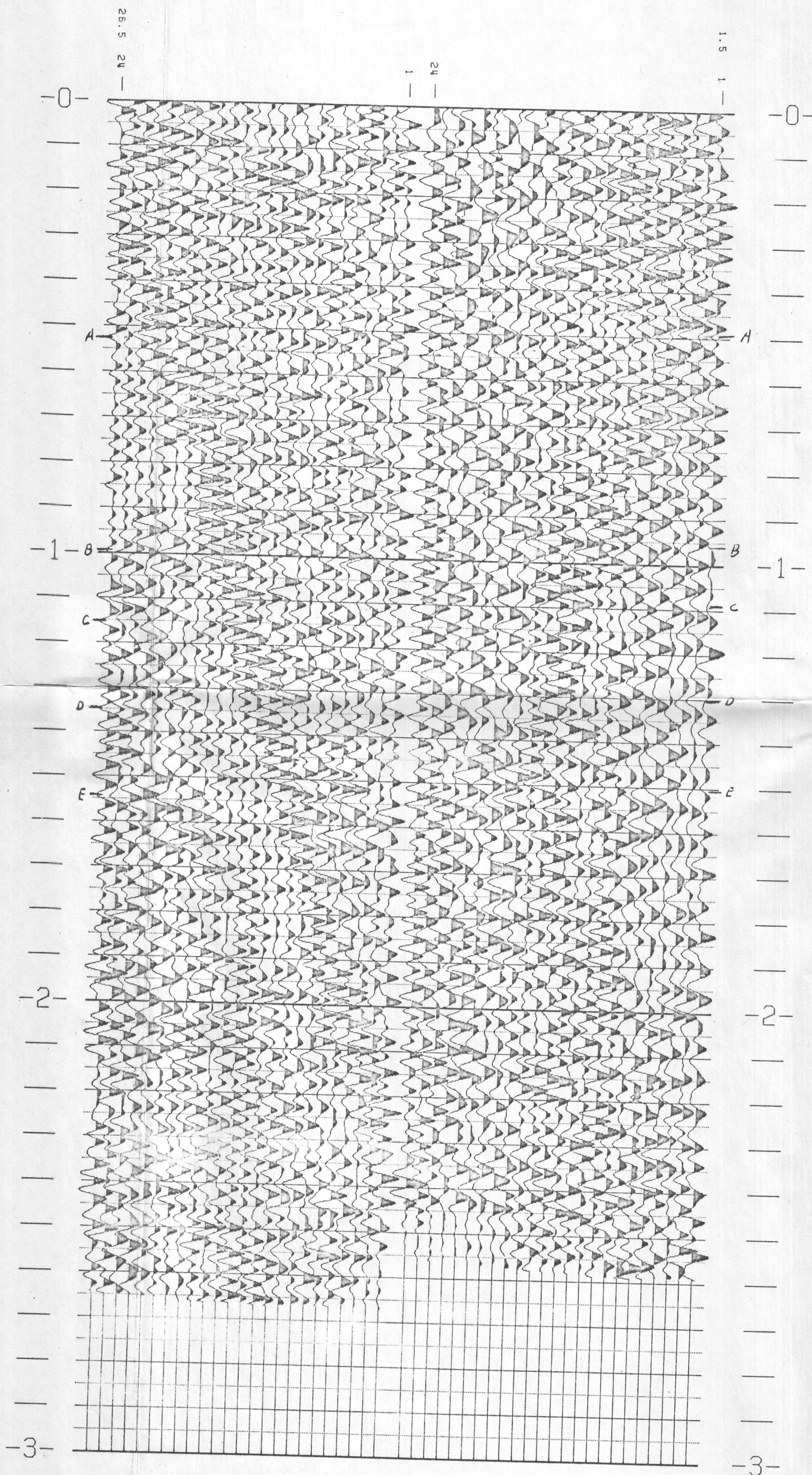
500533 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR

DATUM CORRECTION VELOCITIES :

VW = 2500'/SEC.

VR = 10000'/SEC.

#2



LINE UNION OIL GEOTHERMAL DIVISION, LINE # 4
 SHOT POINTS (26.5 @ 518 E) & (1.5 @ N18 W)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

FIELD RECORDING DATA

RECORDED BY UNION OIL RESEARCH

ENERGY SOURCE [REDACTED] DATE NOV. 15, 1976

SOURCE PATTERN 3 SHOTS INLINE/S.P. B

SOURCE ARRAY INTERVAL 55 FT. APART

VERTICAL FOLD 3

INSTRUMENTS DFS III

RECORDING FILTER 12/18-124 GAIN CONTROL FIXED

TRACE INTERVAL 1-24 RIGHT-LEFT SAMPLE RATE 2 MS

RECORD LENGTH 5 SECONDS GROUP PATTERN 9 INLINE
 SPREAD 110 - 2530 GEO'S=HP MODEL L-10A

MULTIPLICITY 3 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH

SAMPLE RATE 2MS DATE 3/30/77

01010 1 DEMULTIPLEX FIXED LAGC WINDOW

TRUE AMPLITUDE RECOVERY

500533 9 TRACE EDIT

VELOCITY ANALYSIS

500505 5 NORMAL MOVE OUT CORRECTION CHART # 8852+1.12

DATUM STATICS

RESIDUAL MOVE OUT CORRECTION

AUTOMATIC STATICS

500506 6 HAND STATICS

FOLD COMMON DEPTH POINT STACK

DECONVOLUTION NONE PT OPERATOR

OPERATORS GATE

500507 7 FILTER BANDPASS 5-10 35-40 HZ.

IUCVTX - CONVERT FROM IBM SEQ. TO UNION FORMAT

500502 2 HANDSTAT- BULK STATIC CORRECTIONS

500503 3 VERTSTAK VERTICAL STACK

500504 4 DYNSCALE LAG 220 MLS. LEAD 30 MLS.

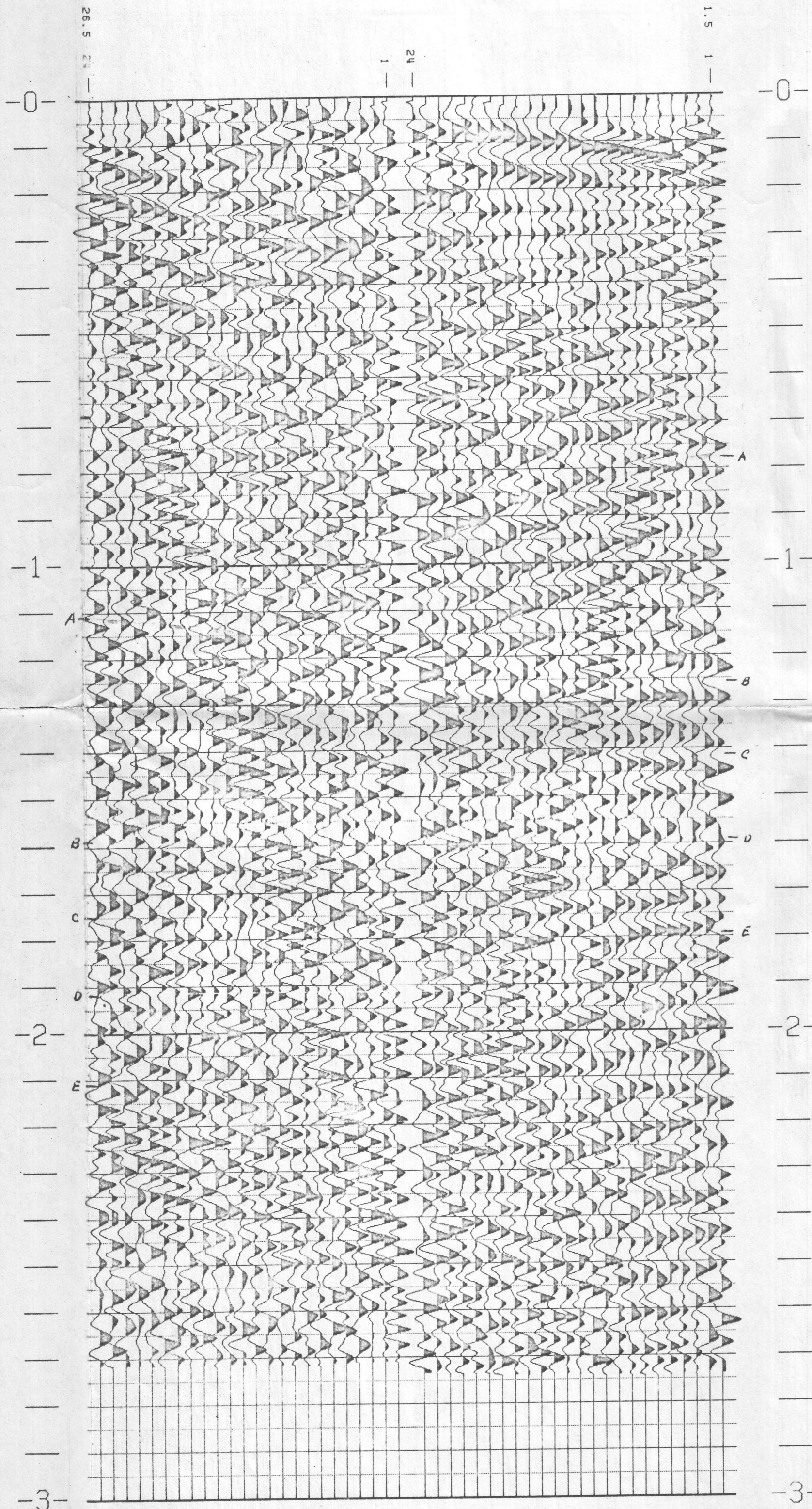
500532 8 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR

500533 DATUM CORRECTION VELOCITIES :

VW = 2500'/SEC.

VR = 10000'/SEC.

#2

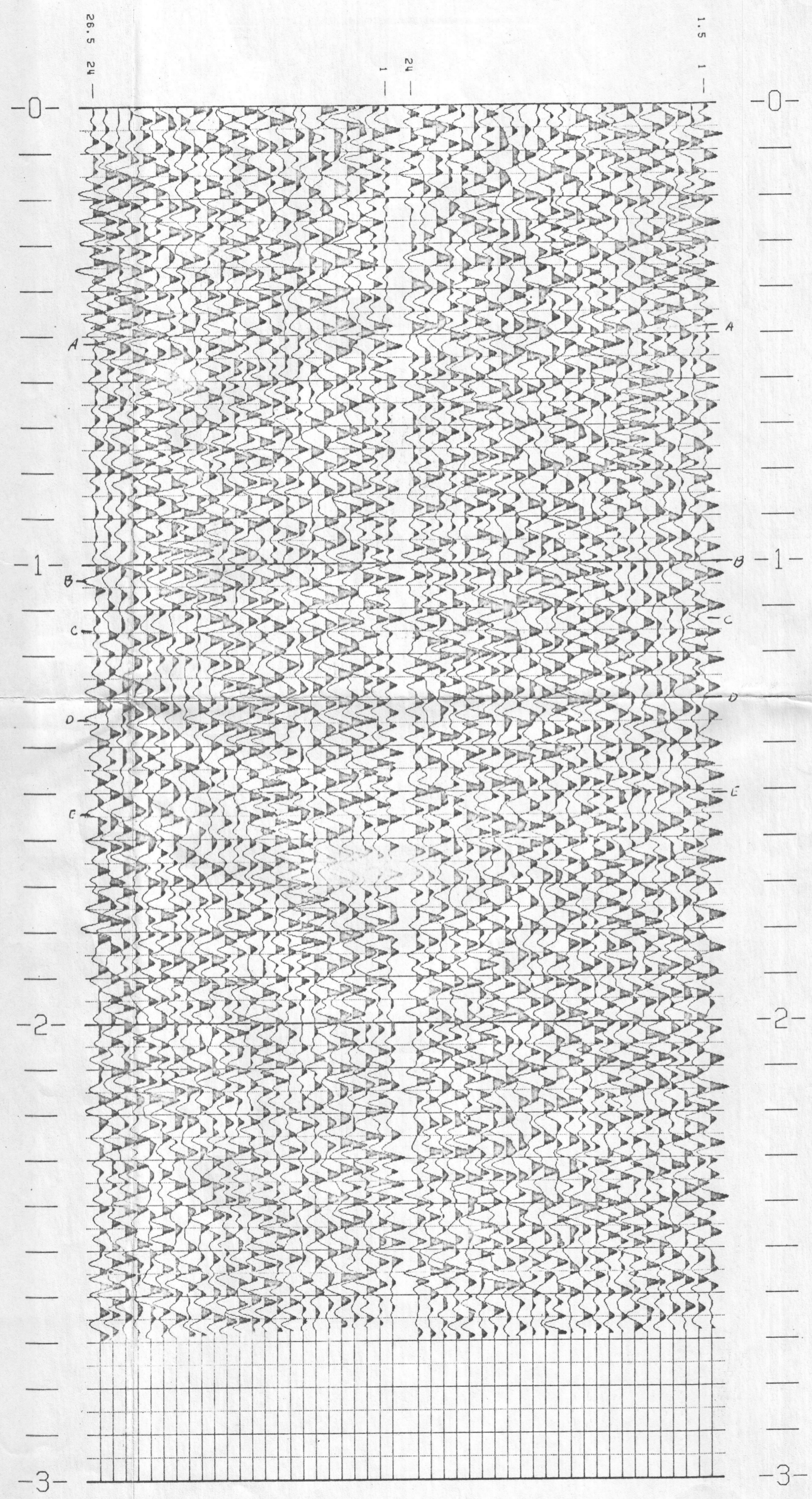


LINE UNION OIL GEOTHERMAL DIVISION, LINE # 7
 SHOT POINTS (1.5 @ N12 W) & (26.5 @ S12 E)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)
 FIELD RECORDING DATA
 RECORDED BY UNION OIL RESEARCH
 DATE NOV. 15, 1976
 ENERGY SOURCE [REDACTED] B
 SOURCE PATTERN 3 SHOTS INLINE/S.P.
 SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 3
 INSTRUMENTS DFS III
 RECORDING FILTER 12/18-124
 GAIN CONTROL FIXED
 SAMPLE RATE 2 MS
 TRACE INTERVAL 1-24 RIGHT-LEFT
 GROUP PATTERN 9 INLINE
 RECORD LENGTH 5 SECONDS
 GEO'S=HP MODEL L-10A
 SPREAD 110 - 2530
 MULTIPLICITY 3 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/28/77
 01012 1 DEMULTIPLEX FIXED LAGC WINDOW
 TRUE AMPLITUDE RECOVERY
 500531 9 TRACE EDIT
 VELOCITY ANALYSIS
 500518 5 NORMAL MOVE OUT CORRECTION CHART # 8852+L.12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500528 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 500529 7 FILTER BANDPASS 5-10 35-40 HZ.
 500500 2 IUCVTX -CONVERT FROM IBM SEQ. TO UNION FORMAT
 500501 3 HANDSTAT BULK STATIC CORRECTIONS
 500510 4 VERTSTAK VERTICAL STACK
 500530 8 DYNSCALE LAG 220 MLS. LEAD 30 MLS.
 500531 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES :
 VW = 2500'/SEC.
 VR = 10000'/SEC.

#2

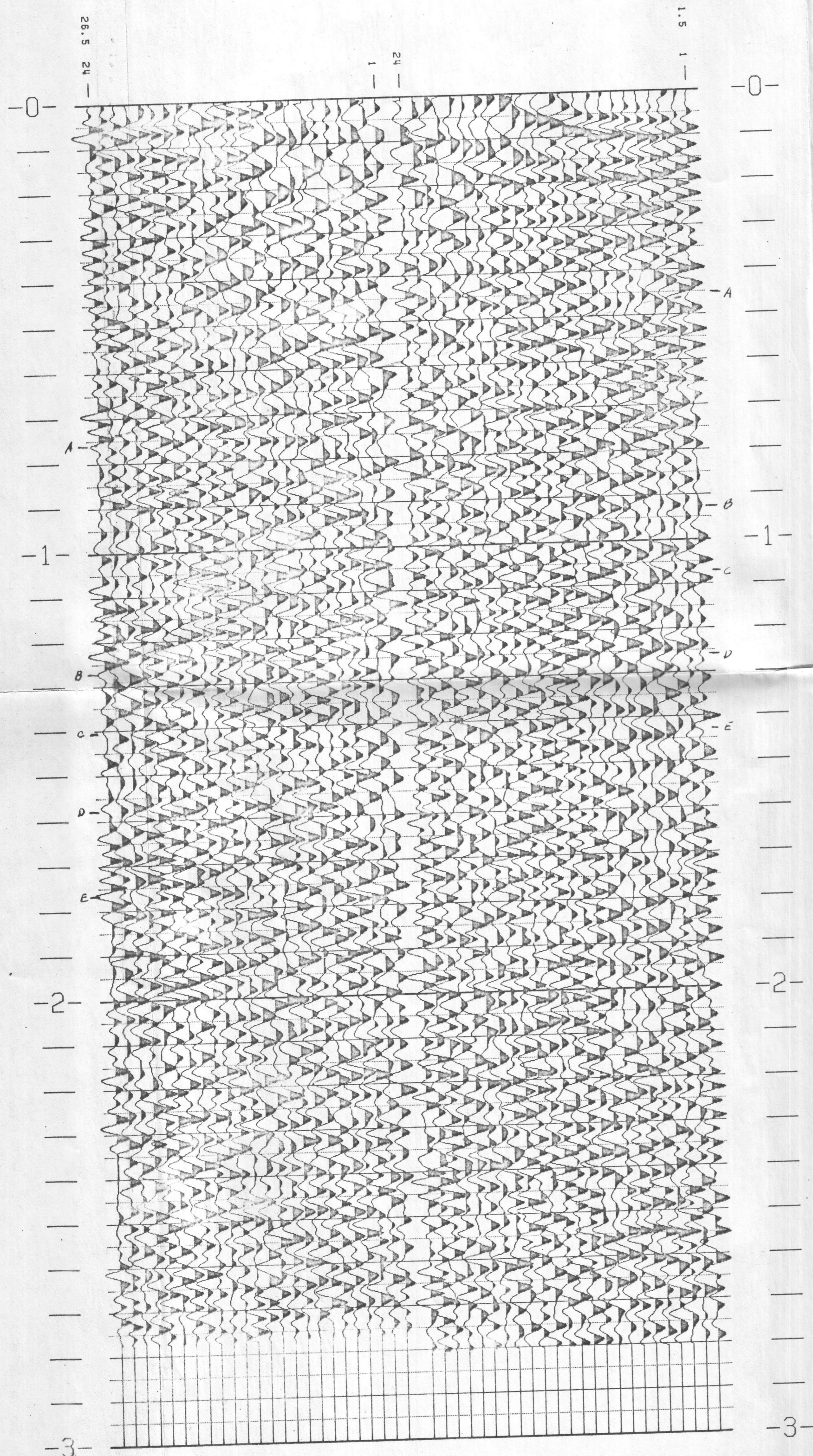


LINE UNION OIL GEOTHERMAL DIVISION, LINE # 3
 SHOT POINTS (1.5 @ S55 W) & (26.5 @ N55 E)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)
 FIELD RECORDING DATA
 RECORDED BY UNION OIL RESEARCH
 DATE NOV. 15, 1976
 ENERGY SOURCE [REDACTED] B
 SOURCE PATTERN 3 SHOTS INLINE/S.P.
 SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 3
 INSTRUMENTS DFS III
 RECORDING FILTER 12/18-124
 GAIN CONTROL FIXED
 SAMPLE RATE 2 MS
 TRACE INTERVAL 1-24 RIGHT-LEFT
 GROUP PATTERN 9 INLINE
 RECORD LENGTH 5 SECONDS
 GEO'S=HP MODEL L-10A
 SPREAD 110 - 2530
 MULTIPLICITY 3 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/30/77
 01010 1 DEMULTIPLEX FIXED JAGC WINDOW
 TRUE AMPLITUDE RECOVERY
 500533 9 TRACE EDIT
 VELOCITY ANALYSIS
 500505 5 NORMAL MOVE OUT CORRECTION CHART # 8852+1.12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500506 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 500507 7 FILTER BANDPASS 5-10 35-40 HZ.
 500502 2 IUCVTX - CONVERT FROM IBM SEQ. TO UNION FORMAT
 500503 3 HANDSTAT- BULK STATIC CORRECTIONS
 500504 4 VERTSTAK VERTICAL STACK
 500532 8 DYNSCALE LAG 220 MLS. LEAD 30 MLS.
 500533 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES :
 VW = 2500'/SEC.
 VR = 10000'/SEC.

#2



LINE UNION OIL GEOTHERMAL DIVISION, LINE # 8
 SHOT POINTS (1.5 @ S75 W) & (26.5 @ N75 E)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)

FIELD RECORDING DATA
 RECORDED BY UNION OIL RESEARCH DATE NOV. 15, 1976
 ENERGY SOURCE [REDACTED] B
 SOURCE PATTERN 3 SHOTS IN LINE/S.P.
 SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 3
 INSTRUMENTS DFS III GAIN CONTROL FIXED
 RECORDING FILTER 12/18-124 SAMPLE RATE 2 MS
 TRACE INTERVAL 1-24 RIGHT-LEFT GROUP PATTERN 9 IN LINE
 RECORD LENGTH 5 SECONDS GEO'S=HP MODEL L-10A
 SPREAD 110 - 2530
 MULTIPLICITY 3 FOLD VERTICAL

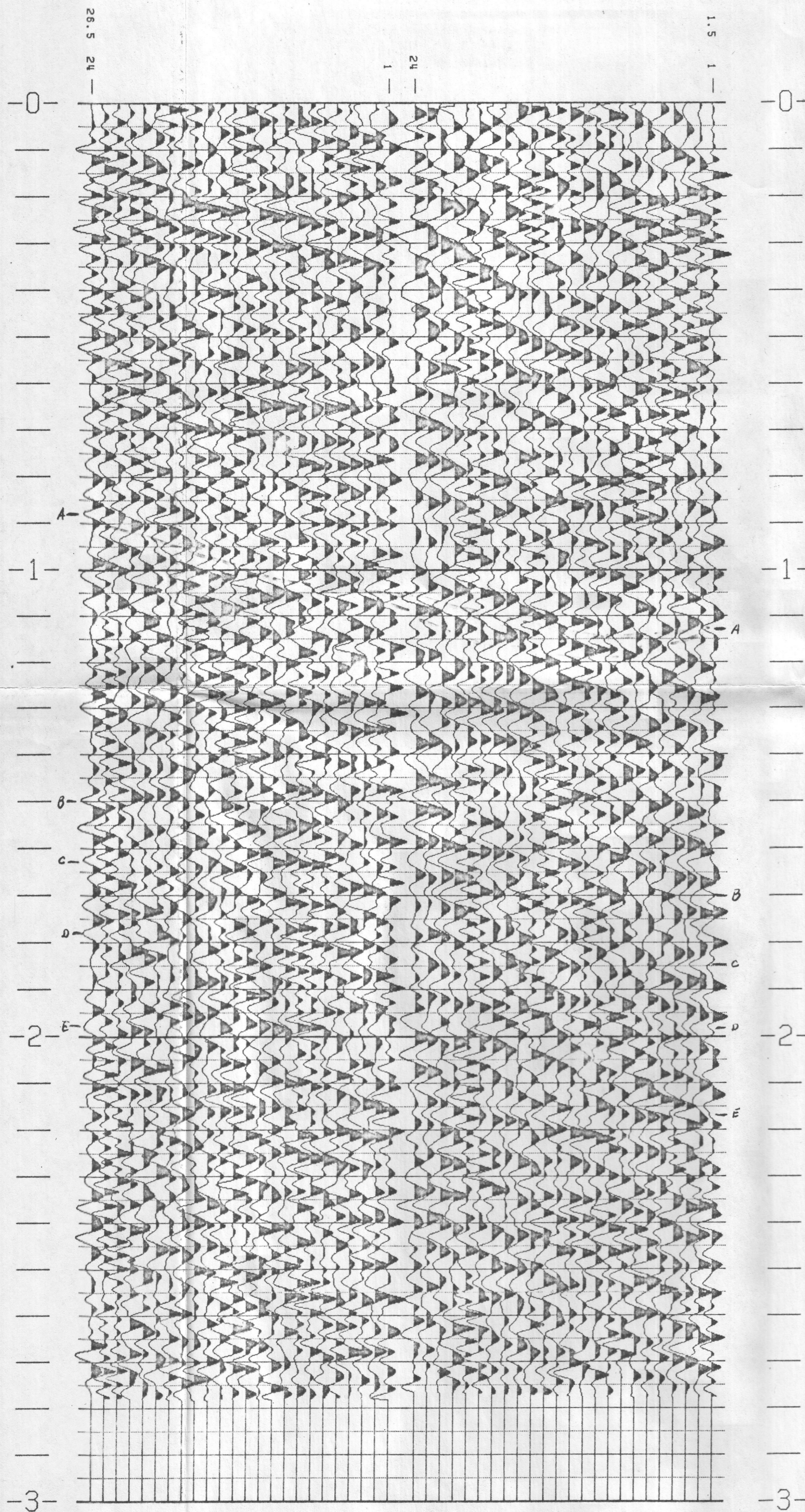
DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/28/77
 01011 1 DEMULTIPLEX FIXED LAGC WINDOW
 TRUE AMPLITUDE RECOVERY
 500526 9 TRACE EDIT
 VELOCITY ANALYSIS
 500522 5 NORMAL MOVE OUT CORRECTION CHART # 8852+1.12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500523 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS --- GATE ---
 500524 7 FILTER BANDPASS 5-10 35-40 HZ.
 500519 2 IUCVIX -CONVERT FROM IBM SEQ. TO UNION FORMAT
 500520 3 HANDSTAT BULK STATIC CORRECTIONS
 500521 4 VERTSTAK VERTICAL STACK
 500525 8 DYNSCAL LAG 220 MLS. LEAD 30 MLS.
 500526 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES :
 VH = 2500'/SEC.
 VR = 10000'/SEC.

UNION 76

RESEARCH CENTER

#2

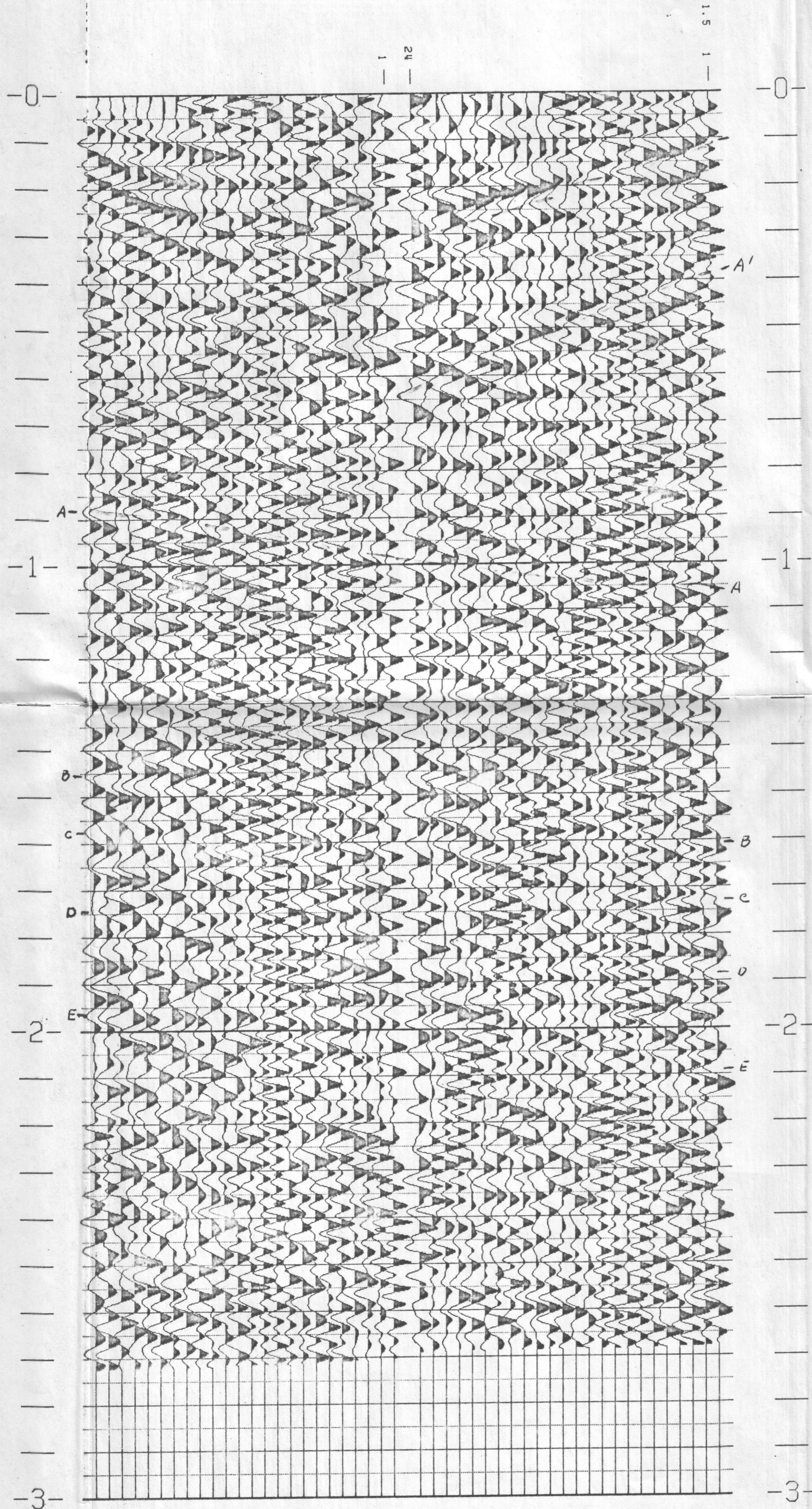


LINE UNION OIL GEOTHERMAL DIVISION, LINE # 9
 SHOT POINTS 11.5 @ S20 W & 26.5 @ N20 E
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)
 FIELD RECORDING DATA
 RECORDED BY UNION OIL RESEARCH
 DATE NOV. 15, 1976
 ENERGY SOURCE [REDACTED] B
 SOURCE PATTERN 3 SHOTS INLINE/S.P.
 SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 3
 INSTRUMENTS OFS III
 RECORDING FILTER 12/18-124
 GAIN CONTROL FIXED
 SAMPLE RATE 2 MS
 TRACE INTERVAL 1-24 RIGHT-LEFT
 GROUP PATTERN 9 INLINE
 RECORD LENGTH 5 SECONDS GEO'S=HP MODEL L-10A
 SPREAD 110 - 2530
 MULTIPLICITY 3 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/28/77
 01012 1 DEMULTIPLEX FIXED AGC WINDOW
 TRUE AMPLITUDE RECOVERY
 500531 9 TRACE EDIT
 VELOCITY ANALYSIS
 500518 5 NORMAL MOVE OUT CORRECTION CHART # 8852+L.12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500528 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 500529 7 FILTER BANDPASS 5-10 35-40 HZ.
 500500 2 IUCVTX -CONVERT FROM IBM SEQ. TO UNION FORMAT
 500501 3 HANDSTAT BULK STATIC CORRECTIONS
 500510 4 VERTSTAK VERTICAL STACK
 500530 8 DYNSCALE LAG 220 MLS. LEAD 30 MLS.
 500531 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES :
 VW = 2500'/SEC.
 VR = 10000'/SEC.

UNION RESEARCH CENTER



#2

LINE UNION OIL GEOTHERMAL DIVISION, LINE # 10
 SHOT POINTS (1.5 @ N79 W) & (26.5 @ S79 E)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)
 FIELD RECORDING DATA
 RECORDED BY UNION OIL RESEARCH DATE NOV. 15, 1976
 ENERGY SOURCE [REDACTED] B
 SOURCE PATTERN 3 SHOTS IN LINE/S.P.
 SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 3
 INSTRUMENTS DFS III
 RECORDING FILTER 12/18-124 GAIN CONTROL FIXED
 TRACE INTERVAL 1-24 RIGHT-LEFT SAMPLE RATE 2 MS
 RECORD LENGTH 5 SECONDS GROUP PATTERN 9 IN LINE
 SPREAD 110 - 2530 GEO'S=HP MODEL L-10A
 MULTIPLICITY 3 FOLD VERTICAL

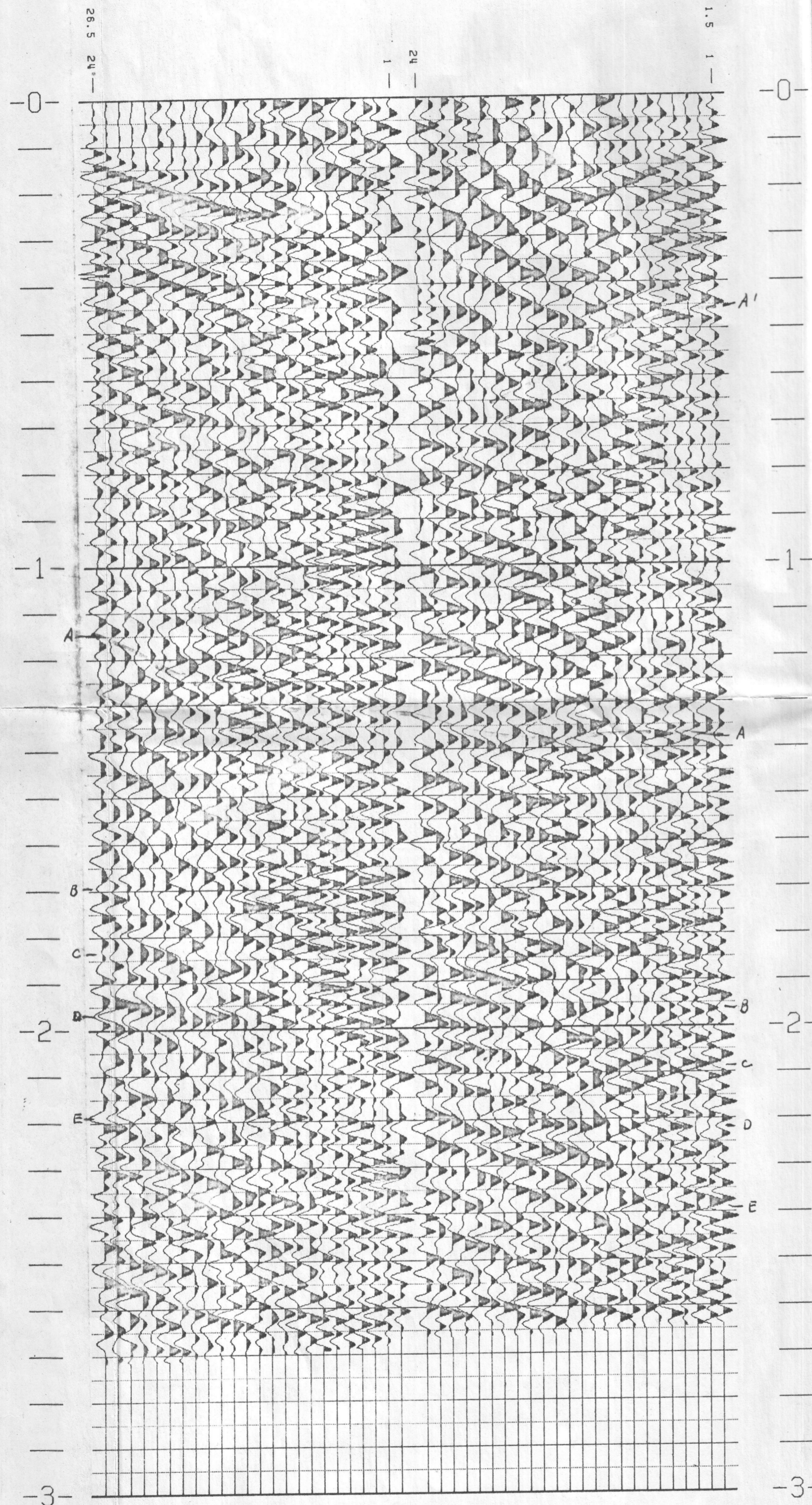
DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/29/77
 01012 1 DEMULTIPLY FIXED LAGC WINDOW
 TRUE AMPLITUDE RECOVERY
 500531 9 TRACE EDIT
 VELOCITY ANALYSIS
 500518 5 NORMAL MOVE OUT CORRECTION CHART # 8852+1.12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500528 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 500529 7 FILTER BANDPASS 5-10 35-40 HZ.
 500500 2 IUCVTX -CONVERT FROM IBM SEQ. TO UNION FORMAT
 500501 3 HANDSTAT BULK STATIC CORRECTIONS
 500510 4 VERTSTAK VERTICAL STACK
 500530 8 DYNSCALE LAG 220 MLS. LEAD 30 MLS.
 500531 PLOT, 5IN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES :
 VW = 2500'/SEC.
 VR = 10000'/SEC.

UNION

RESEARCH CENTER

#2



LINE UNION OIL GEOTHERMAL DIVISION, LINE # 11
 SHOT POINTS (1.5 @ N75 W) & (26.5 @ S75 E)
 AREA COVE FORT, UTAH
 COUNTY MILLARD
 DATUM 6000 FT. (1830M)
 FIELD RECORDING DATA
 RECORDED BY UNION OIL RESEARCH
 DATE NOV. 15, 1976
 ENERGY SOURCE [REDACTED] B
 SOURCE PATTERN 3 SHOTS INLINE/S.P.
 SOURCE ARRAY INTERVAL 55 FT. APART
 VERTICAL FOLD 3
 INSTRUMENTS QFS III
 RECORDING FILTER 12/18-124
 GAIN CONTROL FIXED
 SAMPLE RATE 2 MS
 TRACE INTERVAL 1-24 RIGHT-LEFT
 GROUP PATTERN 9 INLINE
 RECORD LENGTH 5 SECONDS
 GEO'S=HP MODEL L-10A
 SPREAD 110 - 2530
 MULTIPLICITY 3 FOLD VERTICAL

DIGITAL PROCESSING SEQUENCE

PROCESSED BY UNION OIL RESEARCH
 SAMPLE RATE 2MS DATE 3/28/77
 01012 1 DEMULTIPLEX FIXED LAGC WINDOW
 TRUE AMPLITUDE RECOVERY
 500531 9 TRACE EDIT
 VELOCITY ANALYSIS
 500518 5 NORMAL MOVE OUT CORRECTION CHART # 8852+1.12
 DATUM STATICS
 RESIDUAL MOVE OUT CORRECTION
 AUTOMATIC STATICS
 500528 6 HAND STATICS
 FOLD COMMON DEPTH POINT STACK
 DECONVOLUTION NONE PT OPERATOR
 OPERATORS GATE
 500529 7 FILTER BANDPASS 5-10 35-40 HZ.
 500500 2 IUCVTX -CONVERT FROM IBM SEQ. TO UNION FORMAT
 500501 3 HANDSTAT BULK STATIC CORRECTIONS
 500510 4 VERTSTAK VERTICAL STACK
 500530 8 DYNSTAK LAG 220 MLS. LEAD 30 MLS.
 500531 PLOT, SIN/SEC. -.14IN/TR., .20IN DEF., VAR
 DATUM CORRECTION VELOCITIES :
 VW = 2500'/SEC.
 VR = 10000'/SEC.