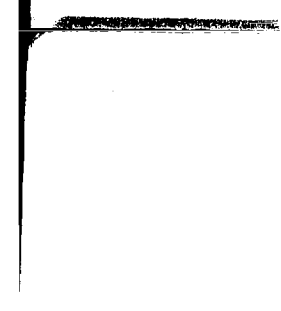
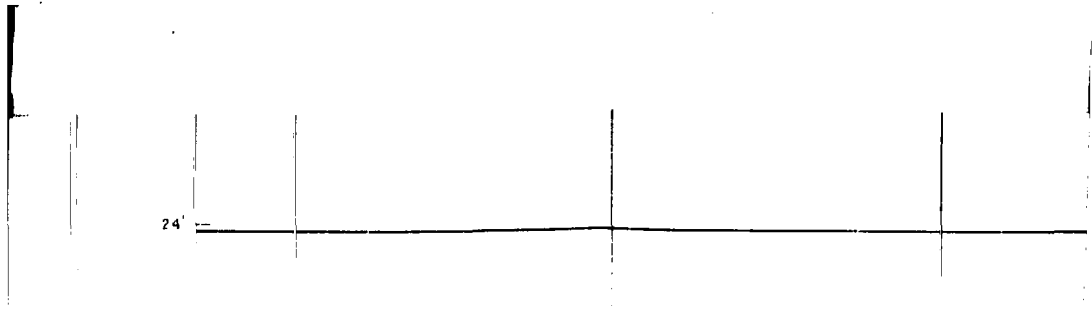
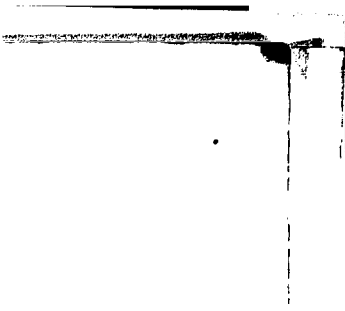
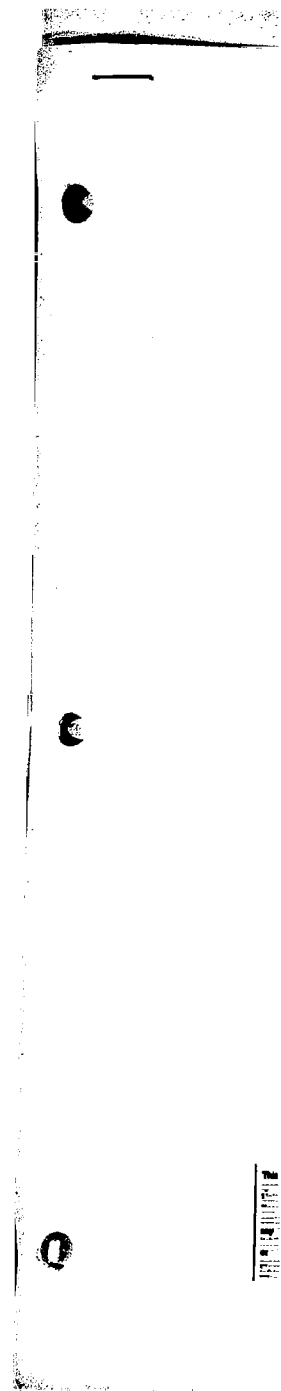
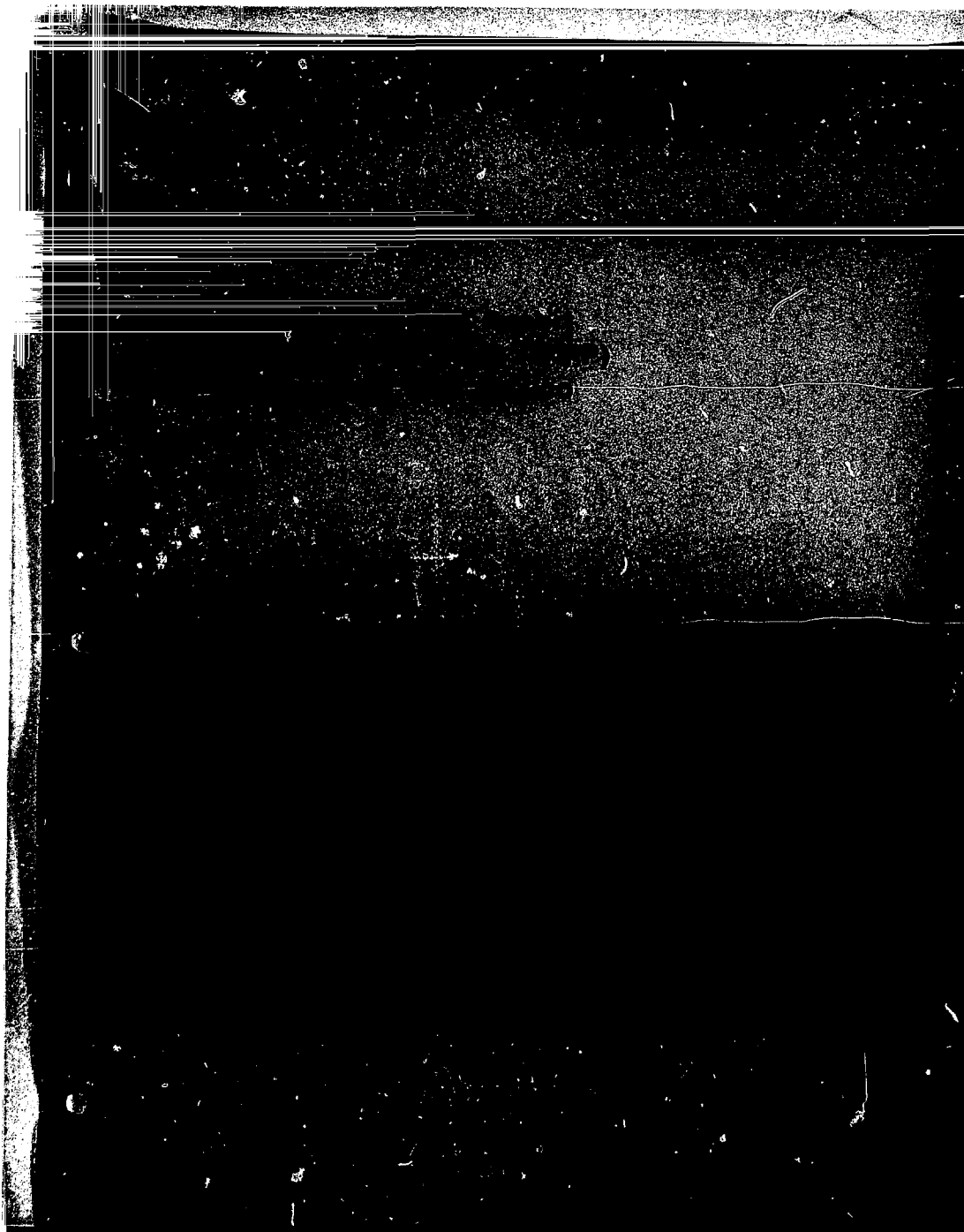
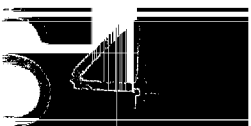


12



SAND79-0264

Unlimited Release

Printed May, 1979

SEISMIC REFLECTION DATA REPORT

Waste Isolation Pilot Plant (WIPP) Site,  
Southeastern New Mexico

VOLUME II

John L. Hern  
G. J. Long & Associates, Inc.  
Houston, Texas

Dennis W. Powers  
and  
Lawrence J. Barrows  
Division 4511  
Sandia Laboratories  
Albuquerque, New Mexico

DECEMBER, 1978

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**7.0 INDEX TO ENCLOSURES IN POCKETS\***

**Combined Vibroseis Program within WIPP Site Area Map**

**1976 Seismic Program Map**

Seismic Line 1

Seismic Line 2

Seismic Line 3

**1977 Seismic Program Maps (2)**

Seismic Line X-1

Seismic Line X-2

Seismic Line X-3

Seismic Line X-3A

Seismic Line X-4

Seismic Line X-5

Seismic Line X-6

Seismic Line X-7

Seismic Line X-8

Seismic Line X-9

Seismic Line X-10

Seismic Line X-11

Seismic Line X-12

Seismic Line X-13

**1978 Seismic Program Map**

Seismic Line Y-1

Seismic Line Y-2

Seismic Line Y-3

Seismic Line Y-4

Seismic Line Y-5

\*Please note that all of the above data were corrected and processed with a 3200 foot elevation datum.

103°54' W  
32°27' N

28

27

33

34



26'

4

3

SAN-1

201  
200

25'

9

10



26

25

30

29

35

36

31

32

**2**

X-4



236  
235

225

200

175

2

1

6

X-9

5

J-A

C-1

CM-1

X-5

X-1

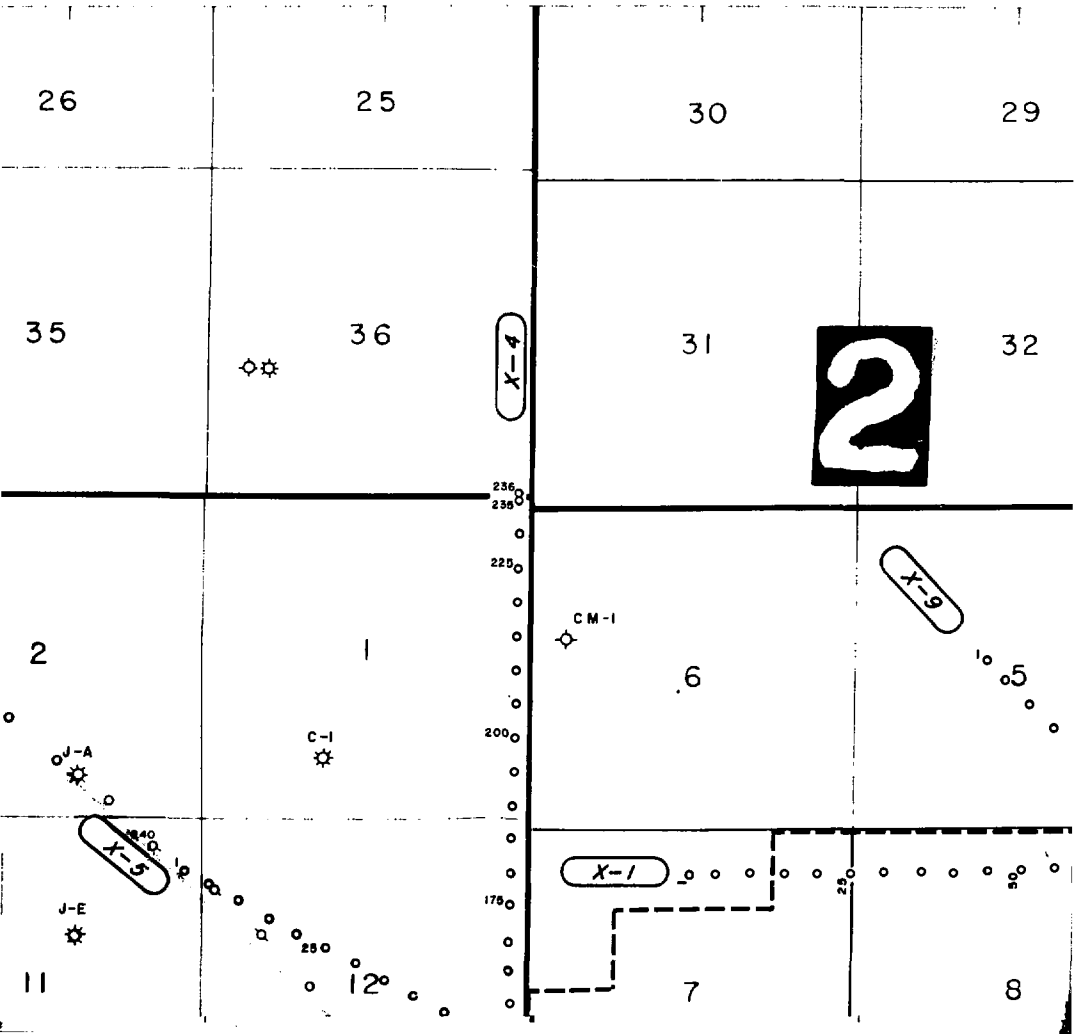
J-E

11

12

7

8



28

27

26

X-2

33

34

35

X-8

200

200

175

180

128

125

ERD TD

100

4

3

2

ERDA II

700

720

9

125

145

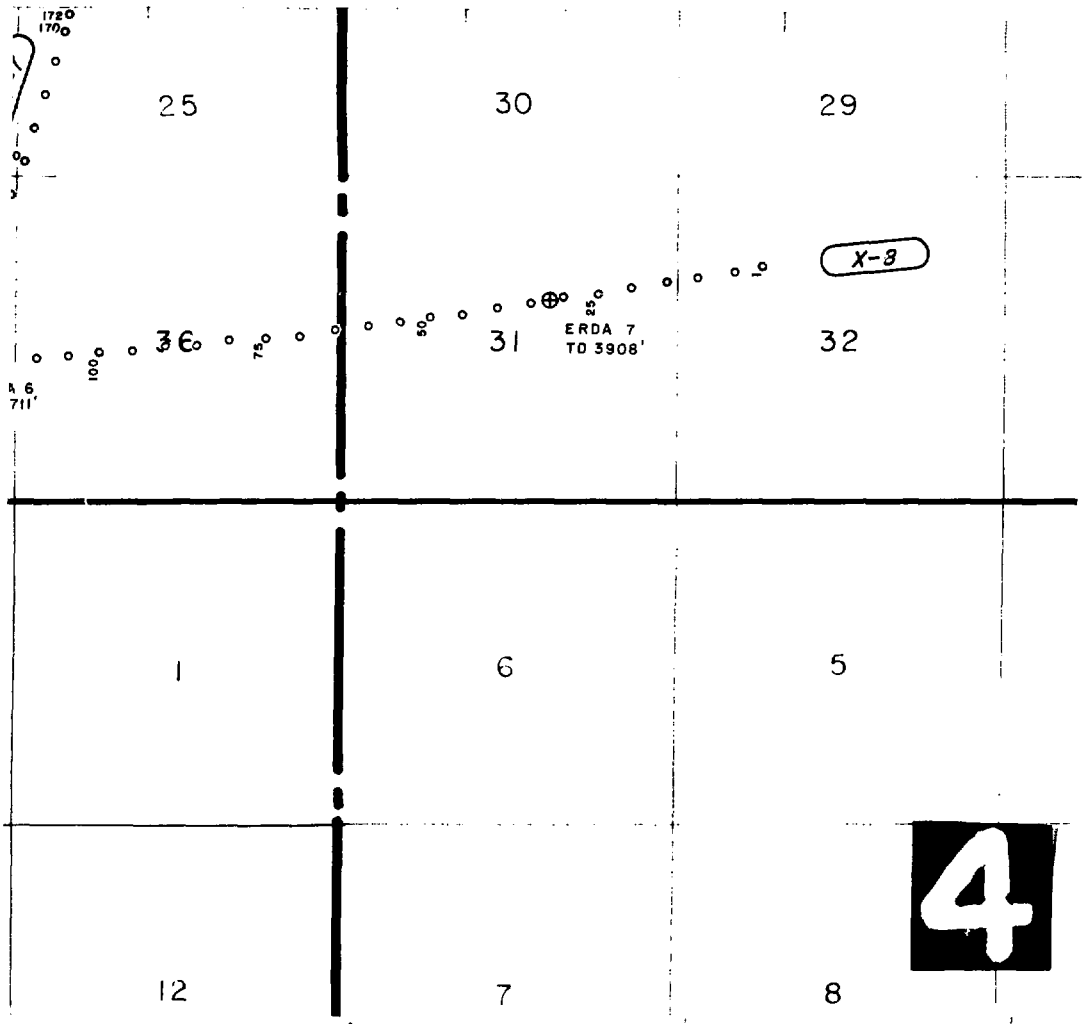
10

ERDA 8 TD 4910

25

11

3



101 4 W  
3.511 N

30

29

X-8

31

ERDA 7  
TD 3908'

32

6

5

7

8

5



24'

SAN-3

135  
0 46

o

o

120  
0

o

15  
0

o

100  
0

o

o

R

23'

21

20

22

S

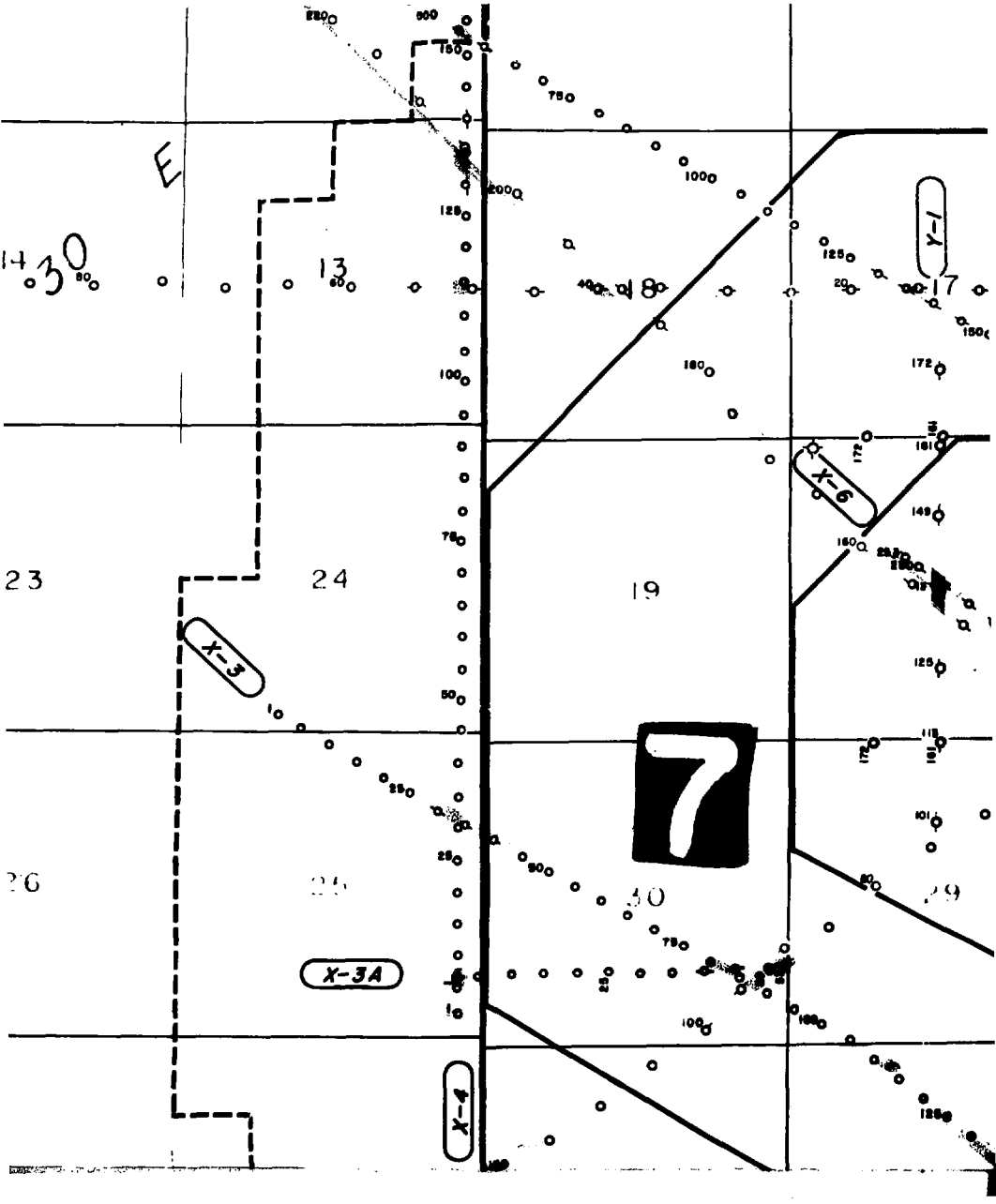
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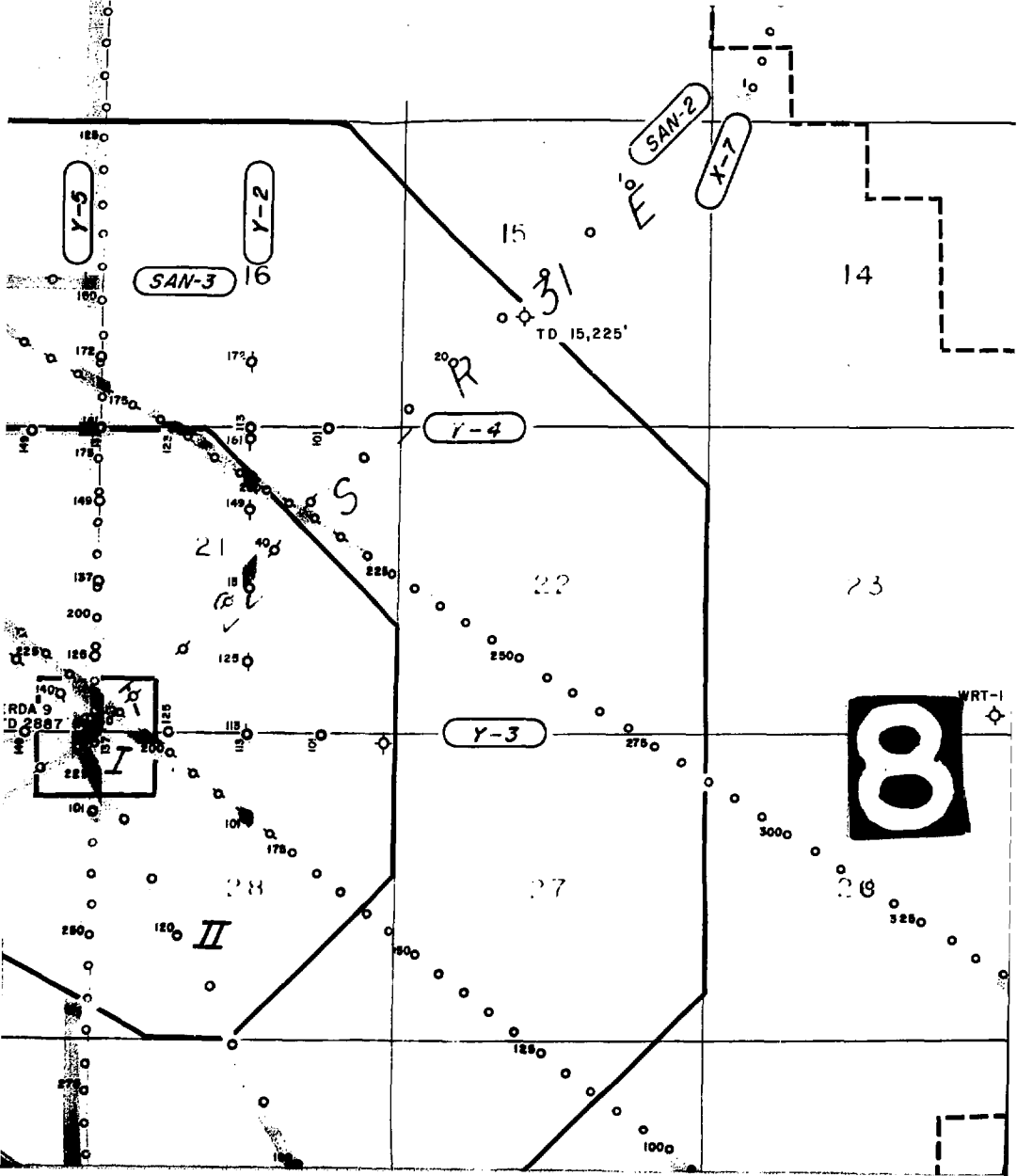
22'

28

27

6





SAN-2

X-7

Y-5

Y-2

SAN-3

16

15

31

TD 15,225'

14

R

Y-4

21

22

23

RDA 9  
D 2887

Y-3

WRT-1  
8

28

27

II

26

275

125

100

325

13

18

17

32

JEN-I



R

24



19

22

20

S

WRT-I



BAS-I



T

25



30

29

9

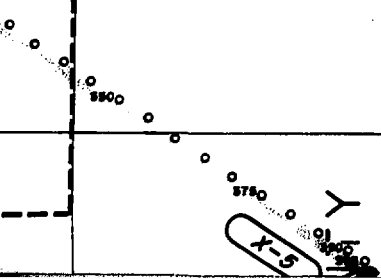
FED-I



X-5

Y

TY



18

17

E

32

JEN-1



R

S

19

20

22

BAS-1



T

30

29

FED-1



10

TY

21'

33

34

20'

4

3

19'

9

10

SAN-2

205

200

180

R

18'

16

15  
23

S

T



35

36

31

37

JR-1



140



180

B-1



1

JR-3



JR-7



6

TD 14,590'

CB-



5

2



E

1130

12

7

8

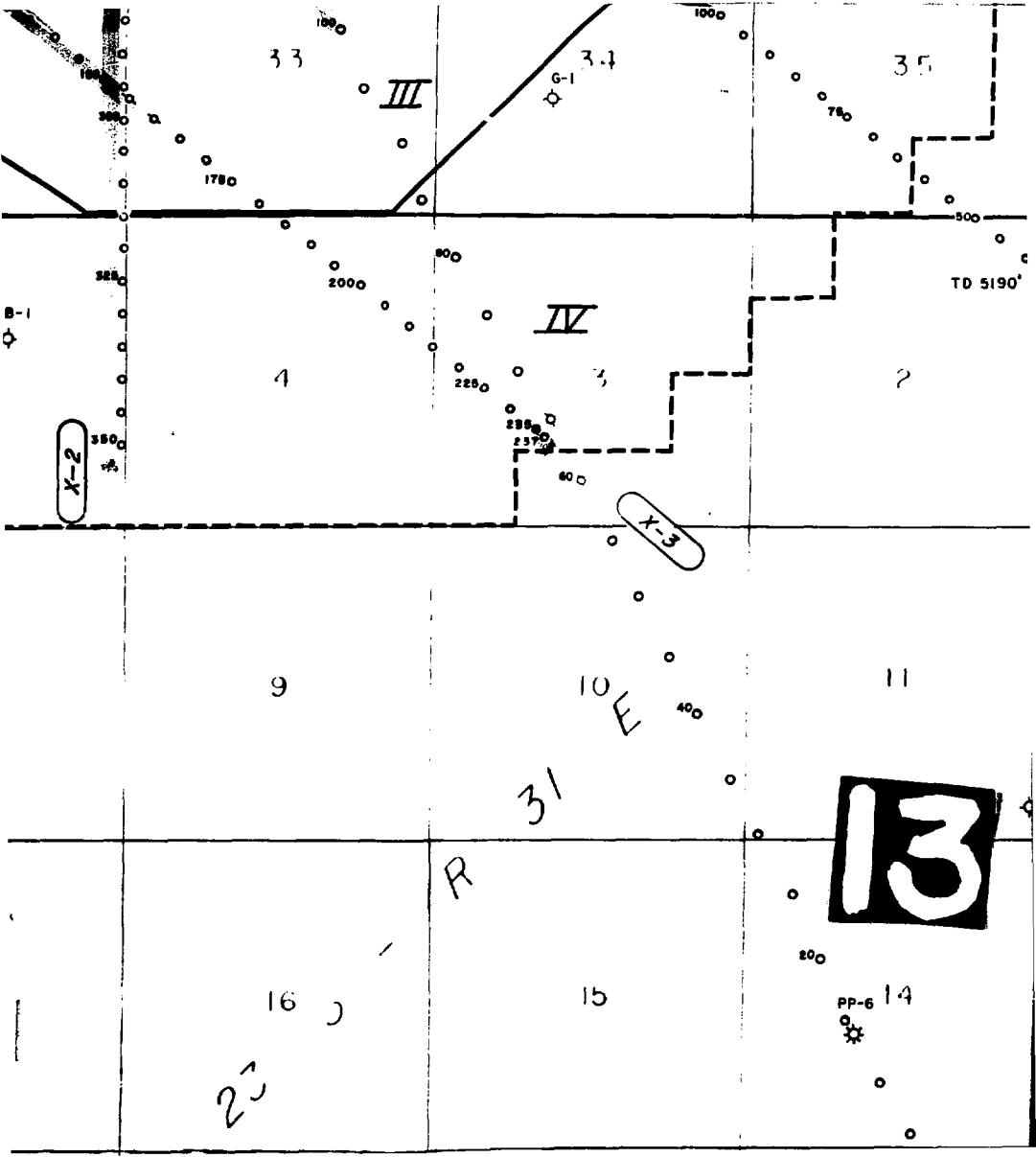
14

13

18

**12**

17



33

3.4

35

III

G-1

1700

1000

780

500

TD 5190'

550

2000

600

IV

4

225

3

?

230

250

600

X-2

X-3

9

10 E

400

11

31

**13**

R

800

16

15

PP-6 14

23

PP-6



36

31

32

EDDY COUNTY

LEA COUNTY

EDDY COUNTY

LEA COUNTY

6

5

12

7

8

32

R

13

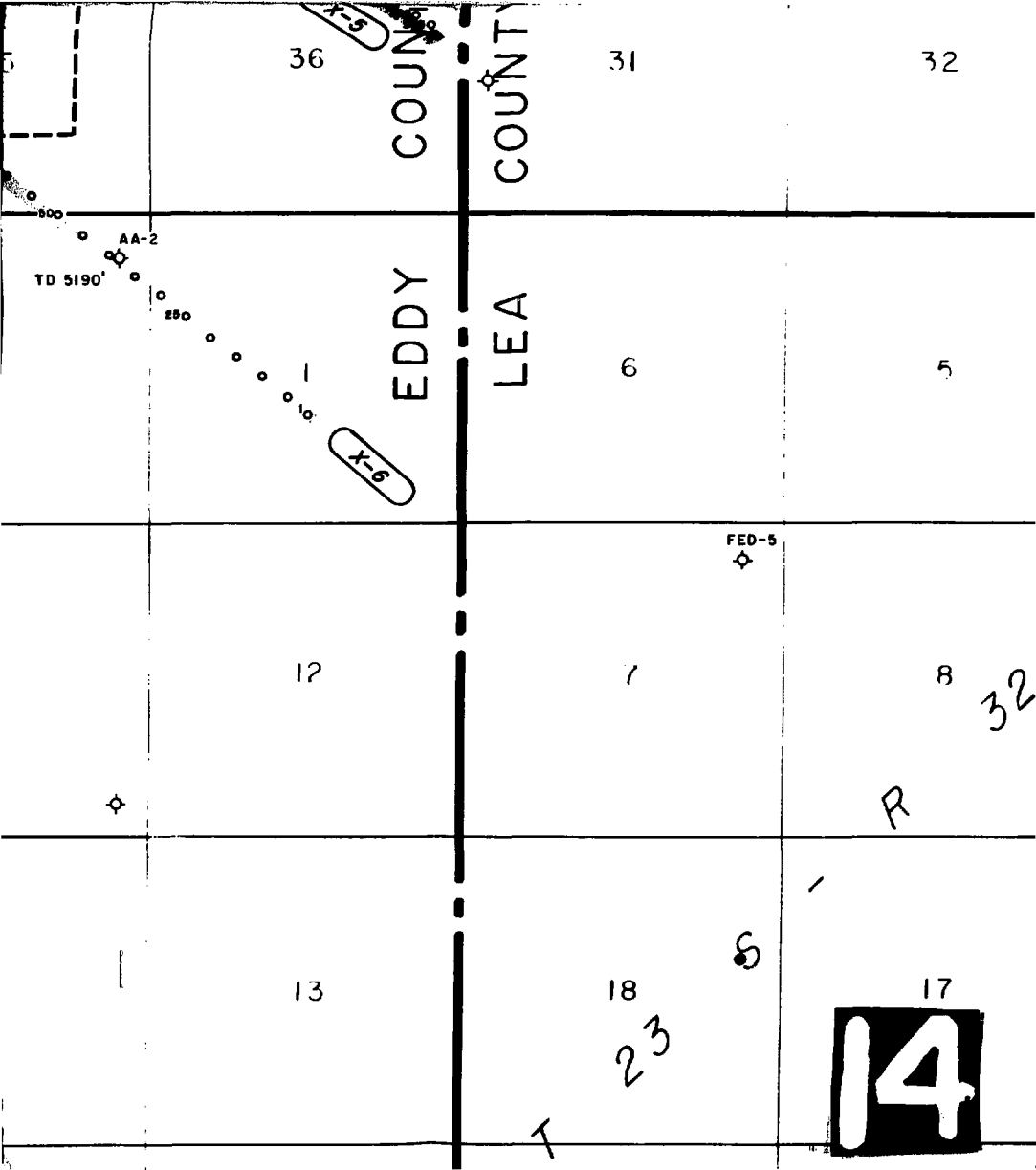
18

17

23

14

T



X-5

X-6

AA-2

TD 5190'

FED-5

◇

◇

/

|

COUNT

COUNT

31

32

EDDY

LEA

6

5

x-6

FED-5



7

8

32

E

R

18

9

17

23

T

15

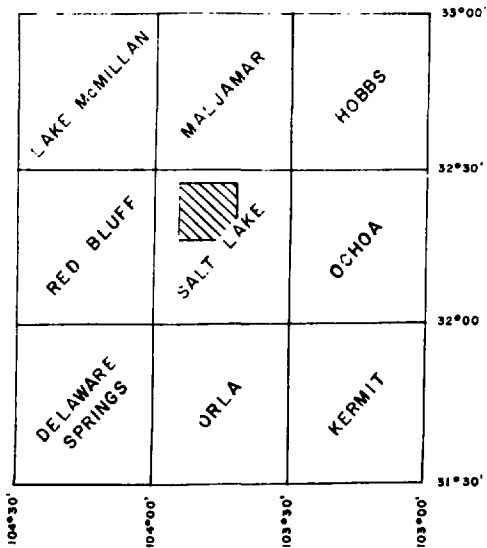
21

22

32°17' N  
103°54' W

53'

53'



16

23

24

19

0

51'

49'

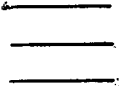
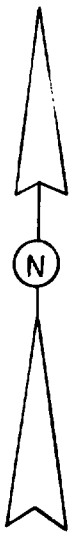
17

0

21

22

23



ZONE
I
II
III
IV
TOTAL

**18**

SAN-1

24

19

20

44

43

4

19

- 1976 SEISMIC PROGRAM
- 1977 SEISMIC PROGRAM
- 1978 SEISMIC PROGRAM

	AREA
E	100 Acres
L	1,818 Acres
C	6,221 Acres
C	10,821 Acres
-	18,960 Acres

<b>SANDIA LABORATORY</b>		
SEISMIC SURVEY		
LOS MEDANOS SITE AREA EDDY COUNTY, NEW MEXICO		
COMBINED VIBROSEIS PROGRAM WITHIN WIPP SITE AREA		
INTERPRETATION BY G. J. LONG & ASSOCIATES, INC.		
SEISMOLOGIST	DATE	APPROVED C. I.
SCALE		
1" = 2,000'		

19

20

43'

4'

32' 9 1/2" N  
15° 42' 41" W

**20**

## SANDIA LABORATORIES

SEISMIC SURVEY

LOS MEDANOS SITE AREA  
EDDY COUNTY, NEW MEXICO

COMBINED VIBROSEIS PROGRAM  
WITHIN WIPP SITE AREA

INTERPRETATION BY

G J LONG & ASSOCIATES, INC

SEISMOLOGIST

APPROVED

SCALE	DATE	C. I.	
1" = 2.000'			

103°54' W  
32°27' N

28

27

33

34



26'

SAN-1

4

3

261  
260

25'

9

10





26

25

30

29

35

36

31

32



2

1



6

5

**2**



240



11

12

7

8

28

27

26

33

34

35

ER  
TD

4

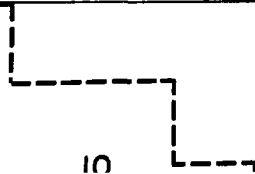
3

2

**3**

⊕ ERDA 11

9



10

⊕ ERDA 8  
TD 4910'

11

25

30

29

ERDA 6  
⊕ TD 2711'

36

ERDA 7  
⊕ TD 3908'

31

32

1

6

5

12

7

8

4

103°41' W  
32°27' N

30

29

ERDA 7  
⊕ TD 3908'  
31

32

6

5

7

8

5

24'

**SAN-3**

135

26



120



15



100



R

23'

21

22

22

S

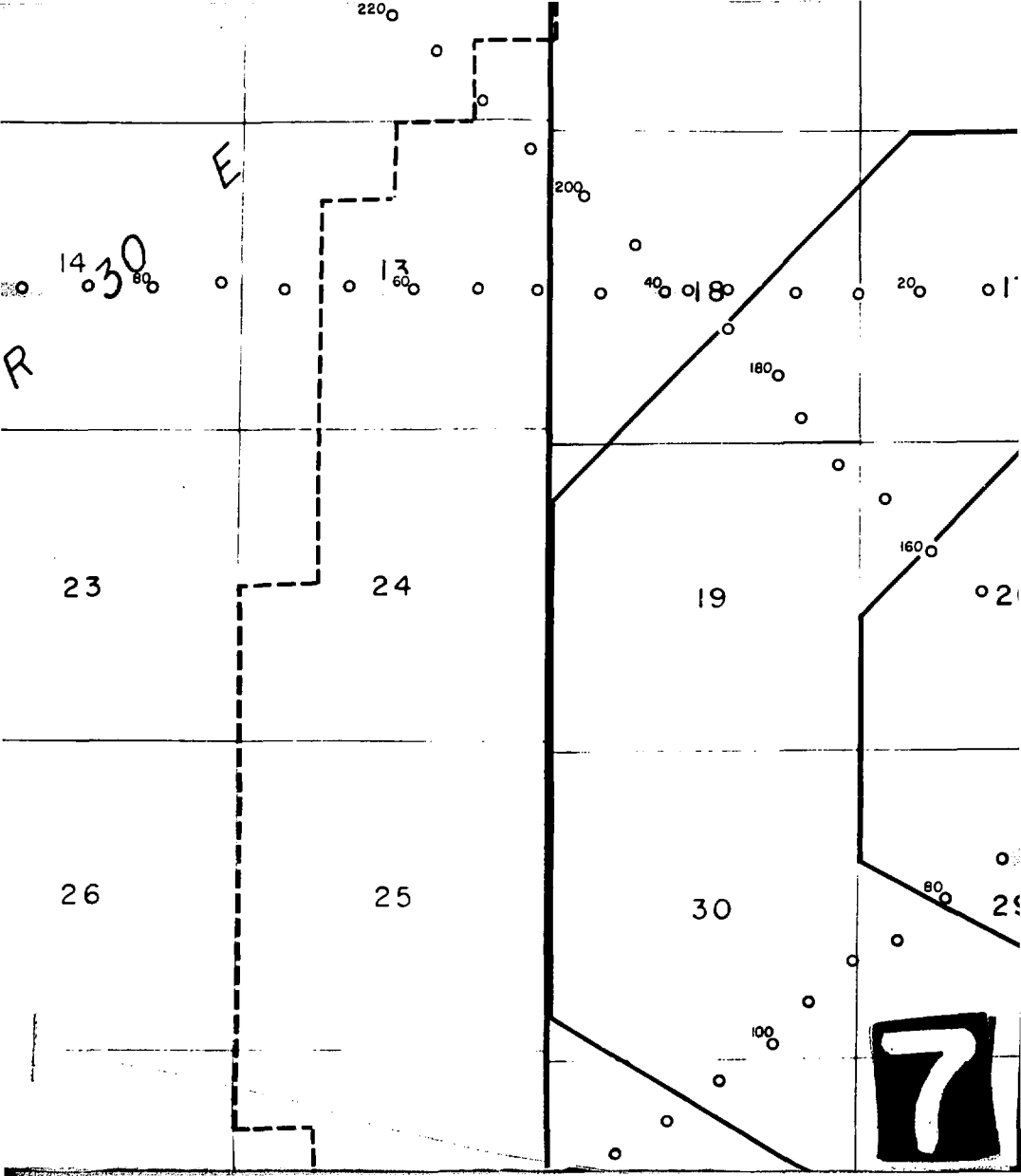
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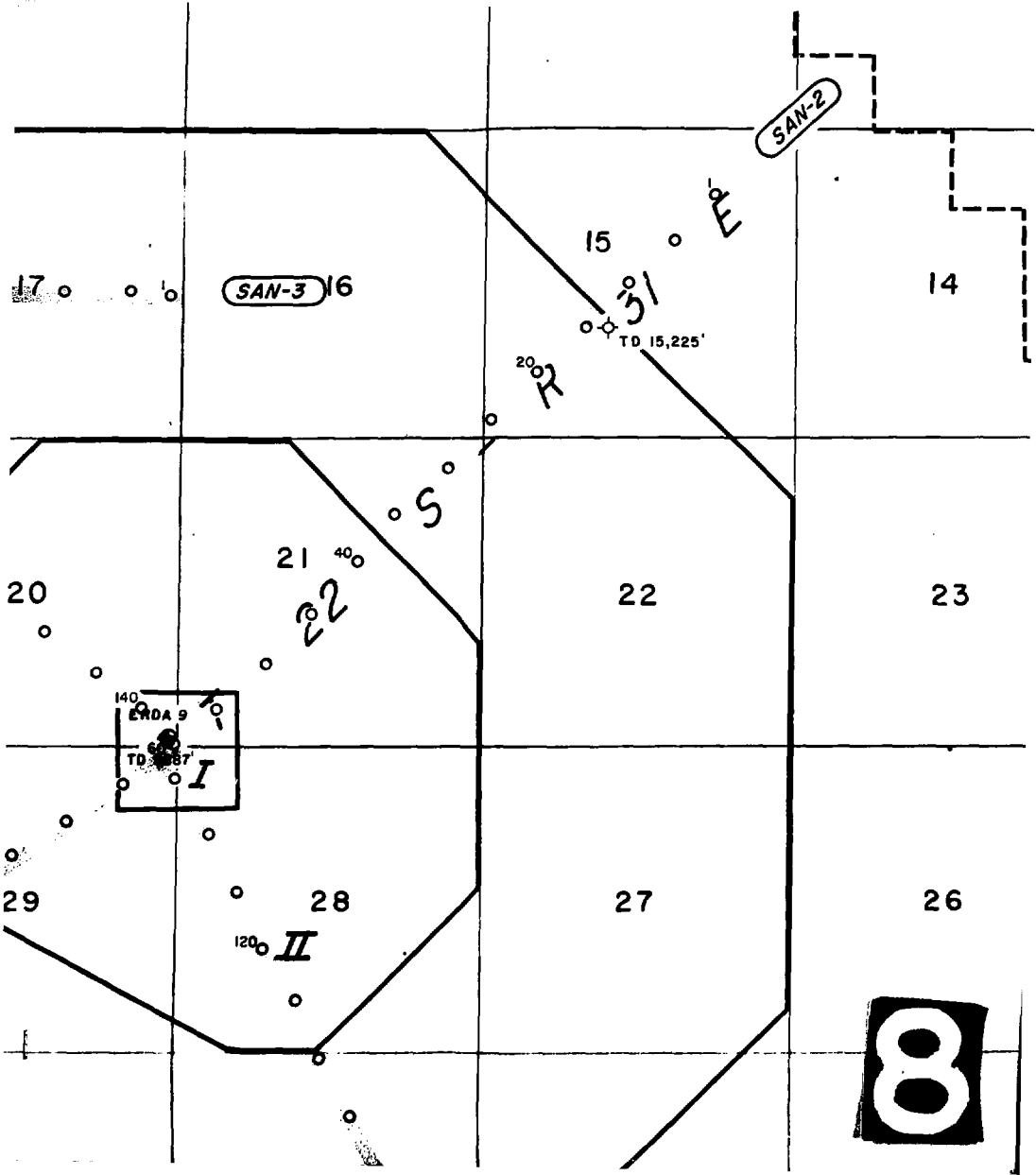
22'

28

27

**6**





13

18

17

32

JEN-1

R

24

19

20

S

22

WRT-1

BAS-1

T

25

30

29

FED-1

TY

TY

9



18

17

E

32

◇ JEN-1

R

S

19

20

22

◇ BAS-1

T

30

29

◇ FED-1

10

TY

Y

21'

33

34

20'

4

3

180

19'

9

205

200

10

SAN-2

R

18'

16

15  
23

S



T

35

36

31

32

120

140

JR-1



B-1



1

JR-3



JR 7  
TD 14,590'



6

2

160

5

E

1130

12

7

8

14

13

18

17

**12**

33

*III*

34

◇ G-1

35

800

AA

◇

◇ CB-1

4

*IV*

3

2

600

9

10 E

400

11

31

R

**13**

200

16 S

15

14

23

◇ PP 6

X

36

EDDY COUNTY

LEA COUNTY

31

32

AA-2

EDDY

LEA

1

6

5

FED-5

12

7

8

32

R

13

18

9

17

23

T

14

E

COUNTY

COUNTY

31

32

EDDY

LEA

6

5

FED-5



7

8

32

E

R

S

-

18

17

23

T

15

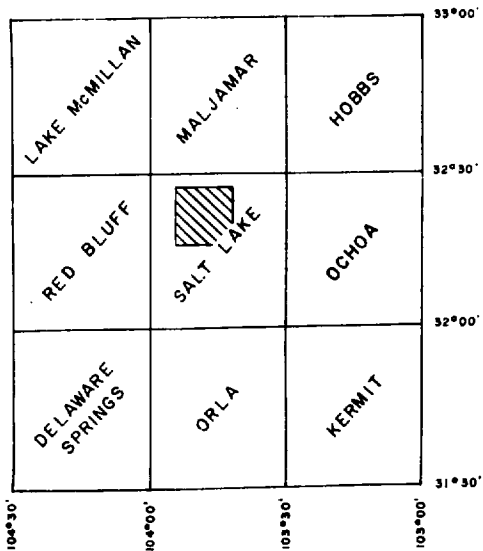
21

22

32°17' N  
103°54' W

53'

52'



16

23

24

19

2

51'

50

49

48

17



7

21

22

23

SCAN

47'

46'

45'



18

ZONE
I
II
III
IV
TOTAL

SAN-1

24

19

20

44'

43'

42'

19

ZONE	AREA
I	100 Acres
II	1,818 Acres
III	6,221 Acres
IV	10,821 Acres
TOTAL	18,960 Acres

## SANDIA LABORATORY

SEISMIC SURVEY

LOS MEDANOS SITE  
EDDY COUNTY, NEW MEXICO

1976 SEISMIC PROGRAM

INTERPRETATION BY:  
G. J. LONG & ASSOCIATES, INC.

SEISMOLOGIST

APPROVED

SCALE	DATE	C.
1" = 2,000'		

19

20

43'

42'

32°17'N  
103°41'W

# SANDIA LABORATORIES

SEISMIC SURVEY

LOS MEDANOS SITE AREA  
EDDY COUNTY, NEW MEXICO

1976 SEISMIC PROGRAM MAP

INTERPRETATION BY:  
G. J. LONG & ASSOCIATES, INC.

SEISMOLOGIST

APPROVED:

SCALE	DATE	C. I.	
1" = 2,000'			

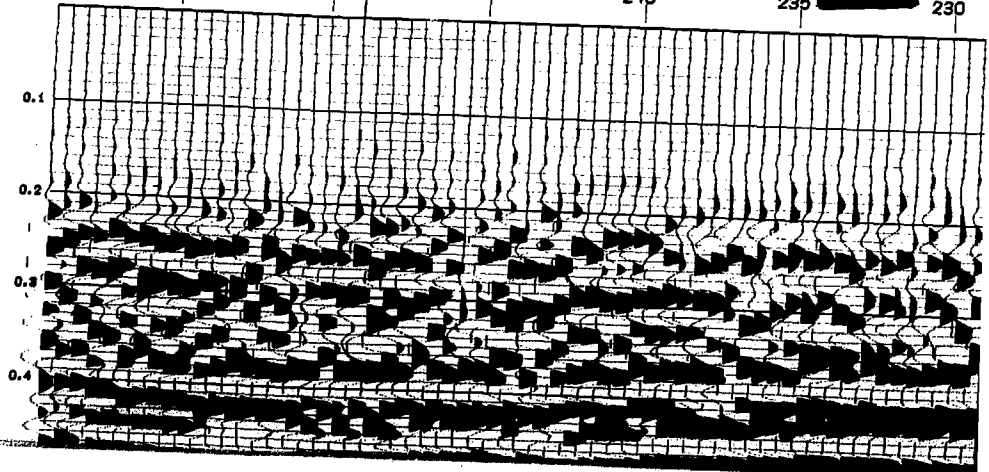
20



JAMES #1-A



259      255      250      245      240      235      230



2

225

220

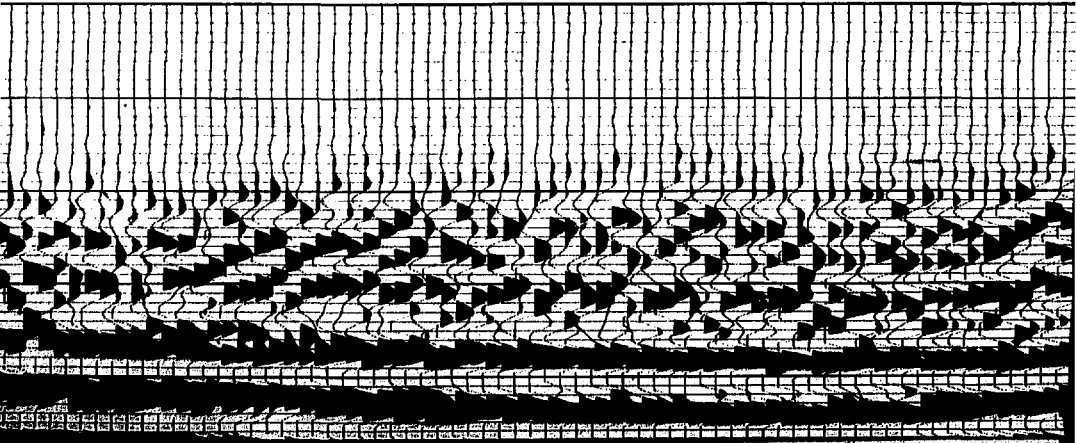
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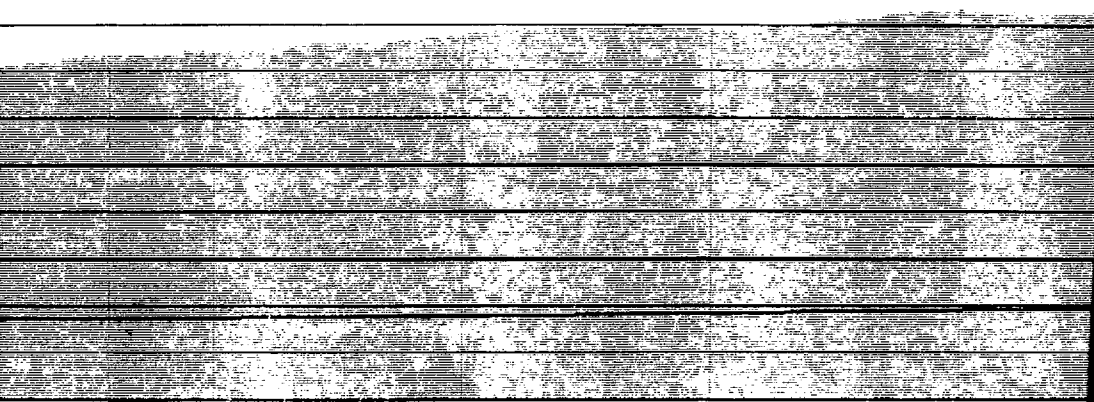
210

205

200

19





3

LINE 39

195

190

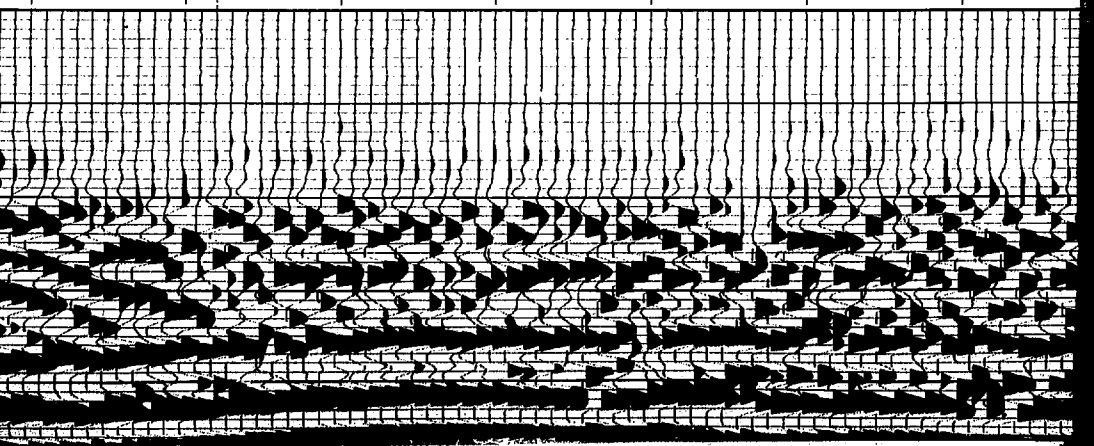
185

180

175

170

165



4



SANDIA CORE HOLE

LINE 2 61

160

155

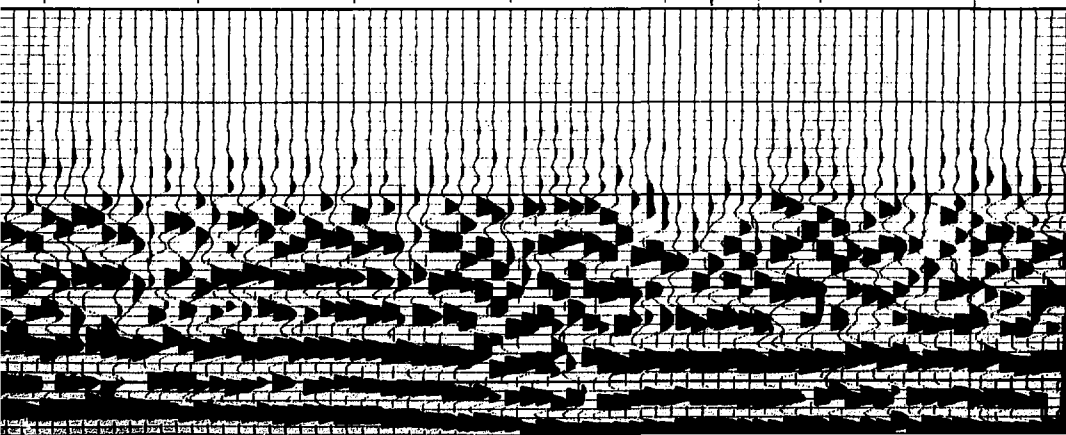
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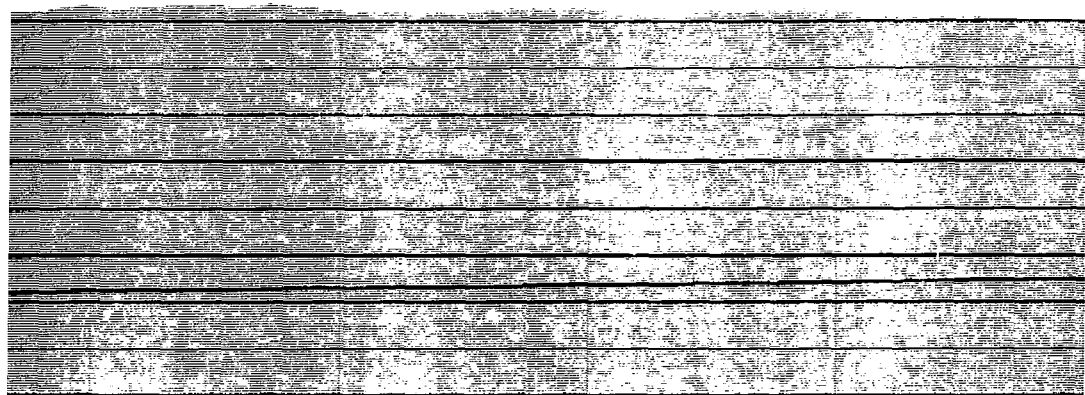
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140

135

130





5

125

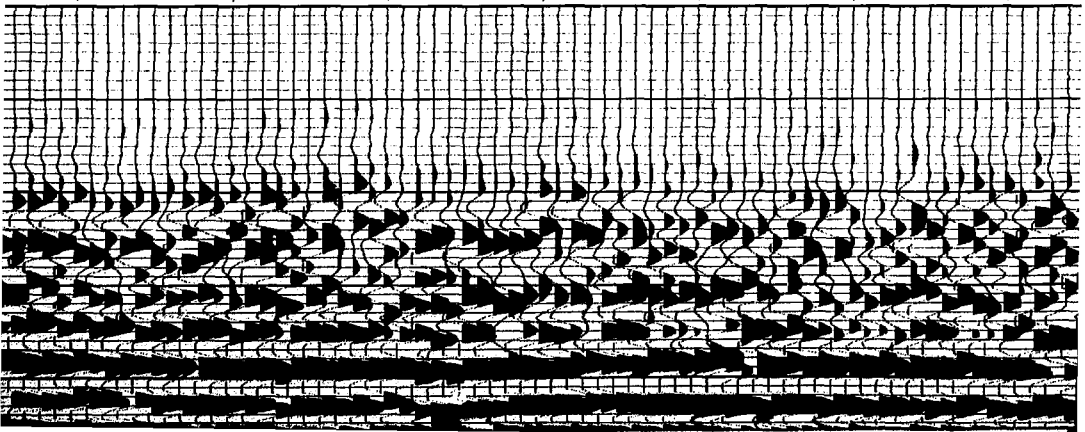
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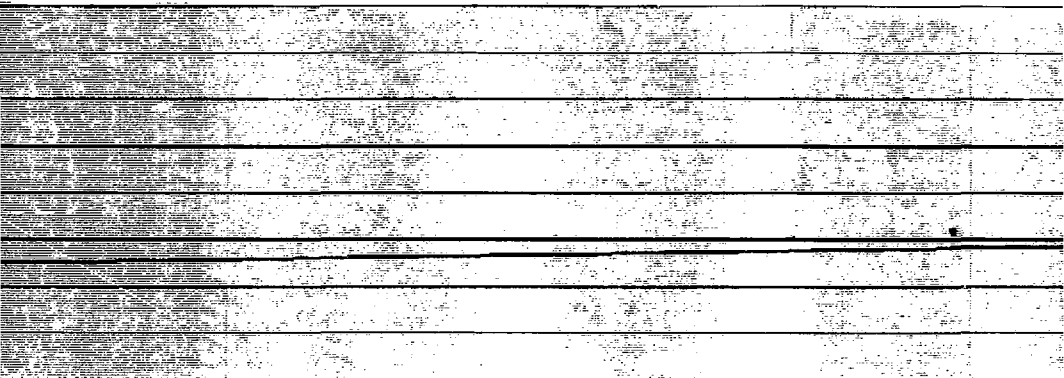
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105

100







6

90

85

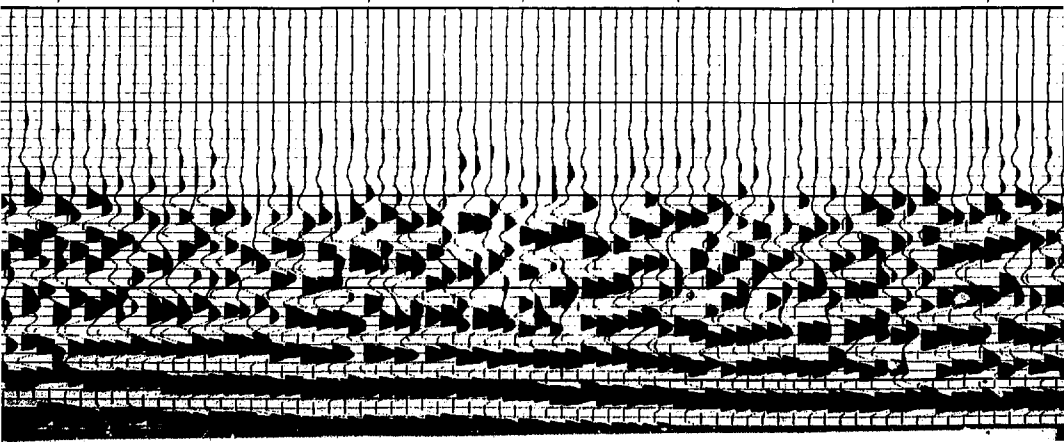
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75

70

65

60



7

55

50

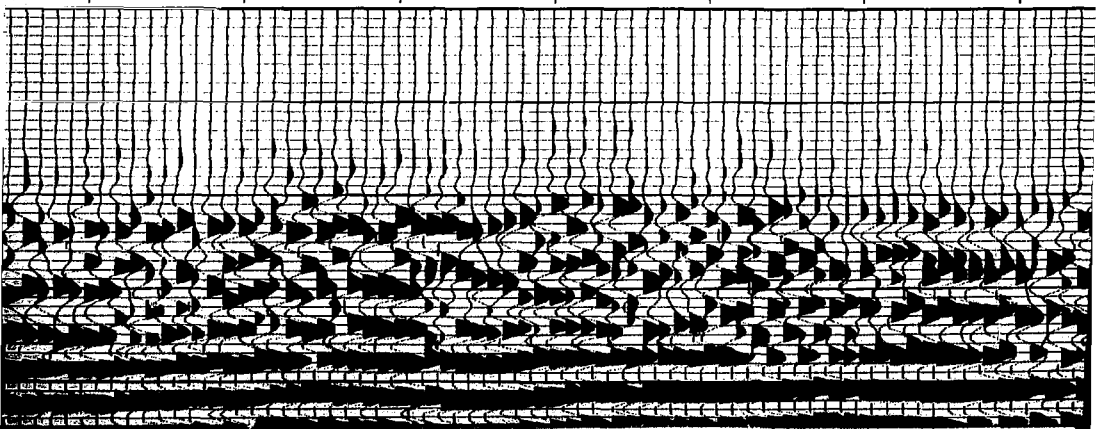
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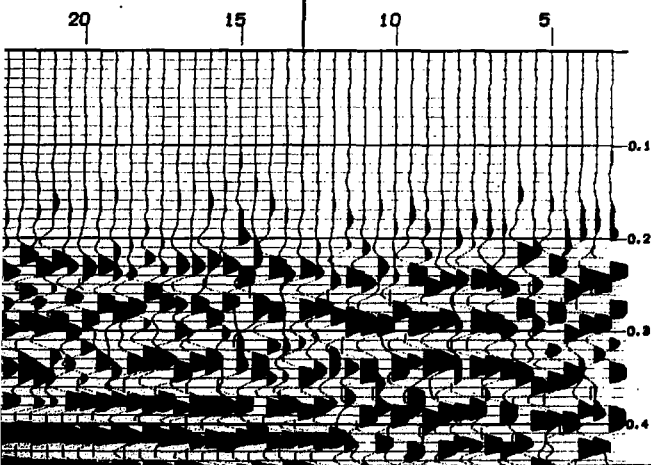
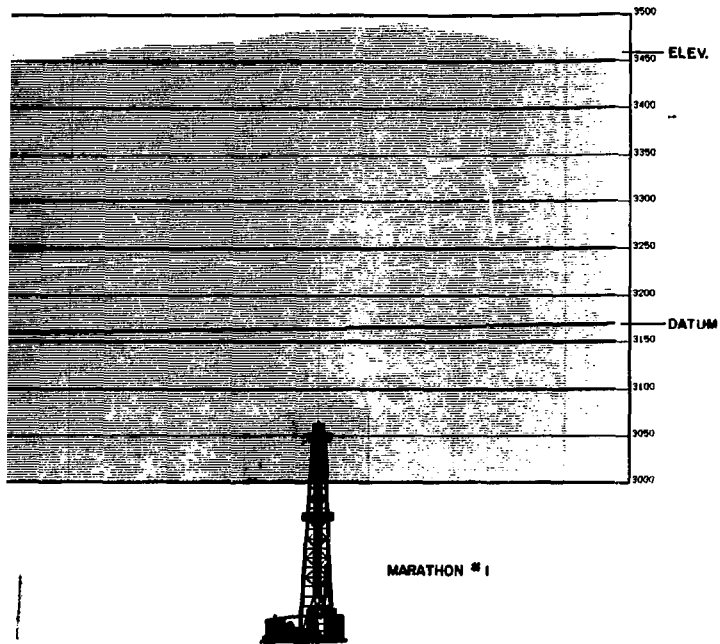
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35

30

25





**8**

# Dress

SANE

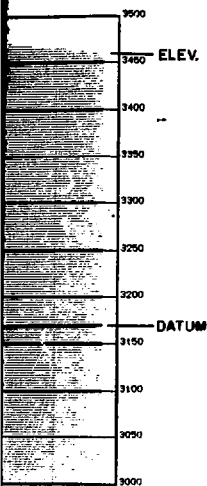
PROJECT LOS MED

LOCATION EDDY C

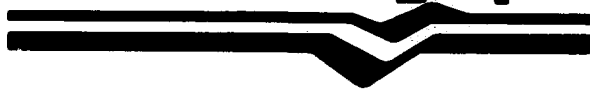
DATE RECORDED 4

DATE PROCESSED 1

- 1 DEMULTIPLEX
- 2 GAIN RECOVER
- 3 COMMON DEPT
- 4 APPLY DATUM
- 5 DECONVOLUTIONIC  
Pred. Length AU  
Start Gate For Tr.  
Gate Length 30
- 6 DIGITAL FREQ
- 7 VELOCITY AN



# Dresser Olympic



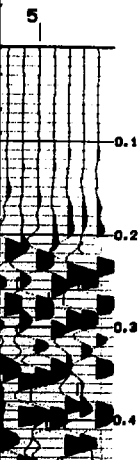
SEISMIC SURVEY  
FOR

## SANDIA LABS

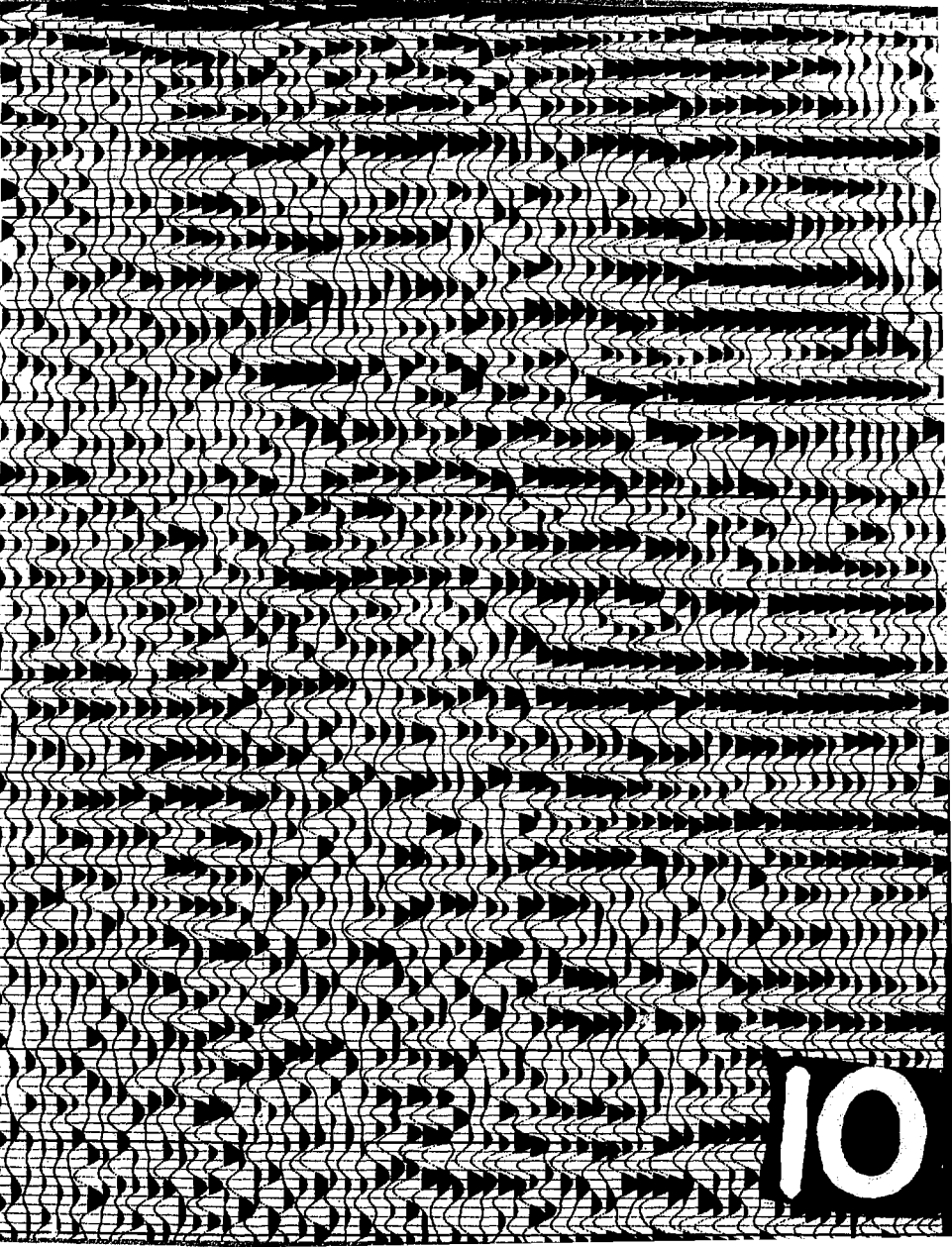
PROJECT LOS MEDANOS LINE 1  
 LOCATION EDDY COUNTY, TEXAS  
 DATE RECORDED 4-28-76 TO 5-3-76  
 DATE PROCESSED 5-17-76

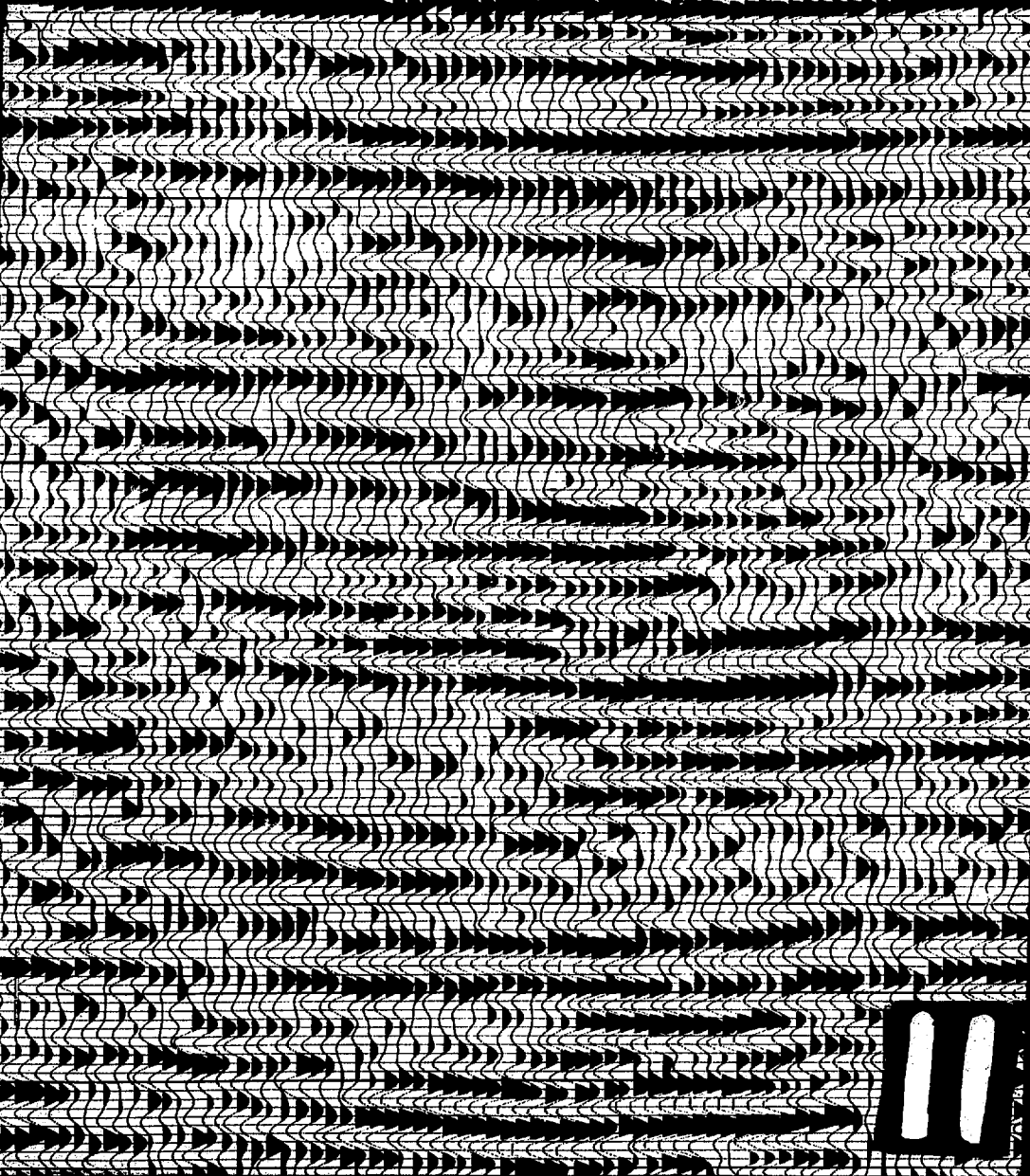
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- 1 DEMULTIPLÉX
- 2 GAIN RECOVERY
- 3 COMMON DEPTH POINT GATHER
- 4 APPLY DATUM STATICS
- 5 DECONVOLUTION  
 Pred. Length AUTO ms. Oper. Length 240 ms.  
 Start Gate For Tr. 800 ms. Near Tr. 300 ms.  
 Gate Length 3000 ms.
- 6 DIGITAL FREQUENCY FILTER 8-38 Hz 0 to 4000 ms.
- 7 VELOCITY ANALYSIS

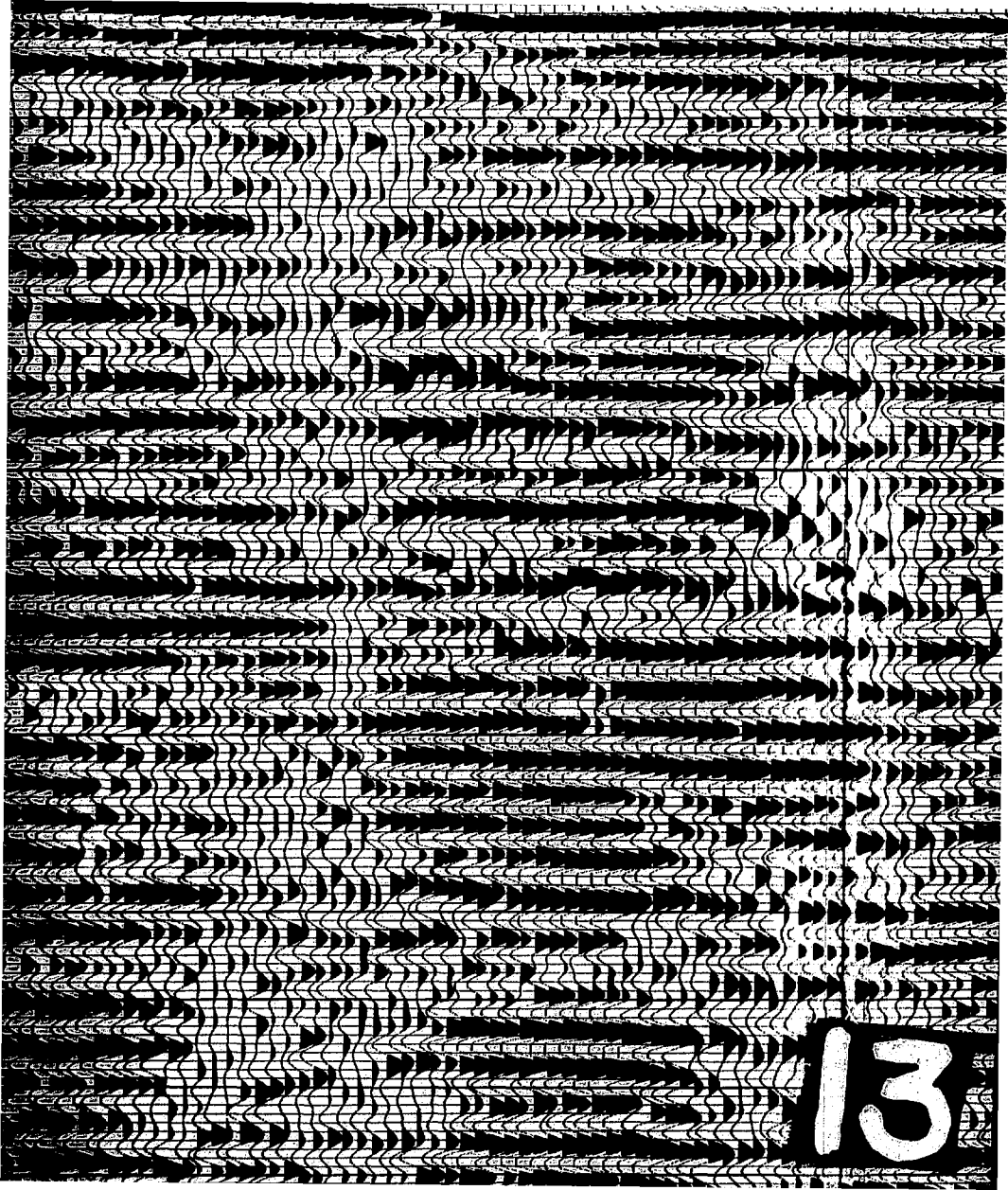


0.5  
0.6  
0.5  
0.8  
0.9  
1.0  
1.1  
1.2  
1.3  
1.4  
1.5  
1.6  
1.7  
1.8







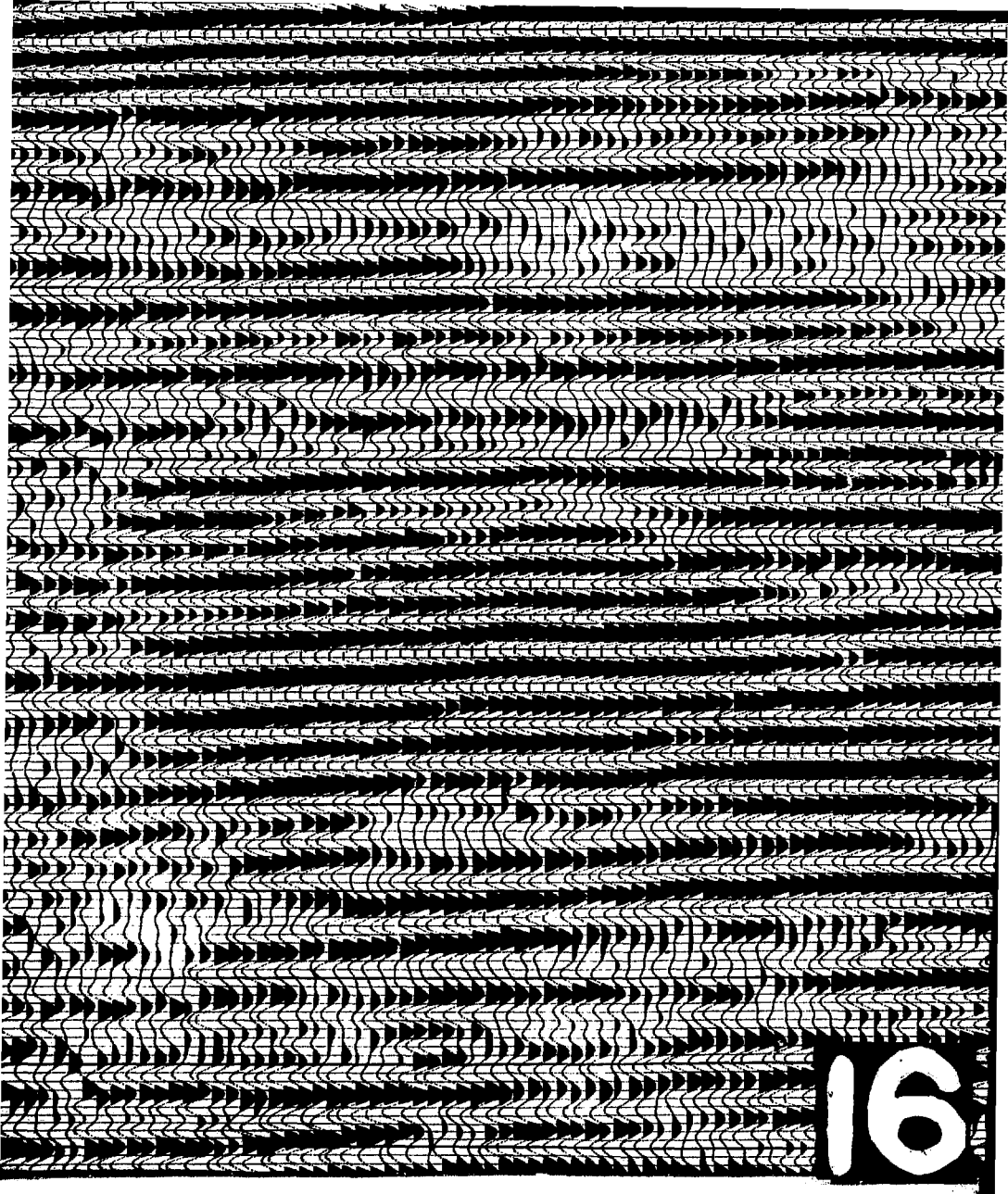


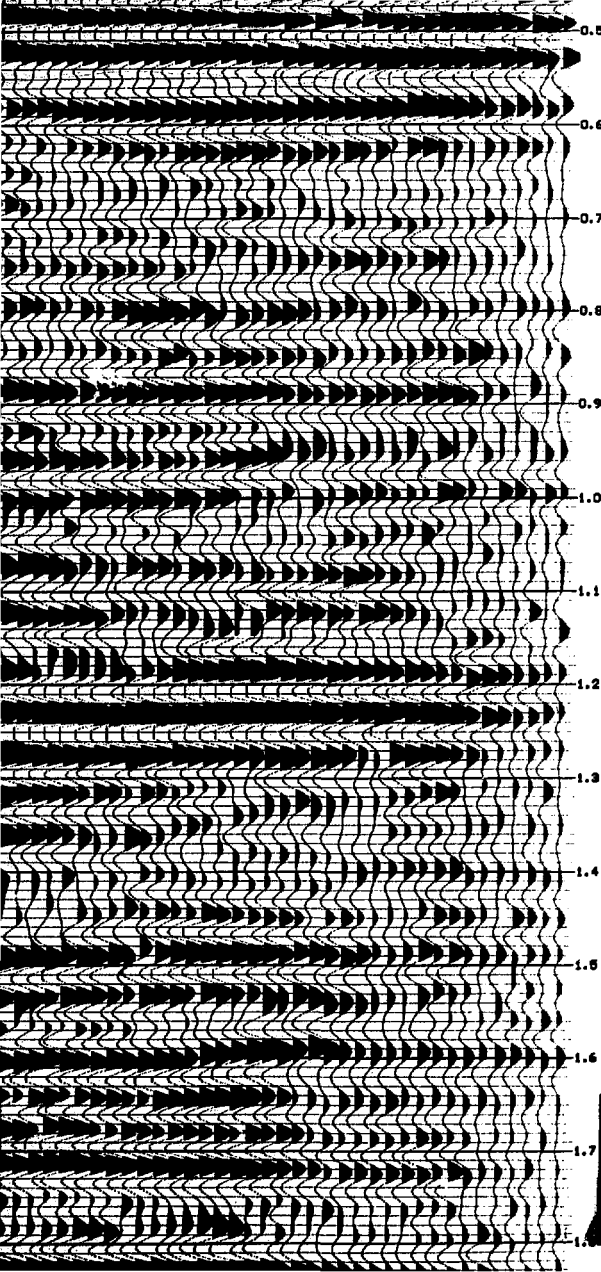
13











8 APPLY NORMAL M

9 MUTE

11 STACK 24 FOLD

\_\_\_ DECONVOLUTION

Pred. Length \_\_\_\_\_

Start Gate \_\_\_\_\_ m

Gate Length \_\_\_\_\_

12 DIGITAL FREQUENCY

12 - 38 Hz 0

8 - 30 Hz 600

\_\_\_\_\_ Hz \_\_\_\_\_

\_\_\_\_\_ Hz \_\_\_\_\_

10 AUTOMATIC RESIDUAL

\_\_\_ MIGRATION

\_\_\_ DIGITAL AGC

DATE \_\_\_\_\_

ANALOG PLAYBACK

FILTER OUT - OUT

HORIZONTAL SCALE 8 TR/

COMPUTING

DATUM VRH

RECORDING

RECORDED BY DRESS

INSTRUMENT TYPE DFS

NOTCH FILTER IN SAMPLE

ENERGY SOURCE : VIBROSE

NO./SWEEPS PER LOCATION

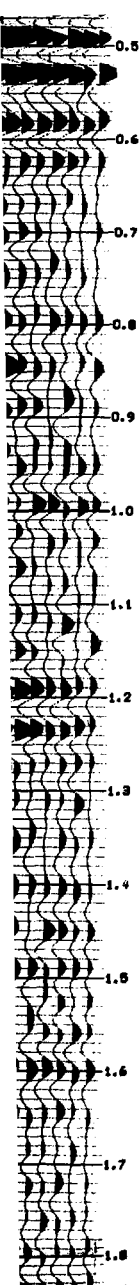
MODEL & TYPE GEOPHONES

TYPE COVERAGE 2400 %

NO. TRACES 48 OFFSET \_\_\_\_\_

**17**

SPREAD DIAGRAM



8 APPLY NORMAL MOVEOUT

9 MUTE

11 STACK 24 FOLD

DECONVOLUTION

Pred. Length \_\_\_\_\_ ms. Oper. Length \_\_\_\_\_ ms.

Start Gate \_\_\_\_\_ ms.

Gate Length \_\_\_\_\_ ms.

12 DIGITAL FREQUENCY FILTER

12 - 38 Hz 0 to 600 ms.

8 - 30 Hz 600 to 4000 ms.

\_\_\_\_\_ Hz \_\_\_\_\_ to \_\_\_\_\_ ms.

\_\_\_\_\_ Hz \_\_\_\_\_ to \_\_\_\_\_ ms.

10 AUTOMATIC RESIDUAL STATICS

\_\_\_\_\_ MIGRATION

\_\_\_\_\_ DIGITAL AGC

DATE : 5 - 18 - 76

ANALOG PLAYBACK

FILTER OUT - OUT MIX NONE

HORIZONTAL SCALE 8 TR/IN VERTICAL SCALE 7.5"/SEC

COMPUTING

DATUM VRH VELOCITY 8000'/SEC

RECORDING

RECORDED BY DRESSER OLYMPIC

INSTRUMENT TYPE DFS 111 RECORD FILTER 8 - 18 - 62 Hz

NOTCH FILTER IN SAMPLE RATE 4 ms RECORD LENGTH 4 sec

ENERGY SOURCE : VIBROSEIS SWEEP FREQUENCY 8 - 39 Hz

NO./SWEEPS PER LOCATION 16 LOCATION INTERVAL 220'

MODEL & TYPE GEOPHONES WHS FREQ. 8 Hz NO./GROUP 48

TYPE COVERAGE 2400 % SPREAD LENGTH 11880'

NO. TRACES 48 OFFSET 880' GROUP INTERVAL 220'

SPREAD DIAGRAM

V.P.

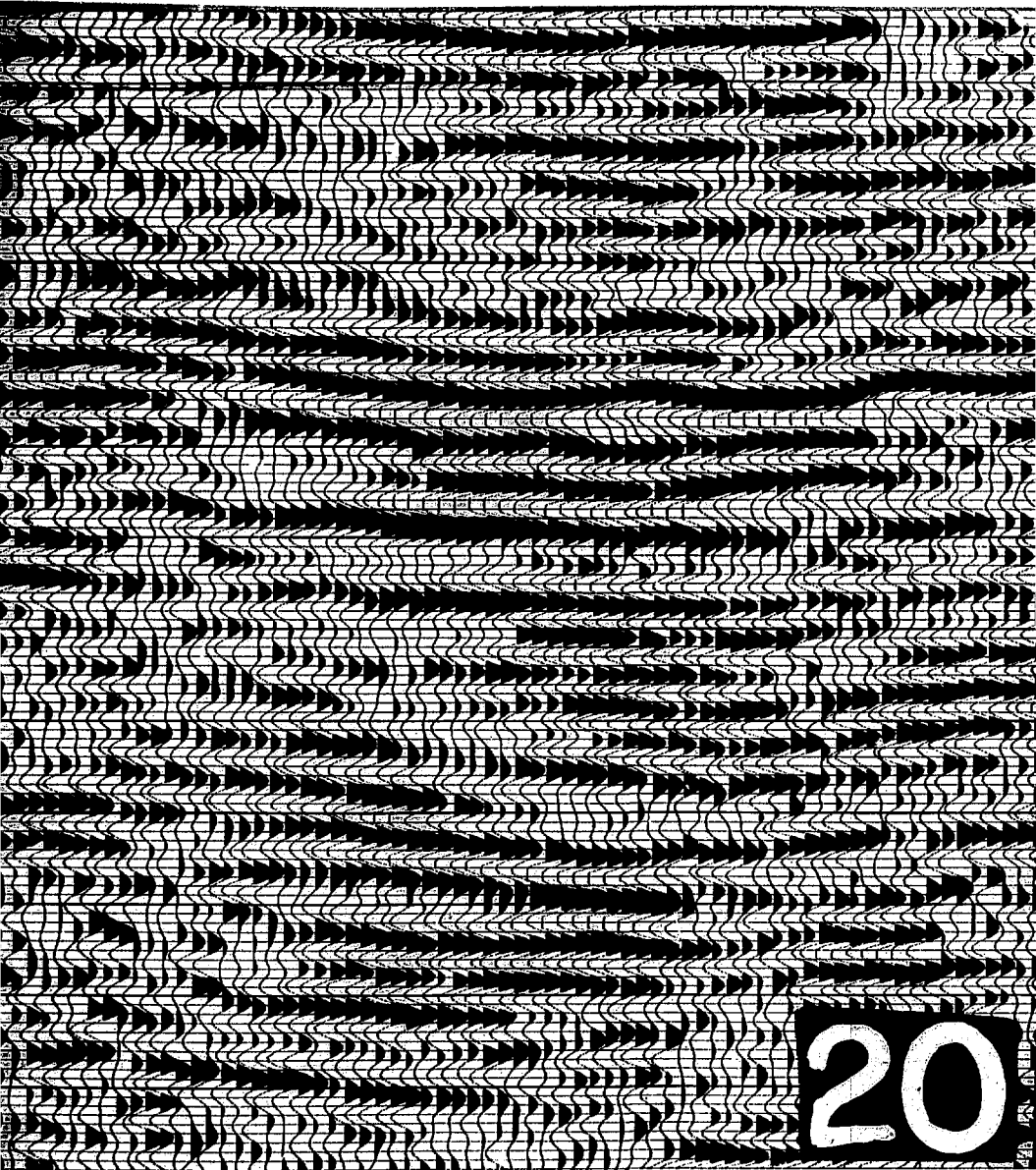
-----24



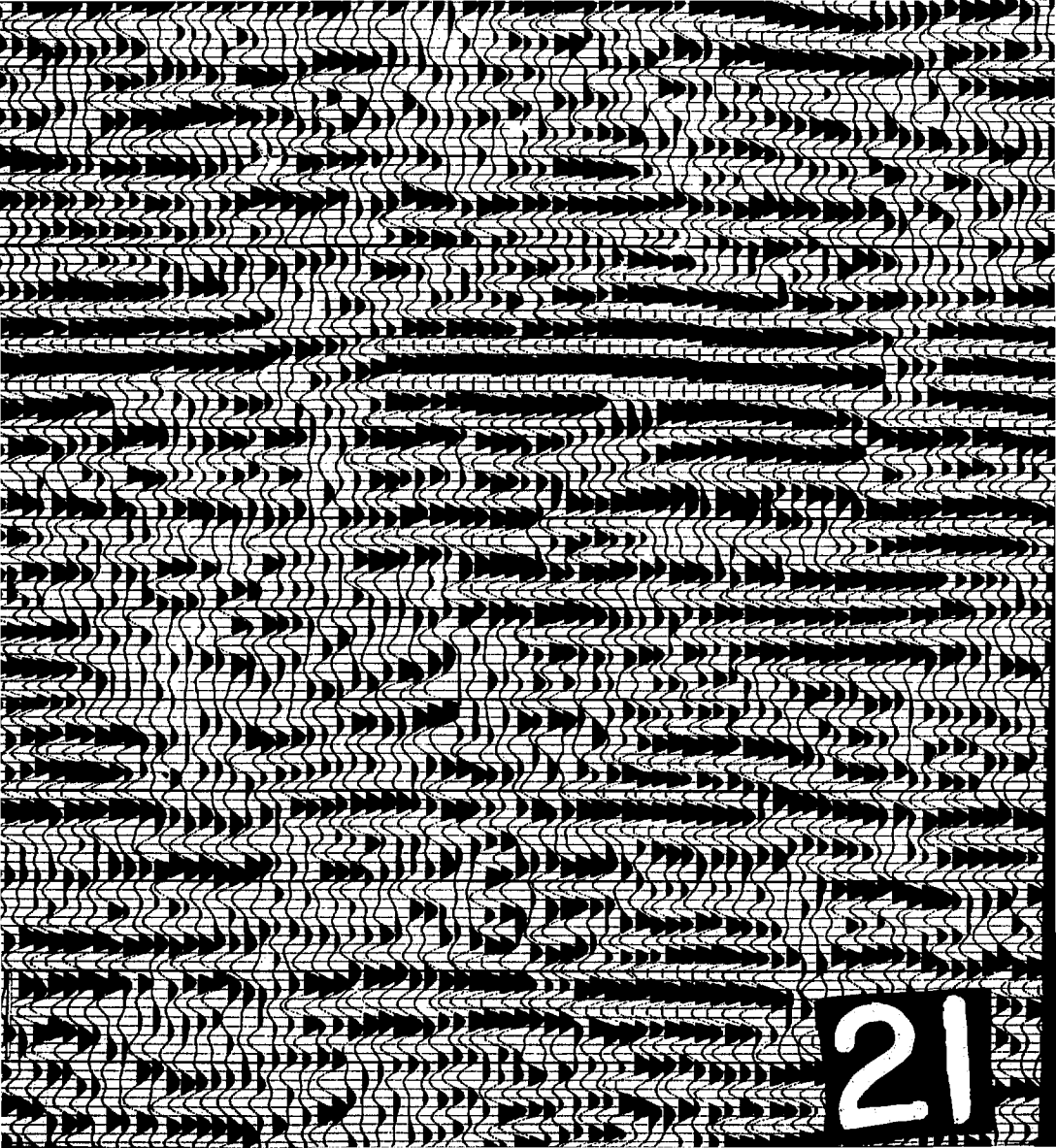
25-----48

18

1.0  
1.5  
2.0  
2.1  
2.2  
2.3  
2.4  
2.5  
2.6  
2.7  
2.8  
2.9



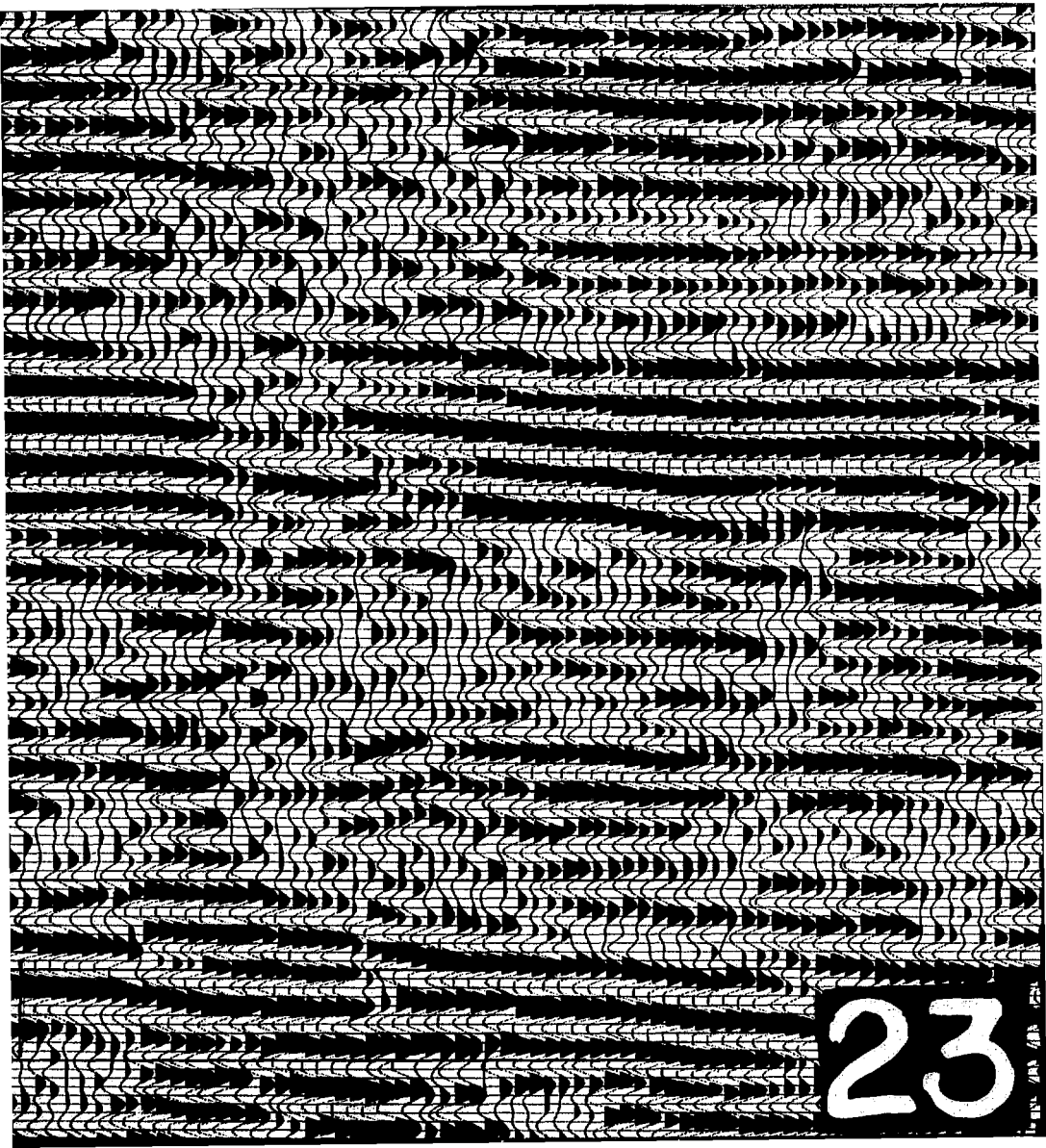
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21







23



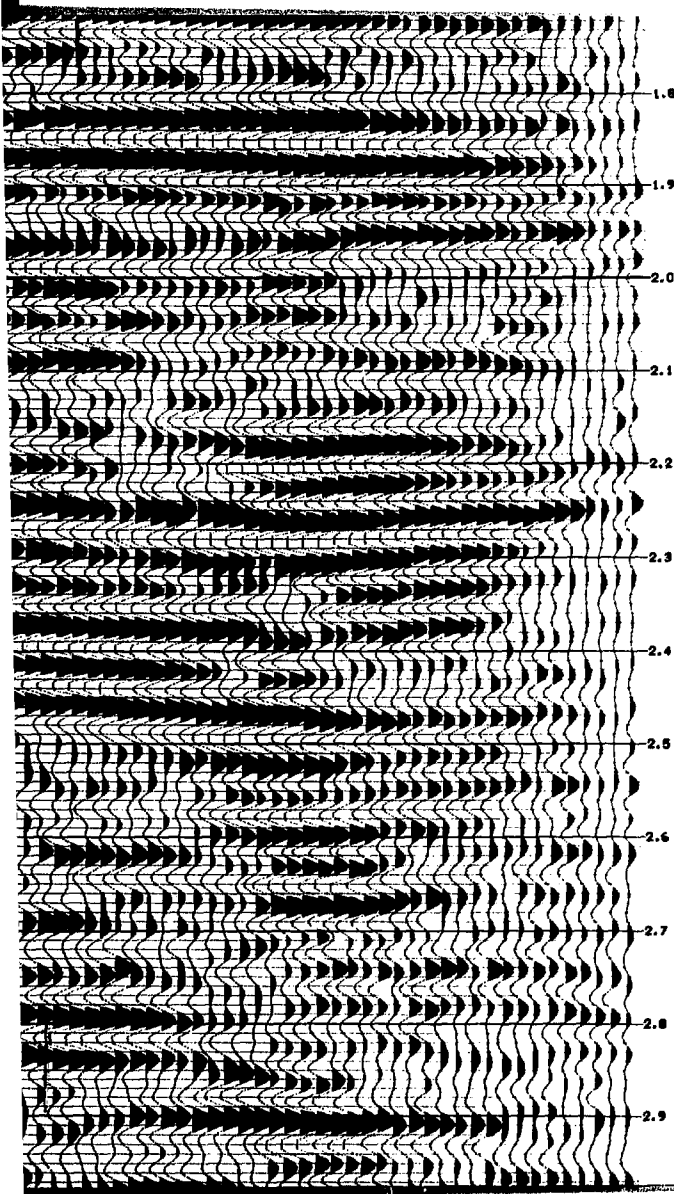


25

SPREAD DIAGRAM

-----24

5060'



26

SPREAD DIAGRAM

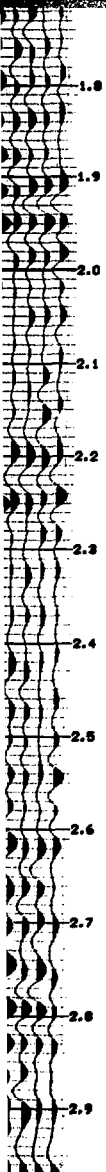
V.P.

-----24



25-----48

|← 5060' →|← 890' →|← 880' →|← 5060' →|



27

2.9

3.0

3.1

3.2

3.3

3.4

3.5

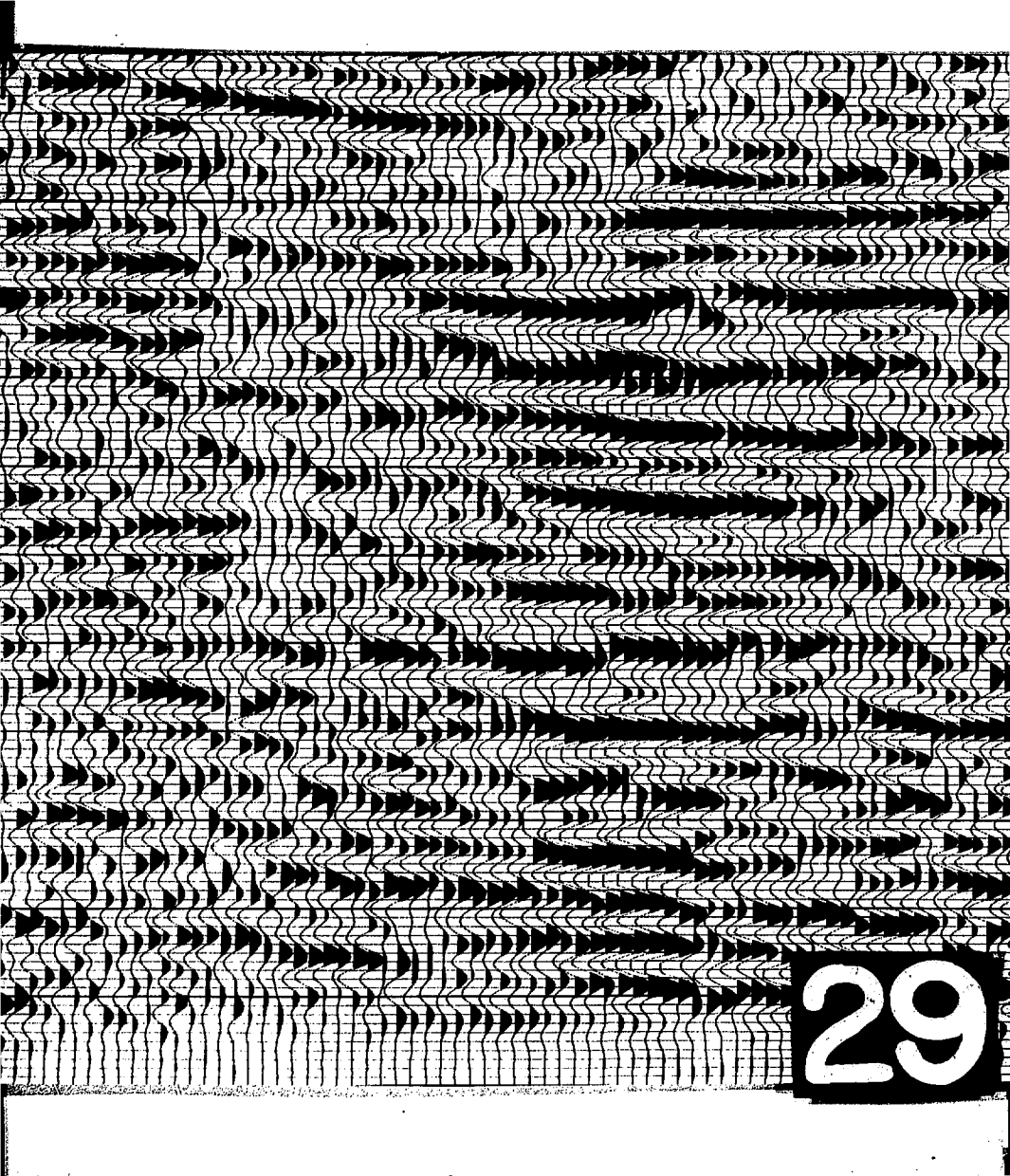
3.6

3.7

3.8

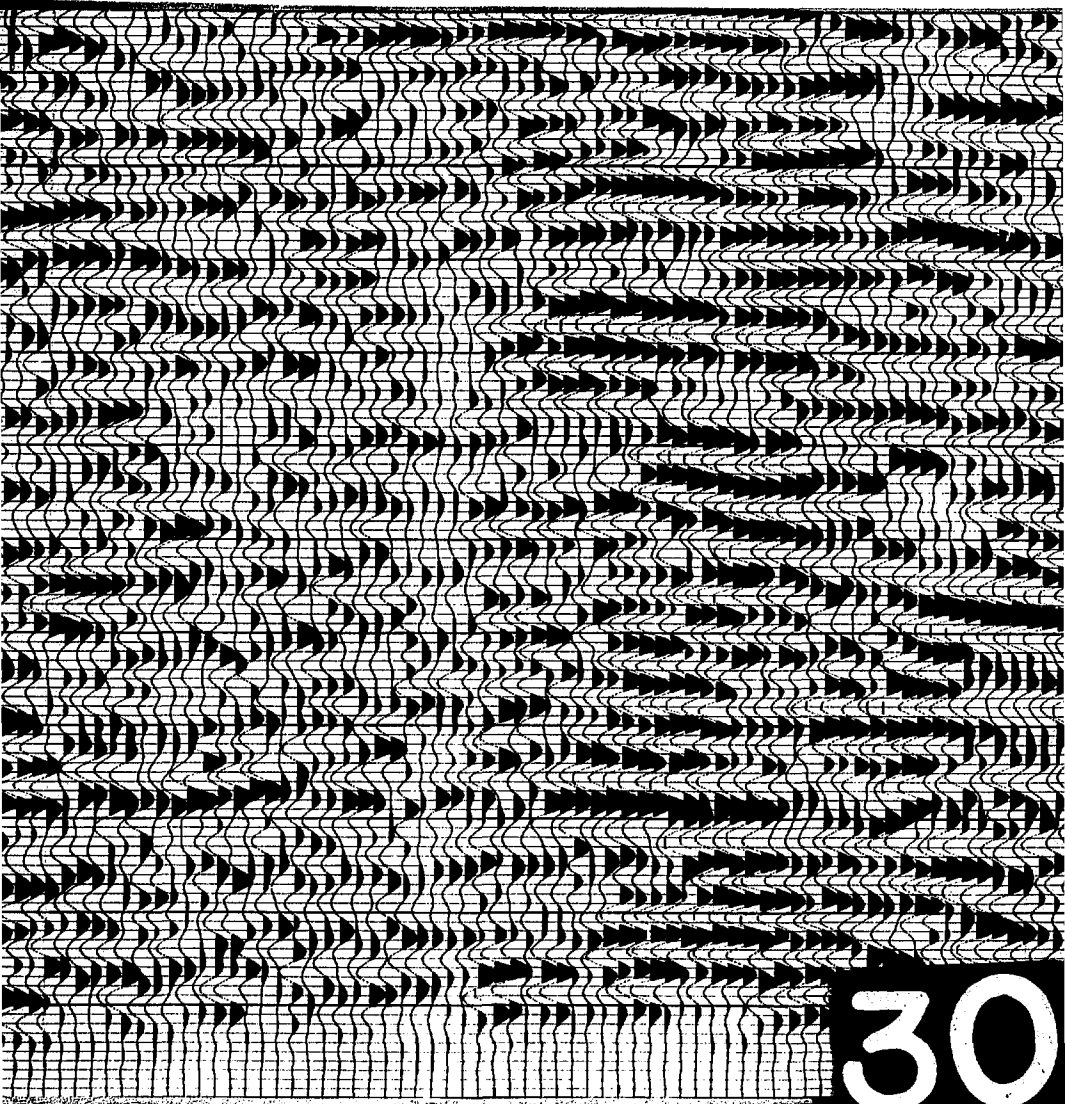
3.9

28

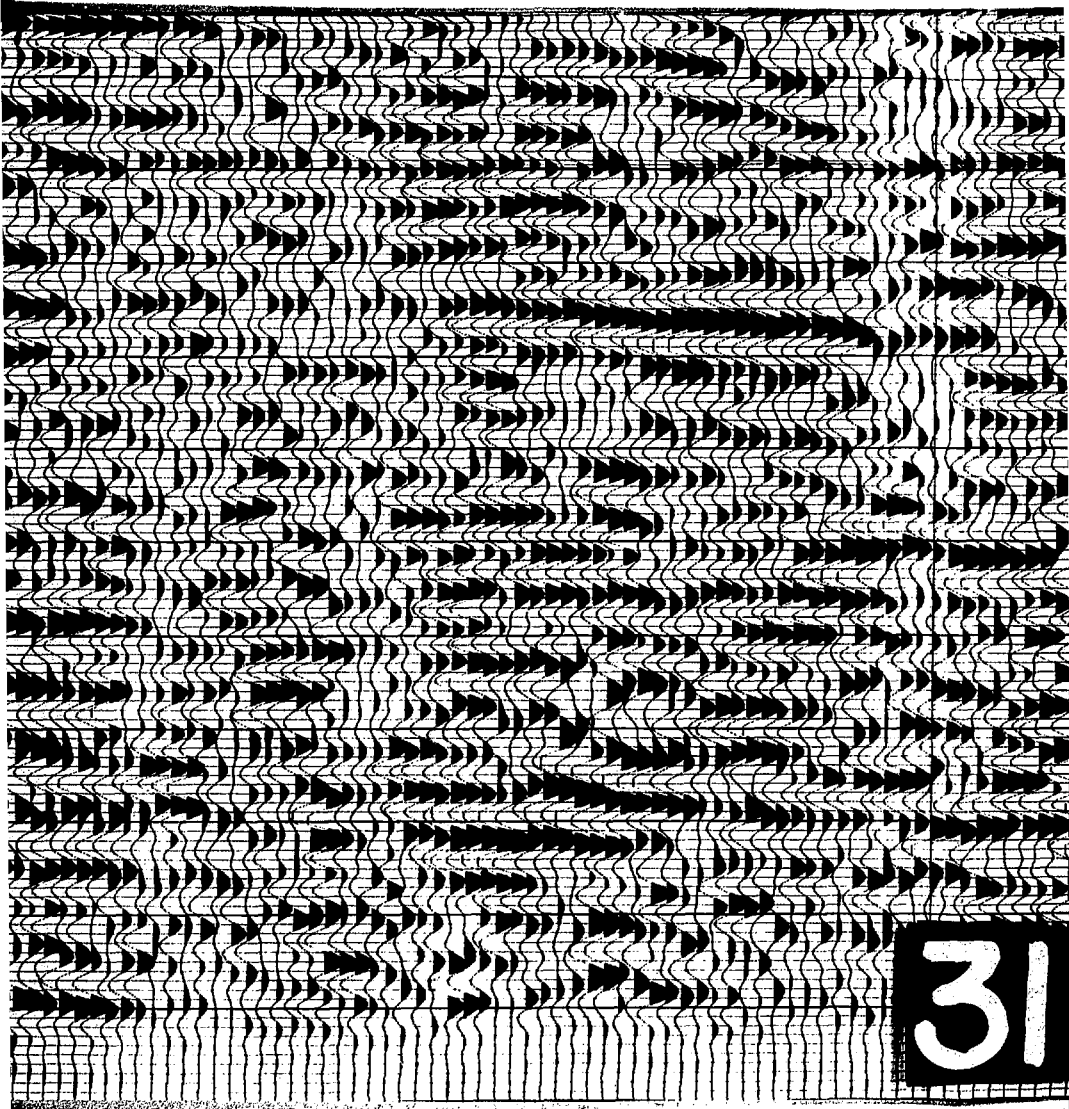


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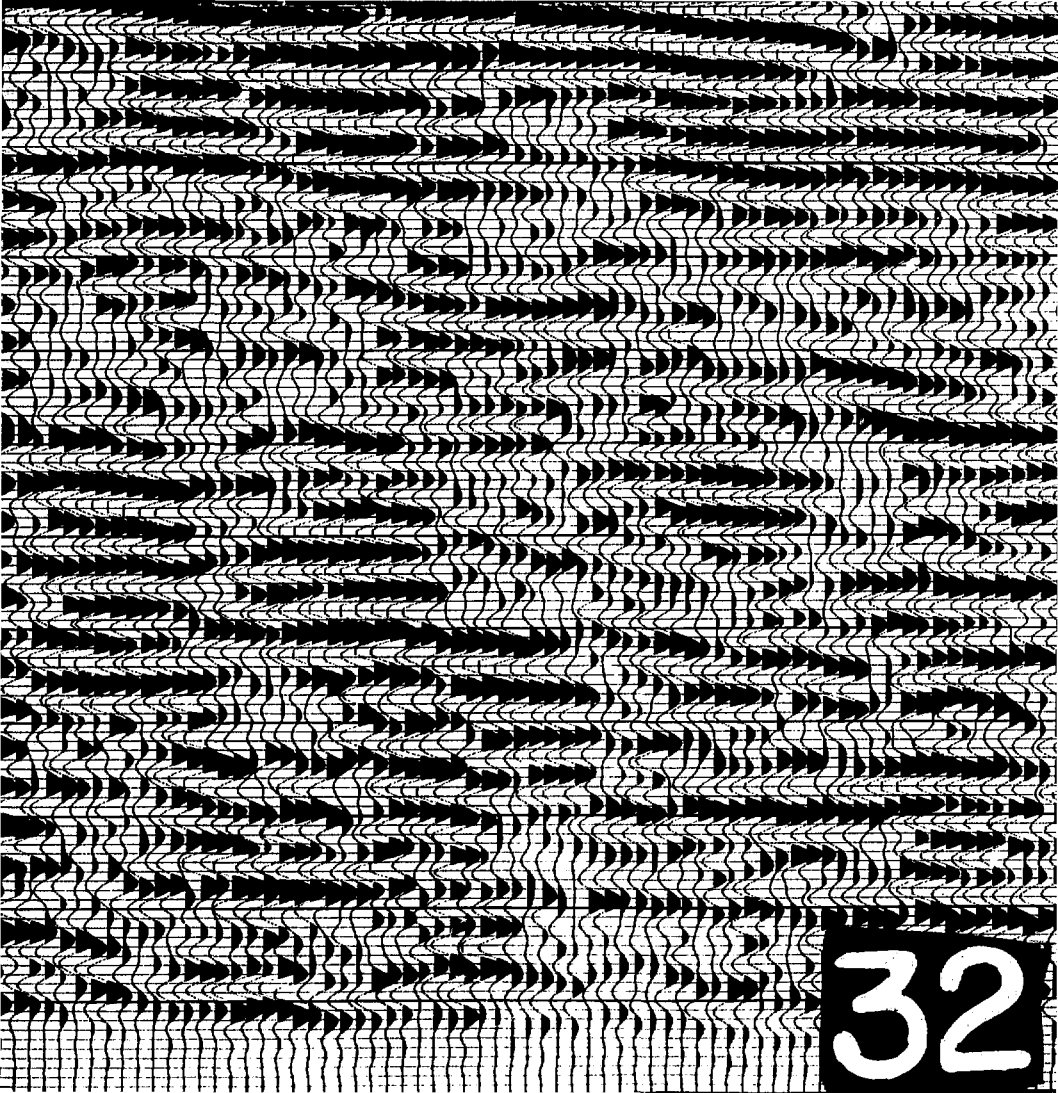




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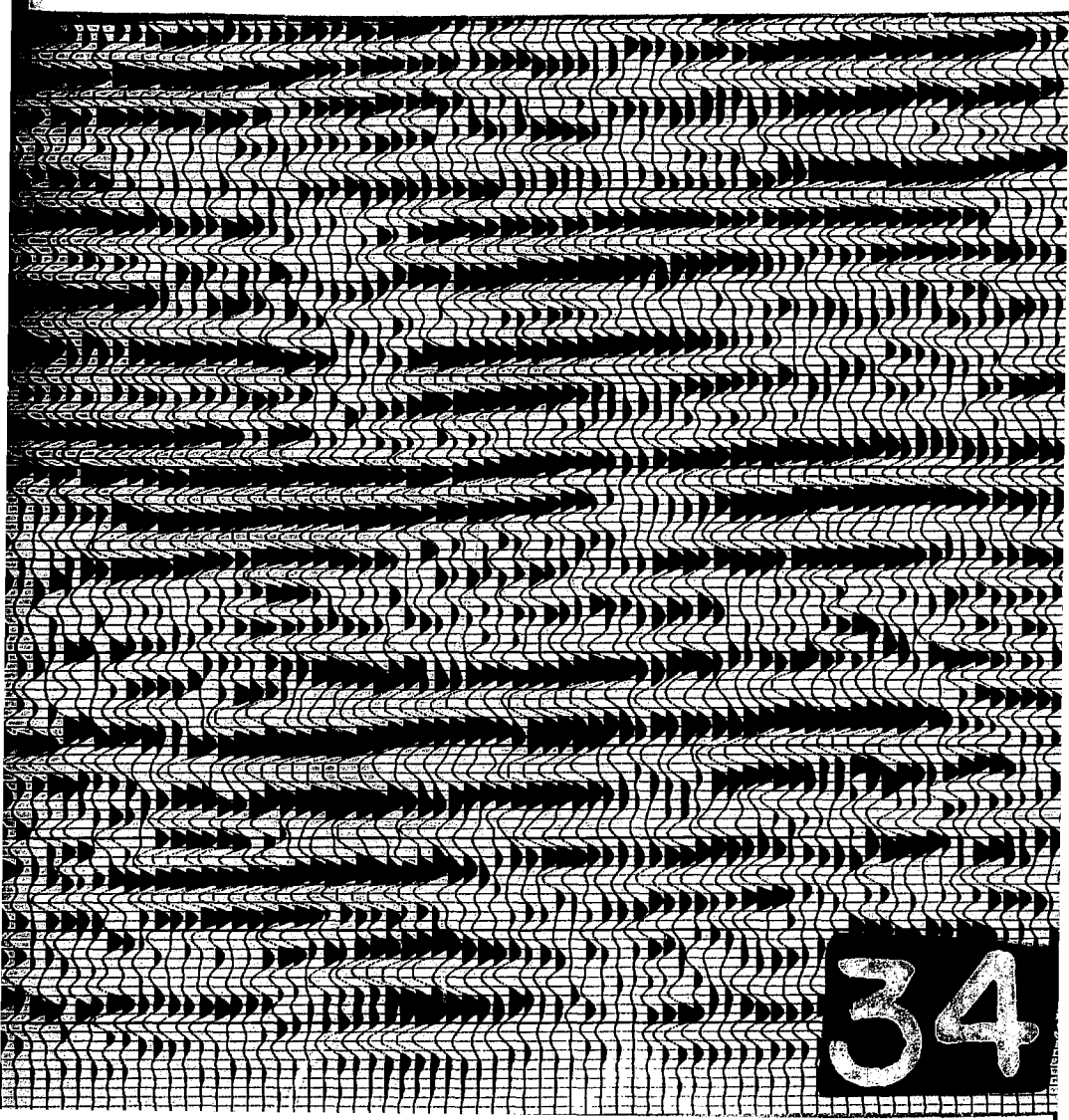
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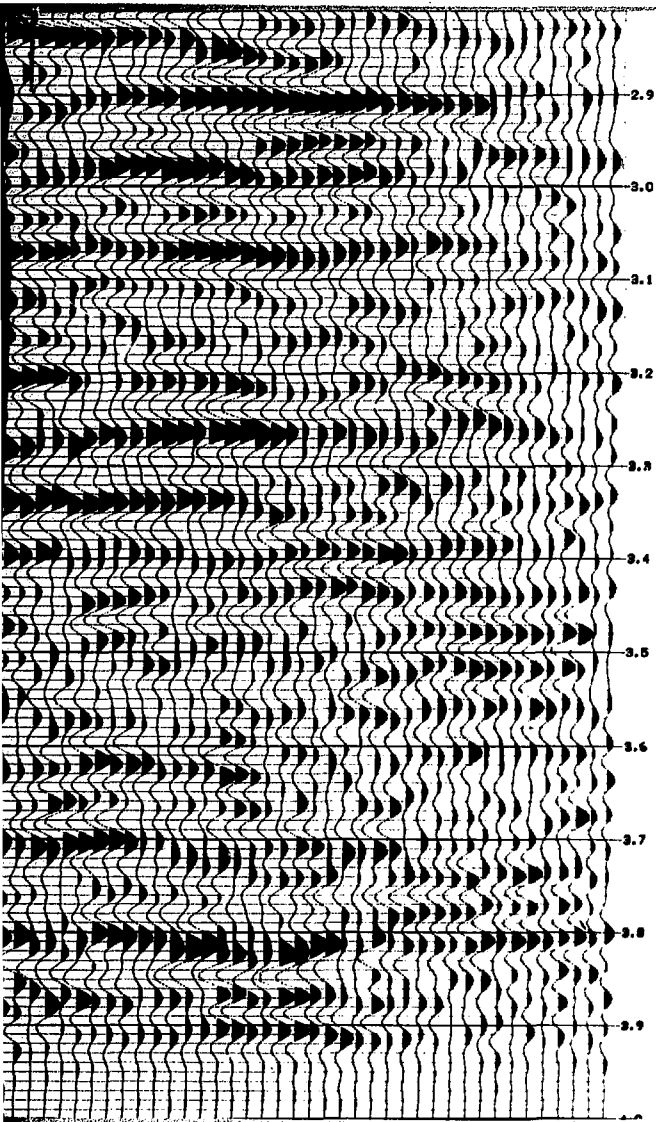
32



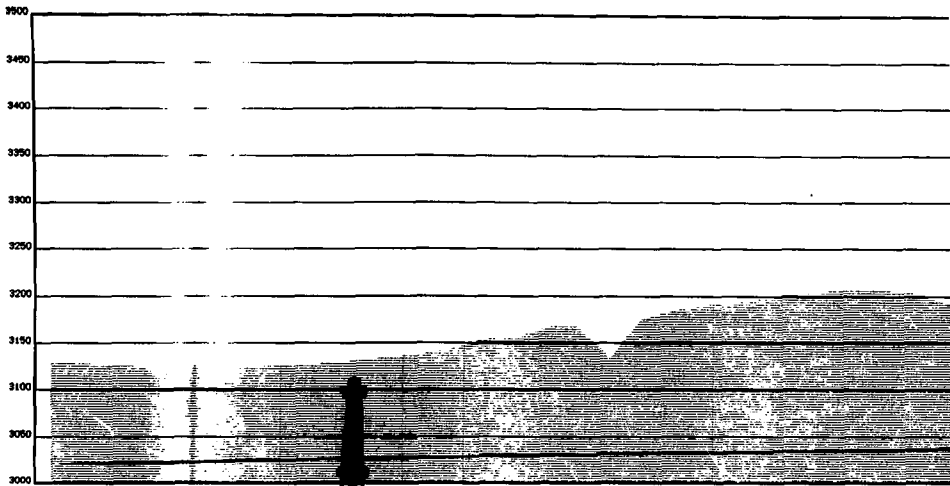
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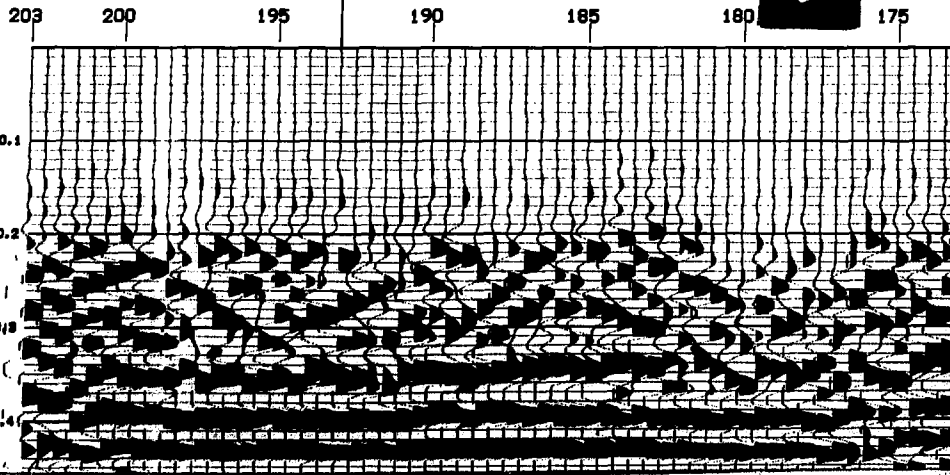
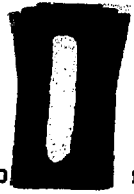
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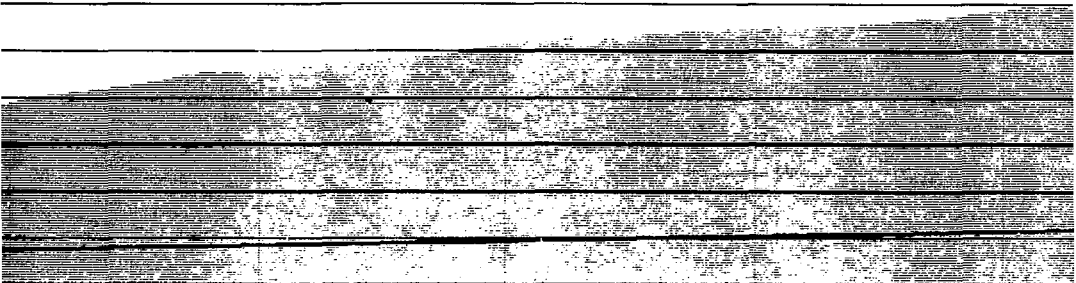


35



WILLS #1





4

2

170

165

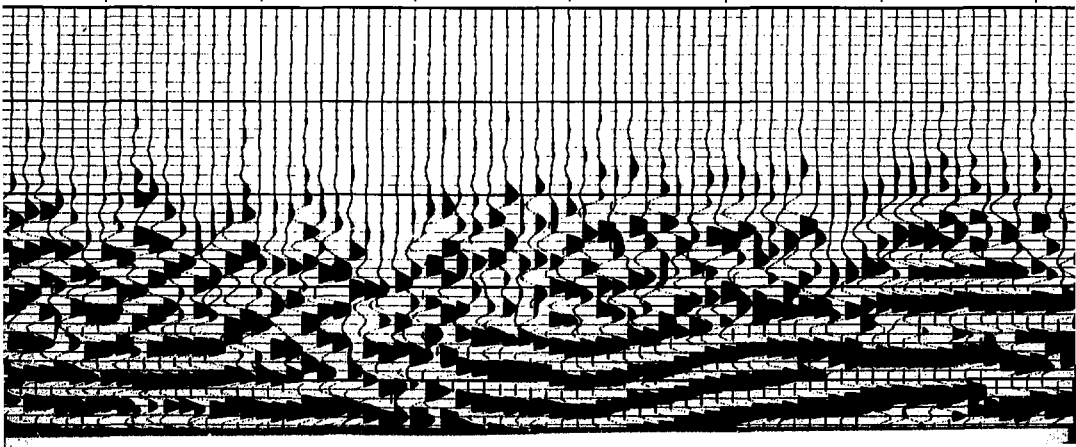
160

155

150

145

140







SHELL # 1

3

40

135

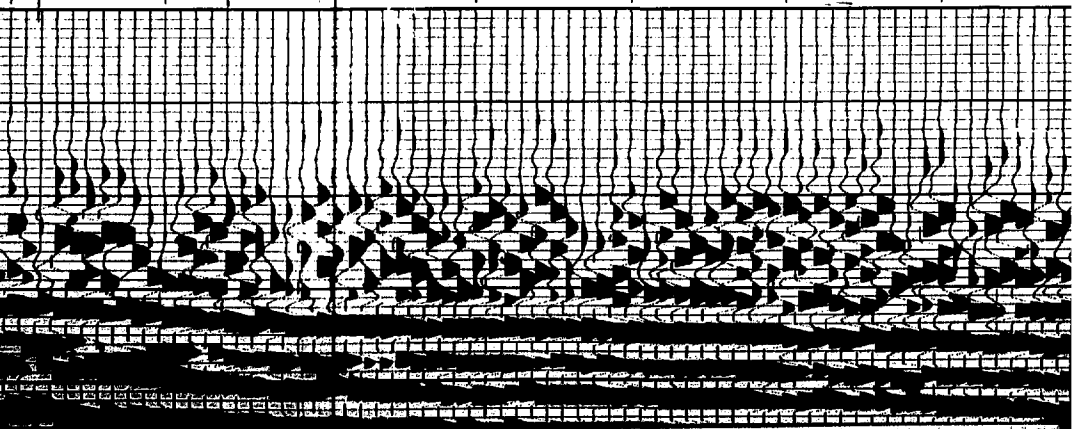
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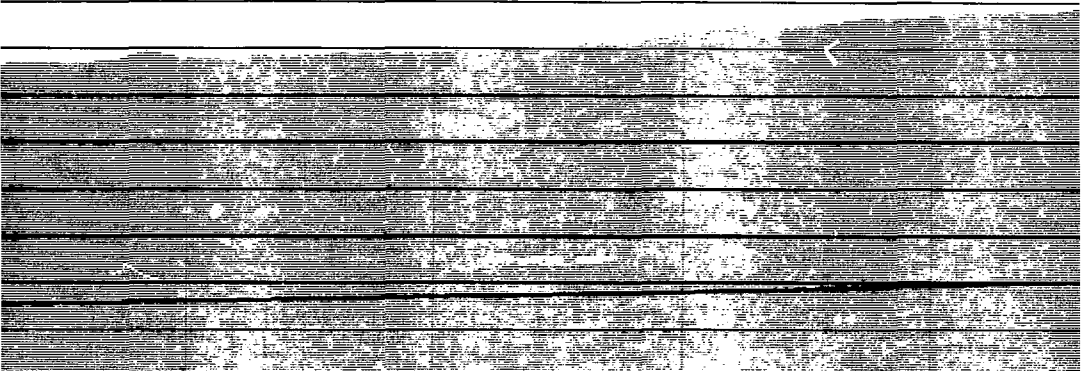
125

120

115

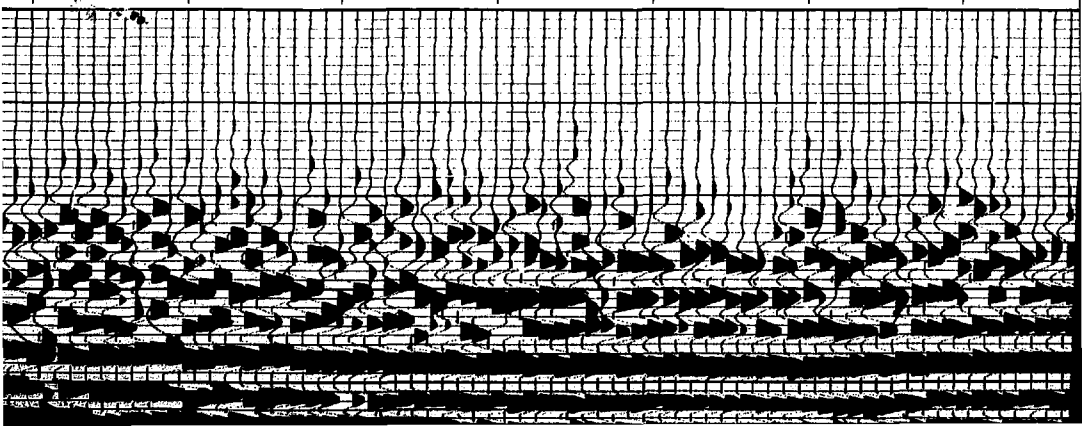
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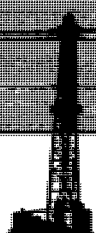




4

105      100      95      90      85      80      75



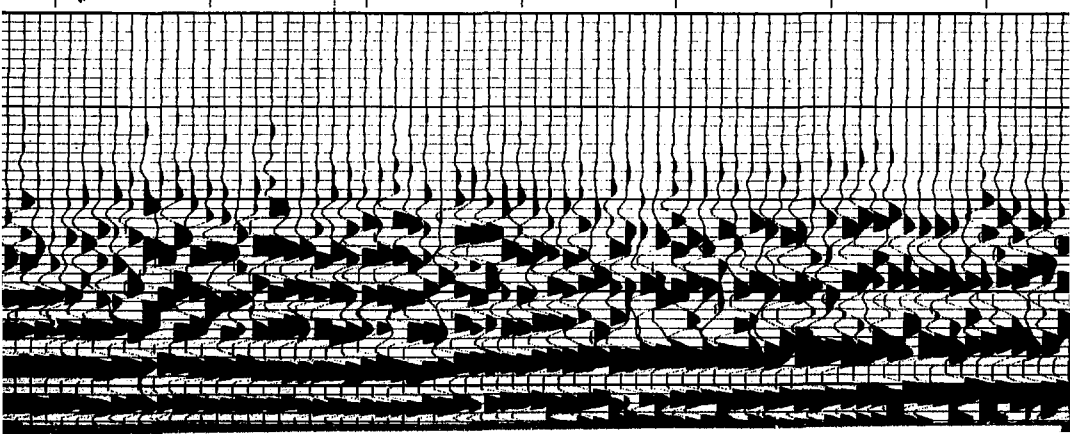


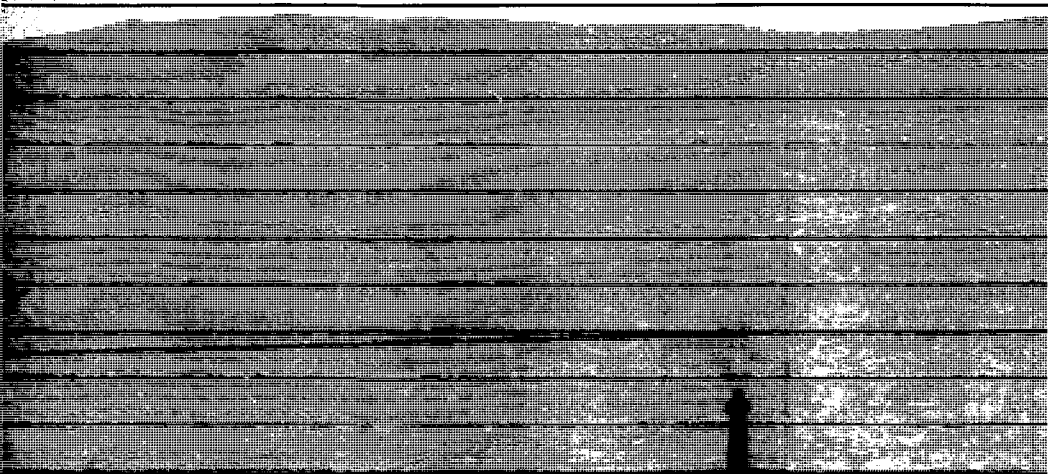
SANDIA CORE HOLE

LINE 1 187

5

70 65 60 55 50 45 40





6



WILLIAMS #1

35

30

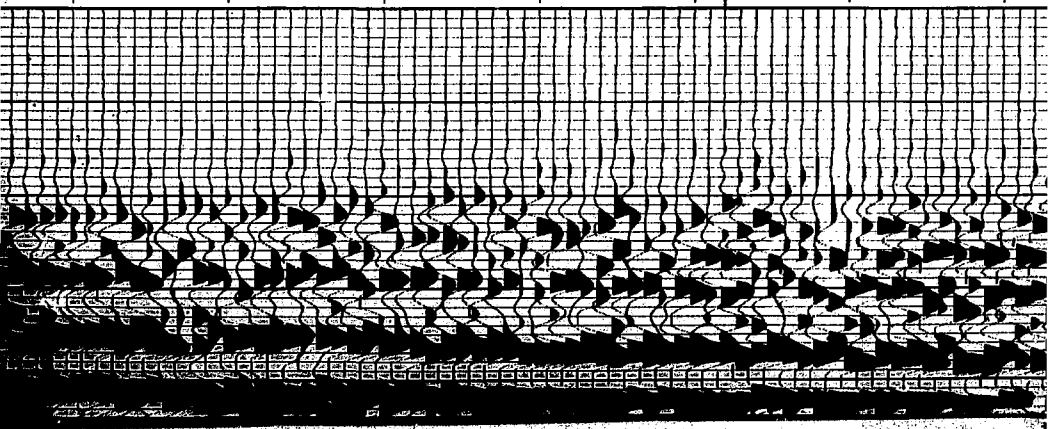
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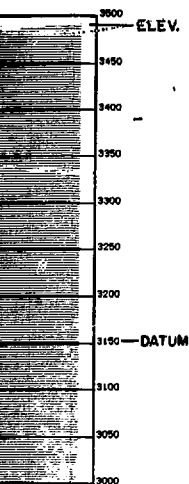
20

15

10

5





# Dresser Olympic



SEISMIC SURVEY  
FOR

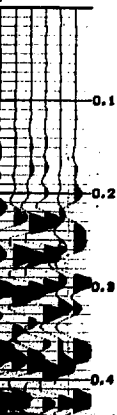
## SANDIA LABS

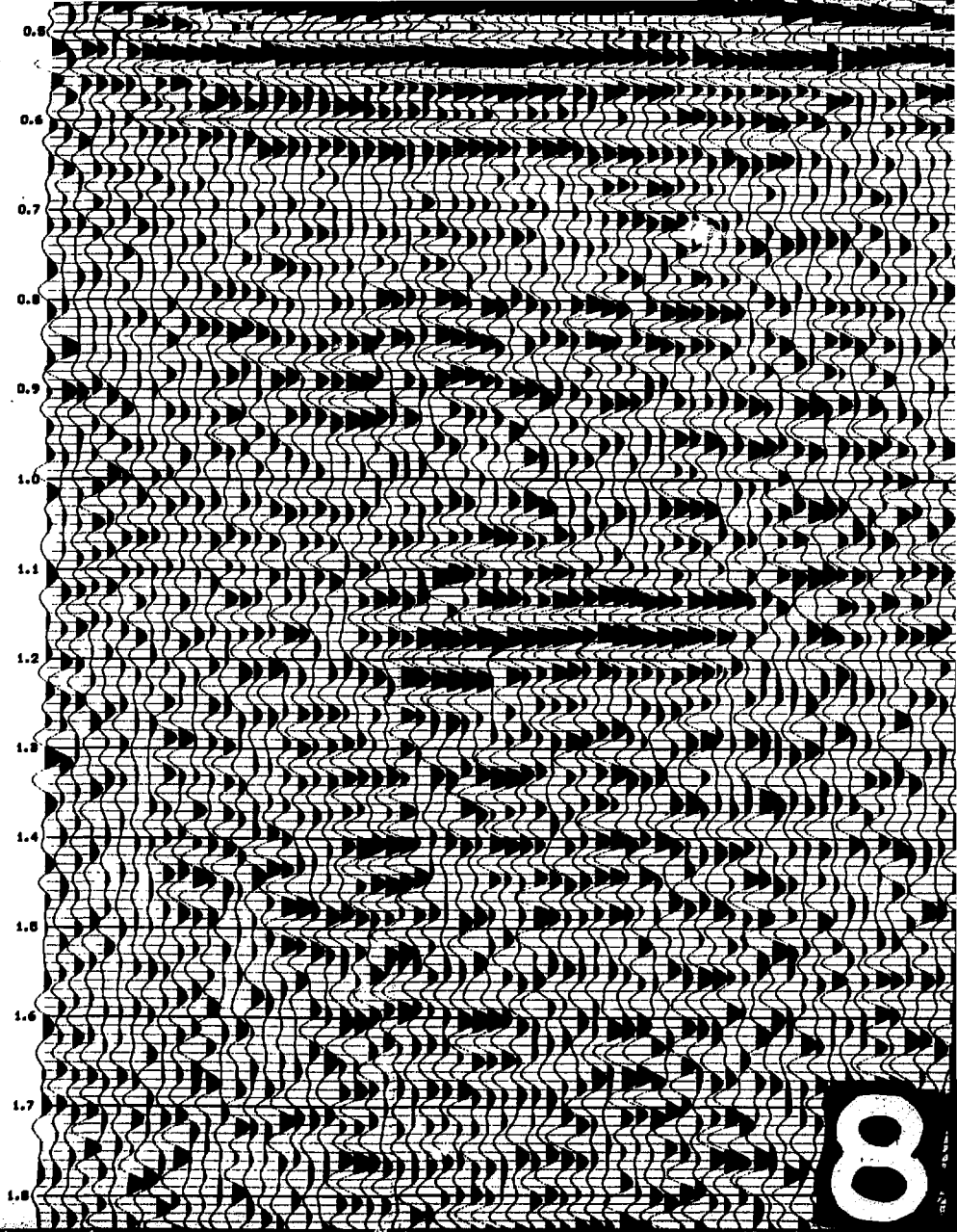
PROJECT LOS MEDANOS LINE 2  
 LOCATION EDDY COUNTY, TEXAS  
 DATE RECORDED 5 - 4 - 76 TO 5 - 11 - 76  
 DATE PROCESSED 5 - 17 - 76

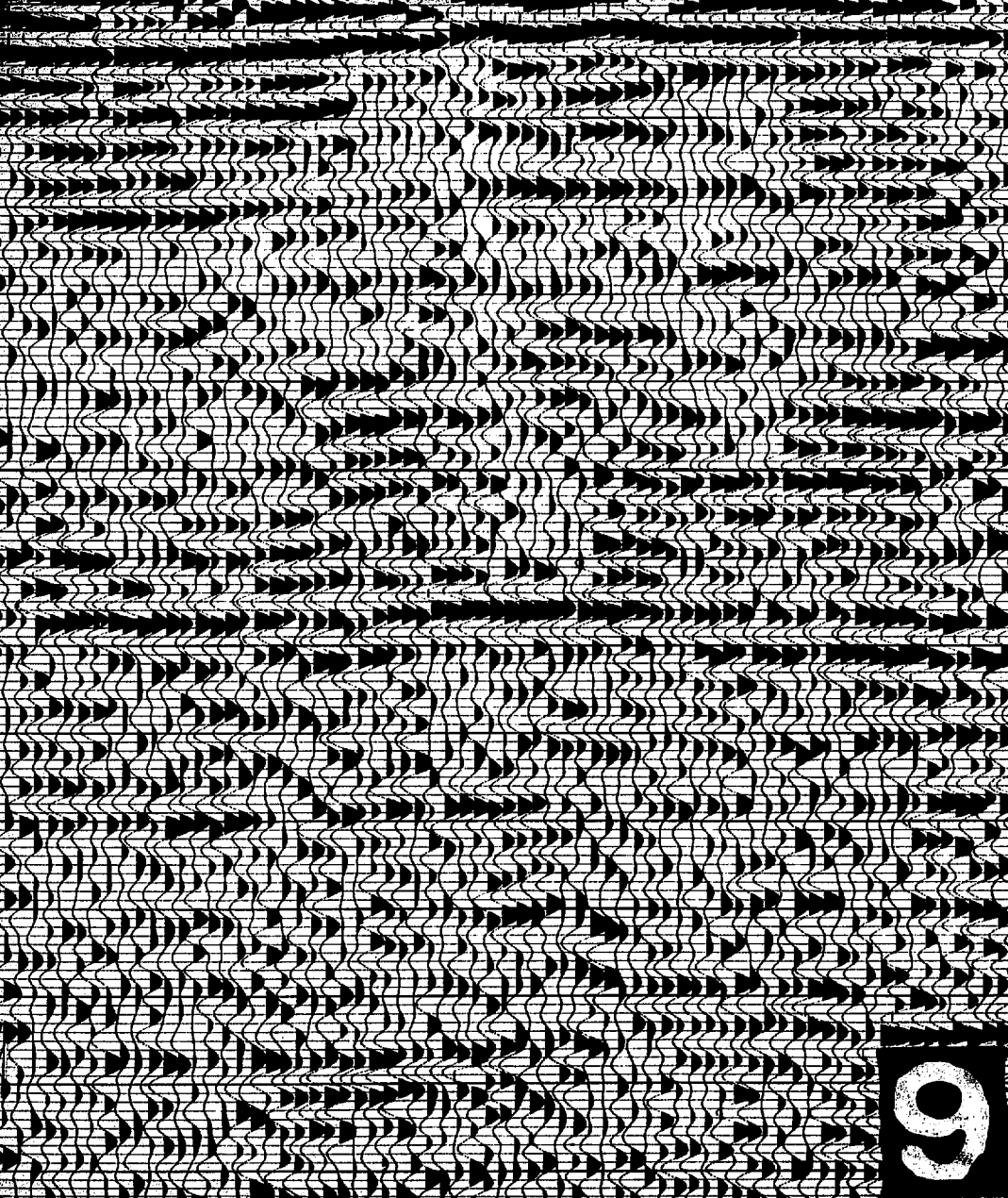
### DATA PROCESSING

- 1 DEMULTIPLEX
- 2 GAIN RECOVERY
- 3 COMMON DEPTH POINT GATHER
- 4 APPLY DATUM STATICS
- 5 DECONVOLUTION  
 Pred. Length AUTO ms. Oper. Length 240 ms.  
 Start Gate For Tr. 800 ms. Near Tr. 300 ms.  
 Gate Length 3000 ms.
- 6 DIGITAL FREQUENCY FILTER 8-38 Hz 0 to 4000 ms.
- 7 VELOCITY ANALYSIS

7



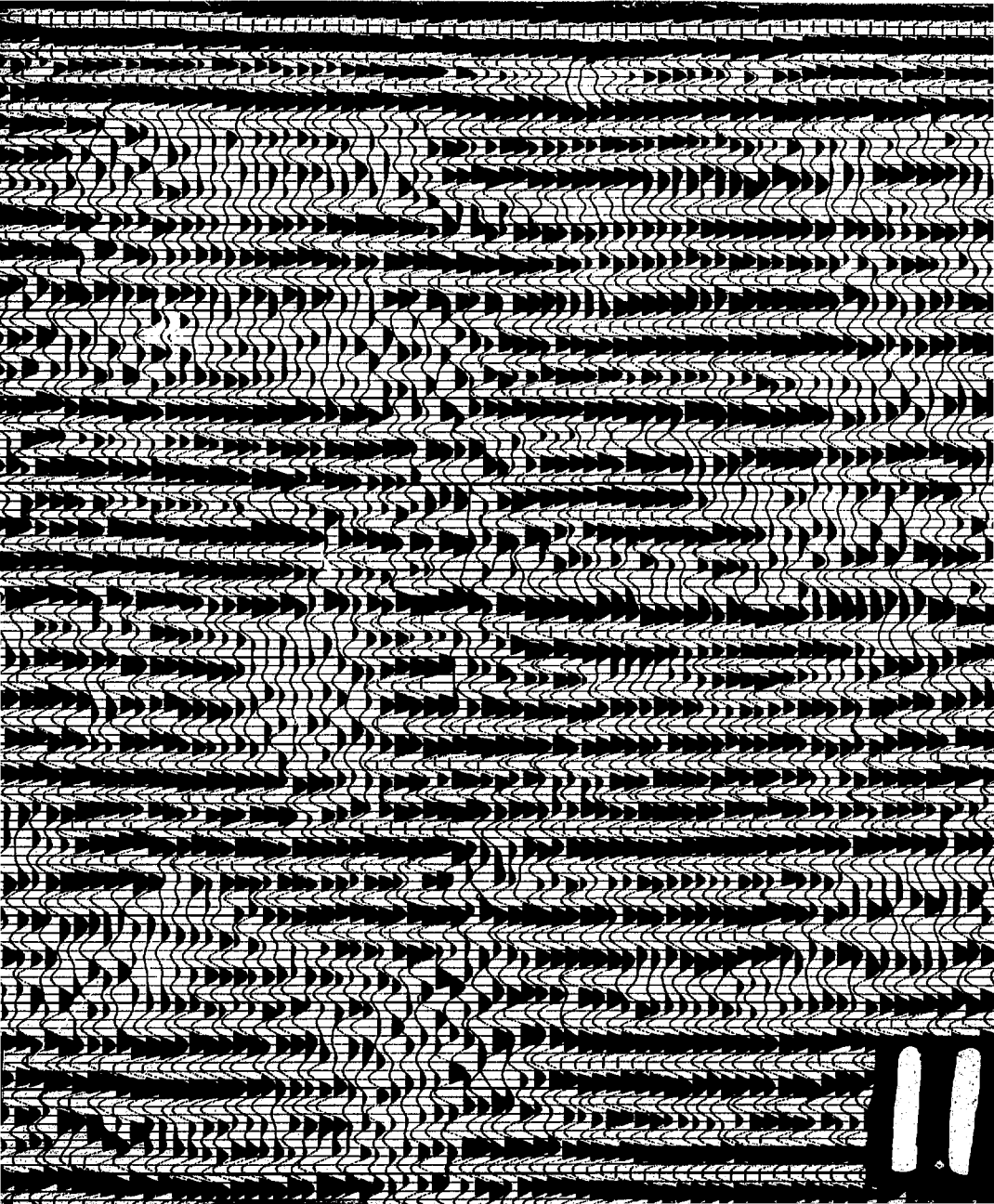


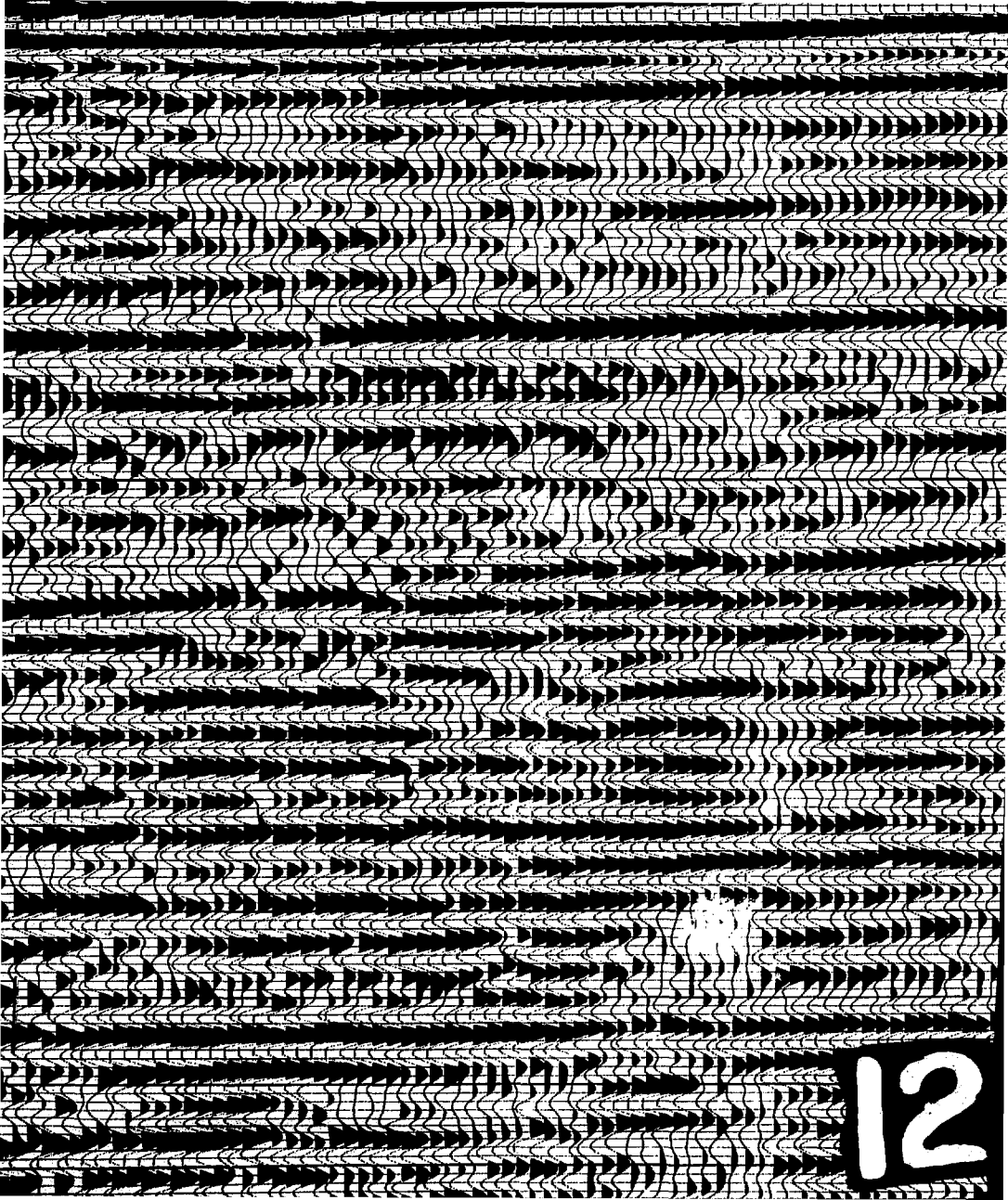


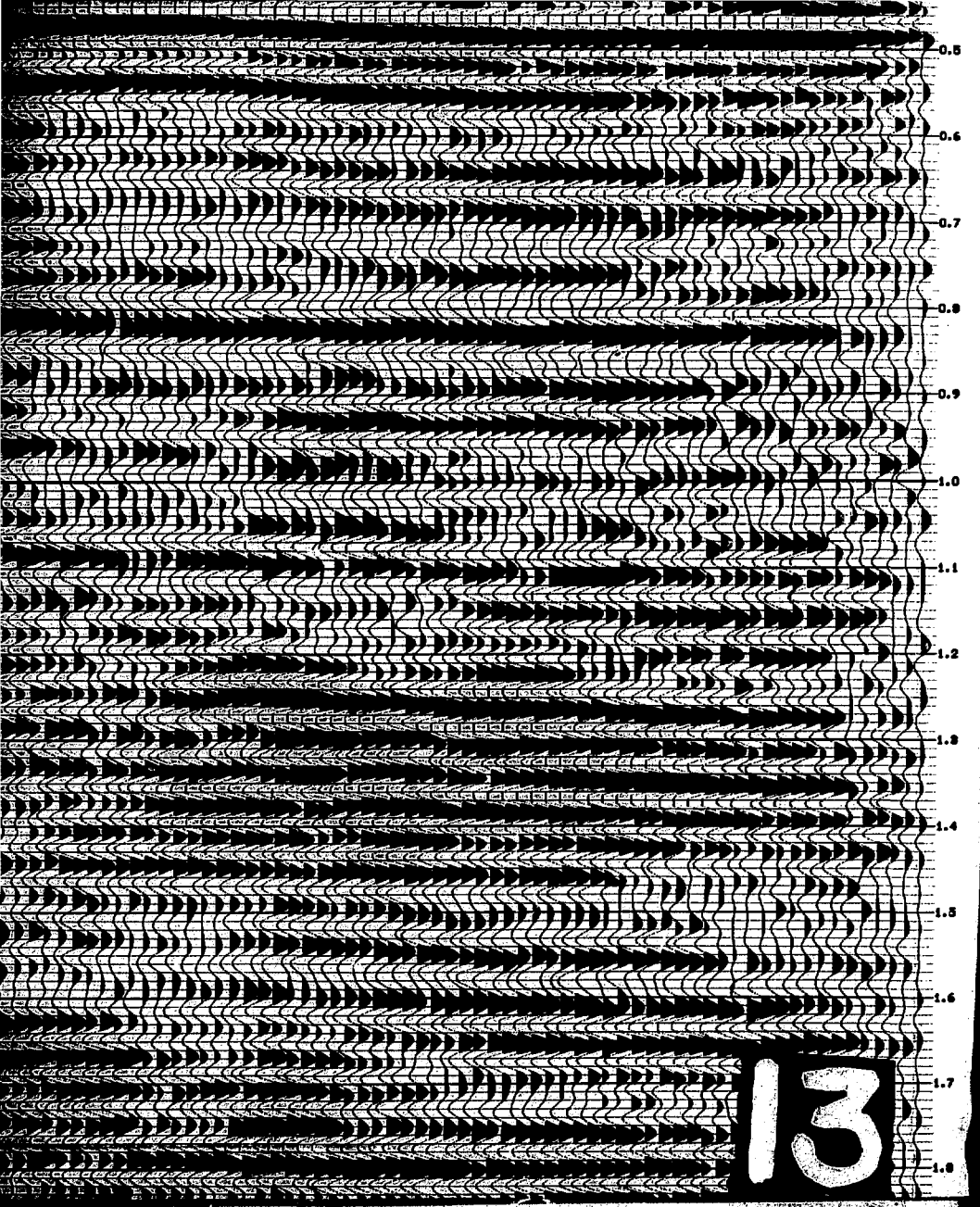


10









8 APPLY NORMAL MOVEOUT

9 MUTE

11 STACK 24 FOLD

\_\_\_ DECONVOLUTION

Pred. Length \_\_\_\_\_ ms. Oper. Length \_\_\_\_\_ ms.

Start Gate \_\_\_\_\_ ms.

Gate Length \_\_\_\_\_ ms.

12 DIGITAL FREQUENCY FILTER

12-38 Hz 0 to 600 ms.

8-30 Hz 600 to 4000 ms.

\_\_\_\_\_ Hz \_\_\_\_\_ to \_\_\_\_\_ ms.

\_\_\_\_\_ Hz \_\_\_\_\_ to \_\_\_\_\_ ms.

10 AUTOMATIC RESIDUAL STATICS

\_\_\_ MIGRATION

\_\_\_ DIGITAL AGC

DATE : 5 - 18 - 76

ANALOG PLAYBACK

FILTER OUT - OUT

MIX NONE

HORIZONTAL SCALE 8 TR/IN VERTICAL SCALE 7.5" / SEC

COMPUTING

DATUM VRH

VELOCITY 8000' / SEC

RECORDING

RECORDED BY DRESSER OLYMPIC

INSTRUMENT TYPE DFS III RECORD FILTER 8-18-62Hz

NOTCH FILTER IN SAMPLE RATE 4 ms RECORD LENGTH 4 sec

ENERGY SOURCE : VIBROSEIS SWEEP FREQUENCY 8-38 Hz

NO./SWEEPS PER LOCATION 16 LOCATION INTERVAL 220'

MODEL & TYPE GEOPHONES WHS FREQ. 8 Hz NO./GROUP 48

TYPE COVERAGE 2400% SPREAD LENGTH 11880'

NO. TRACES 48' OFFSET 880' GROUP INTERVAL 220'

SPREAD DIAGRAM

V.P.

-----24

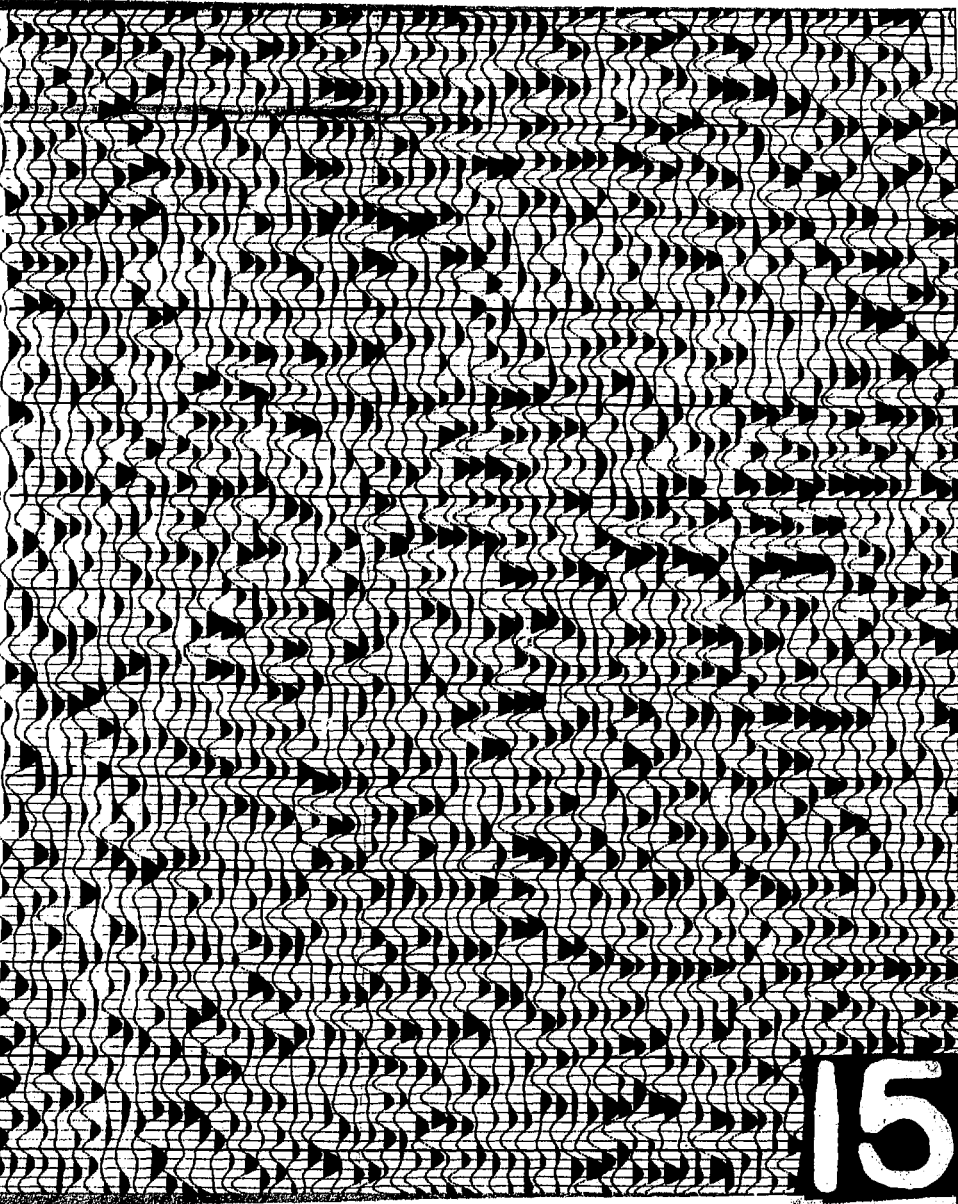


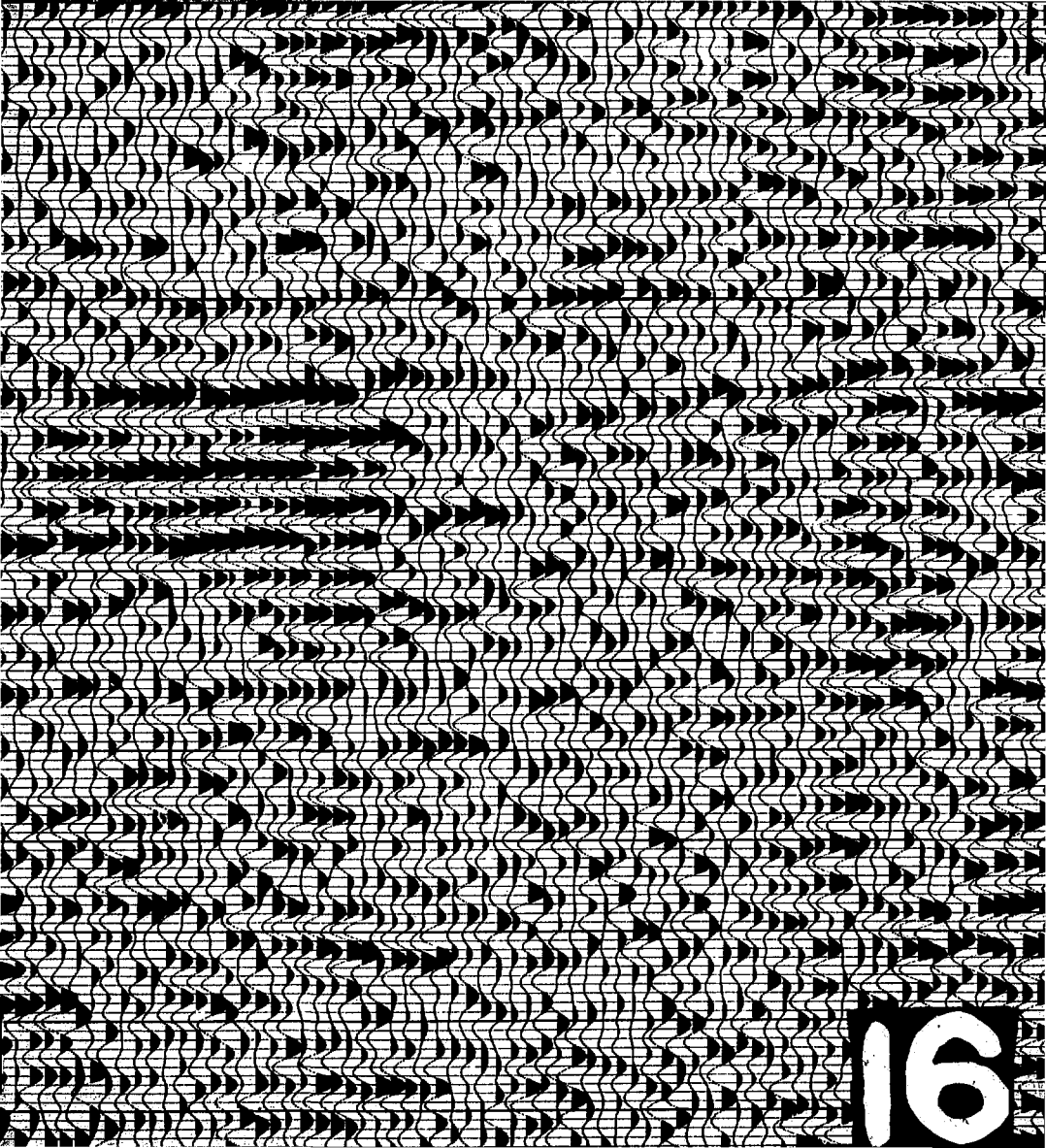
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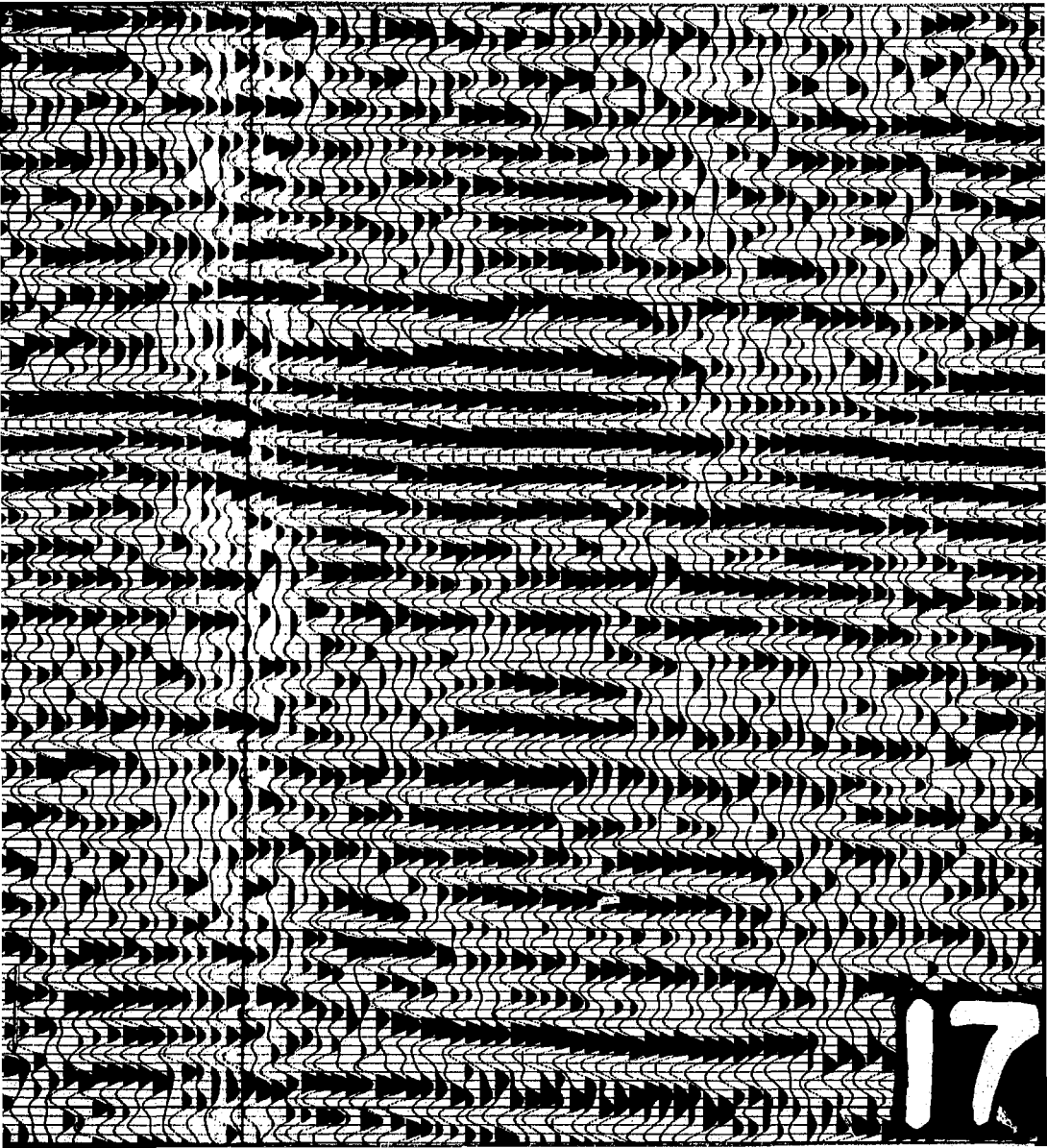
14

1.7  
1.8  
1.9  
2.0  
2.1  
2.2  
2.3  
2.4  
2.5  
2.6  
2.6  
2.7  
2.8  
2.9

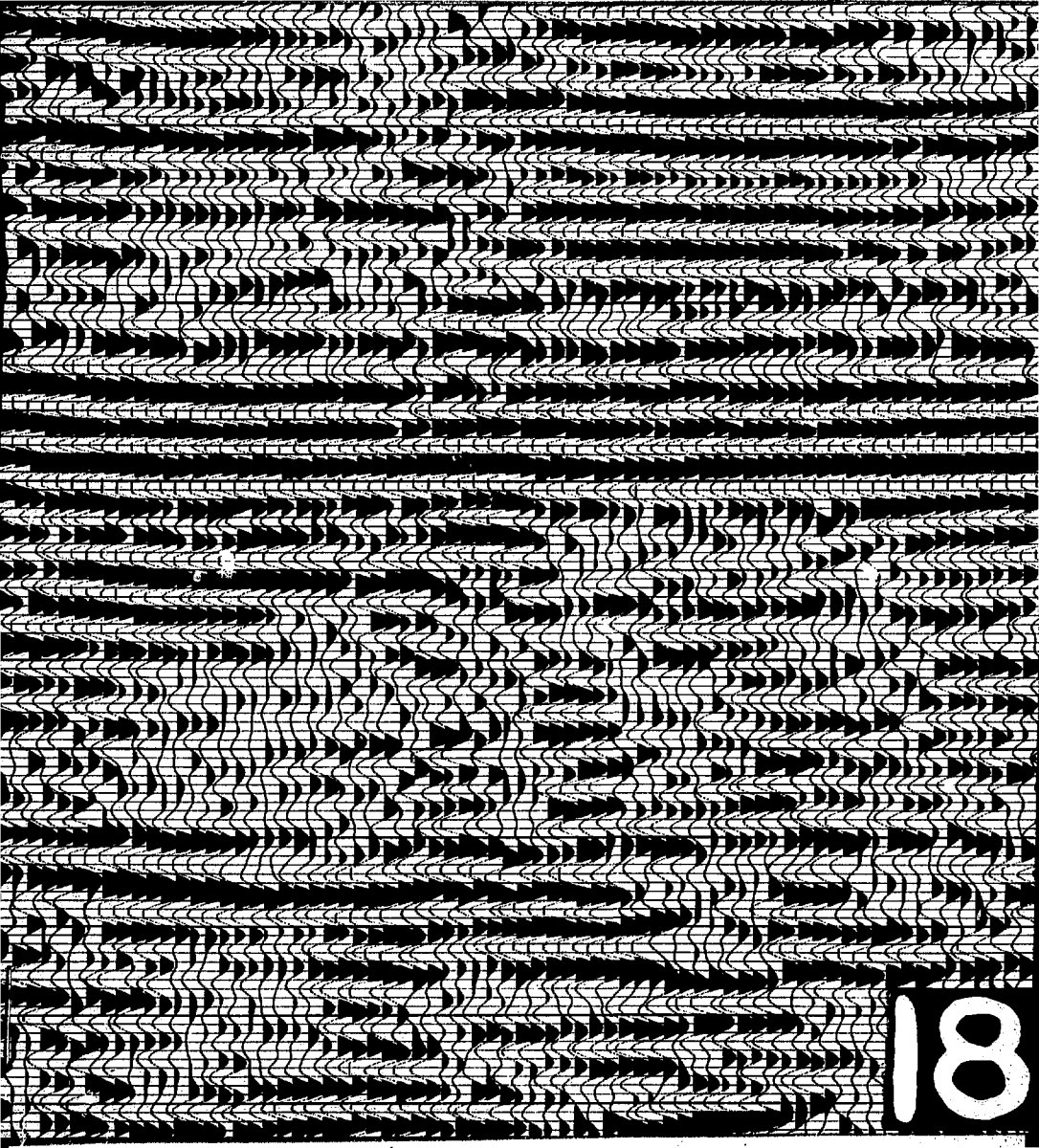
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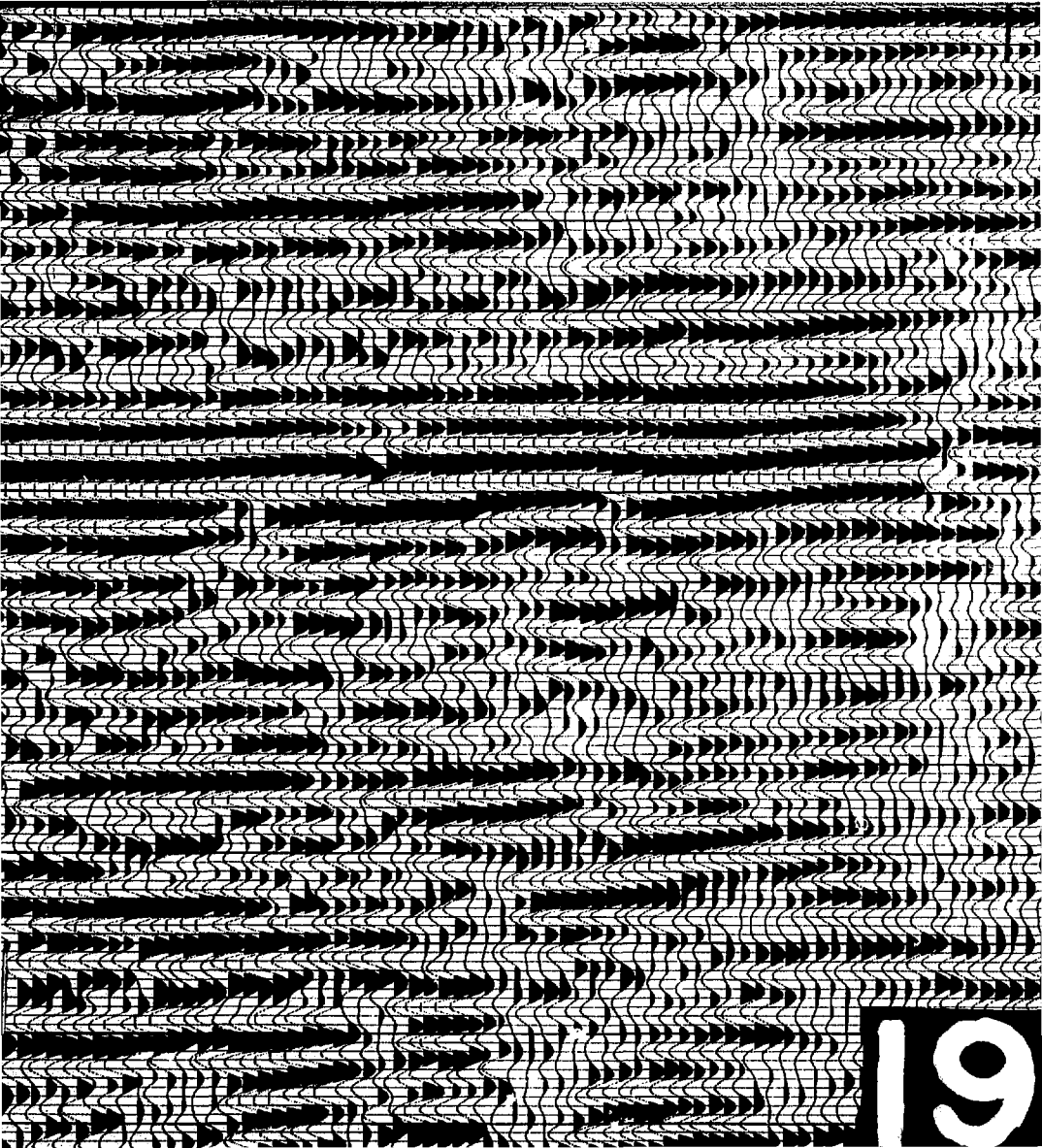


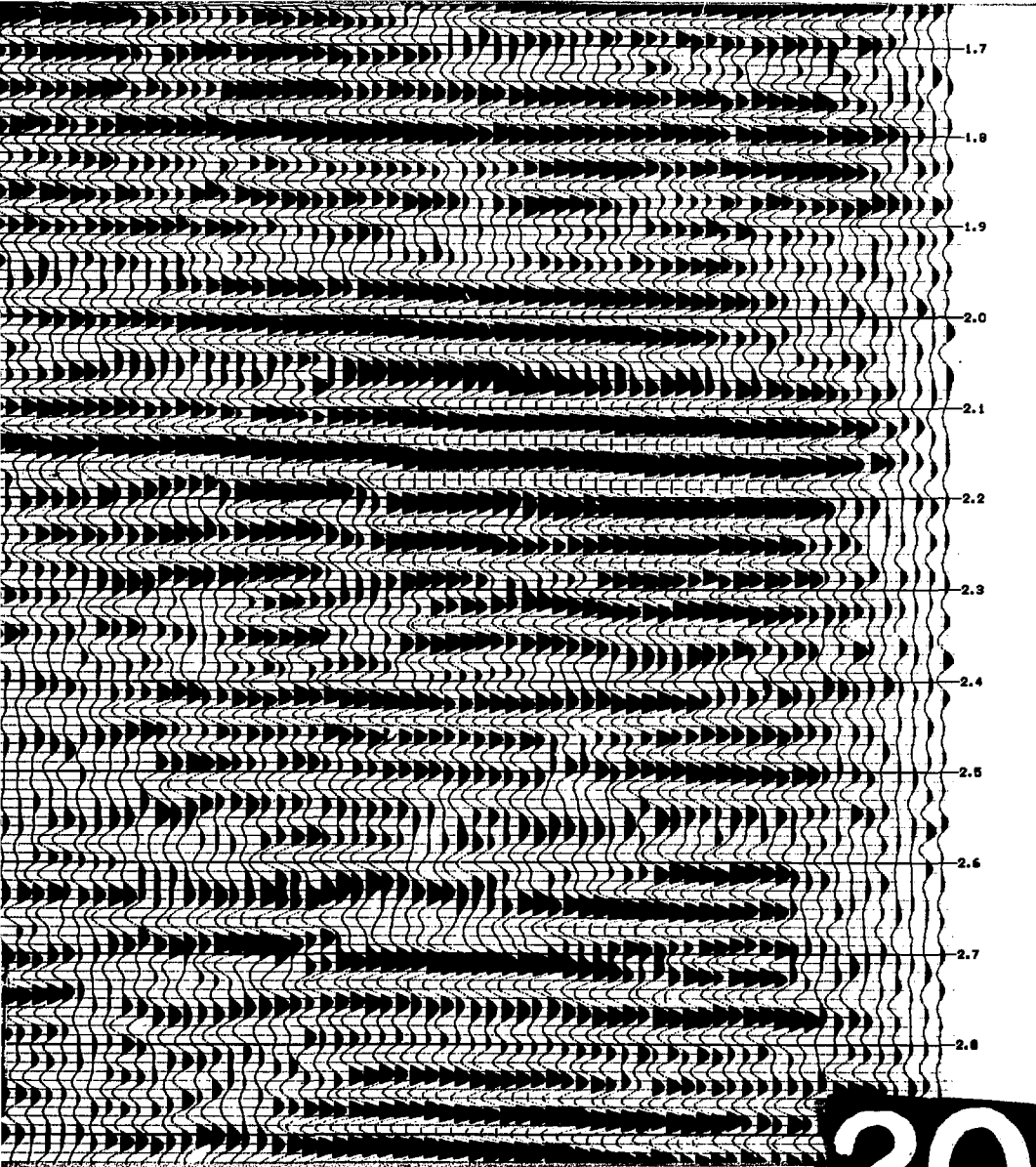


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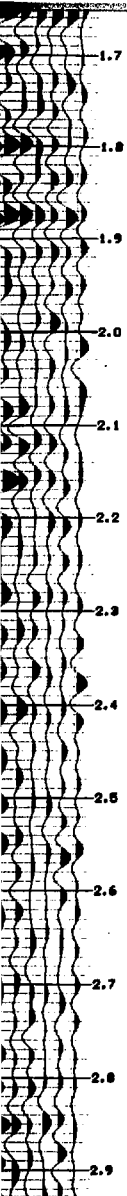








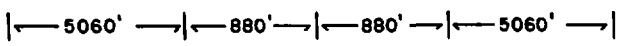
20



NO. TRACES 48 OFFSET 880 GROUP INTERVAL 220

SPREAD DIAGRAM

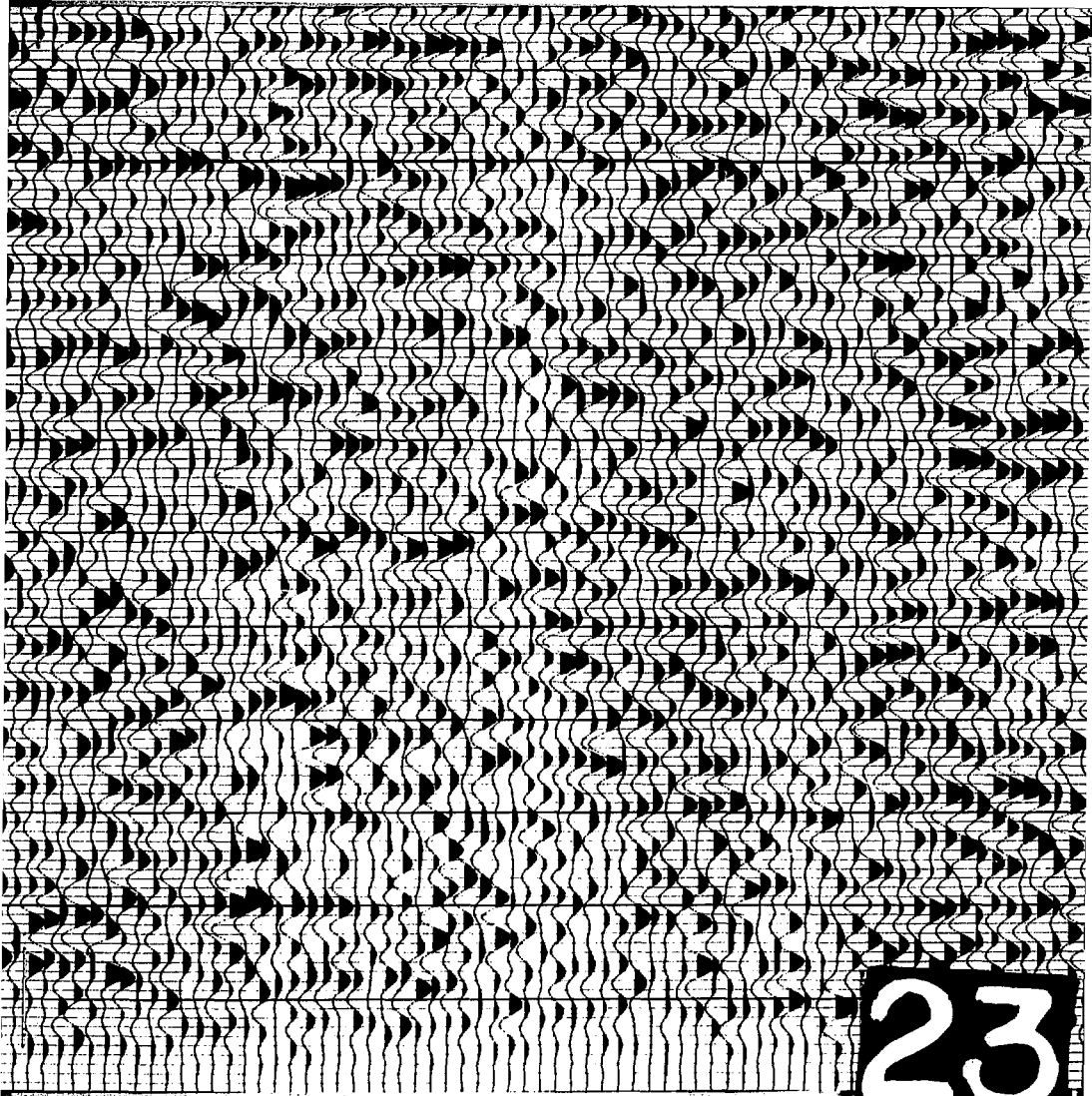
V.P.



21

2.9  
3.0  
3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9

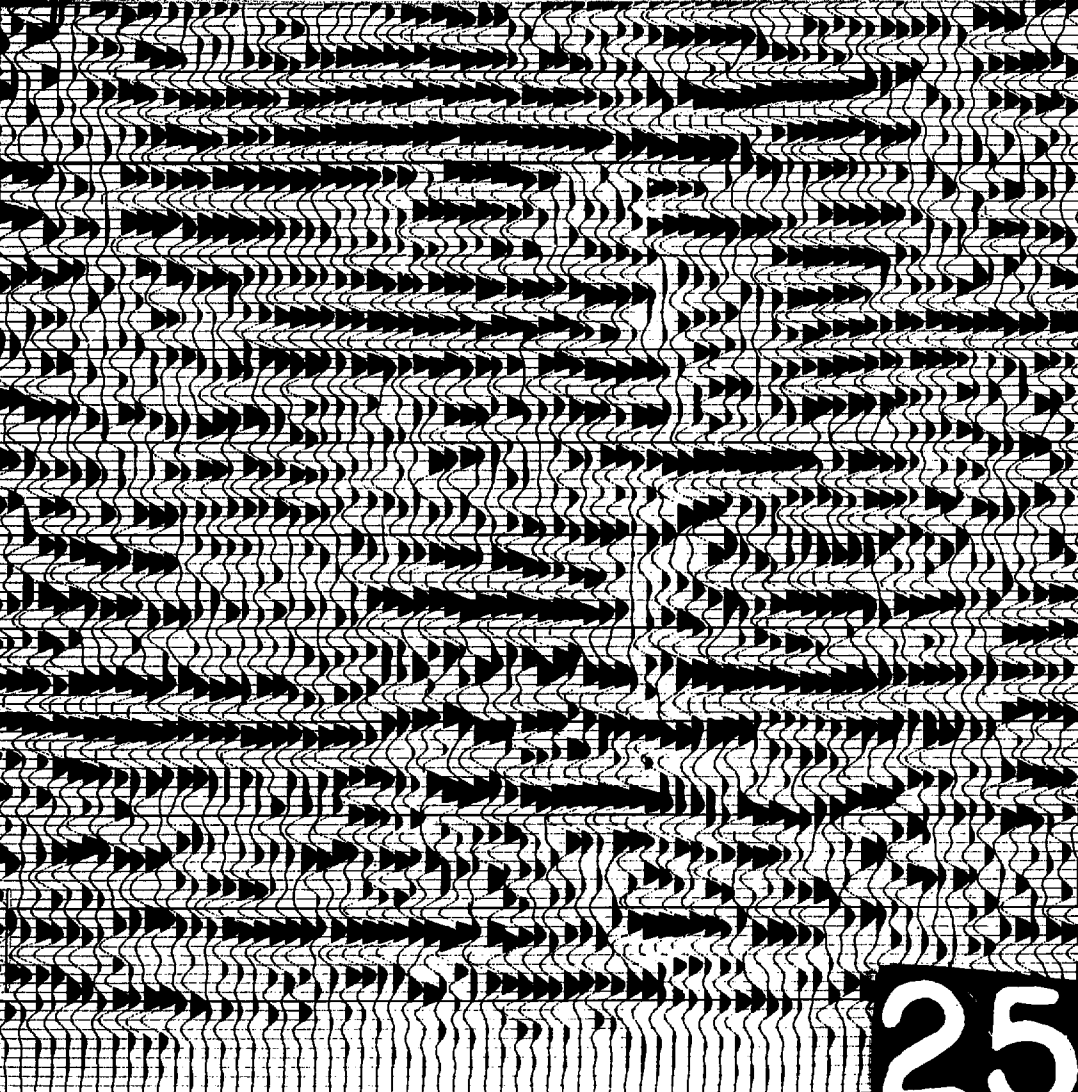
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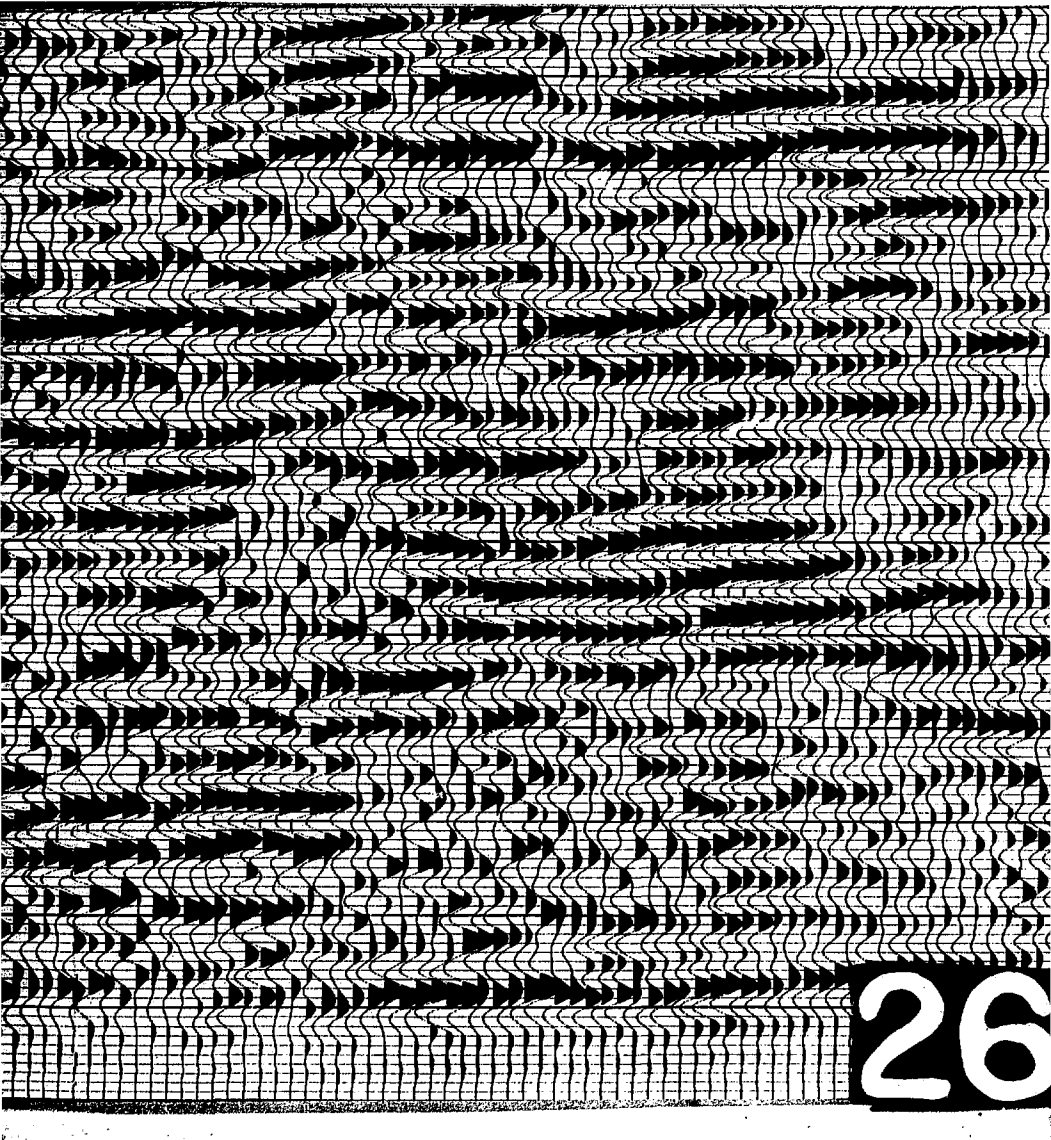
23



24

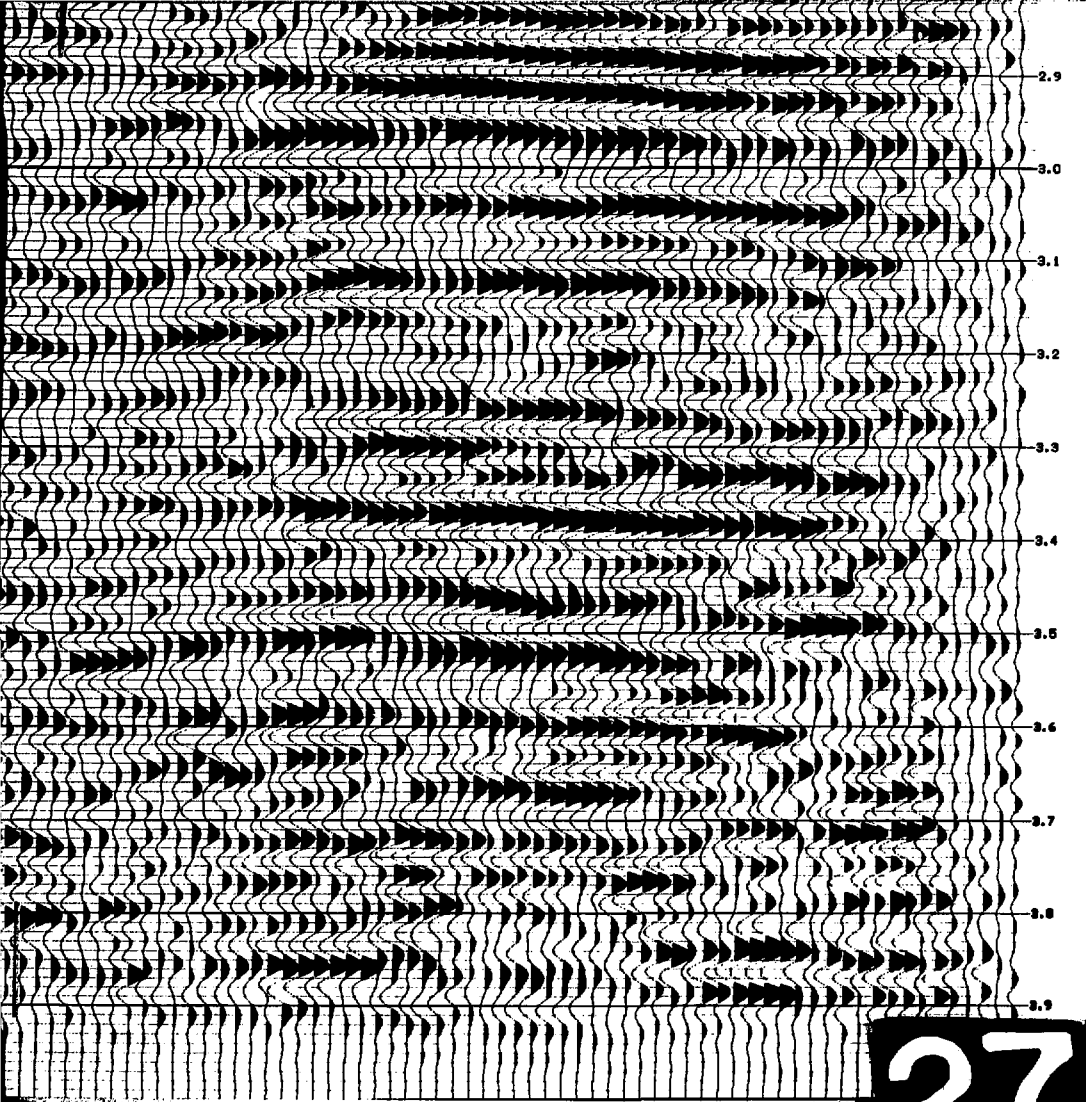


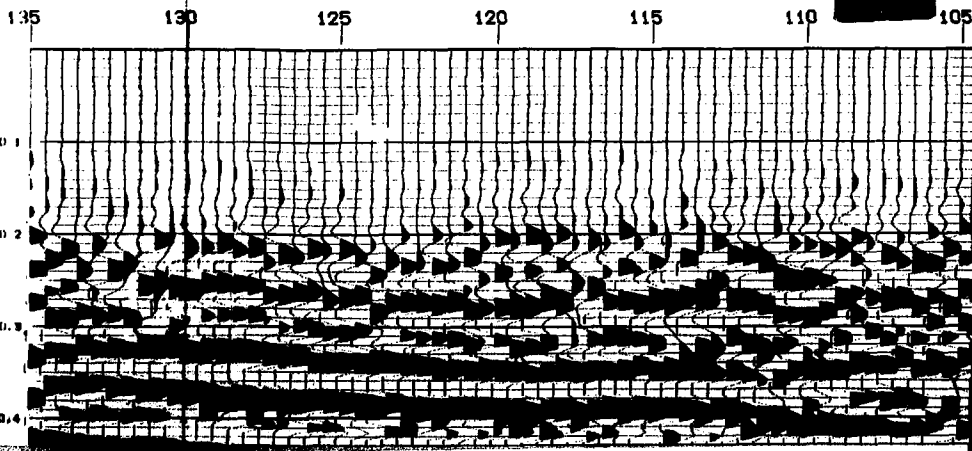
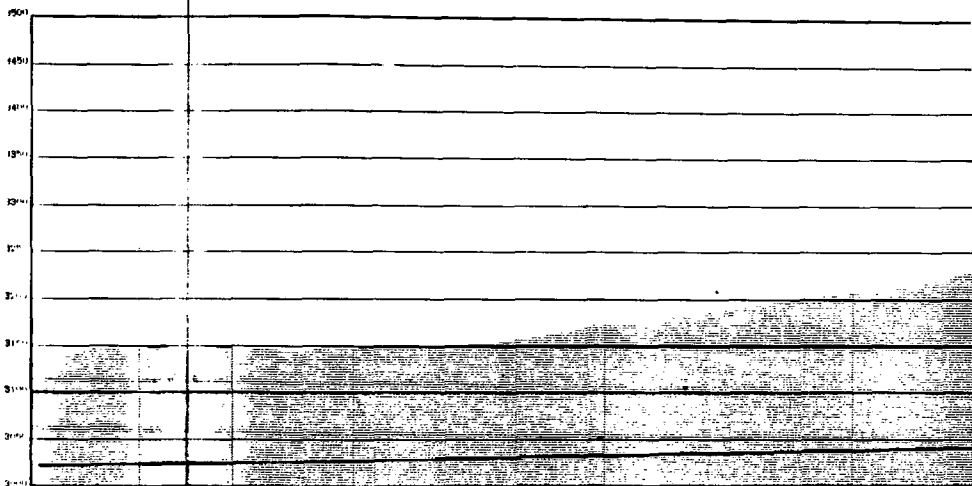
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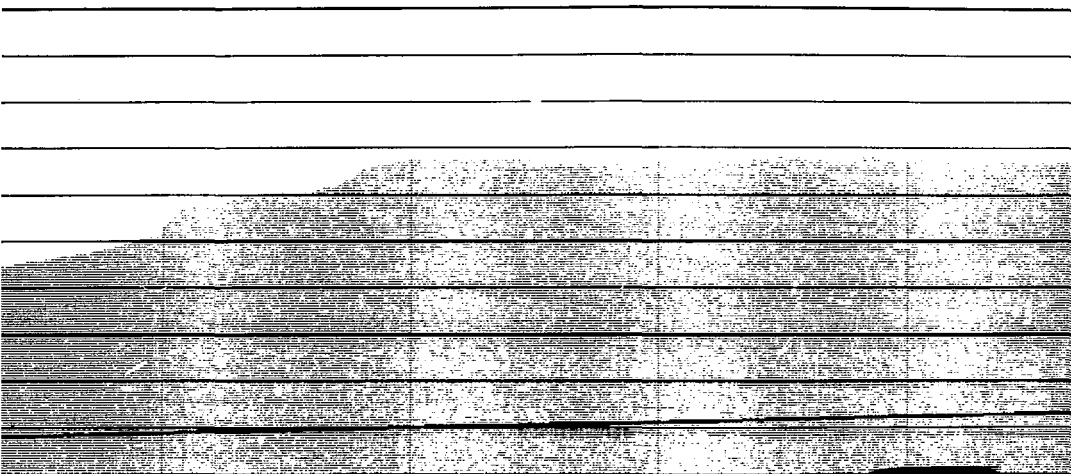


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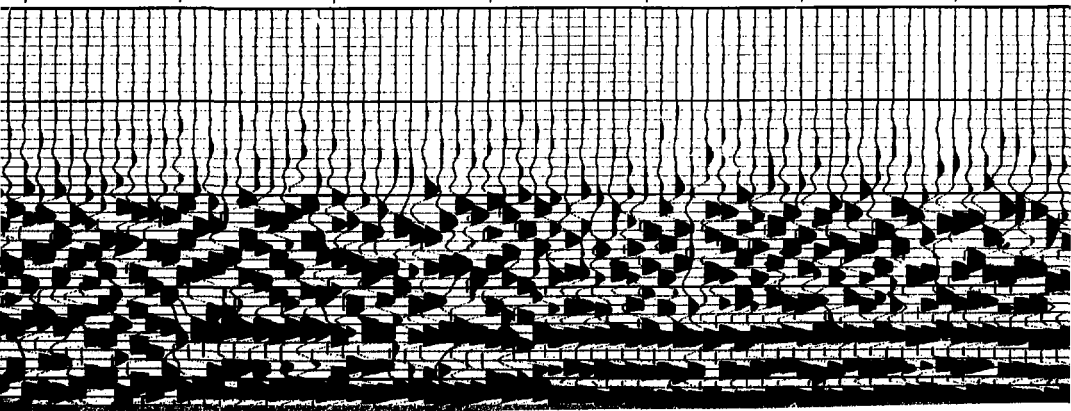


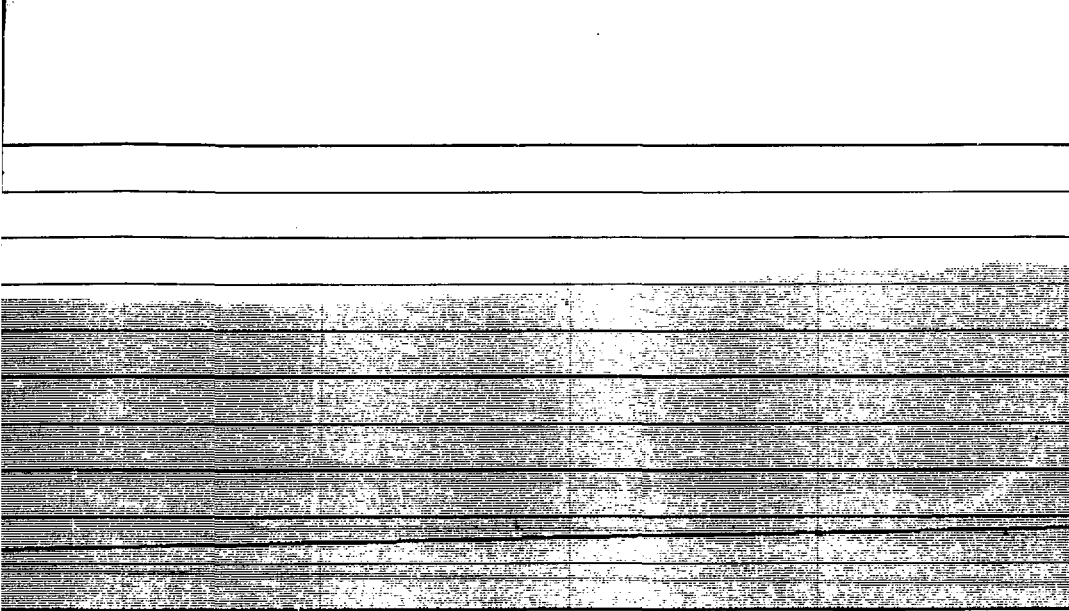




2

105 100 95 90 85 80 75





3

LINE 1 109

70

65

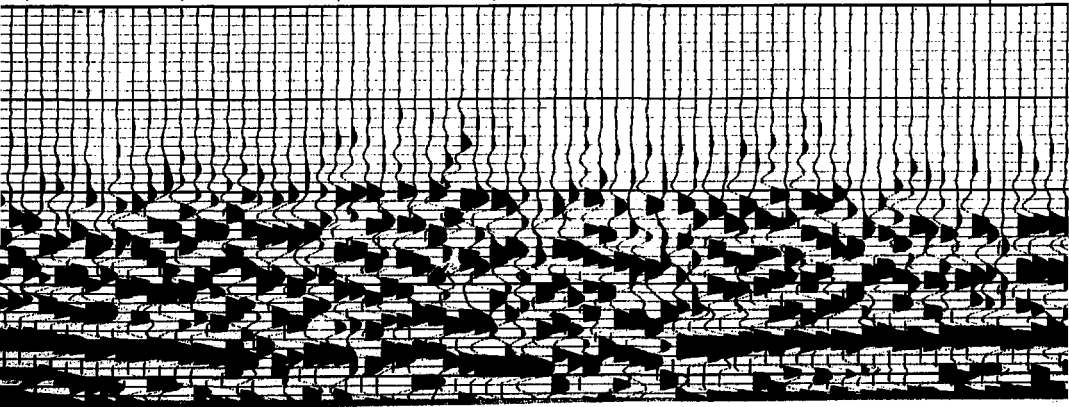
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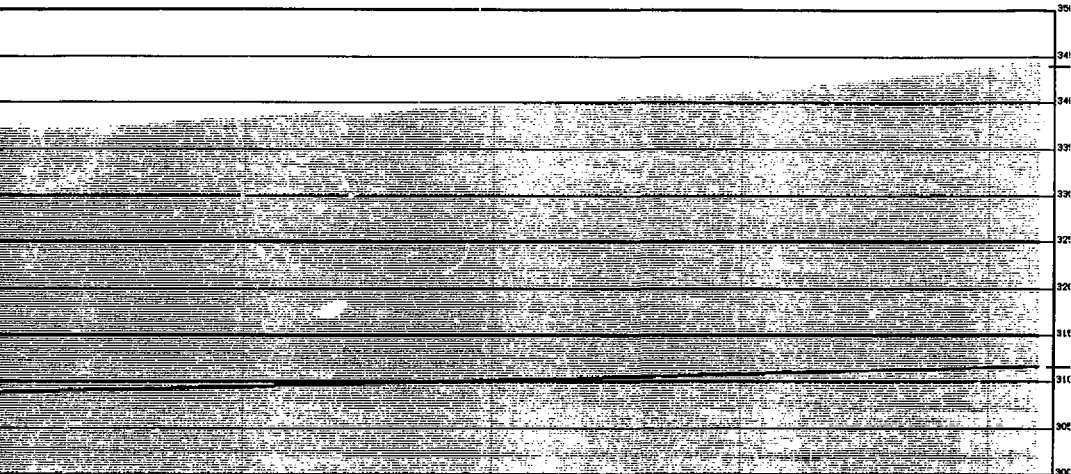
55

50

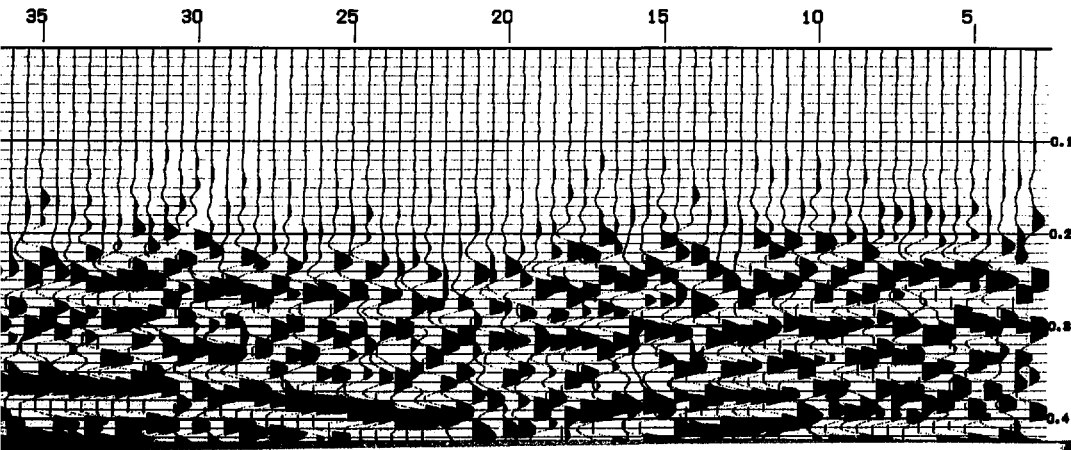
45

40





4



E

# Dresser Olympic

SEISMIC SURVEY  
FOR

## SANDIA LABS

PROJECT LOS MEDANOS LINE 3  
LOCATION EDDY COUNTY, TEXAS  
DATE RECORDED 5 - 11 - 76 TO 5 - 14 - 76  
DATE PROCESSED 5 - 17 - 76

### DATA PROCESSING

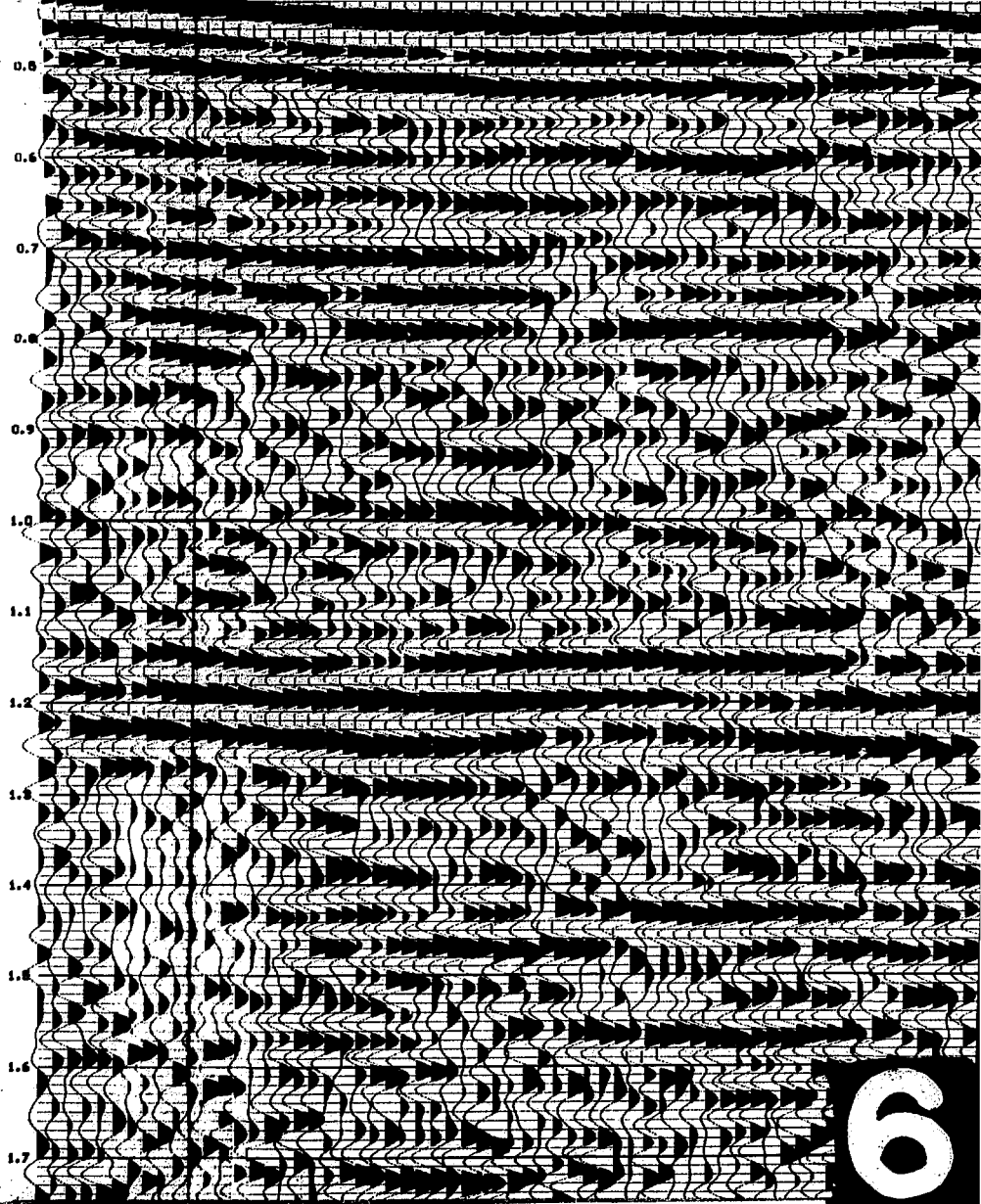
- 1 DEMULTIPLEX
- 2 GAIN RECOVERY
- 3 COMMON DEPTH POINT GATHER
- 4 APPLY DATUM STATICS
- 5 DECONVOLUTION

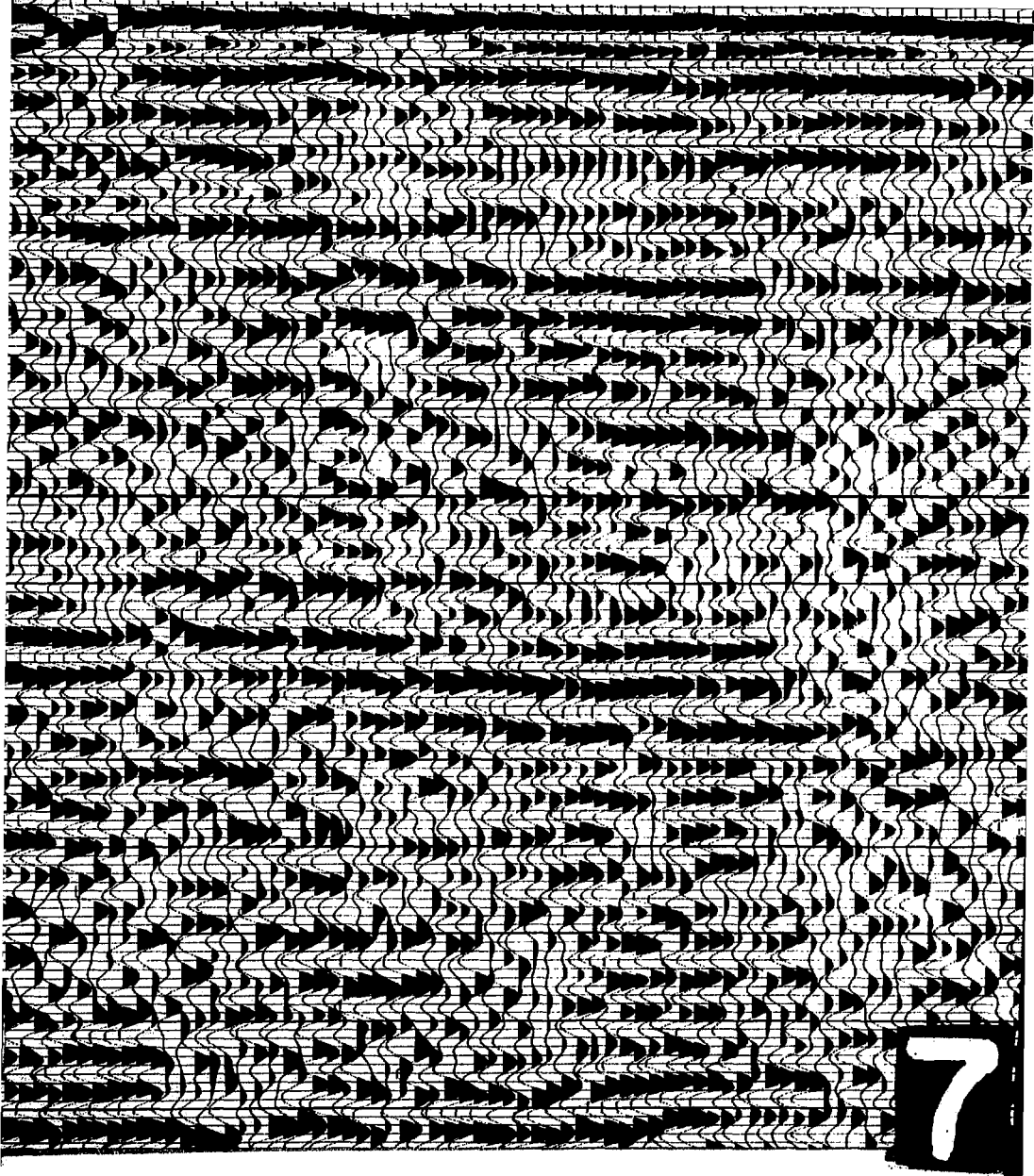
Pred. Length AUTO ms. Oper. Length 240 ms.  
Start Gate For Tr. 800 ms. Near Tr. 300 ms.  
Gate Length 3000 ms.

- 6 DIGITAL FREQUENCY FILTER 8 - 38 Hz 0 to 4000 ms.

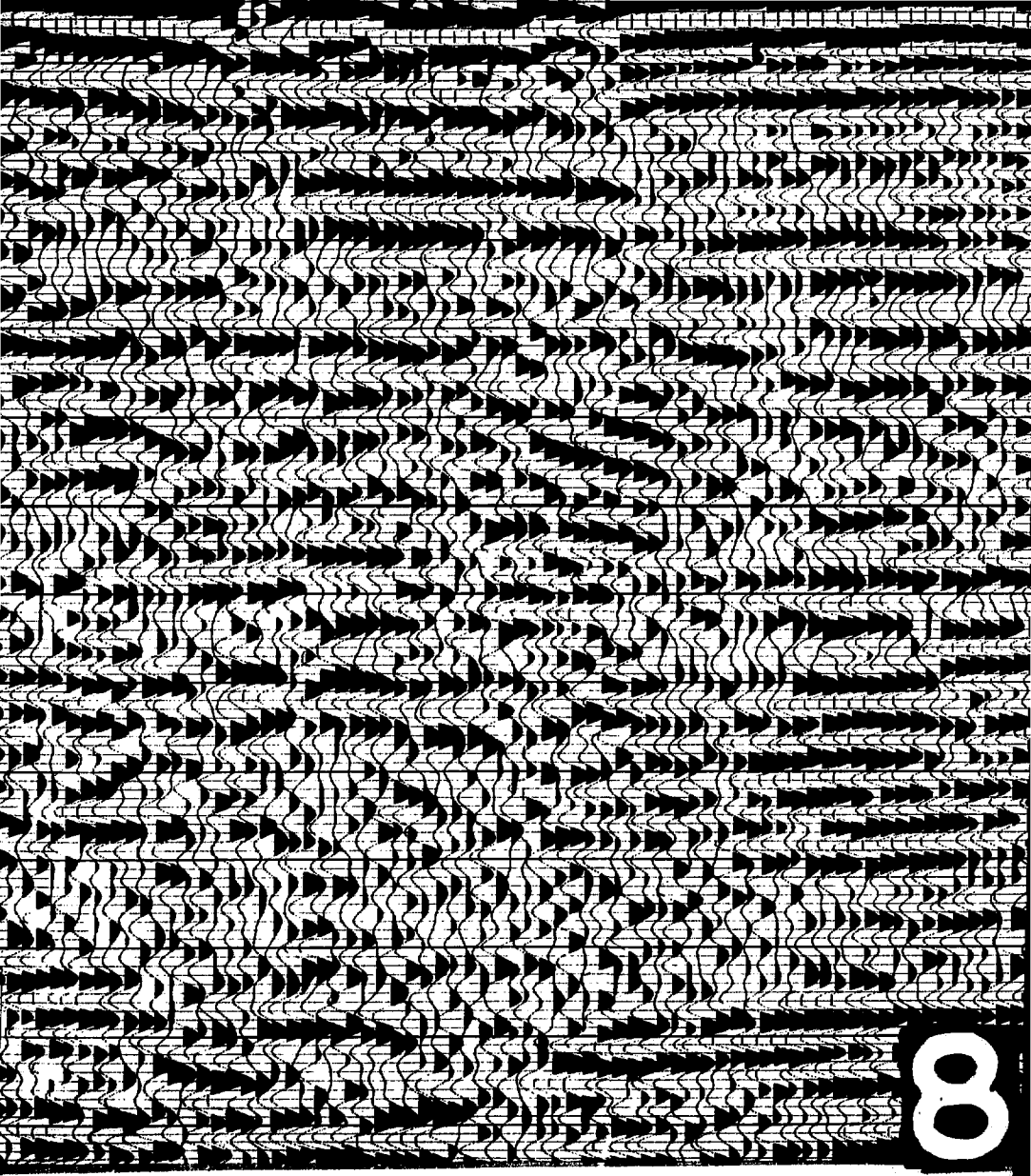
7 VELOCITY ANALYSIS

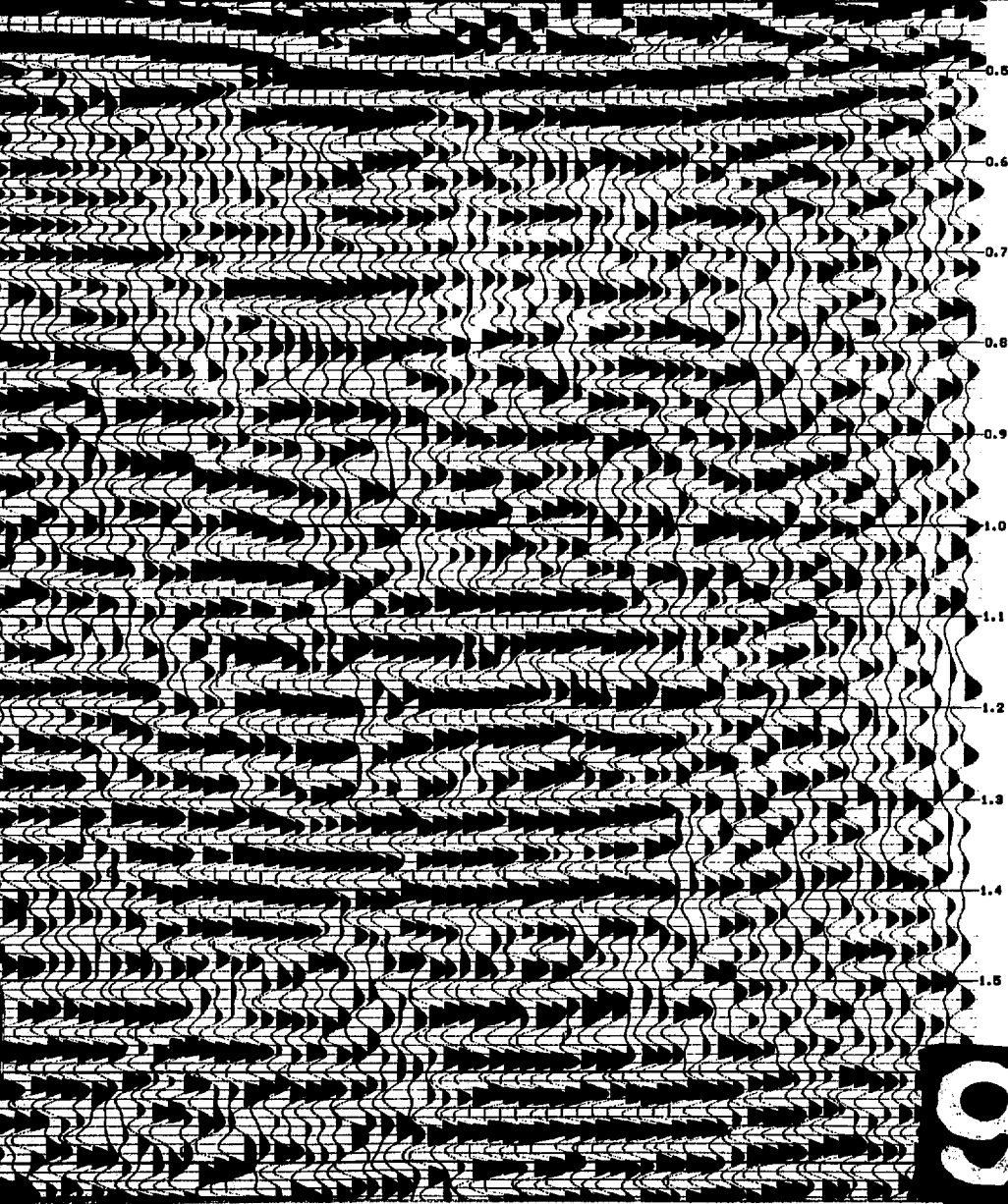
5











8 APPLY NORMAL MOVEOUT9 MUTE11 STACK 24 FOLD

\_\_\_ DECONVOLUTION

Pred. Length \_\_\_\_\_ ms. Oper. Length \_\_\_\_\_ ms.

Start Gate \_\_\_\_\_ ms.

Gate Length \_\_\_\_\_ ms.

12 DIGITAL FREQUENCY FILTER12 - 38 Hz 0 to 600 ms.8 - 30 Hz 600 to 4000 ms.

\_\_\_\_\_ Hz \_\_\_\_\_ to \_\_\_\_\_ ms.

\_\_\_\_\_ Hz \_\_\_\_\_ to \_\_\_\_\_ ms.

10 AUTOMATIC RESIDUAL STATICS

\_\_\_ MIGRATION

\_\_\_ DIGITAL AGC

DATE : 5 - 18 - 76

10

## ANALOG PLAYBACK

FILTER OUT - OUT MIX NONEHORIZONTAL SCALE 8 TR/IN VERTICAL SCALE 7.5"/SEC

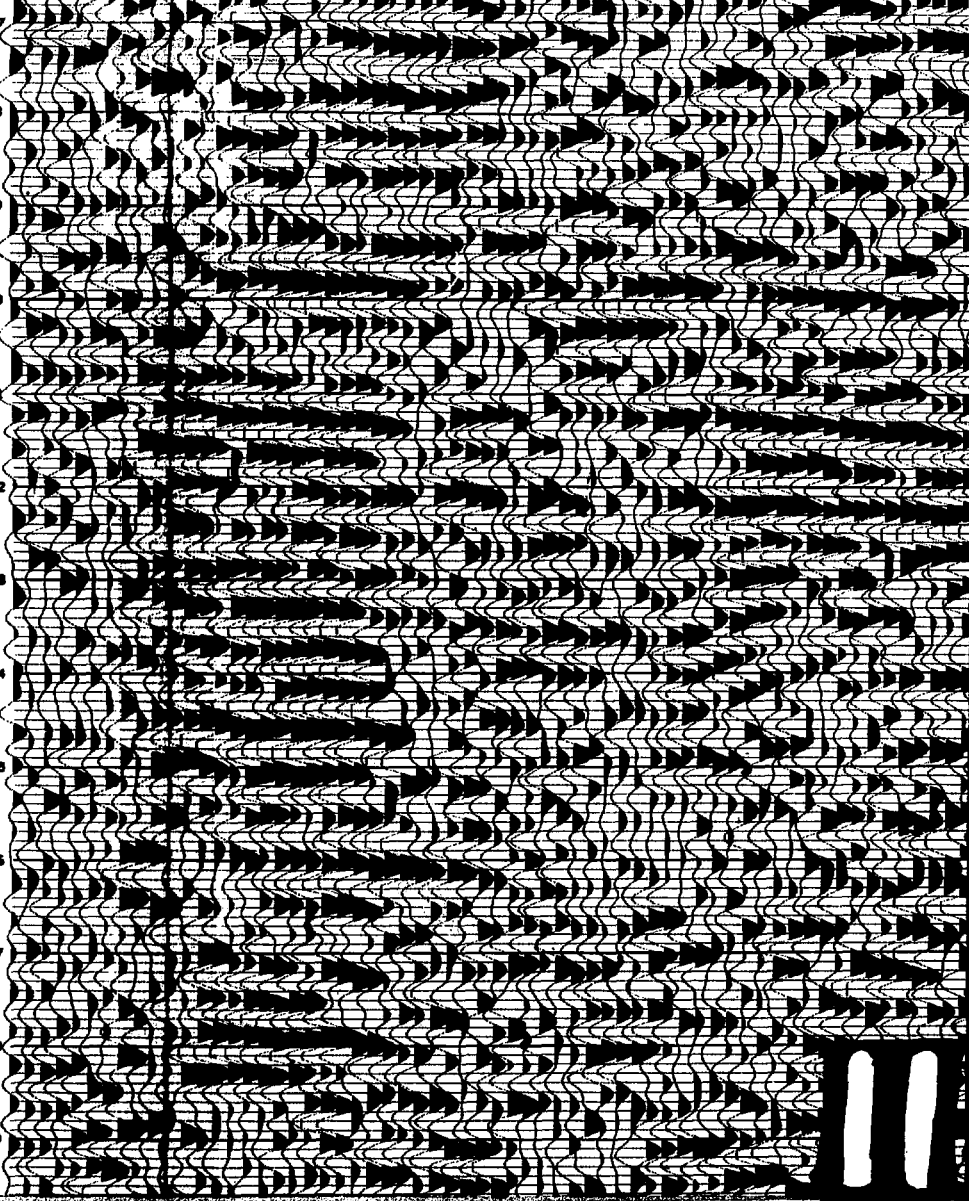
## COMPUTING

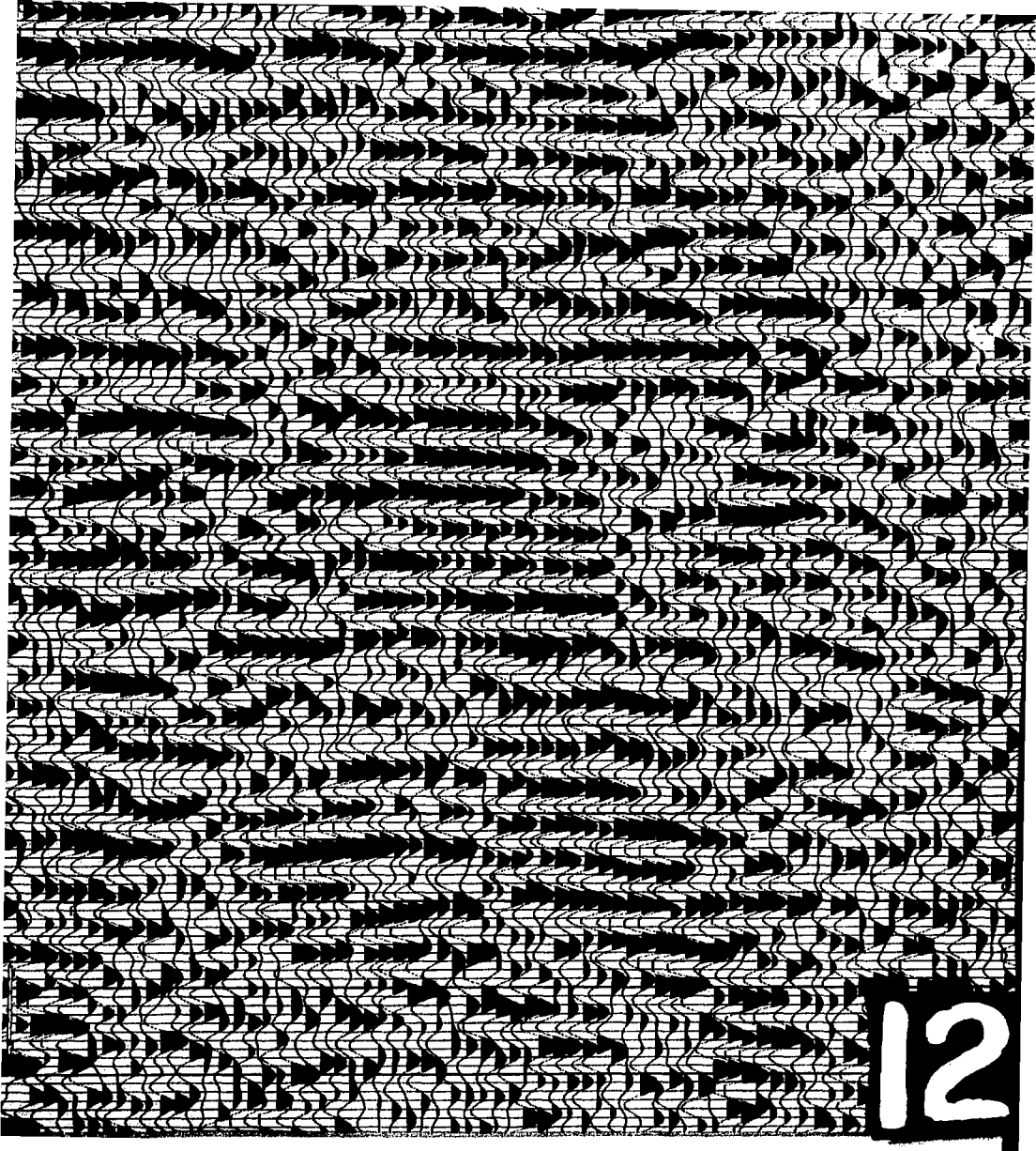
DATUM VRH VELOCITY 8000'/SEC

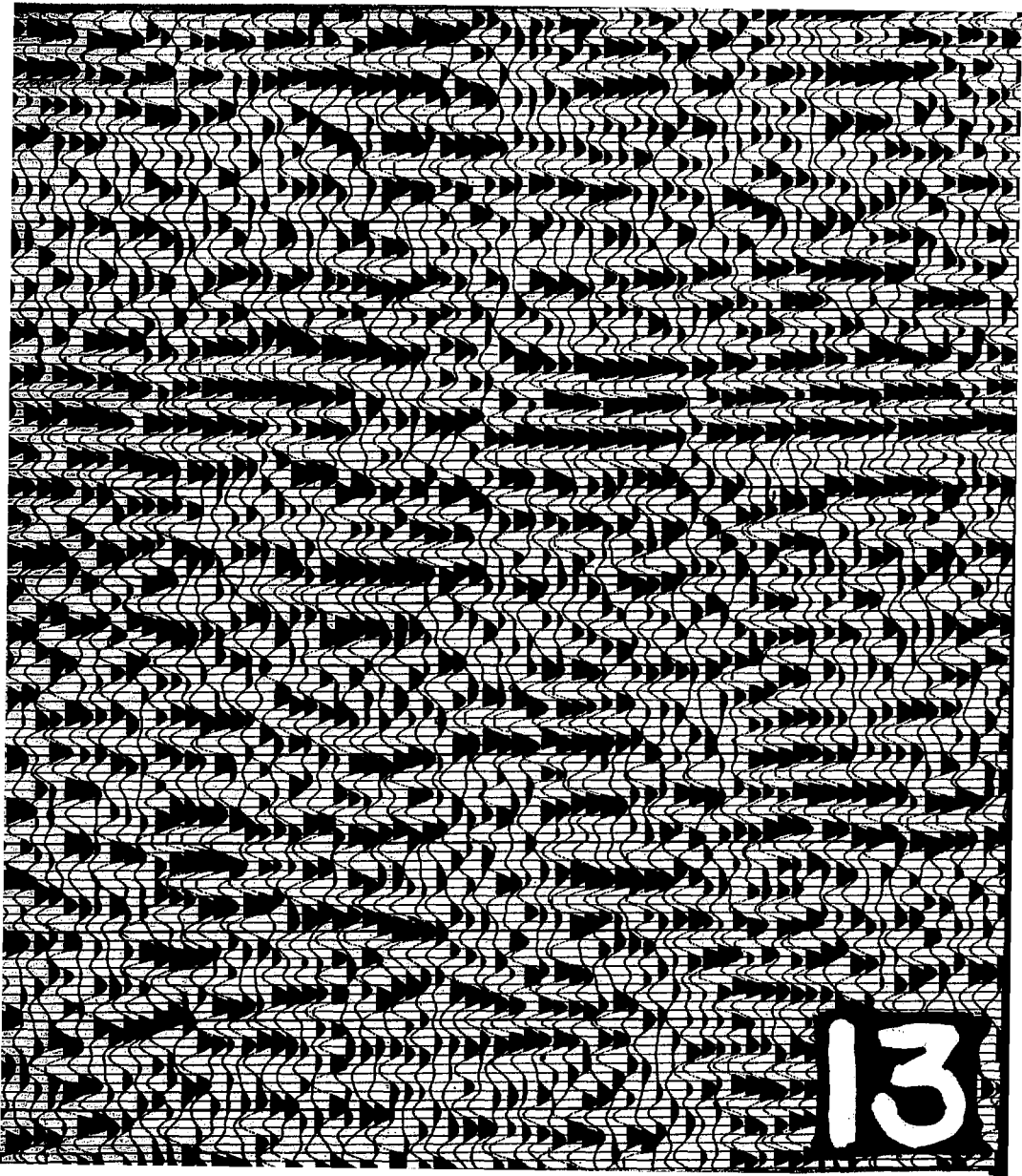
## RECORDING

RECORDED BY DRESSER OLYMPICINSTRUMENT TYPE DFS III RECORD FILTER 8-18-62HzNOTCH FILTER IN SAMPLE RATE 4 ms RECORD LENGTH 4 secENERGY SOURCE : VIBROSEIS SWEEP FREQUENCY 8-38 HzNO./SWEEPS PER LOCATION 16 LOCATION INTERVAL 220'MODEL & TYPE GEOPHONES WHS FREQ. 8 Hz NO./GROUP 48TYPE COVERAGE 2400 % SPREAD LENGTH 11880'NO. TRACES 48 OFFSET 880' GROUP INTERVAL 220'

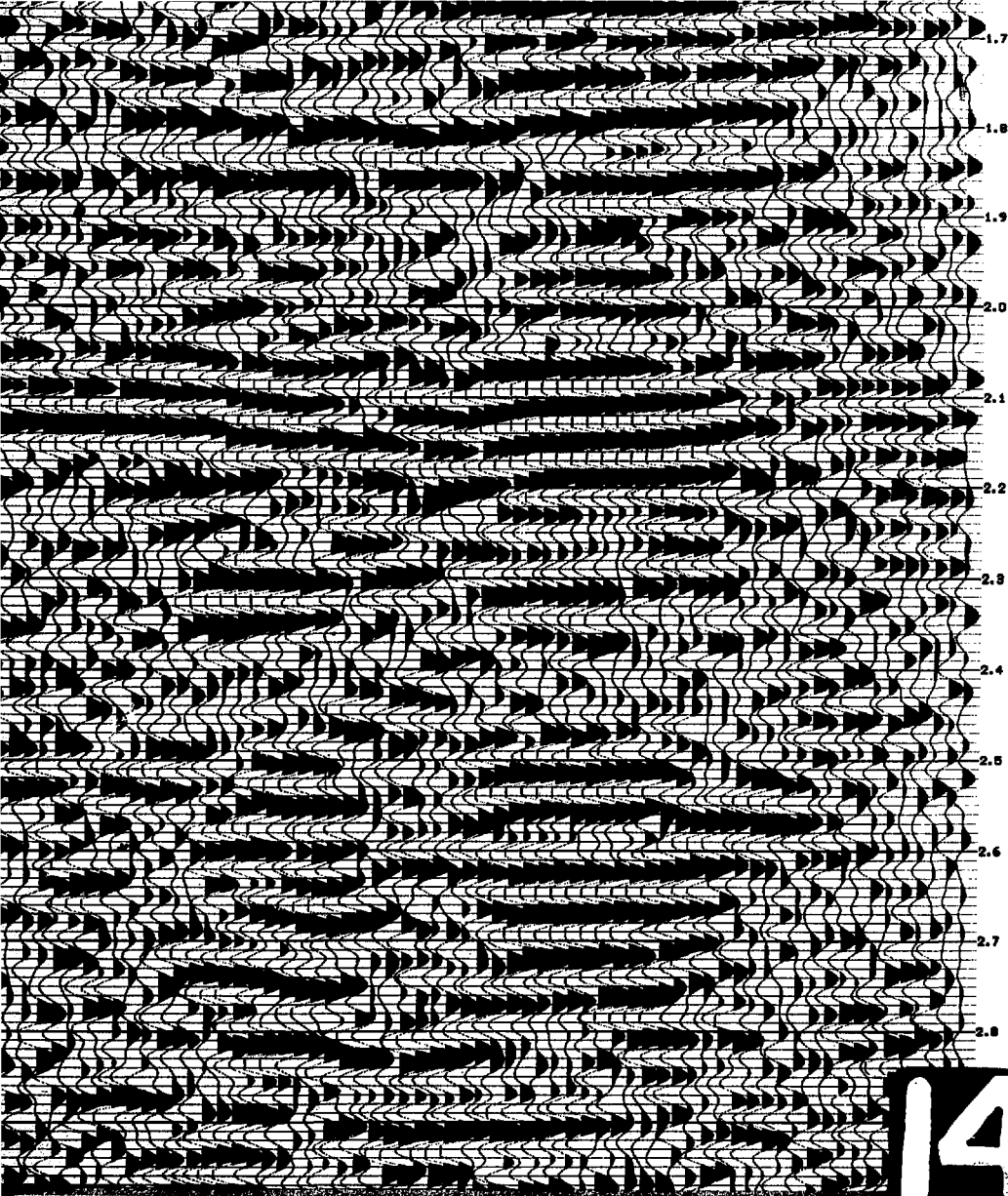
1.7  
1.8  
1.9  
2.0  
2.1  
2.2  
2.3  
2.4  
2.5  
2.6  
2.7  
2.8  
2.9





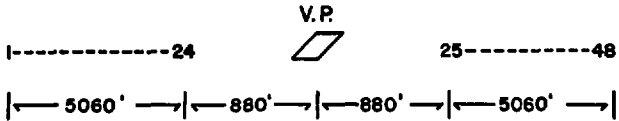


13



NO. TRACES 48    OFFSET 880'    GROUP INTERVAL 220'

SPREAD DIAGRAM

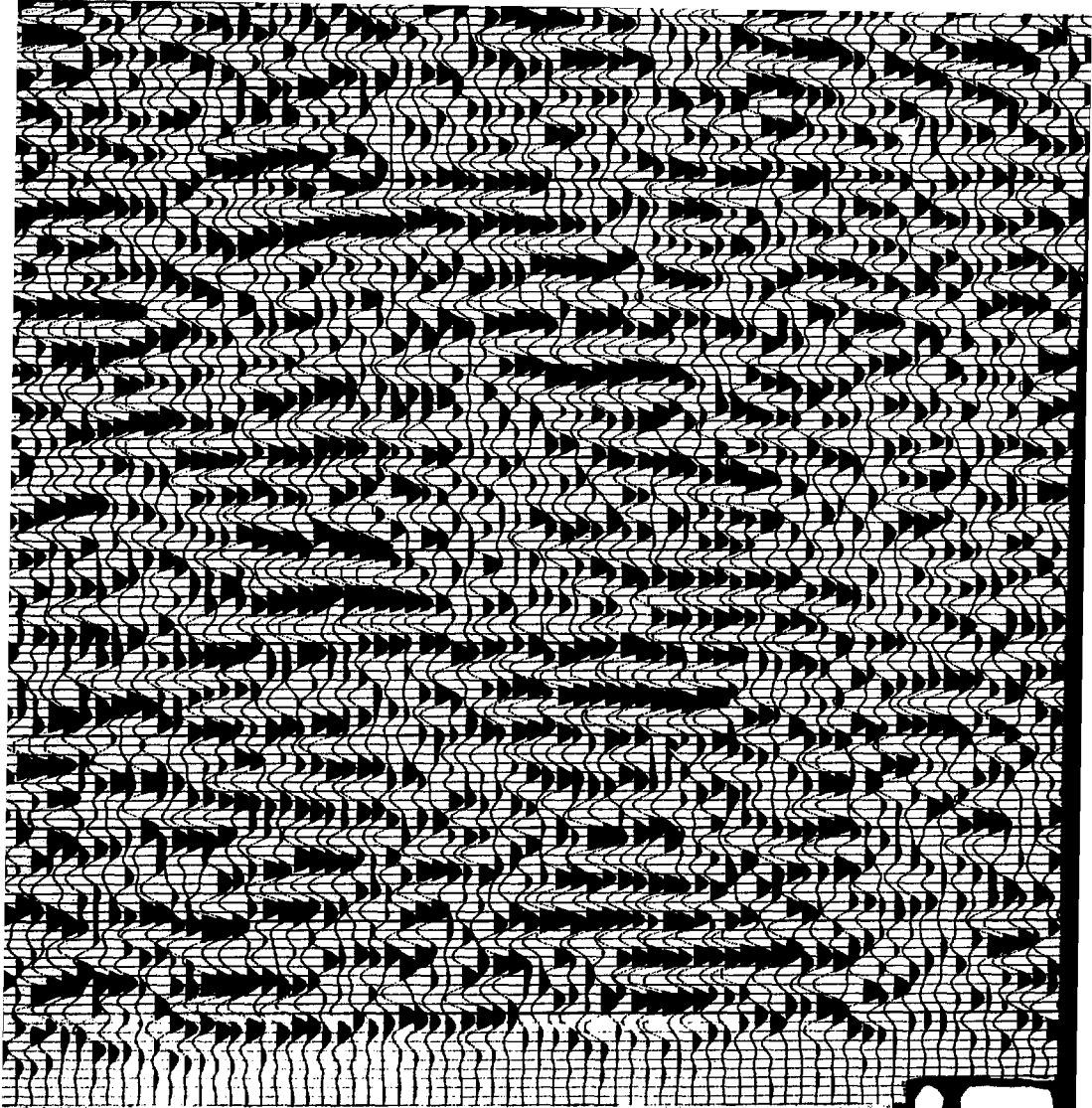


15

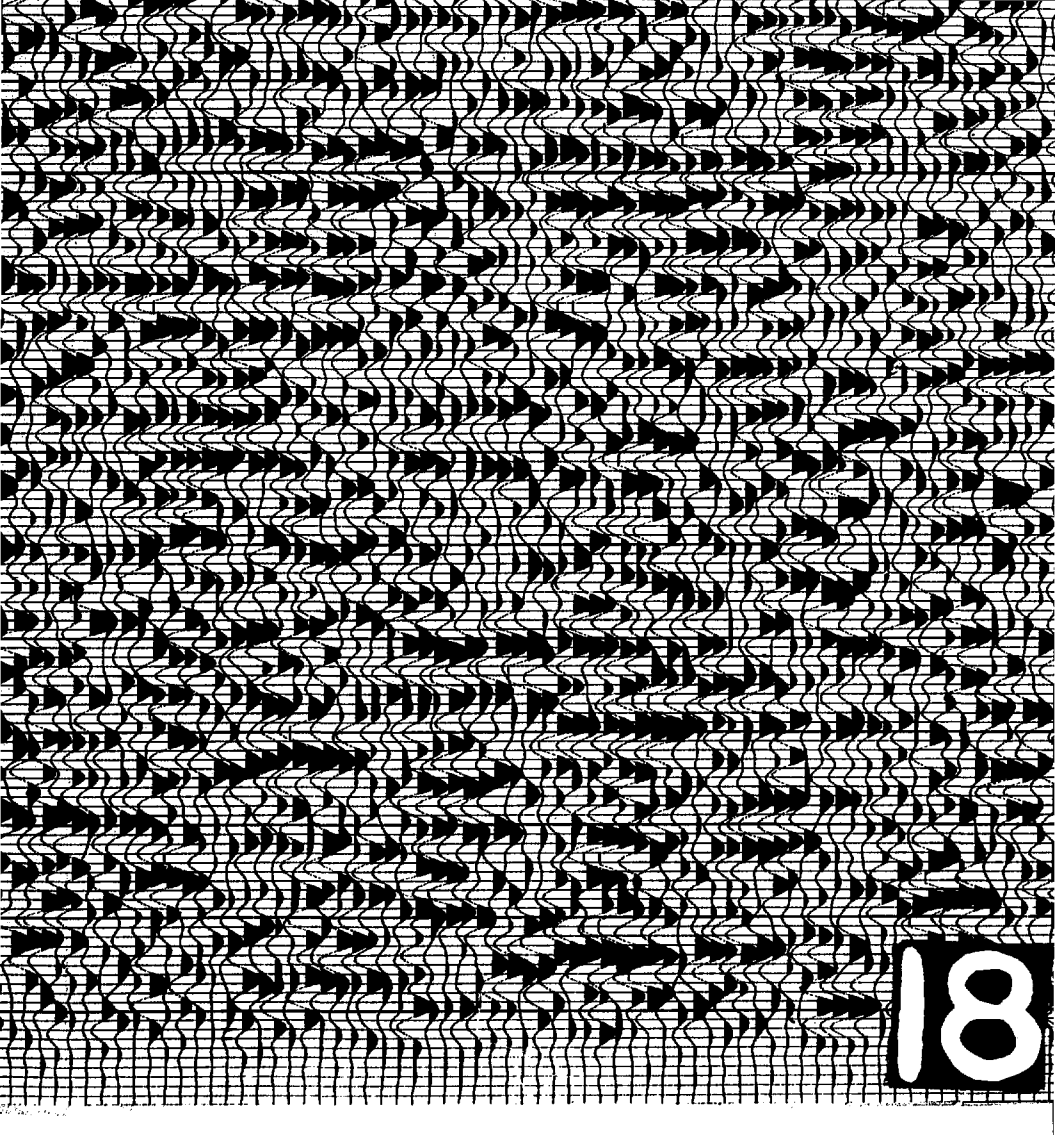


2.9  
3.0  
3.1  
3.2  
3.3  
3.4  
3.5  
3.6  
3.7  
3.8  
3.9

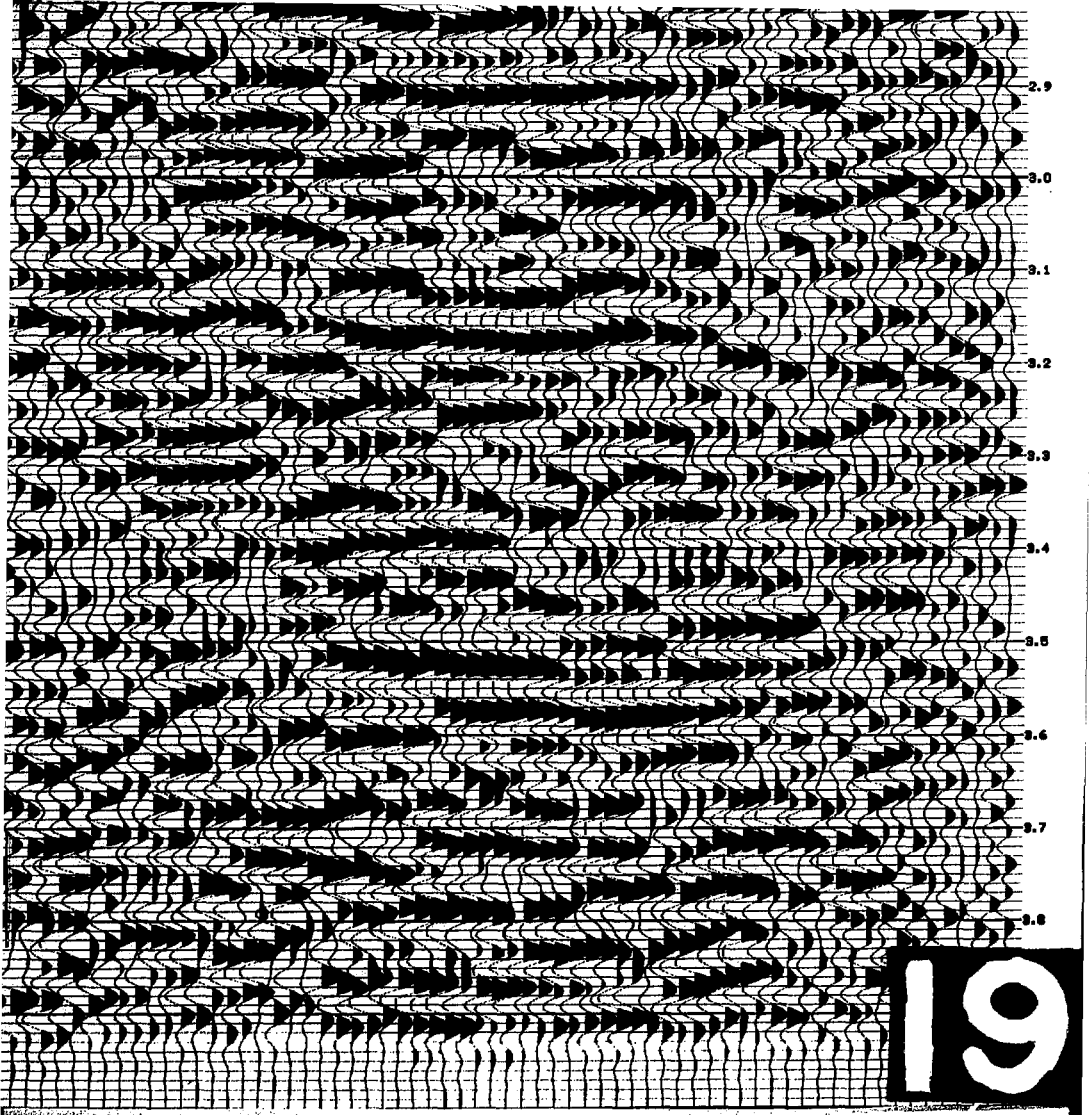
16



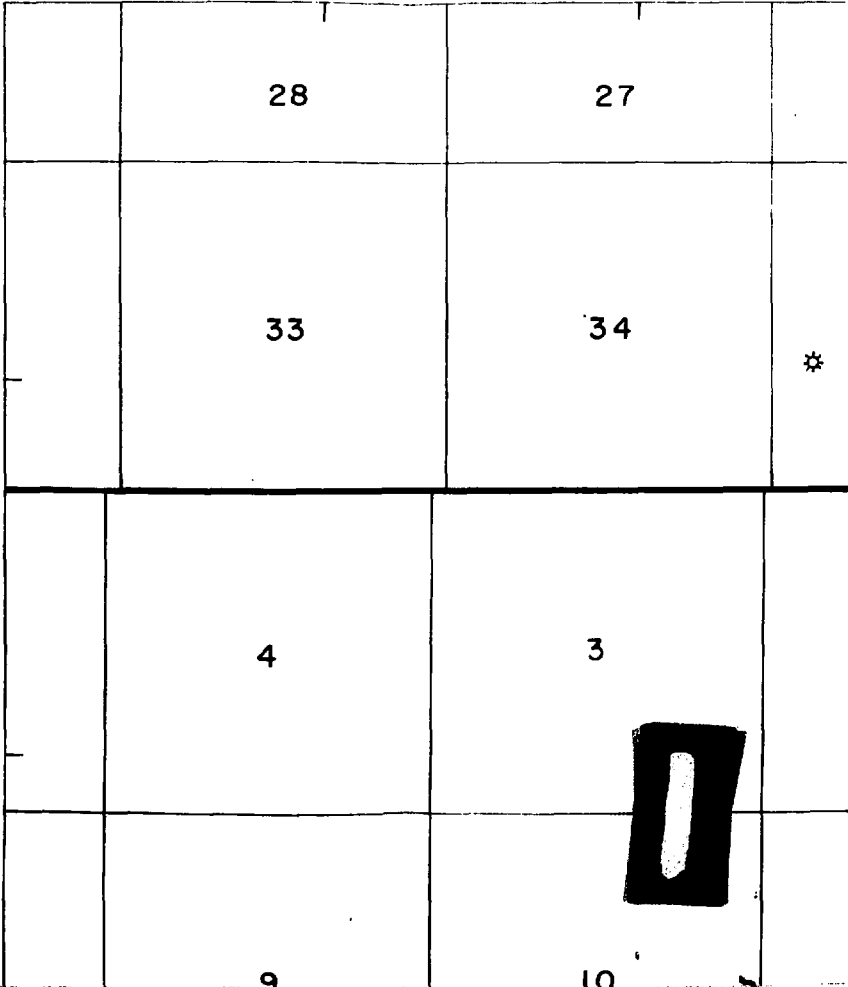
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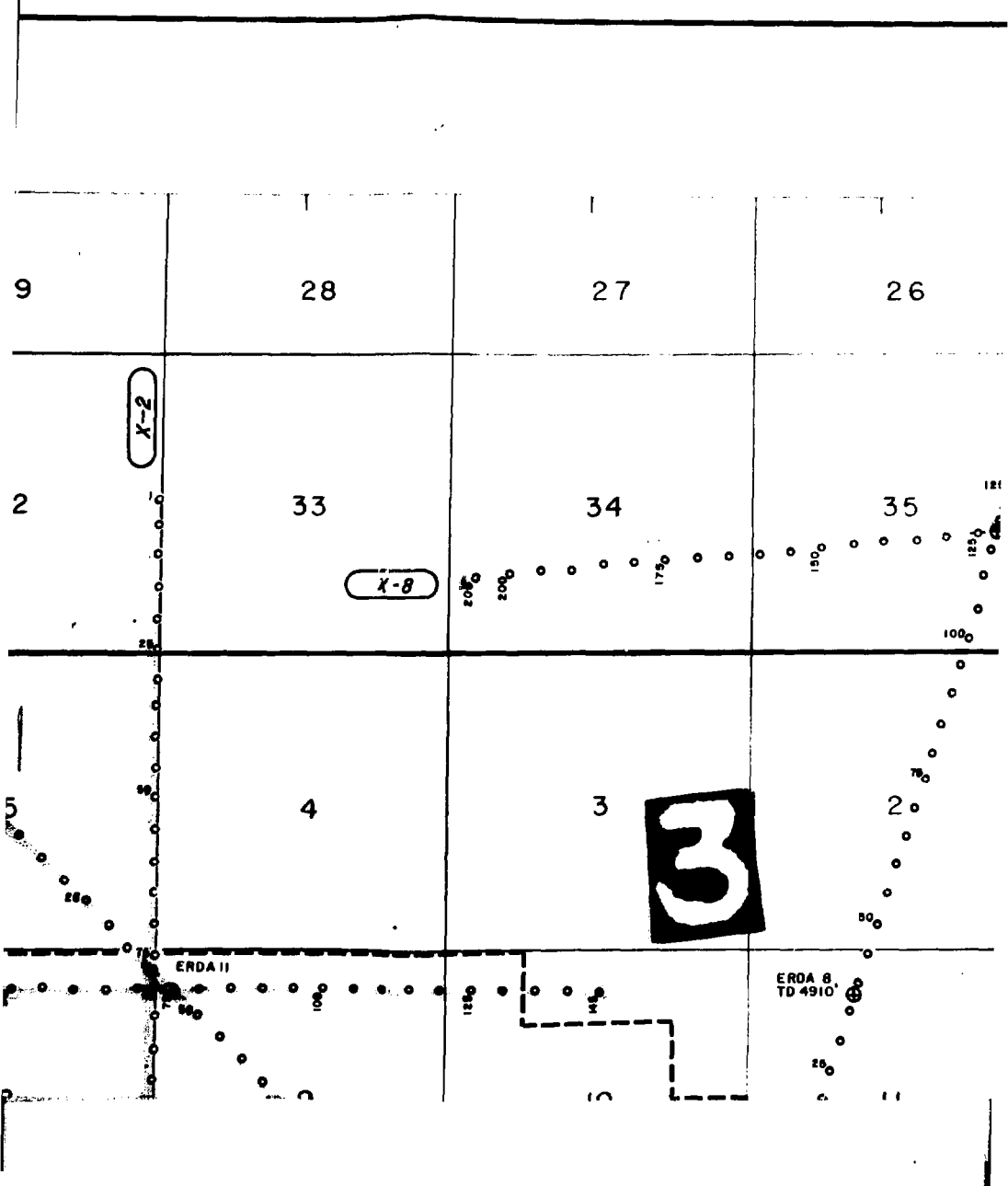
18



103°54' W  
32°27' N







9

28

27

26

2

33

34

35

121

5

4

3

2

11

X-2

X-8

3

ERDA II

ERDA 8  
TD 4910

200

200

175

190

100

70

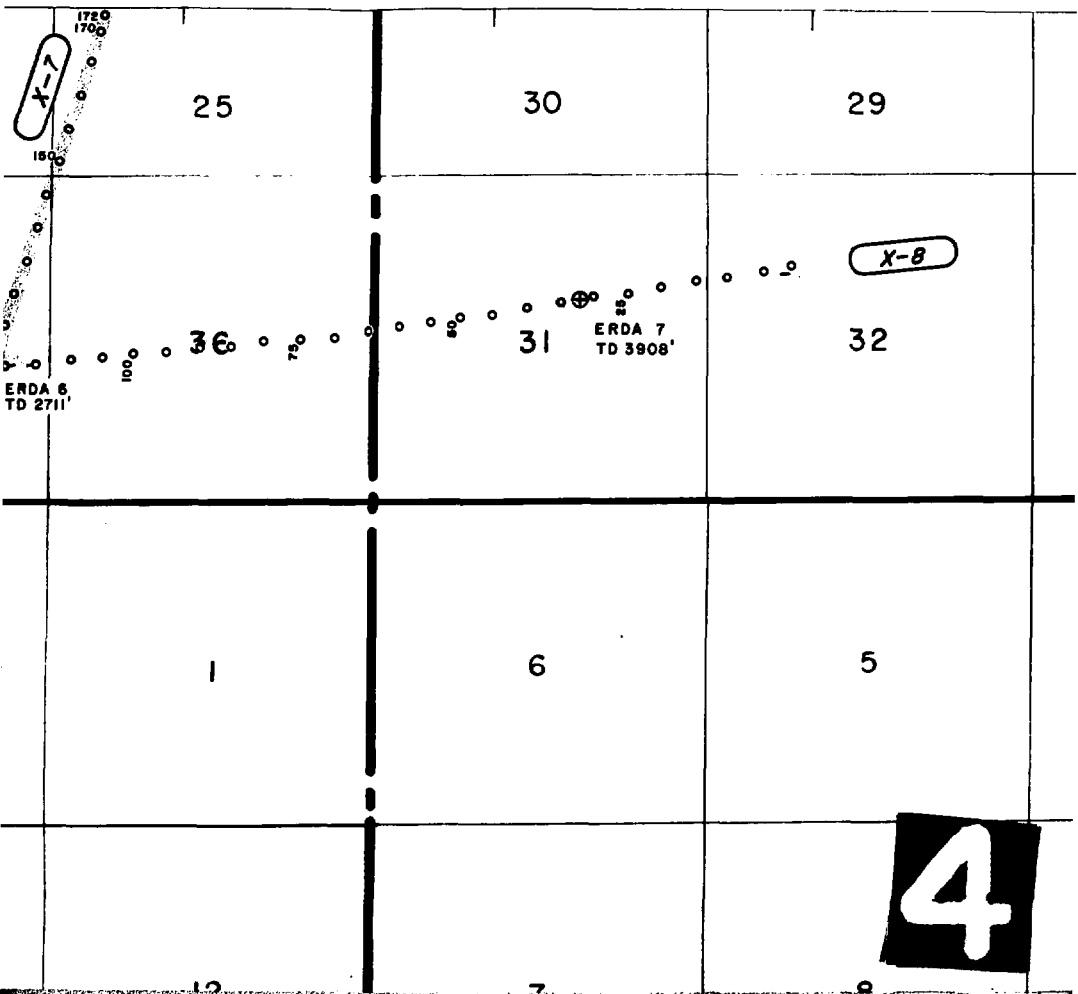
50

125

100

125

25



25

30

29

36

31

ERDA 7  
TD 3908'

32

1

6

5

4



103°41' W  
32°27' N

30

29

X-8

31

ERDA 7  
TD 3908'

32

6

5

5

24'

16

15

R

23'

21

22

22

S

T

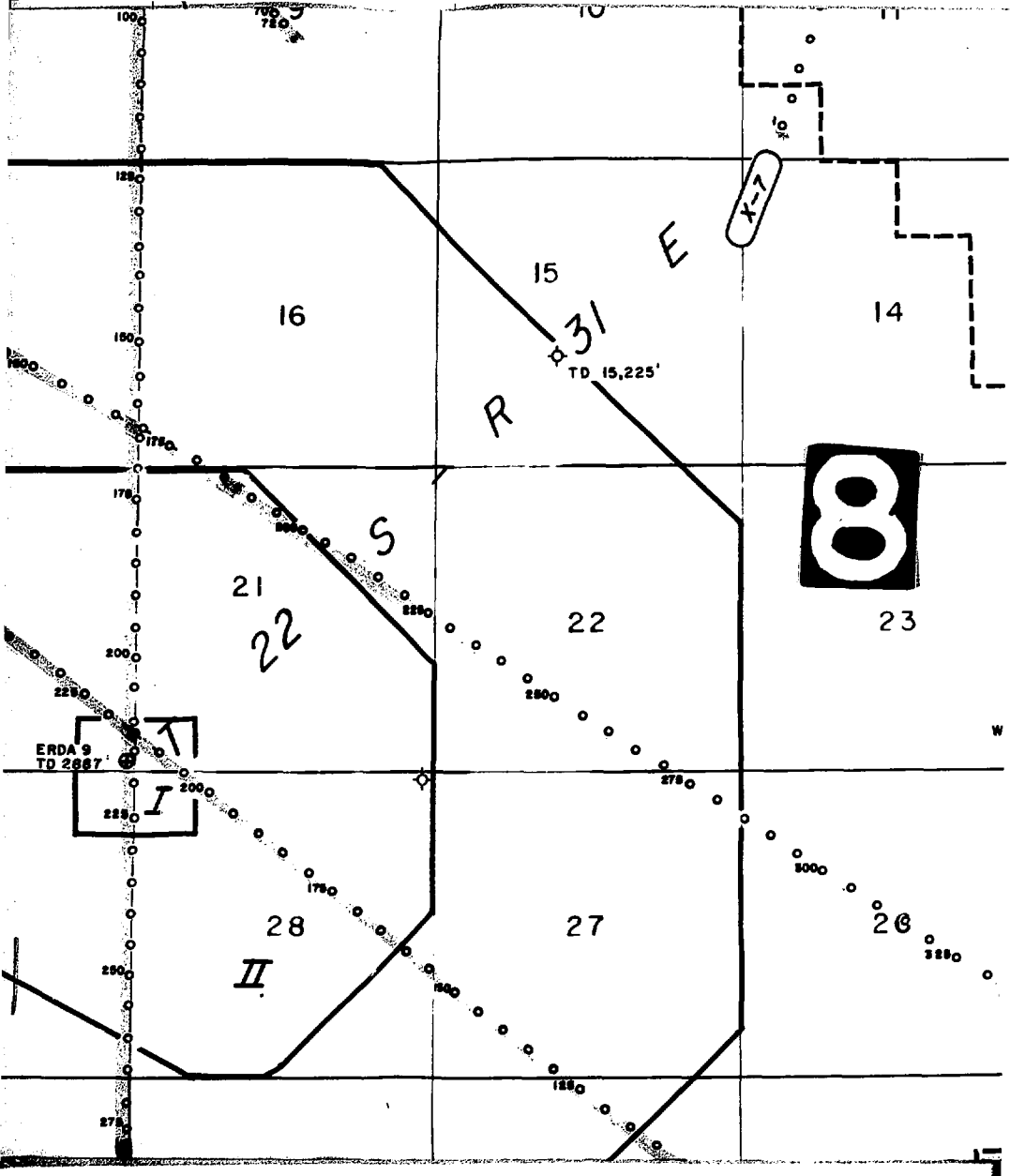
22'

28

27

6





12  
13

18

17

32

JEN-I

R

24

19

20

S

22

WRT-I

T

BAS-I

9

25

30

29

3800

FED-I

3700

Y

13

18

17

E

32

JEN-1



R

4

19

S

20



22

BAS-1



T

5

30

29



FED-1



Y

10

21'

33

34

20'

4

3

19'

9

10



R

18'

16

15  
23

S

T

35

36

31

30

JR-1  
✱

B-1  
✱

JR-3  
✱

JR-7  
●

6 TD 14,590'

✱

2

12

7

8

E

1130

R

**12**

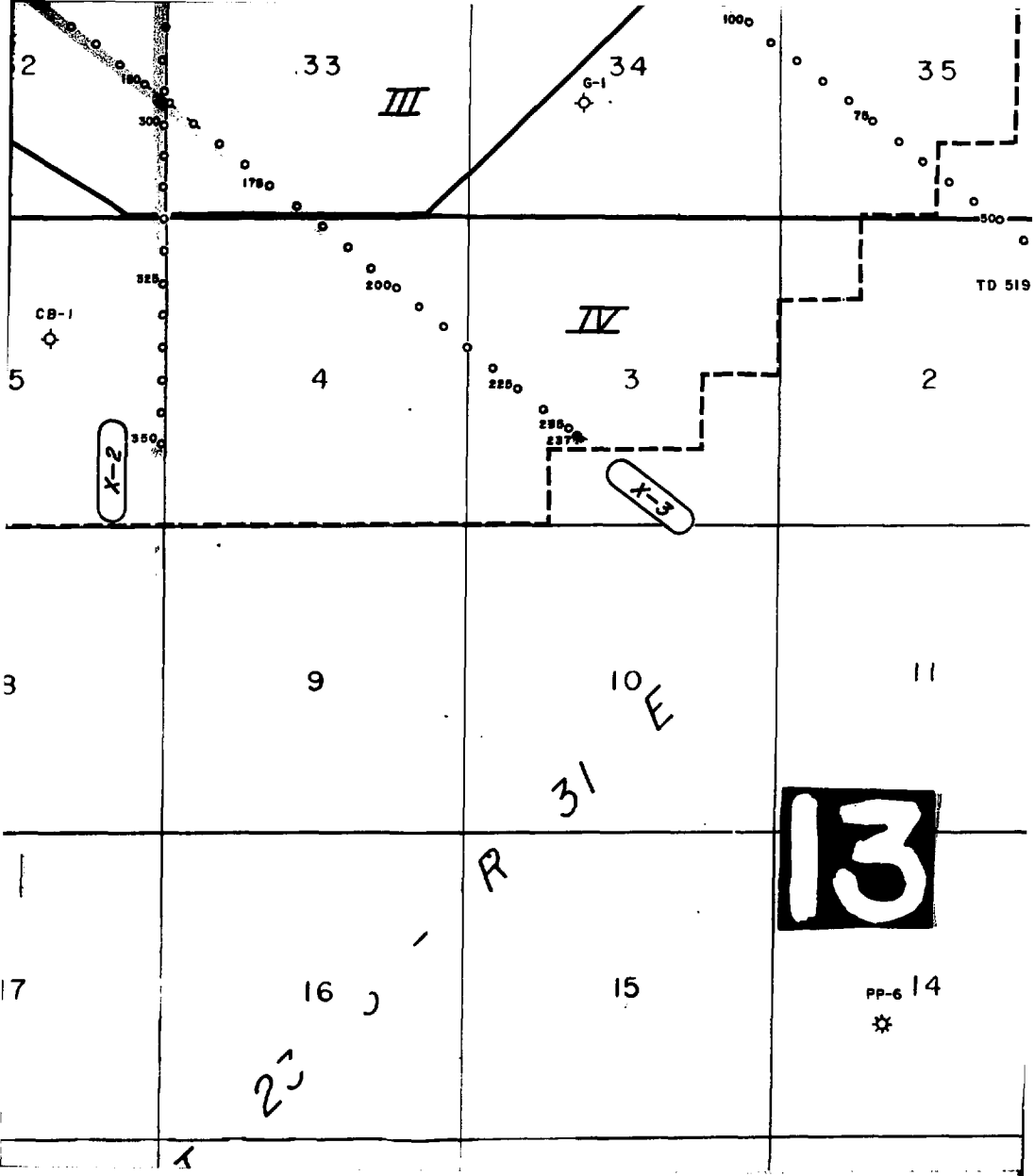
14

13

18

17





36

X-5

EDDY COUNTY

31

LEA COUNTY

32



EDDY

LEA

6

5

FED-5

12

7

8

32

**14**

R

13

18

6

17

23

T

X-5 6 COUNTY	COUNTY 31	32	
EDDY X-6	LEA 6	5	
2	7 FED-5 ♠	8 32 R	E
3 T	18 23 6	17	<b>15</b>

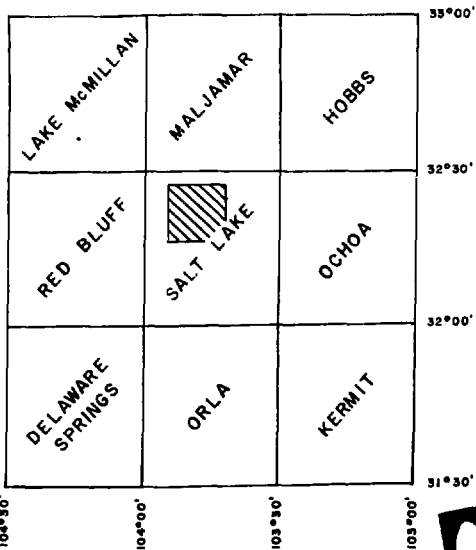
21

22

32°17' N  
103°54' W

53'

52'



16

23

24

19

0

51'

50'

49'

17

0

21

22

23

46

45



18

ZONE
I
II
III
IV
TOTAL

24

19

20

44'

43'

42'

19

AREA
100 Acres
1,818 Acres
6,221 Acres
10,821 Acres
18,960 Acres

## SANDIA LABORATORY

SEISMIC SURVEY

LOS MEDANOS SITE AREA  
EDDY COUNTY, NEW MEXICO

1977 SEISMIC PROGRAM

INTERPRETATION BY:  
G. J. LONG & ASSOCIATES, INC.

SEISMOLOGIST:

APPROVED:

SCALE

DATE

C. I.

1" = 2,000'

19

20

43'

42'

32°17'N  
101°41'W

**20**

## SANDIA LABORATORIES

SEISMIC SURVEY

LOS MEDANOS SITE AREA  
EDDY COUNTY, NEW MEXICO

1977 SEISMIC PROGRAM MAP

INTERPRETATION BY:  
G. J. LONG & ASSOCIATES, INC.

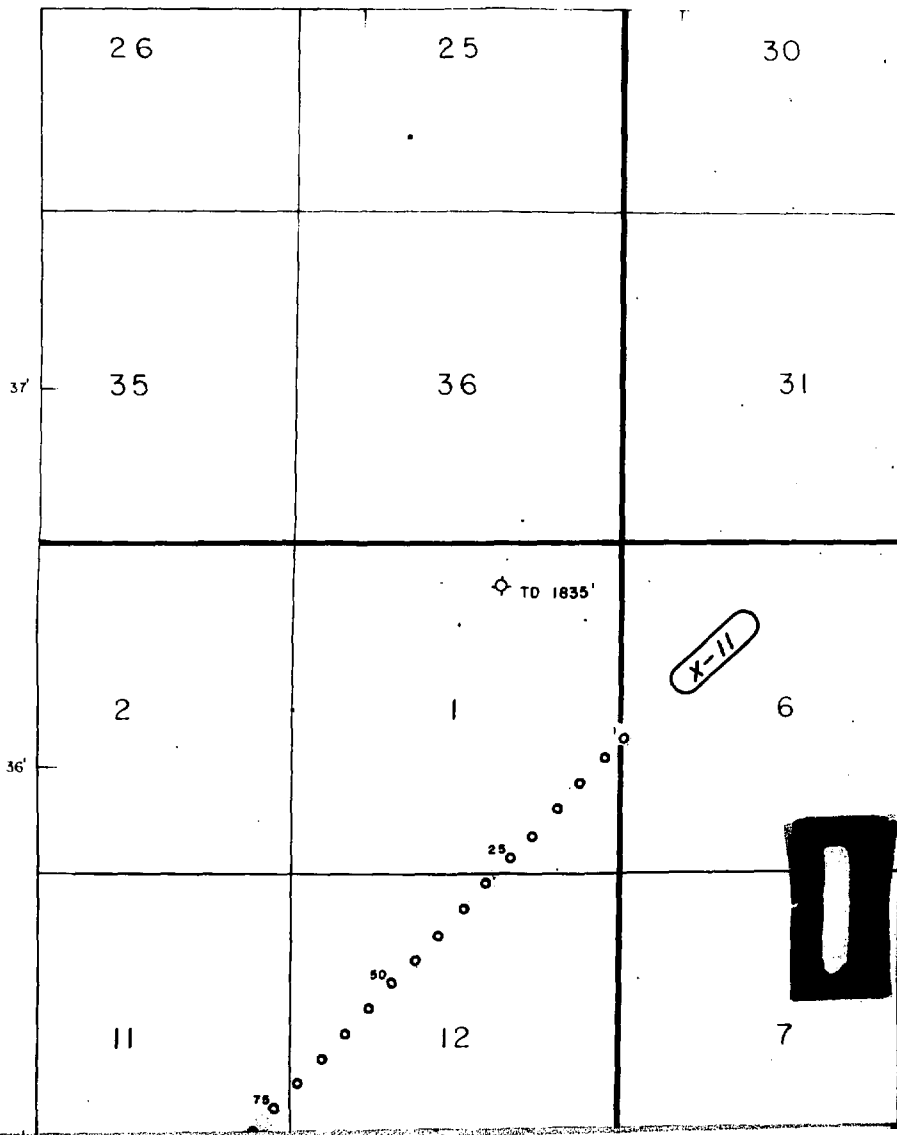
SEISMOLOGIST:

APPROVED:

SCALE	DATE	C. I.	
1" = 2,000'			



104°03'W  
32°38'N



104°00'

29

28

27

R 30 E

32

33

34

T 19 S

5

4

3

**2**

8

9

10

26

25

30

35

36

31

2

1

6

11

12

7

**3**

29

28

E 27

26

31

R

32

S 33

34

35

19

T

5

4

3

**4**

8

9

10

103°50'W  
32°38'N

28

E 27

26

31

R

S 33

34

35

4

3

2

9

10

11

5

35'

85°  
30'

TD 1650'

14

13

E

18

29

R

34'

S

23

20

24

19

T

33'

26

25

30

32'

35

36

31

6

17

16

30<sup>15</sup>

E

R

20

S

20<sup>21</sup>

22

T

29

28

◇ TD 12,695'  
27

7

32

33

34

14

13

18

23

24

19

26

25

30

35

36

31

8



17

16

31

E

15

R

20

S

21

22

20

T

29

28

27

32

33

34

9

16	31 E	14
R	15	
S /	22	23
21		
28	27	26
33	34	35

31'

1

6

5

30'

12

7

8

29'

13

18

17



X-12

4

3

2

9

10

11

**12**

E

29

16

15

14

R

S

1

X-13

1

6

5

27  
25

12

7

X-10

8

13

18

13

17

E

4



TD 4415'

3

2

9

10

11

E

**14**

16

15

14

S

- R

30

3

2

1

10

11

12

E

30

15

14

13

**15**

R

28'

24

19

20

25

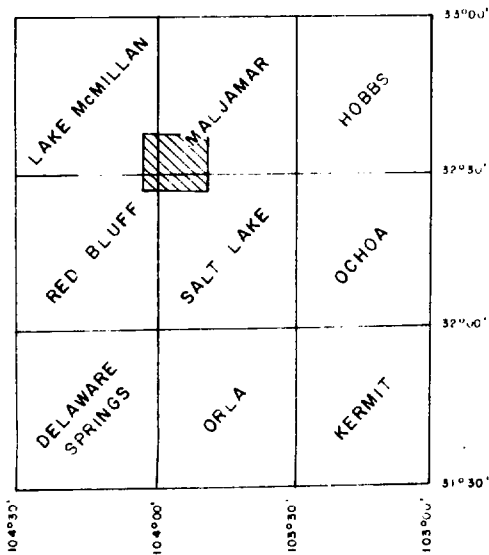
30

29

32°27'N  
104°03'W

02'

01'



16



	21	T 21 22	23
	28	27	26

17

24

19

20

25

30

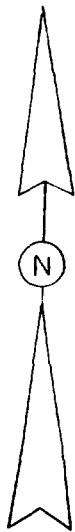
29

57'

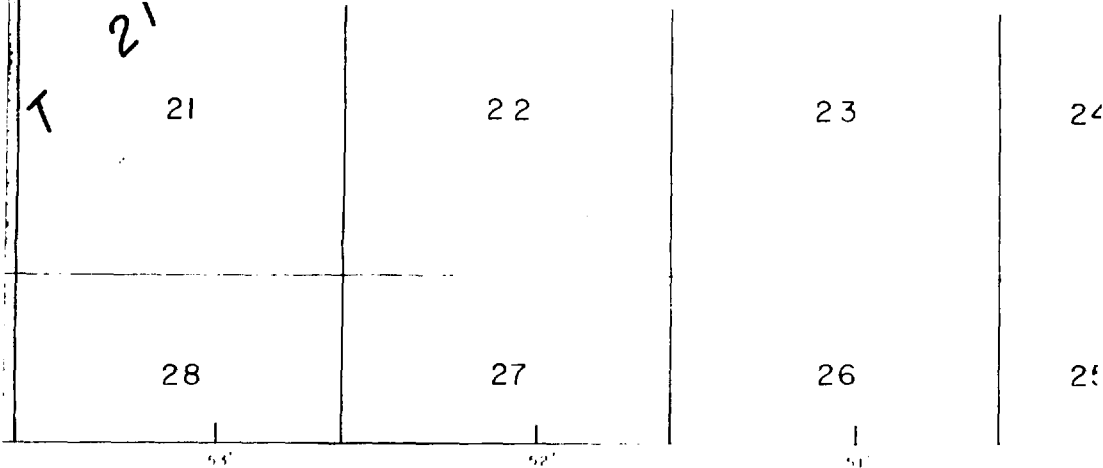
56'

55'

54'



18



**19**

**SANDIA LABORATORY**

SEISMIC SURVEY  
 ADJACENT AREA TO LOS MEDANOS  
 EDDY AND LEA COUNTIES, NEW MEXICO

**1977 SEISMIC PROGRAM**

22

23

24

27

26

25

52'

51'

50' 0" N  
105° 57' 0" W

20

## SANDIA LABORATORIES

SEISMIC SURVEY

ADJACENT AREA TO LOS MEDANOS SITE  
EDDY AND LEA COUNTIES, NEW MEXICO

1977 SEISMIC PROGRAM MAP

# SANDIA LABORATORIES

SEISMIC SURVEY  
ADJACENT AREA TO LOS MEDANOS SITE  
EDDY AND LEA COUNTIES, NEW MEXICO

## 1977 SEISMIC PROGRAM MAP

INTERPRETATION BY  
G. J. LONG & ASSOCIATES, INC

SEISMOLOGIST

APPROVED

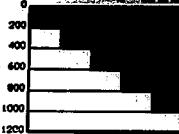
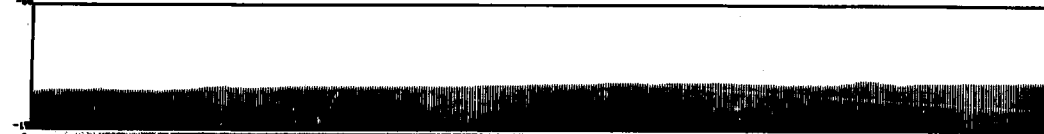
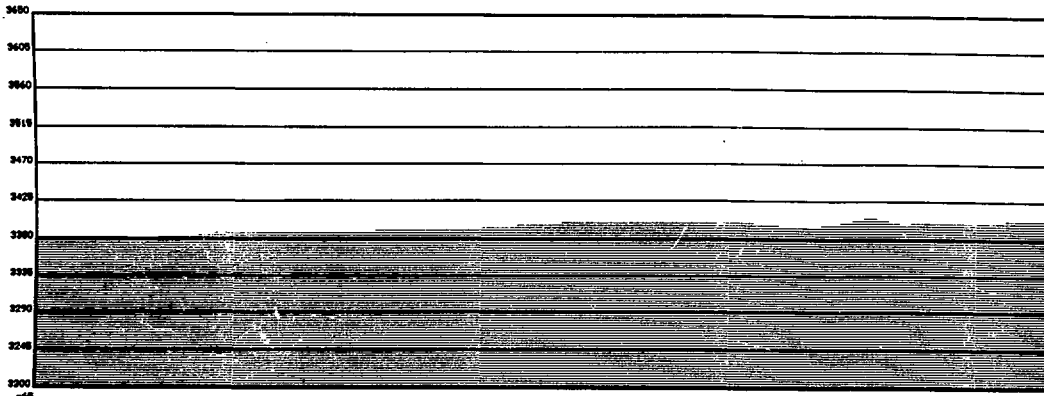
SCALE

DATE

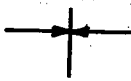
C I

1" = 2,000'

21

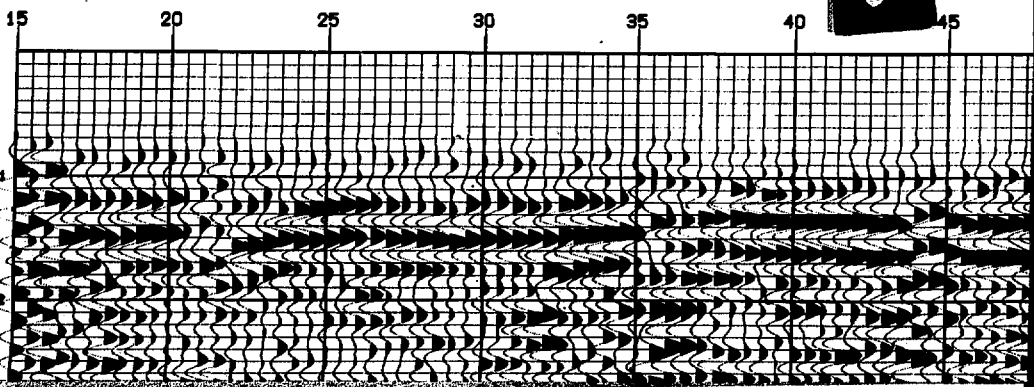
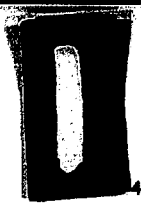


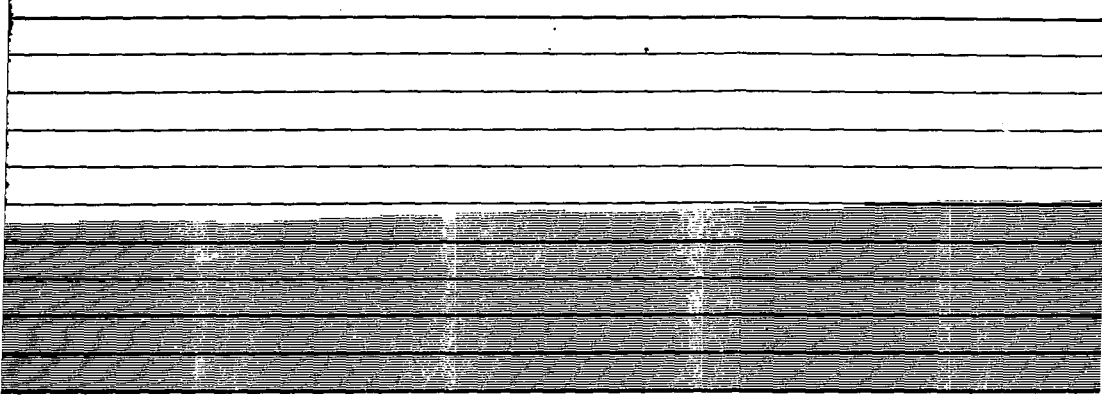
sec 7



VEL. ANGLE

WEST





sec 8

VEL. ANGL.

2



VEL. ANGL.

50

55

60

65

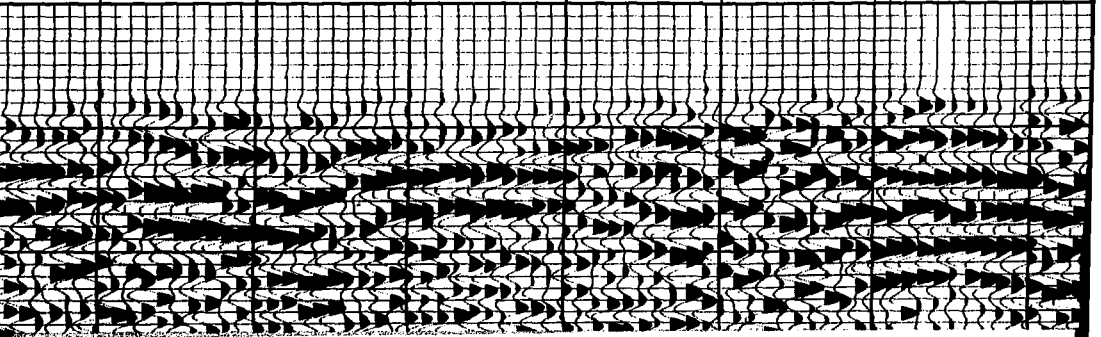
70

75

80

LINE X-2

LINE X-2



sec 9

VEL. ANFL.

3

85

90

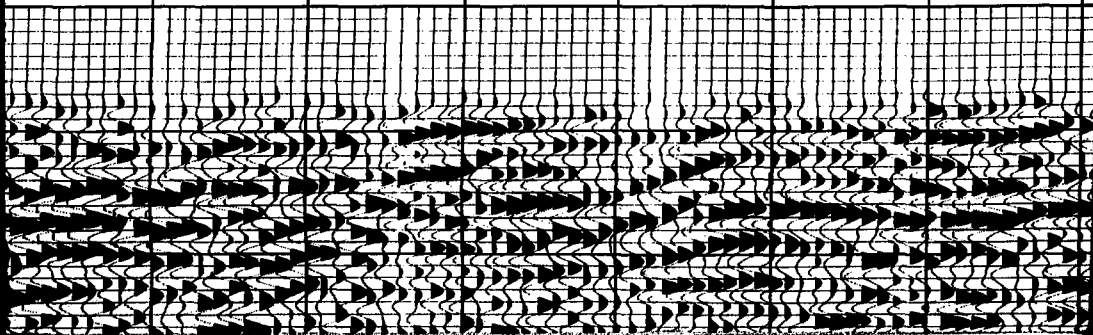
95

100

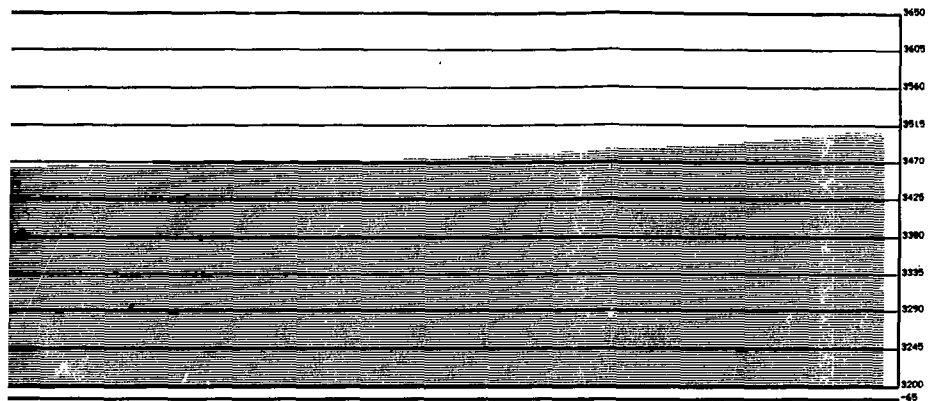
105

110

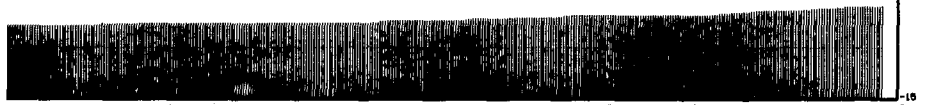
115







ELEV



STAT



FOLD



sec 10

VEL. ANPL.

ERT

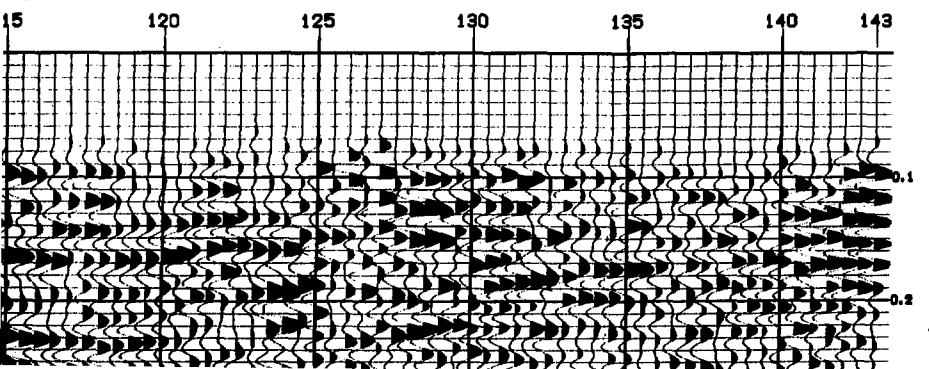
LINE

VEL

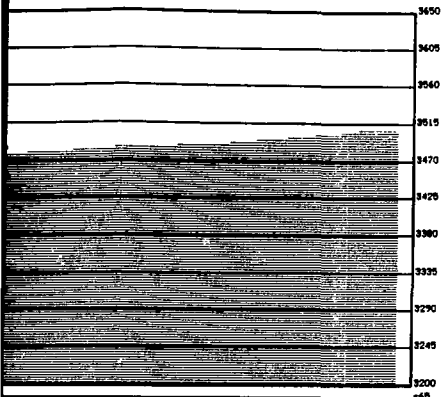
DIR

LINE

STR



4



ELEVATIONS



STATICS



FOLD %

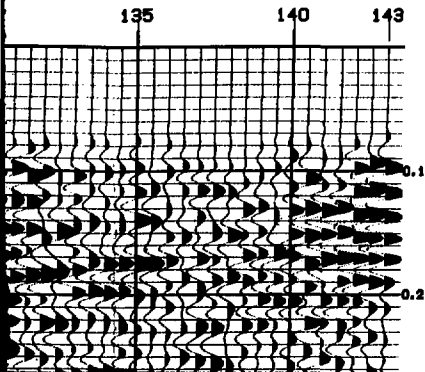
c 10

GMT

LINE DIRECTION

5

VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

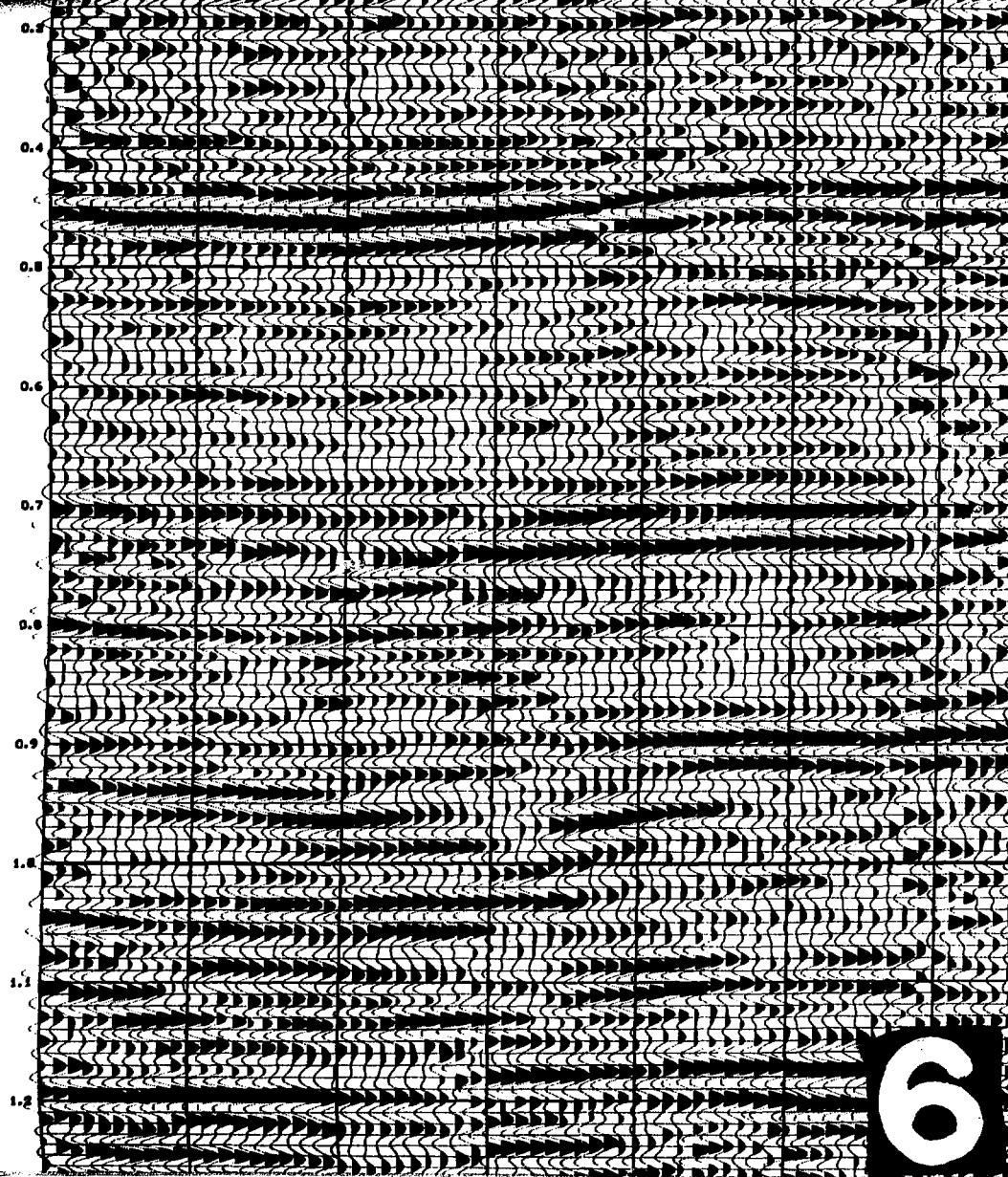


STATIONS

**Dynacoustic**

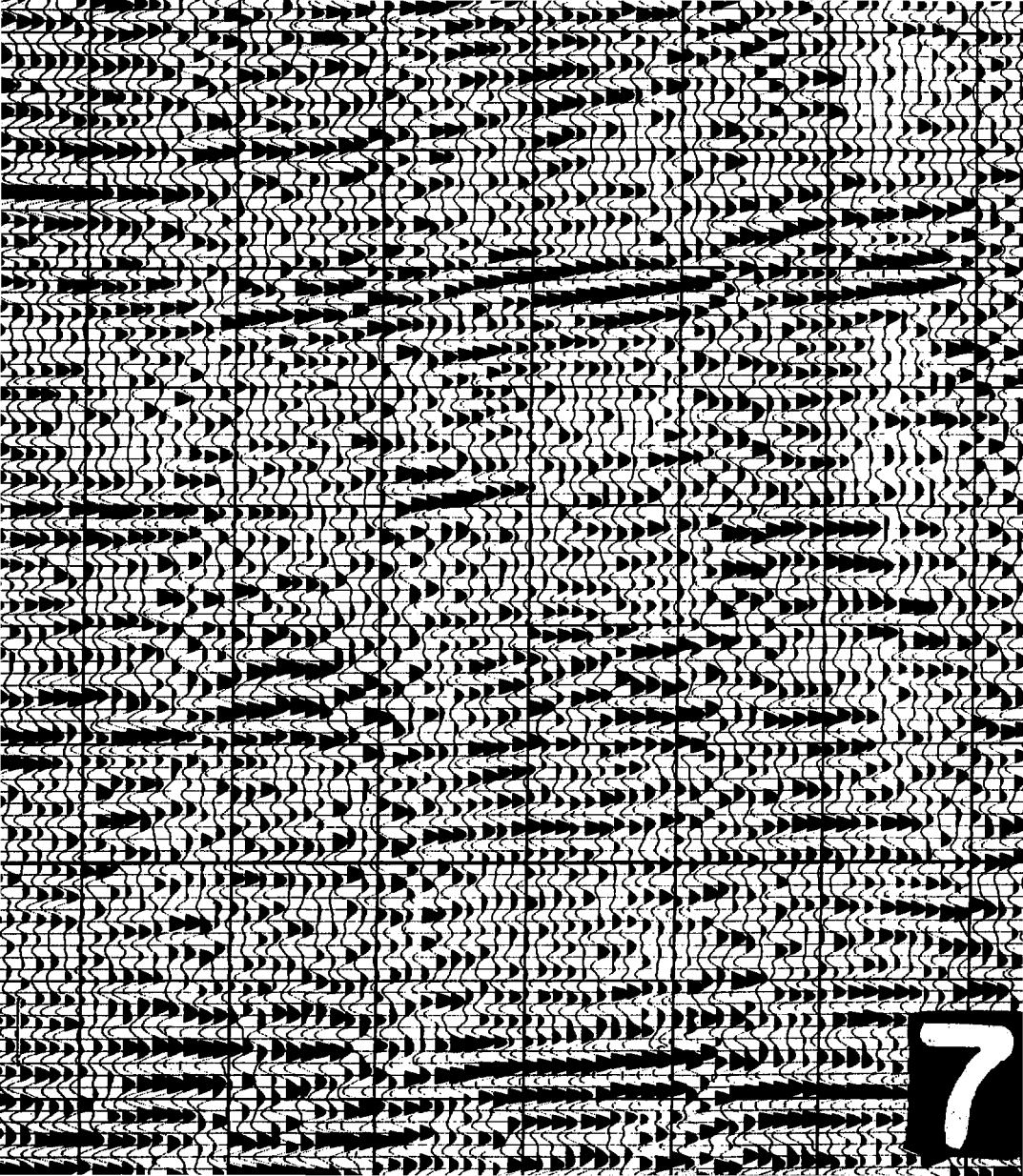
**LOS MEDANOS**

LINE X-1  
STATIONS 15-143  
SOUTHEAST NEW MEXICO

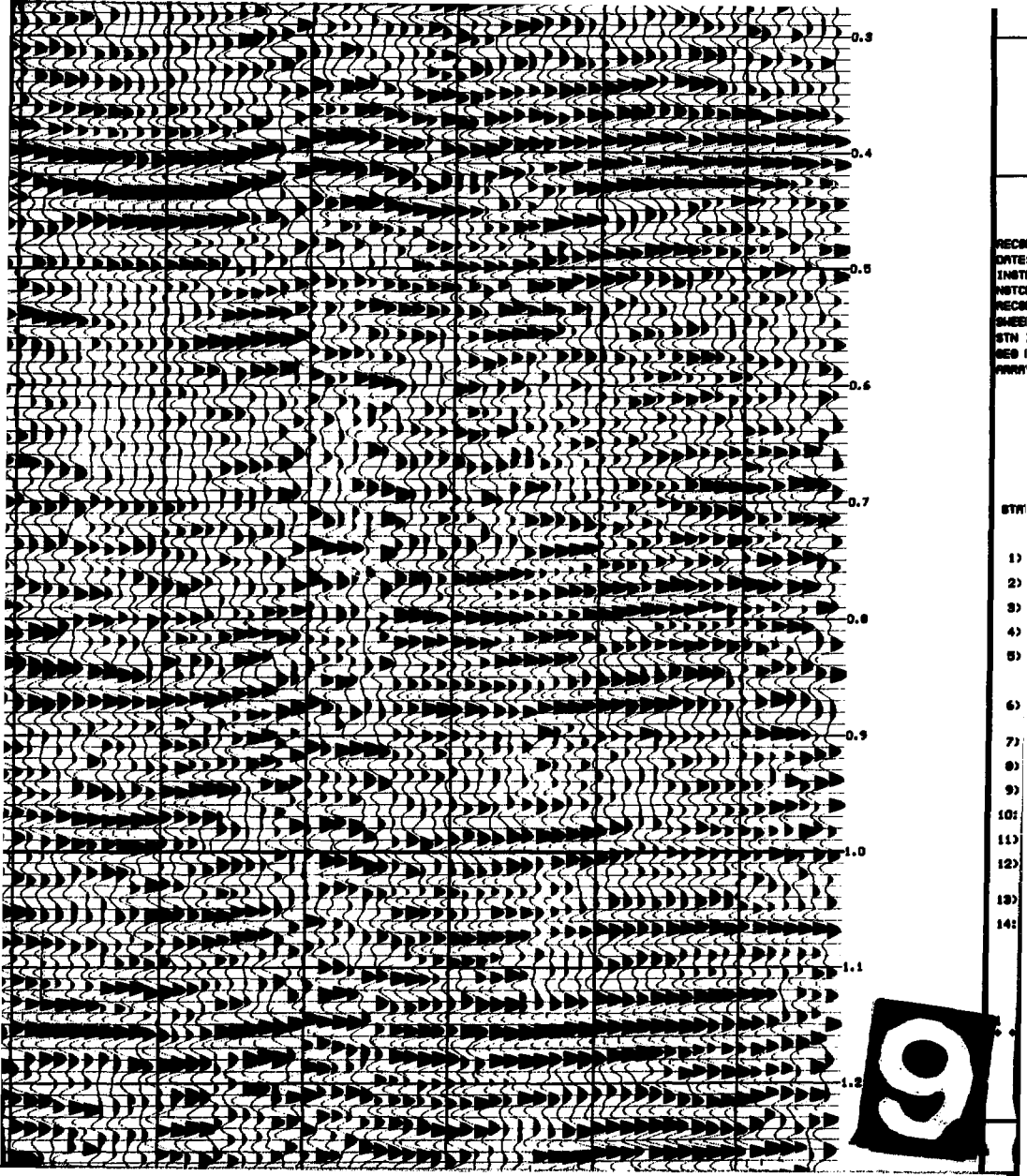


0.2  
0.4  
0.6  
0.7  
0.8  
0.9  
1.0  
1.1  
1.2

6





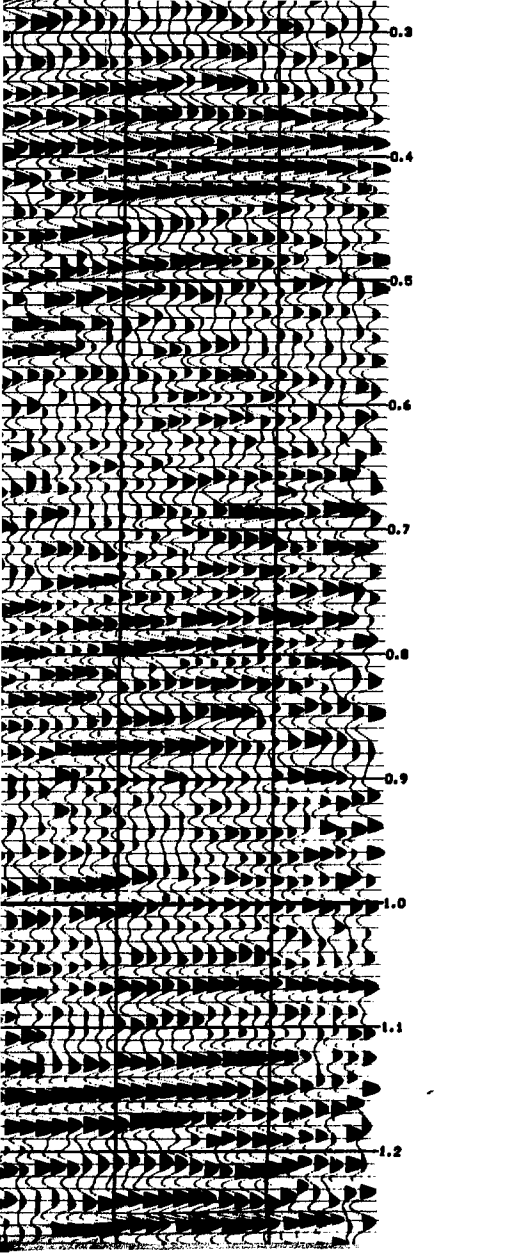


REC'D  
DATE:  
INST:  
INST:  
REC'D  
SHEE  
STN  
NO. I  
PARR

STN

- 1)
- 2)
- 3)
- 4)
- 5)
- 6)
- 7)
- 8)
- 9)
- 10)
- 11)
- 12)
- 13)
- 14)





INPUT REEL HEADER INFORMATION

REEL NUMBER  
 DATE CHANGED 10/13/77  
 NUMBER SAMPLES/TRACE 1000  
 SAMPLE RATE IN HILLS 2  
 PROCESSOR  
 LINE NUMBER X-1  
 JOB NUMBER  
 SECTION NUMBER  
 PROCESSING STEP

FIELD INFORMATION

RECORDED BY: DRESSER OLYMPIC PARTY: NO. 62  
 DATE: SEPTEMBER 14, 1977 FILTER: 18/26-124 HZ  
 INSTRUMENTS: CFS I - DFB IV SAMPLE RATE: 2MS  
 NOTCH FILTER: IN SOURCE: VIBROVEIS  
 RECORD LEN: 16 SEC. SHEEP LEN: 12 SEC.  
 SHEEP FREQ: 25-100 HZ NO/SAMPLES 24  
 STN INV: 110 FT. VIB. INV: 110 FT.  
 DEG PER STN: 6 DEG TYPE: GSC-200  
 PARTY TYPE: INLINE TYPE COVER: 1200 PRACT

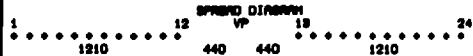
PROCESSING SEQUENCE

PROCESSED BY DRESSER OLYMPIC

STATICS COMPUTATION  
 DATUM: 8200 FT.  
 VSM: 6000 FT/SEC.

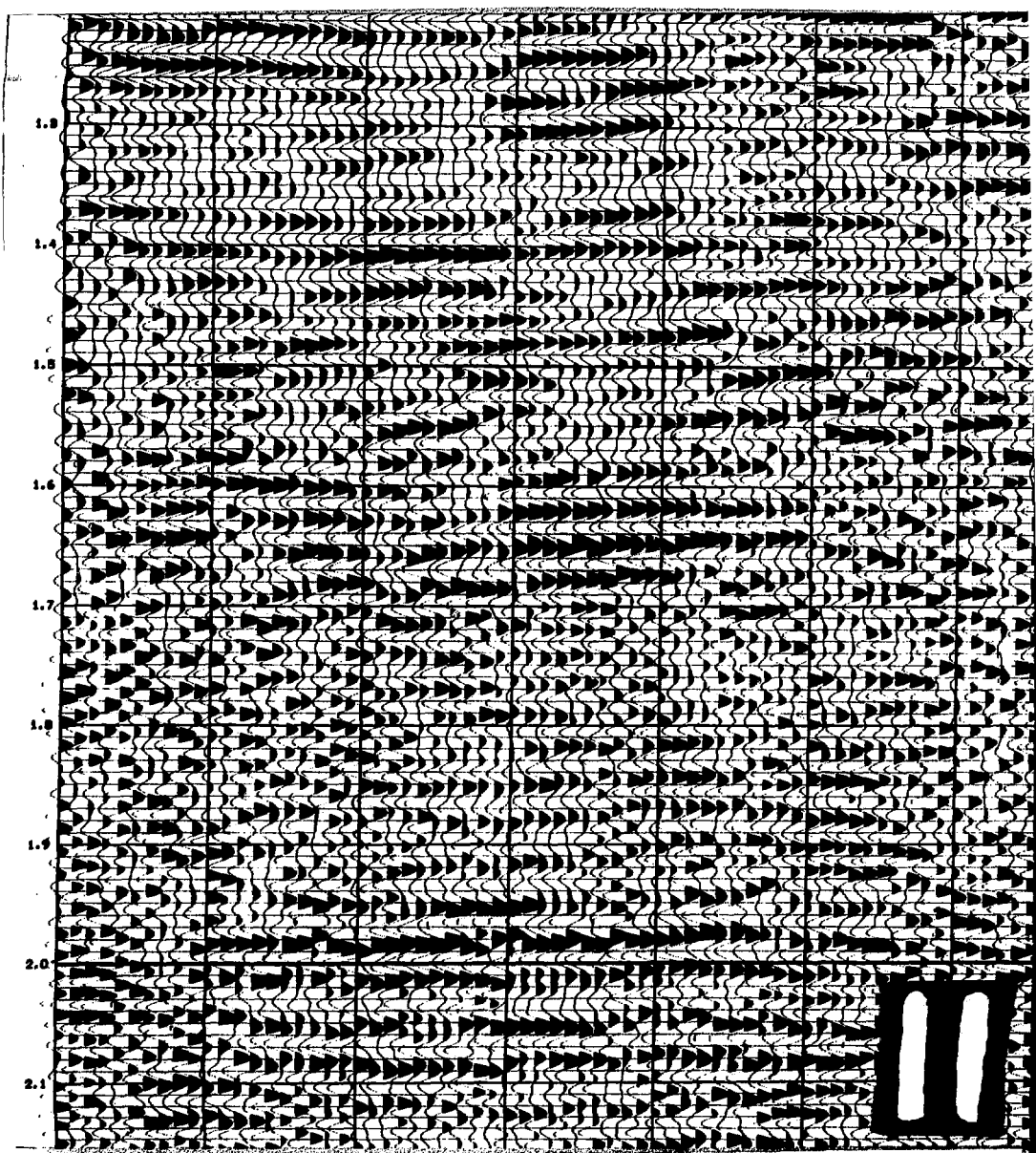
- 1) DEMULTIPLEX
- 2) BINARY GAIN RECOVERY
- 3) VIBROVEIS CORRELATION
- 4) COMMON DEPTH POINT GATHERS
- 5) DECONVOLUTION  
 OPERATOR LENGTH=140 MILS  
 PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-8.0 SEC. 25-60 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMS
- 10) FIRST BRAGG SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-8.0 SEC. 25-60 HZ
- 13) DIGITAL ABC
- 14) DISPLAY  
 8 TR/IN  
 10 IN/SEC.

10



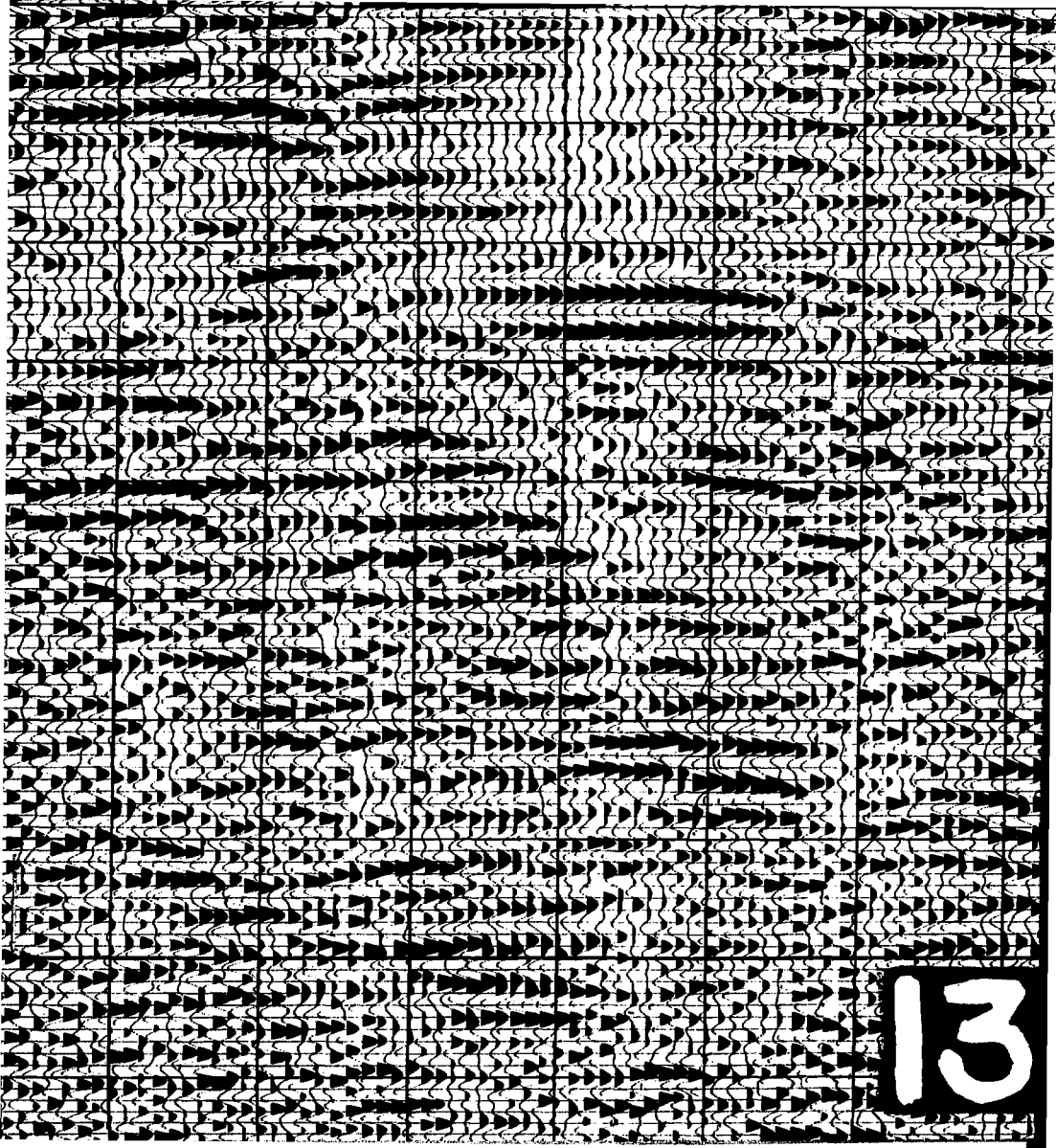
\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN 300  
 10/13/77 10:00 AM

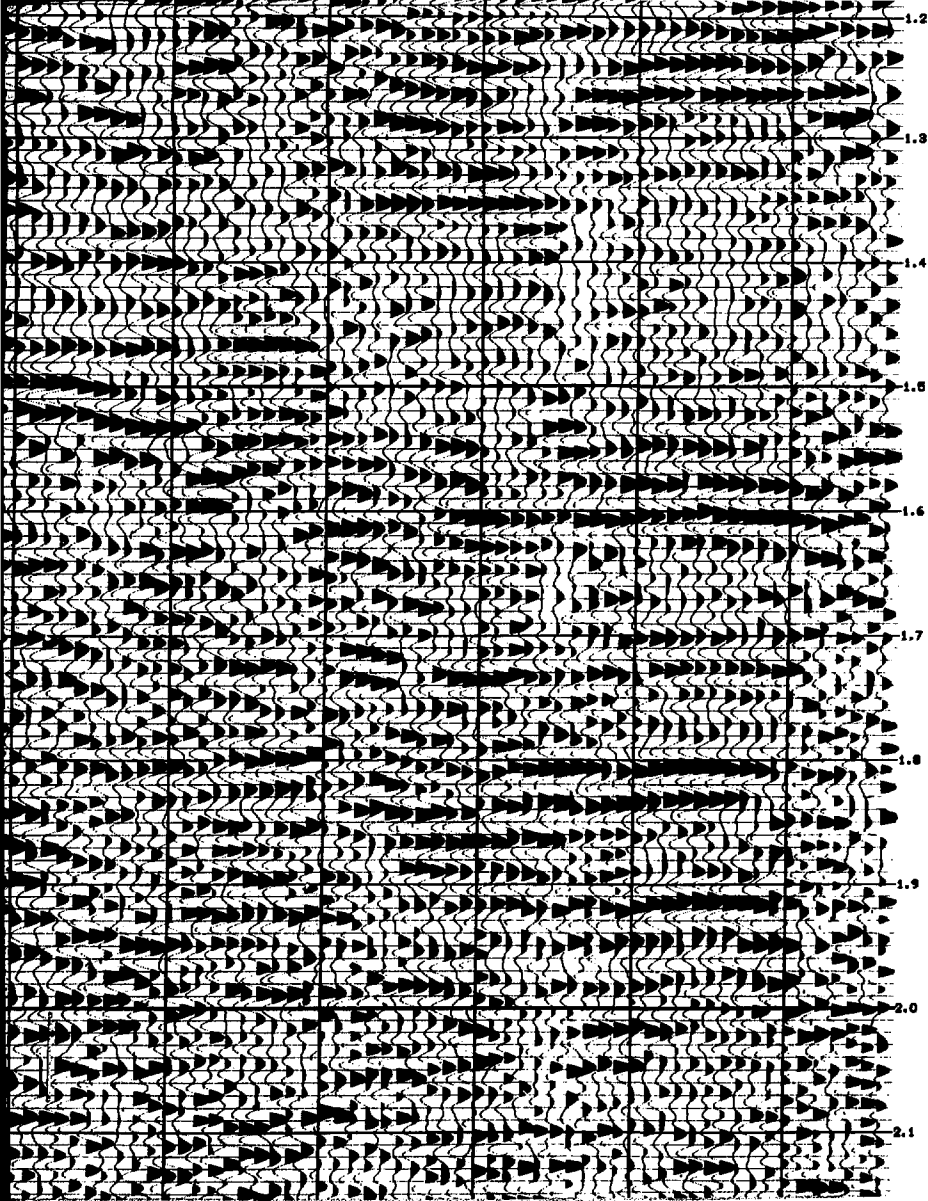




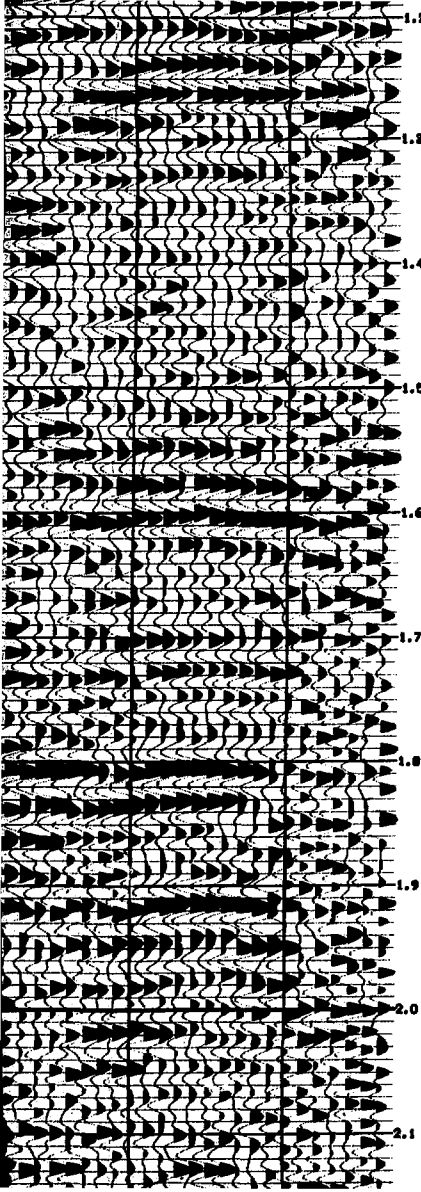




13



14



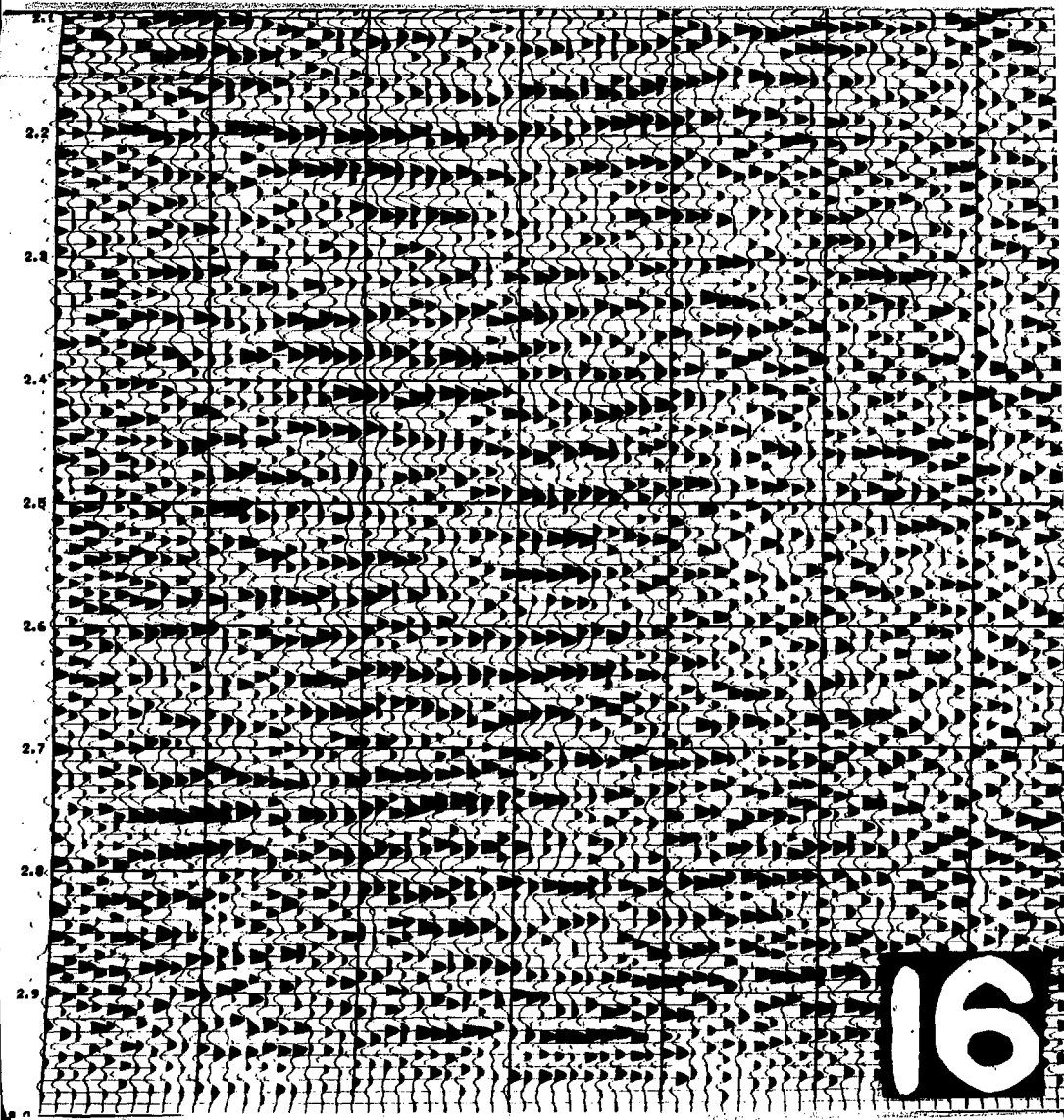
1.2  
1.3  
1.4  
1.5  
1.6  
1.7  
1.8  
1.9  
2.0  
2.1

\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GRAIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION L/R  
PERCENT BAR 0  
POLARITY BLACK+VE

\*\*\*\*\*  
DATA GENERATED BY  
AGILENT E-1011C  
\*\*\*\*\*

15

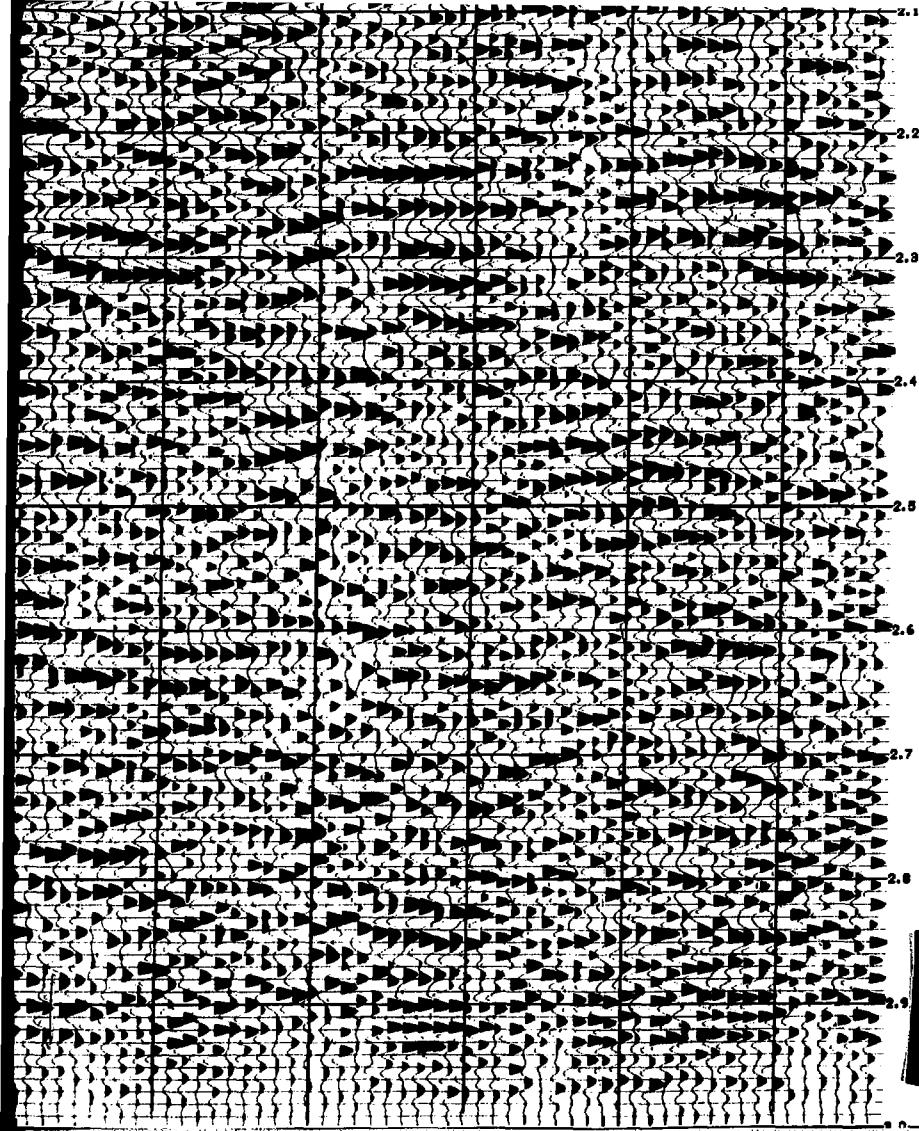


16

17

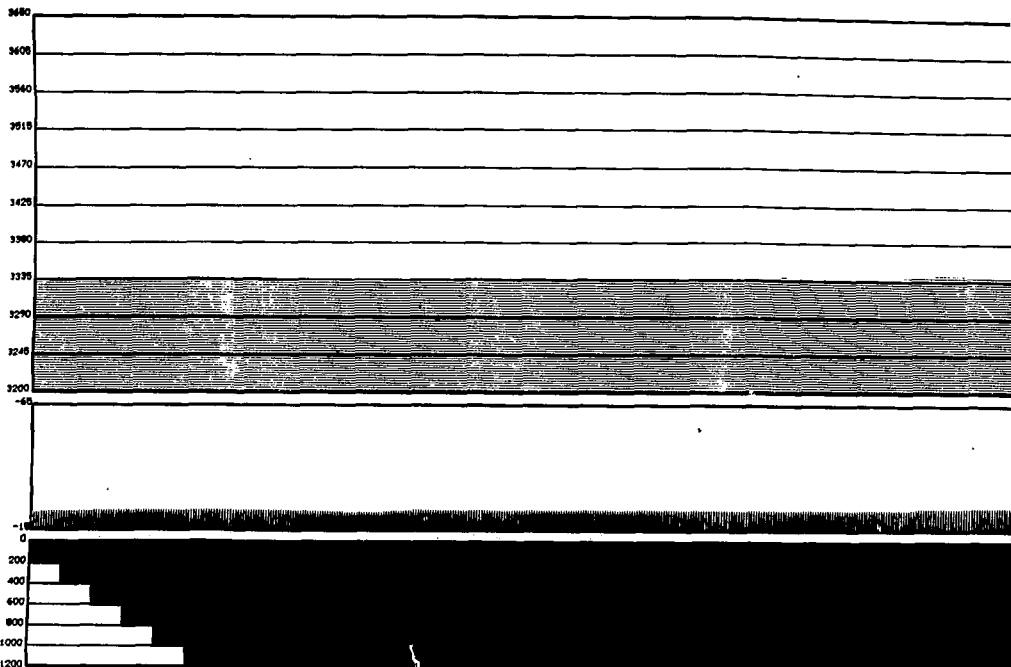


18



19



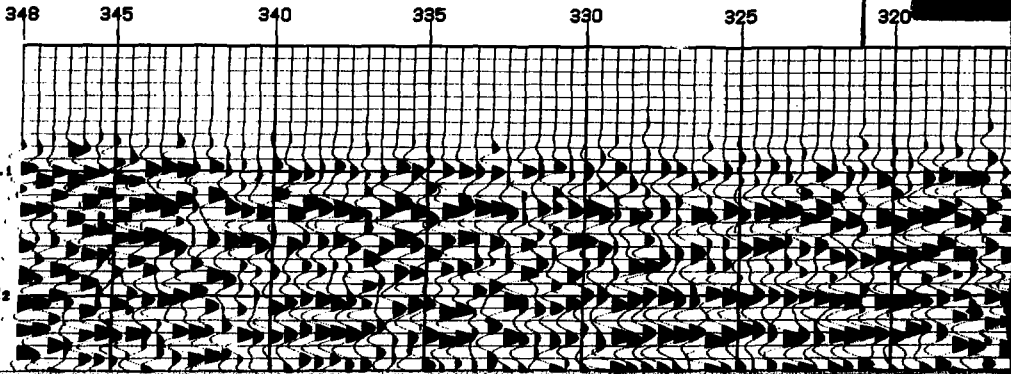


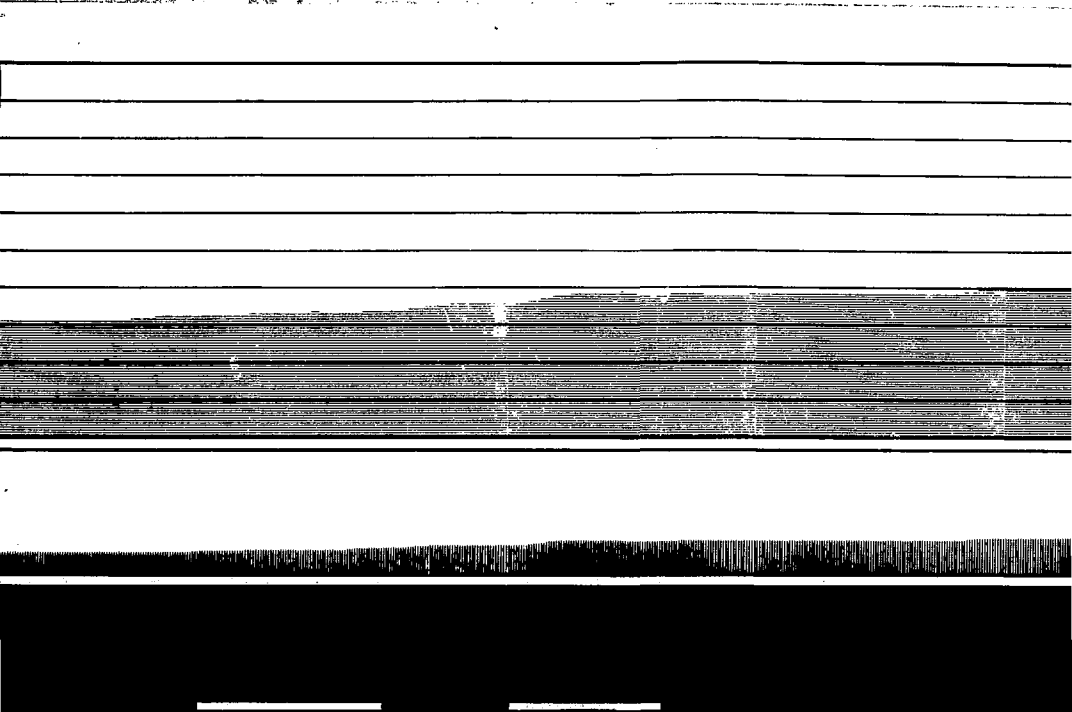
*SEC 5*

VEL. ANGL.

NORTH

P - 8





VEL. ANGL.

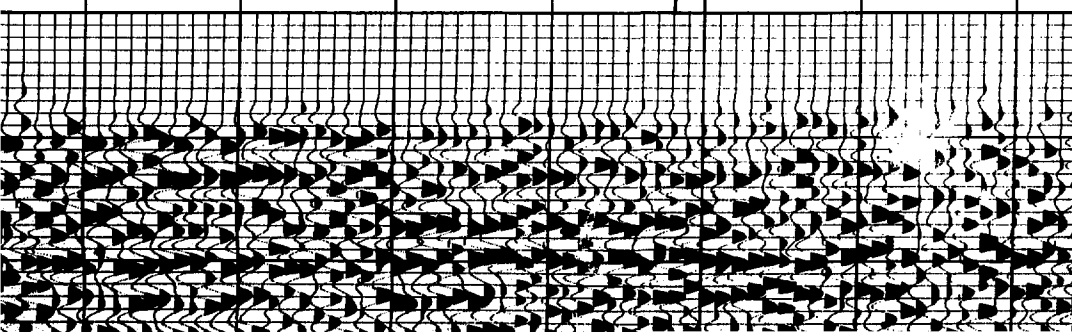
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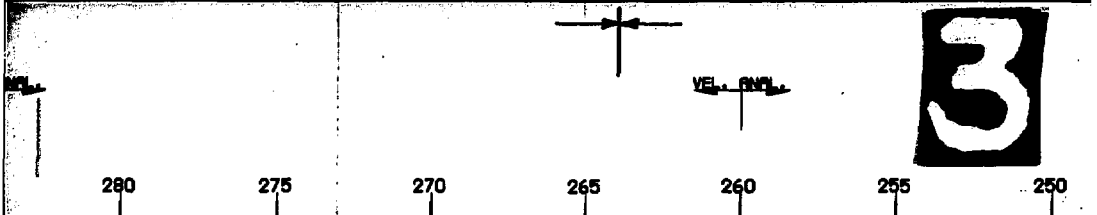
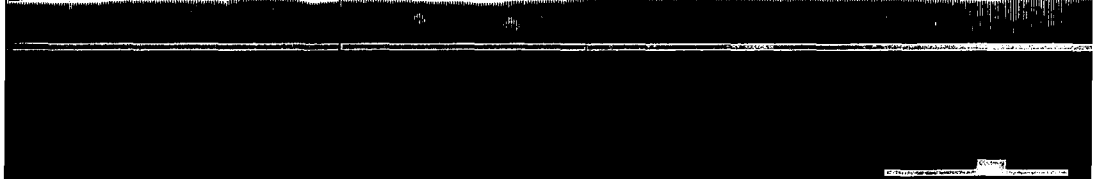
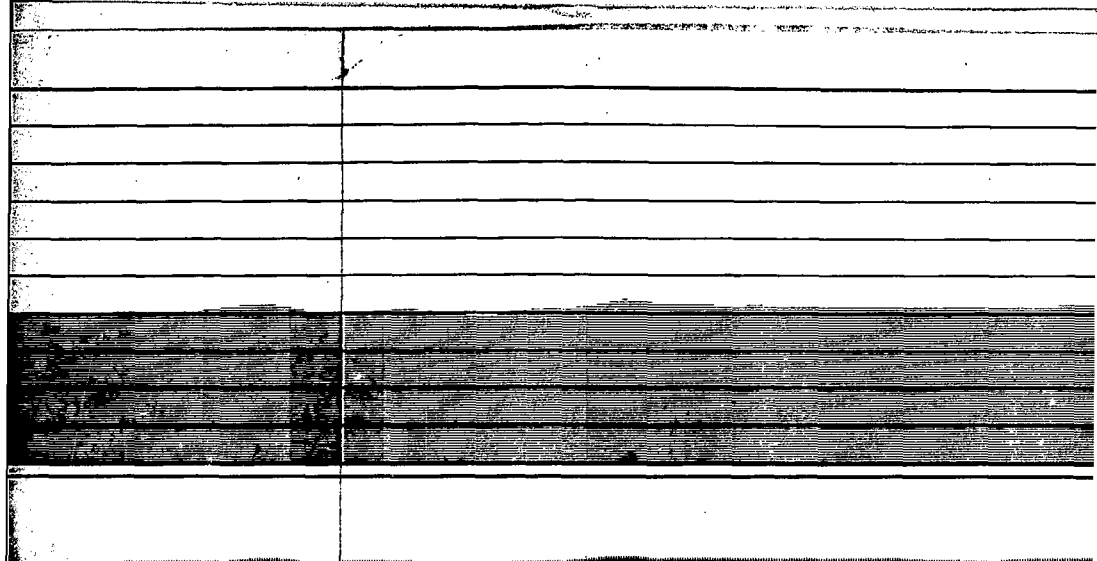
sec 32

VEL. ANGL.

LINE X3  
184

315      310      305      300      295      290      285





280

275

270

265

260

255

250

3

VE. ANL.

sec 28 & 29

VEL. INFL.

4



245

240

235

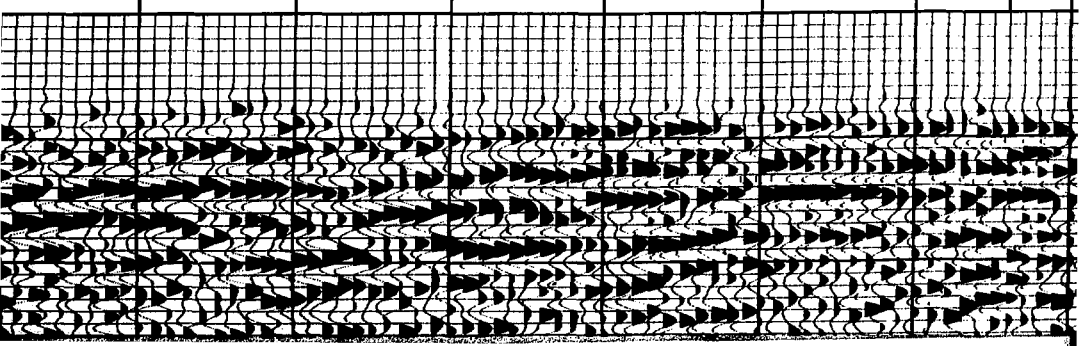
230

225

220

E RDA 9

215



sec 20 & 21

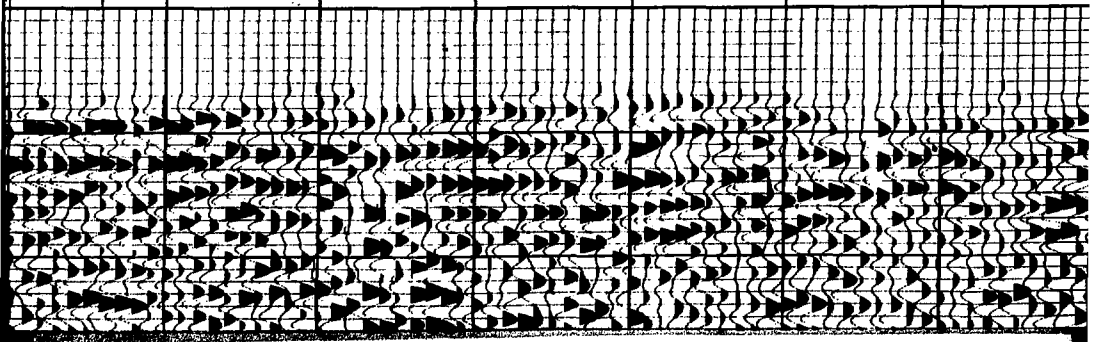
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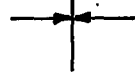
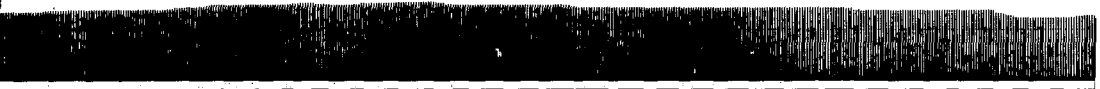
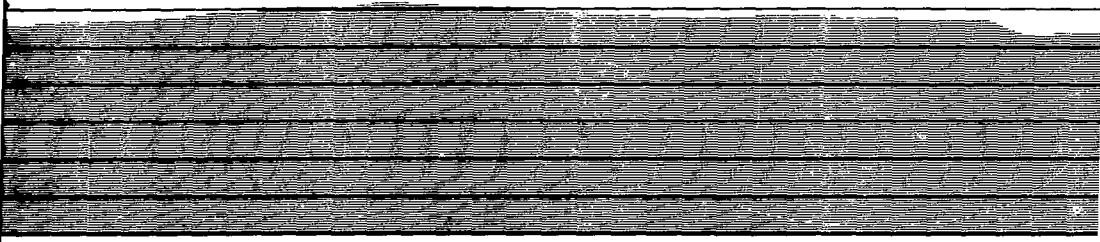
VEL. ANGL.

VEL. ANGL.

LINE X6  
215

15 210 205 200 195 190 185 1





VEL. CNFL.

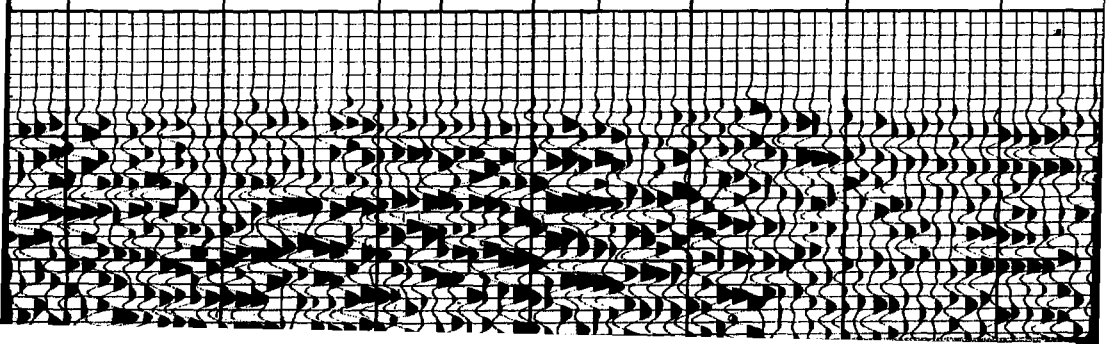
P-5

LINE X-5  
159

6

sec 17

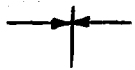
180 175 170 165 160 155 150



a 16

VEL. RNL

7



VEL. RNL

145

140

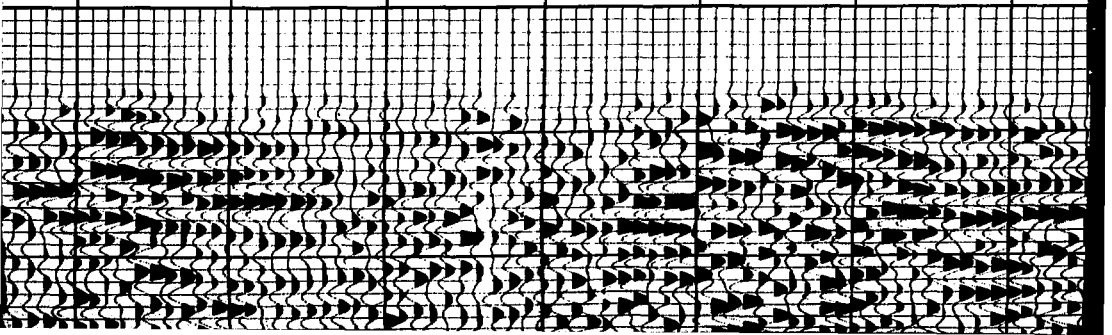
135

130

125

120

115



*SPC 8 & 9*

VEL. ANGL.

8

LINE X-1  
73

110

105

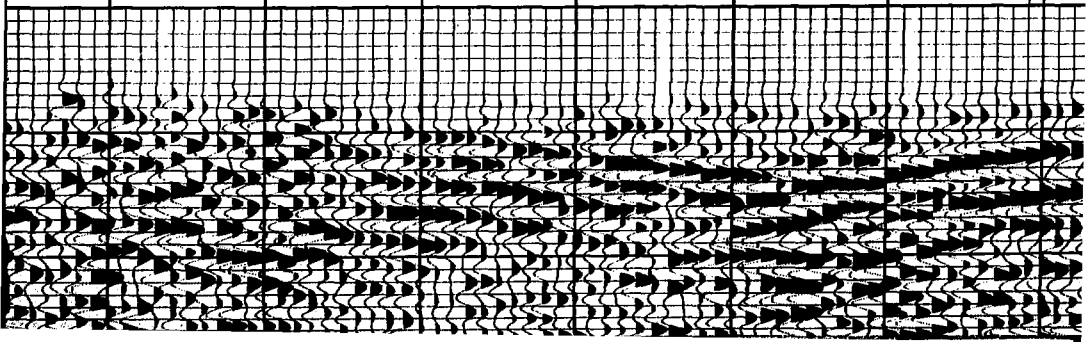
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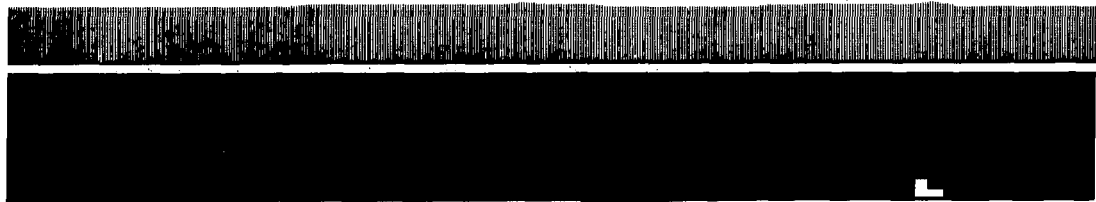
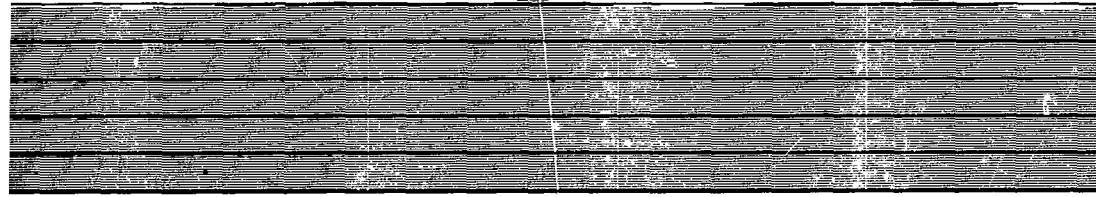
90

85

80







sec 5

9

VEL. ANGL.

VEL.

LINE X-9  
40F -1

75

70

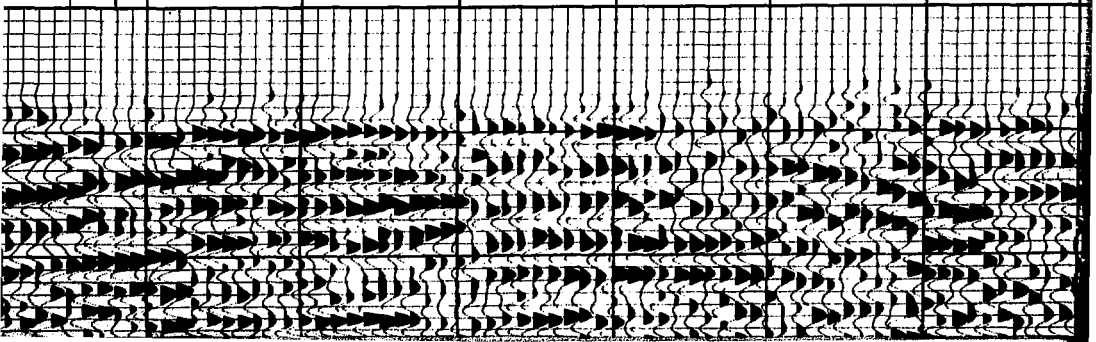
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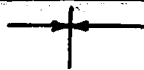
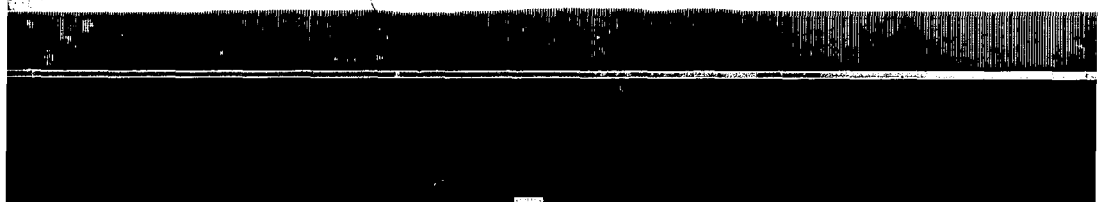
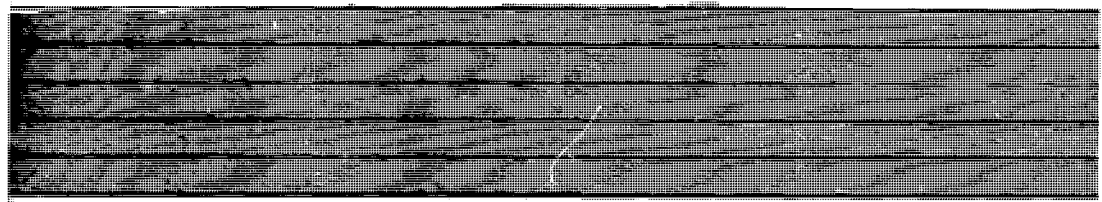
60

55

50

45





FC - 68

VEI - RVI

70  
10

VEI - RVI

45

40

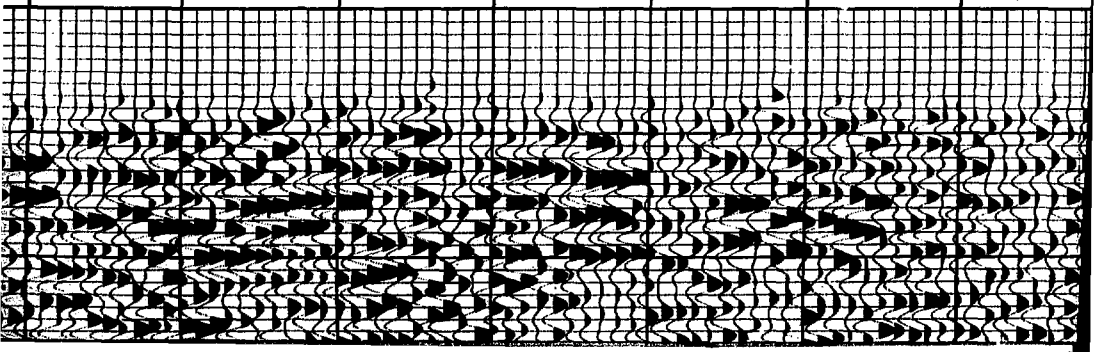
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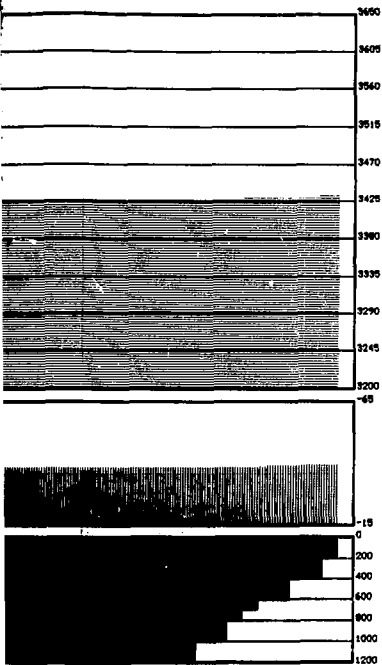
30

25

20

15





ELEVATIONS

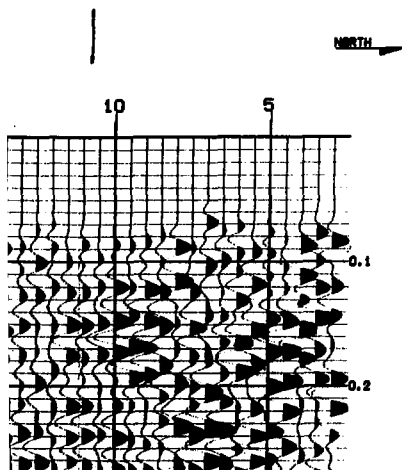
STATICS

FOLD %

LINE DIRECTION \_\_\_\_\_

VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

STATIONS



**Drummond**

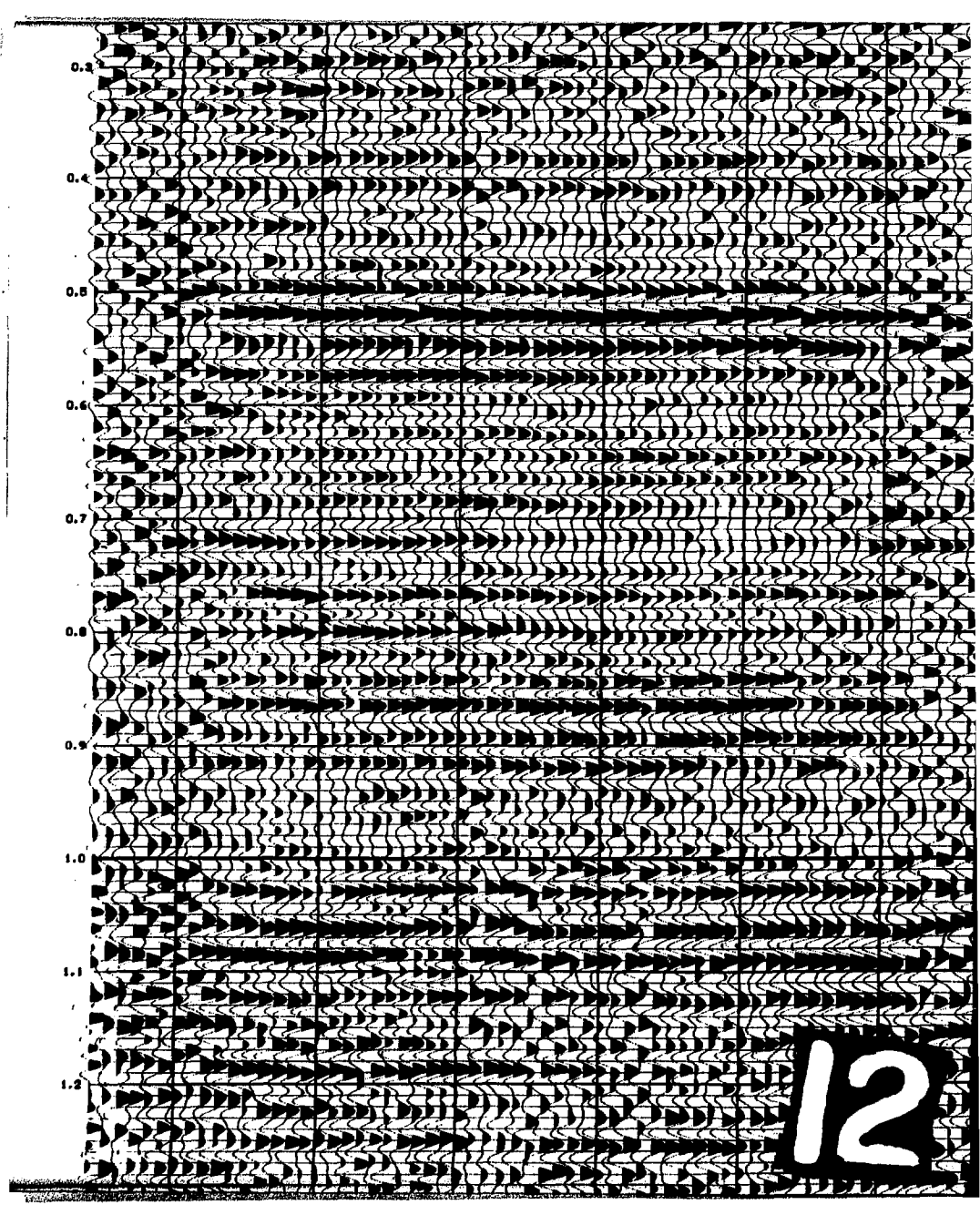
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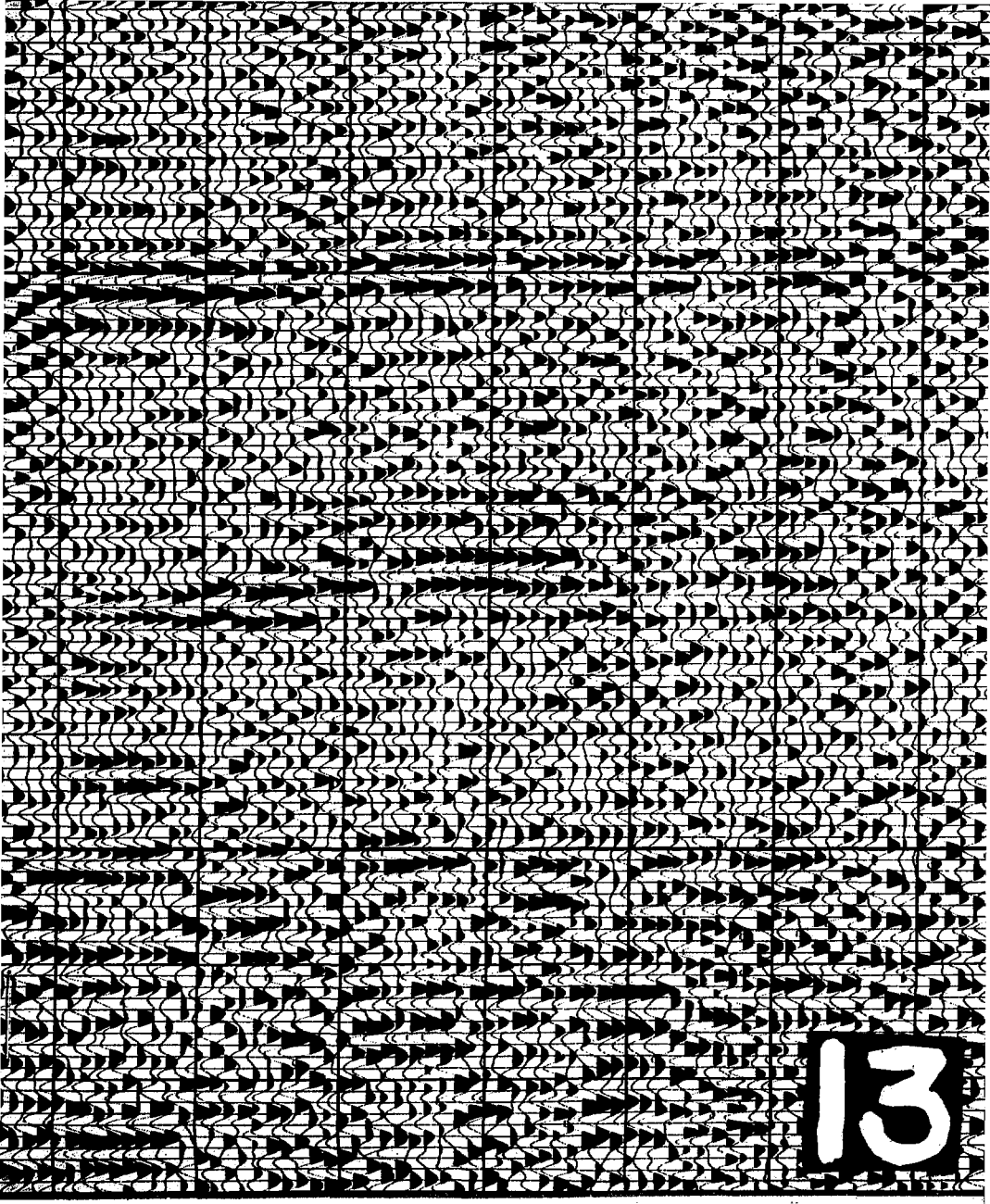
**LOS MEDANOS**

LINE X-2  
STATIONS 3-348  
SOUTHEAST NEW MEXICO

0.3  
0.4  
0.5  
0.6  
0.7  
0.8  
0.9  
1.0  
1.1  
1.2

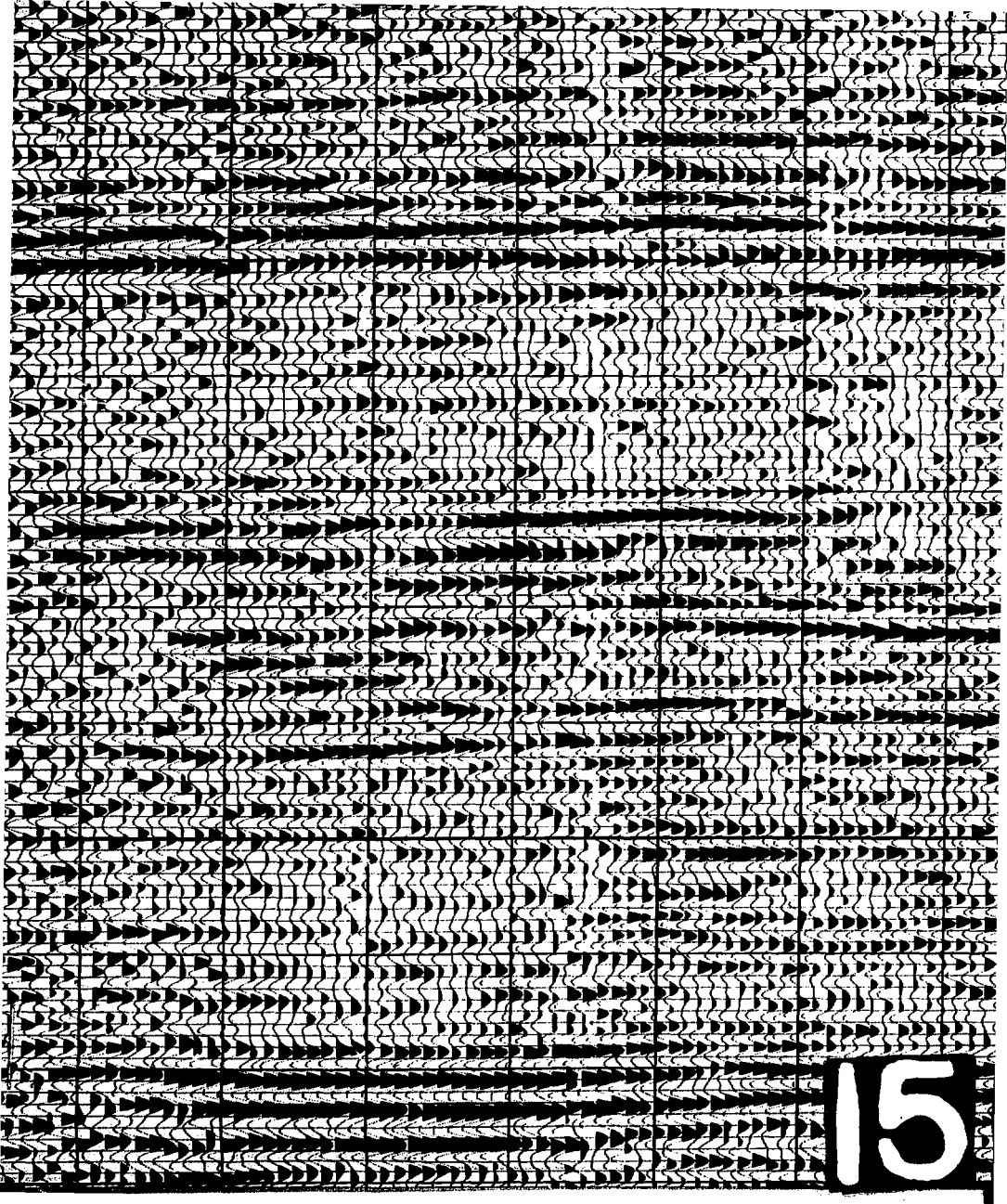
12

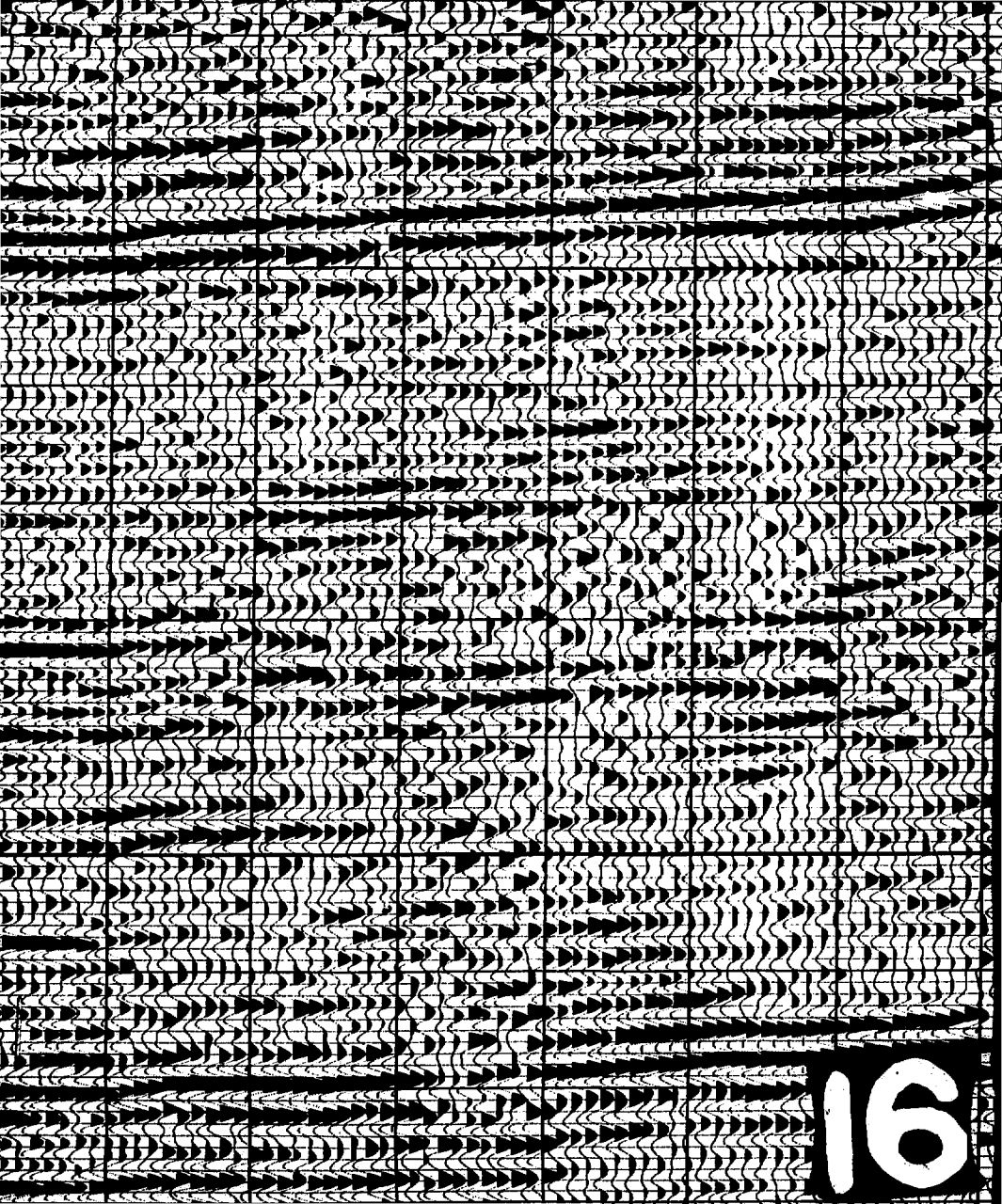




13

14









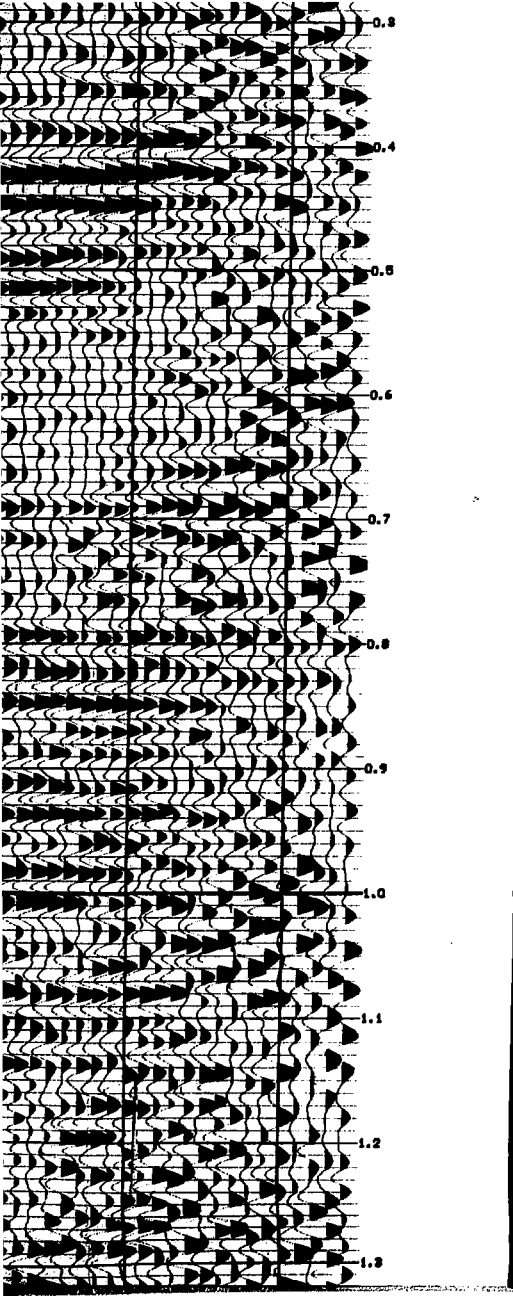






20





INPUT REEL HEADER INFORMATION

REEL NUMBER  
 DATE CREATED 10/13/77  
 NUMBER SAMPLE/TRACE 1500  
 SAMPLE RATE IN HILLS 2  
 PROCESSOR  
 LINE NUMBER X-2  
 JOB NUMBER  
 SECTION NUMBER  
 PROCESSING STEP

FIELD INFORMATION

RECORDED BY: DRESSER OLYPIC	PARTY: NO. 62
DATE: SEPTEMBER 22, 1977	FILTER: 10/36-124 HZ
INSTRUMENTS: CFS I - DFB IV	SAMPLE RATE: 2MS
STITCH FILT: IN	SOURCE: VIBROSEIS
RECORD LEN: 16 SEC.	SHEEP LEN: 12 SEC.
SHEEP FREQ: 25-100 HZ	NO/GRUOPS 24
STN INV: 110 FT.	VIB. INV: 110 FT.
GEO PER STN: 6	GEO TYPE: 6SC-200
ARRAY TYPE: INLINE	TYPE COVER: 1200 PCHT

PROCESSING SEQUENCE

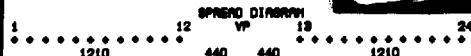
PROCESSED BY DRESSER OLYPIC

STATICS COMPUTATION

DATUM: 3200 FT.  
 VIB: 6000 FT/SEC.

- 1) DEMULTIPLY
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT MATTERS
- 5) DECONVOLUTION  
 OPERATOR LENGTH=140 HILLS  
 PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-3.0 SEC. 25-80 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMO
- 10) FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 POLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-3.0 SEC. 25-80 HZ
- 13) DIGITAL AGC
- 14) DISPLAY  
 8 TR/IN  
 10 IN/SEC.

22



\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN 200  
 HORIZONTAL SCALE 8. TR/IN  
 VERTICAL SCALE 10. IN/SEC  
 FILMING DIRECTION R/L  
 PERCENT BAR 0  
 BLACK+8

1.3

1.4

1.5

1.6

1.7

1.8

1.9

2.0

2.1

2.2

23



24













29



30

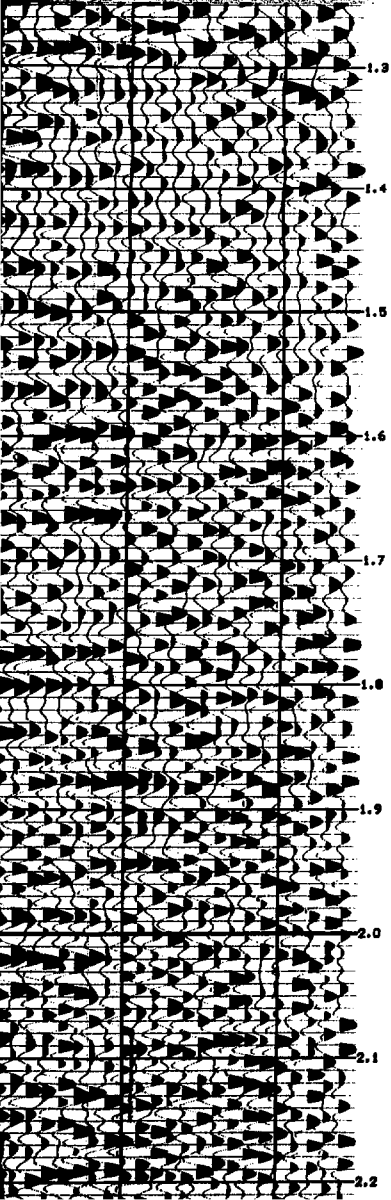




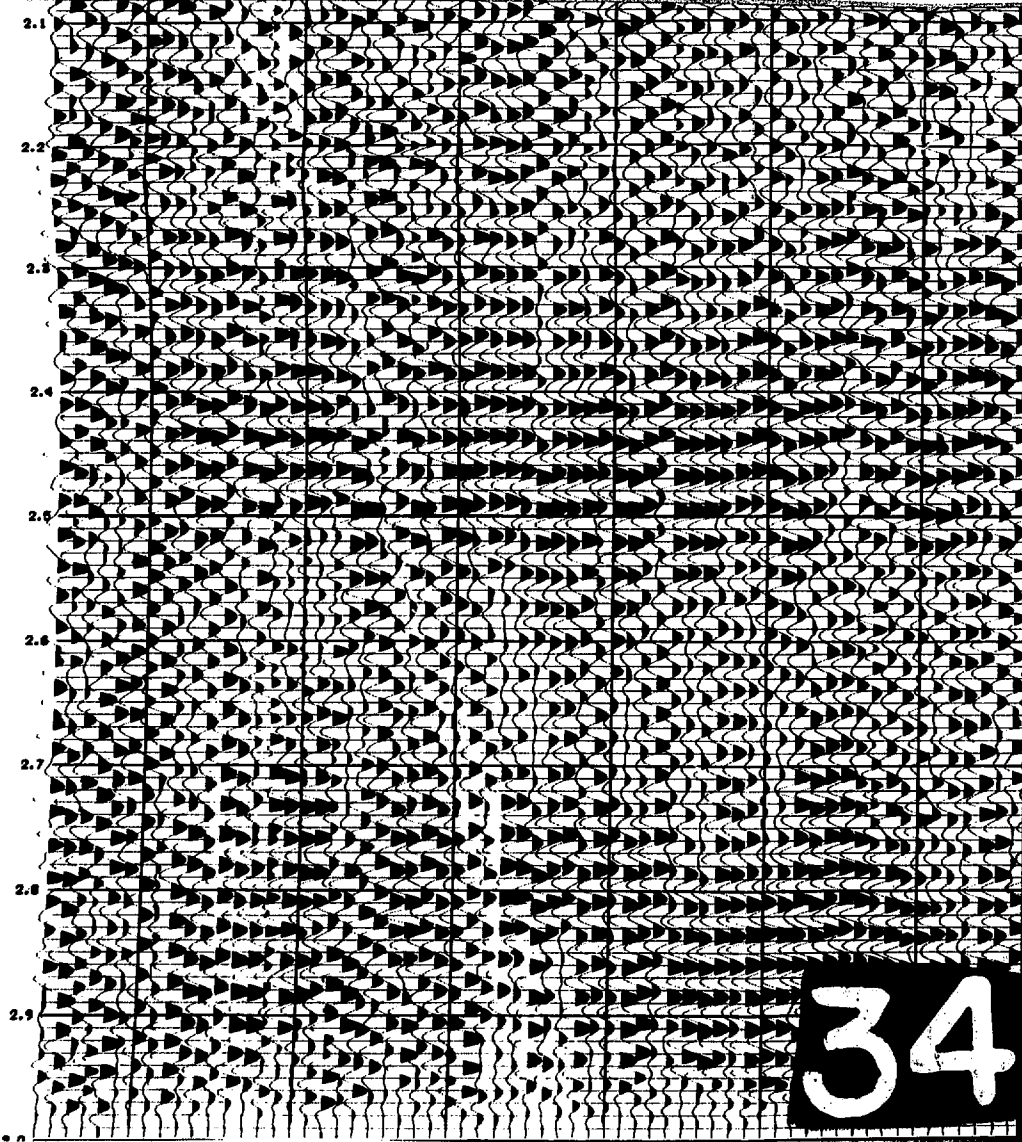


PERCENT GRAIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION R/L  
PERCENT DARK 2  
POLARITY BLACK+VE

\*\*\*\*\*  
DATA PROVIDED BY  
GENERAL ELECTRIC  
\*\*\*\*\*



33



34



35



36



37



38



39

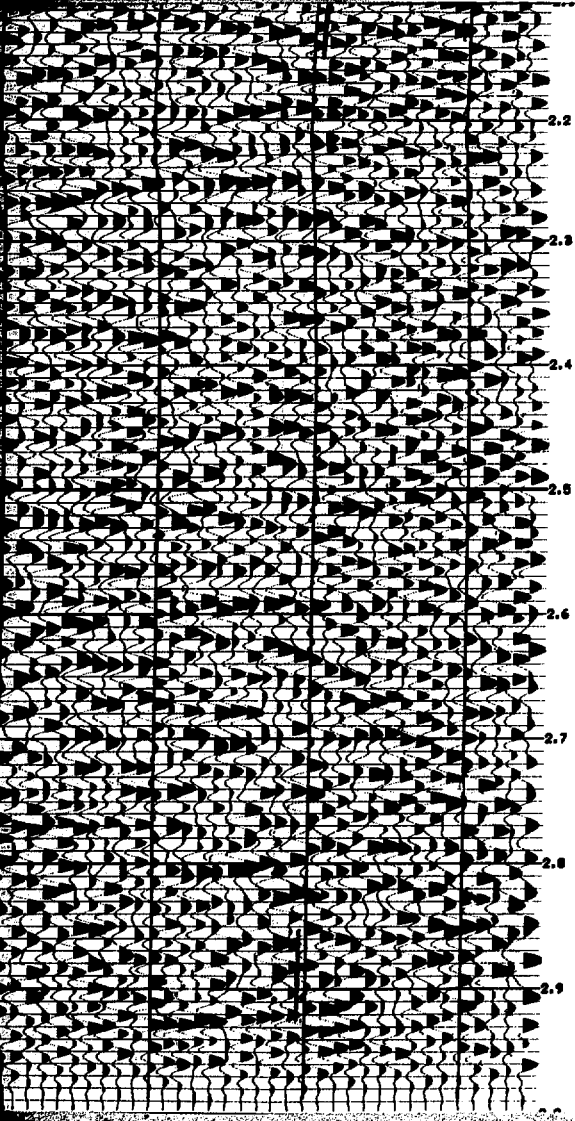
40



41

42

43



44



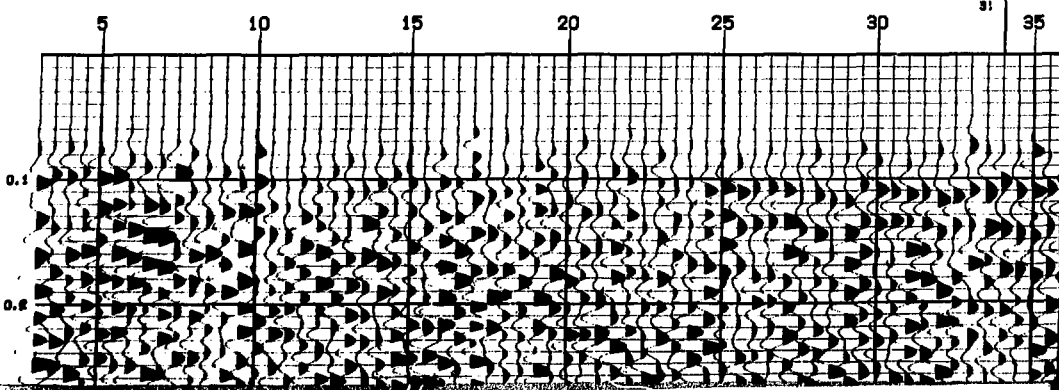
sec 25

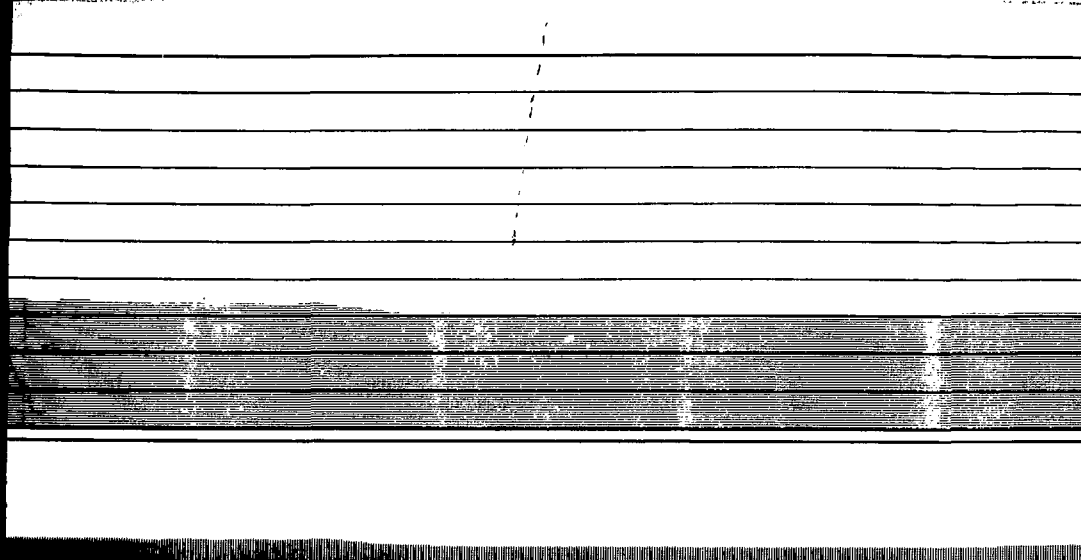
SEC  
24

VEL. RVD.

SOUTHWEST

LINE X4





VEL. ANGL.

sec 30

2



VEL. ANGL.

40

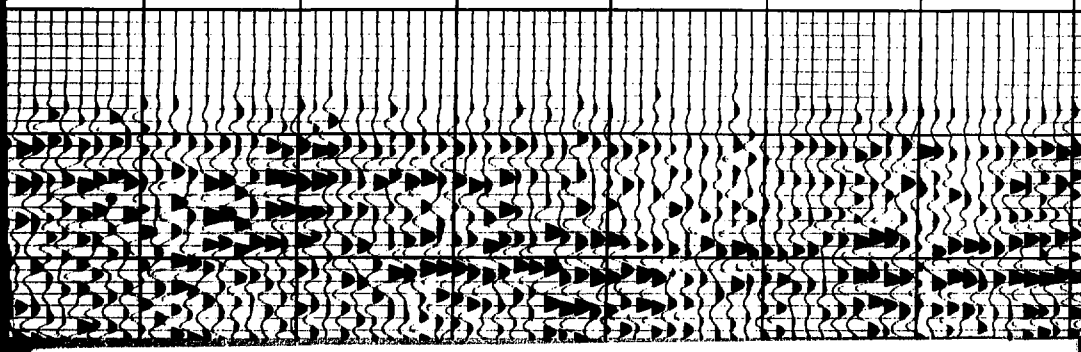
45

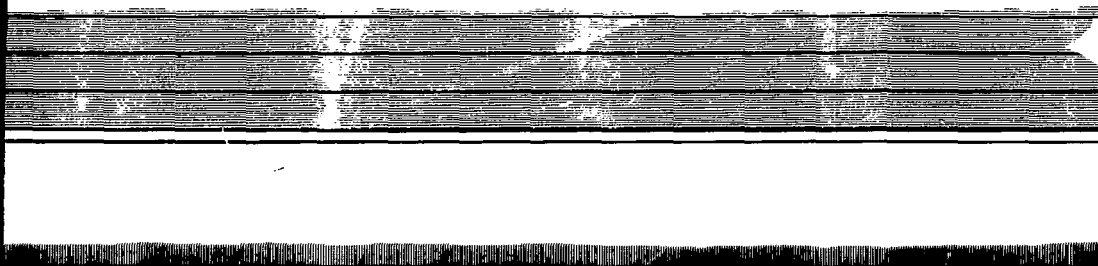
50

60

65

70





3

sec 29

VEL. DM

F-1

LINE 3A

75

80

45

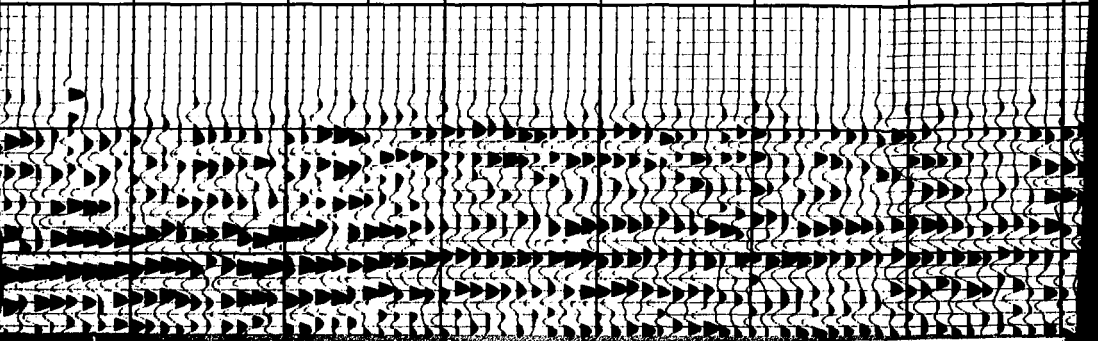
85

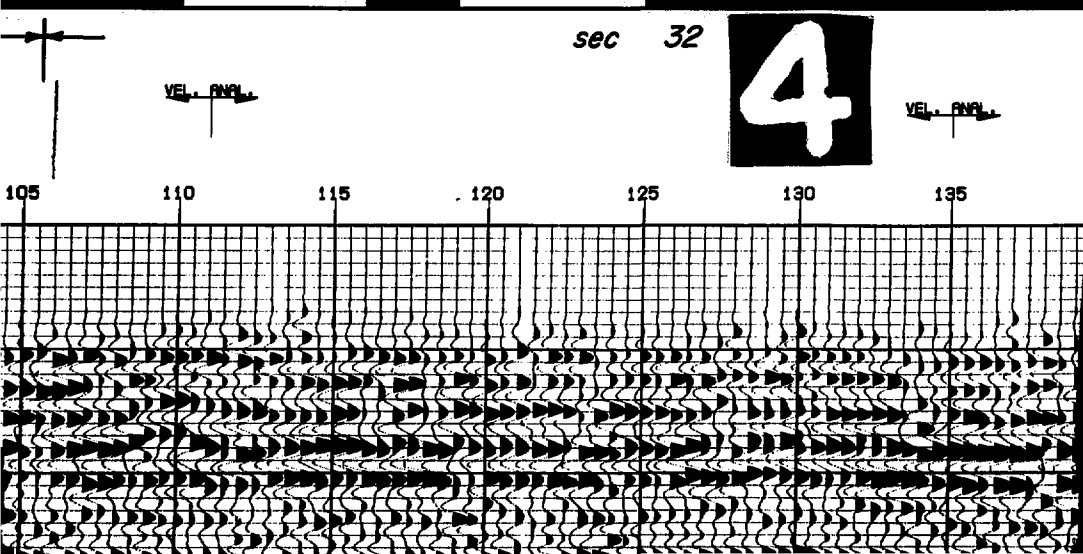
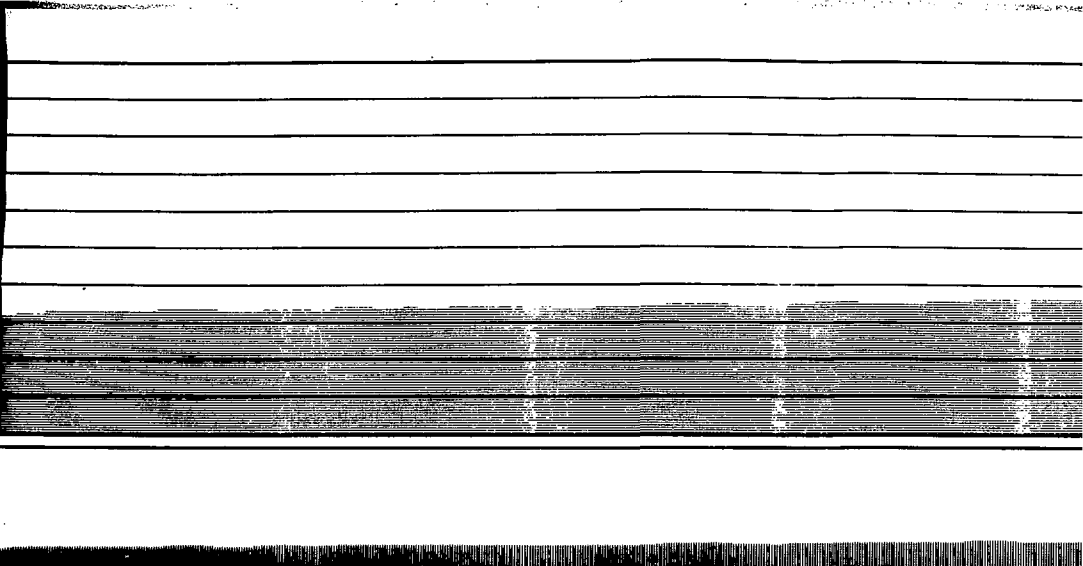
90

95

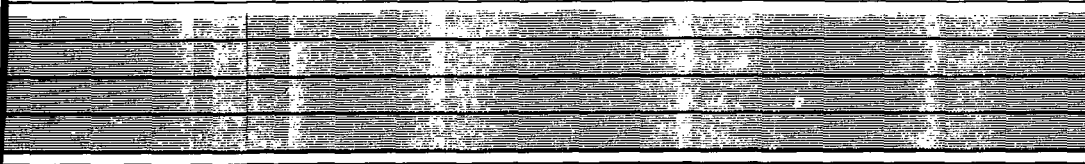
100

105









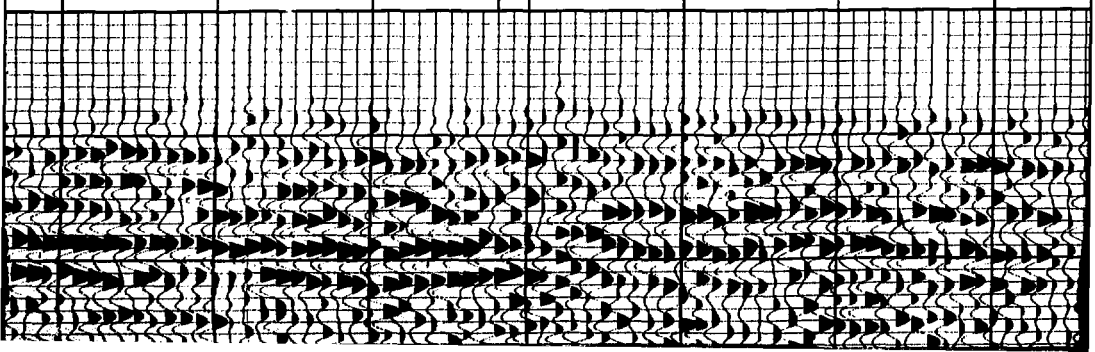
VEL. ANPL

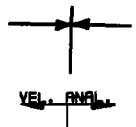
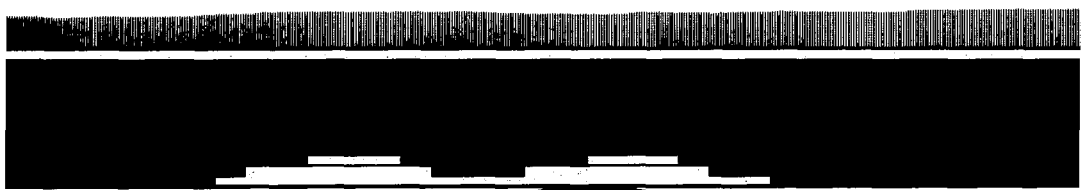
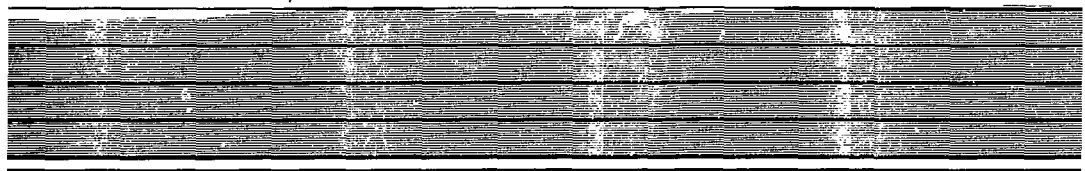


sec 33

LINE X-2

140 145 150 155 160 165 170



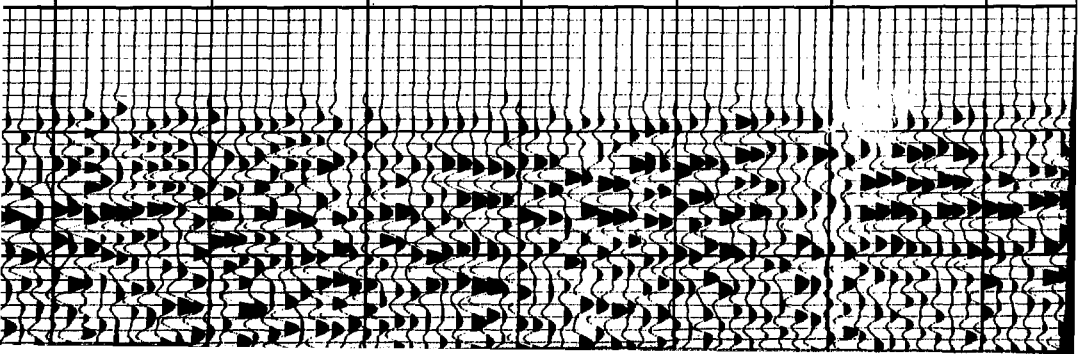


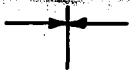
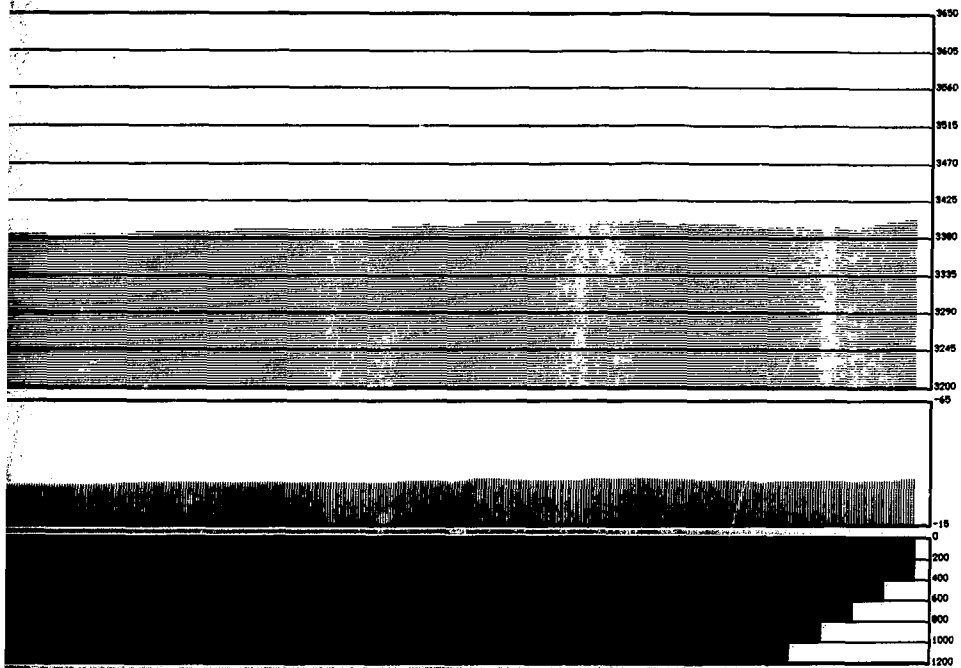
6

sec 4



175      180      185      190      195      200      205



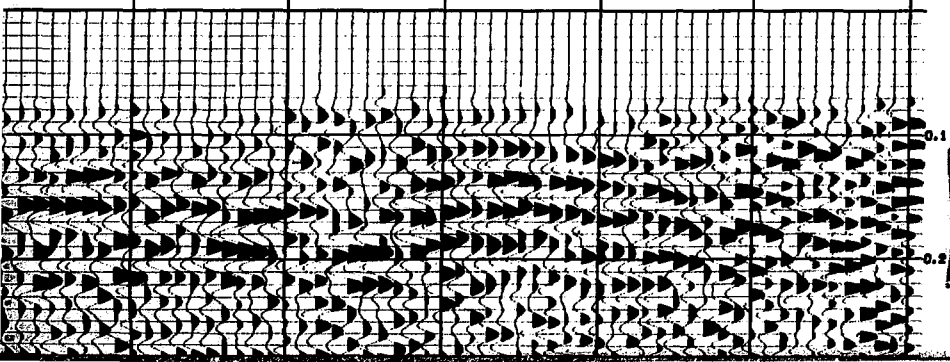


sec 3

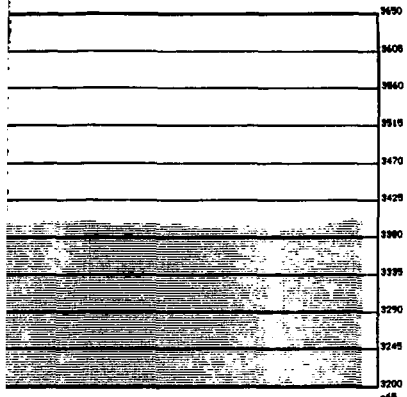
E. NW 1/4

UNIT 7

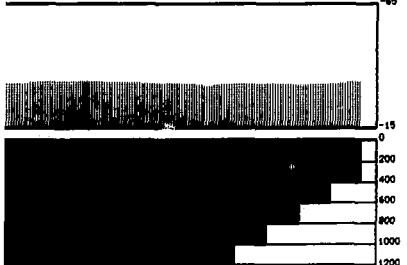
210                      215                      220                      225                      230                      235



7



ELEVATIONS



STATICS

FOLD %

sec 3

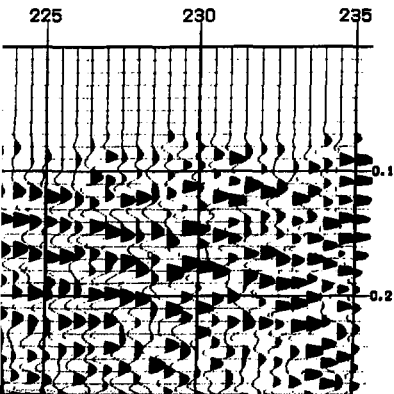
LINE DIRECTION



VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

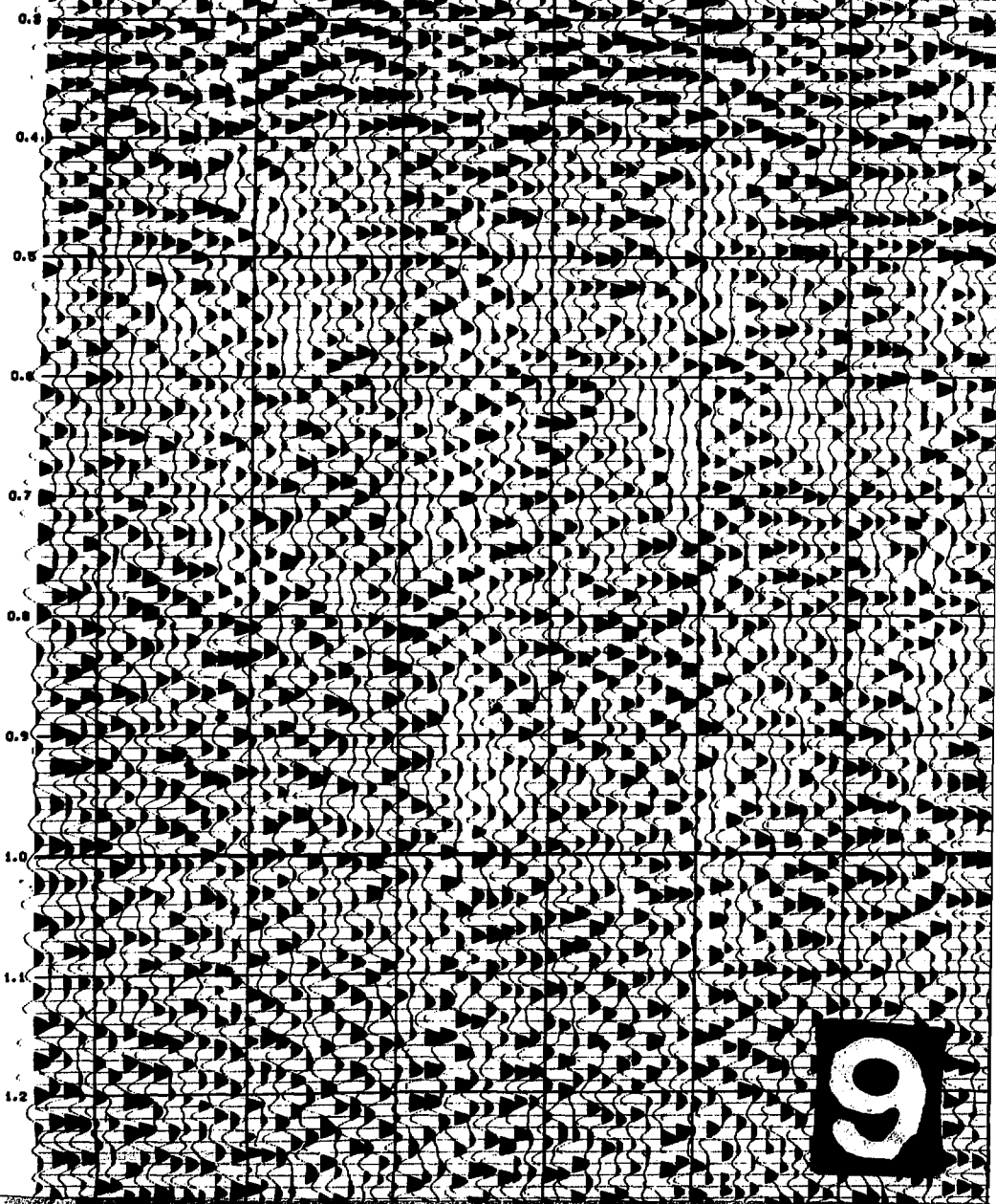
SOUTHEAST

STATIONS

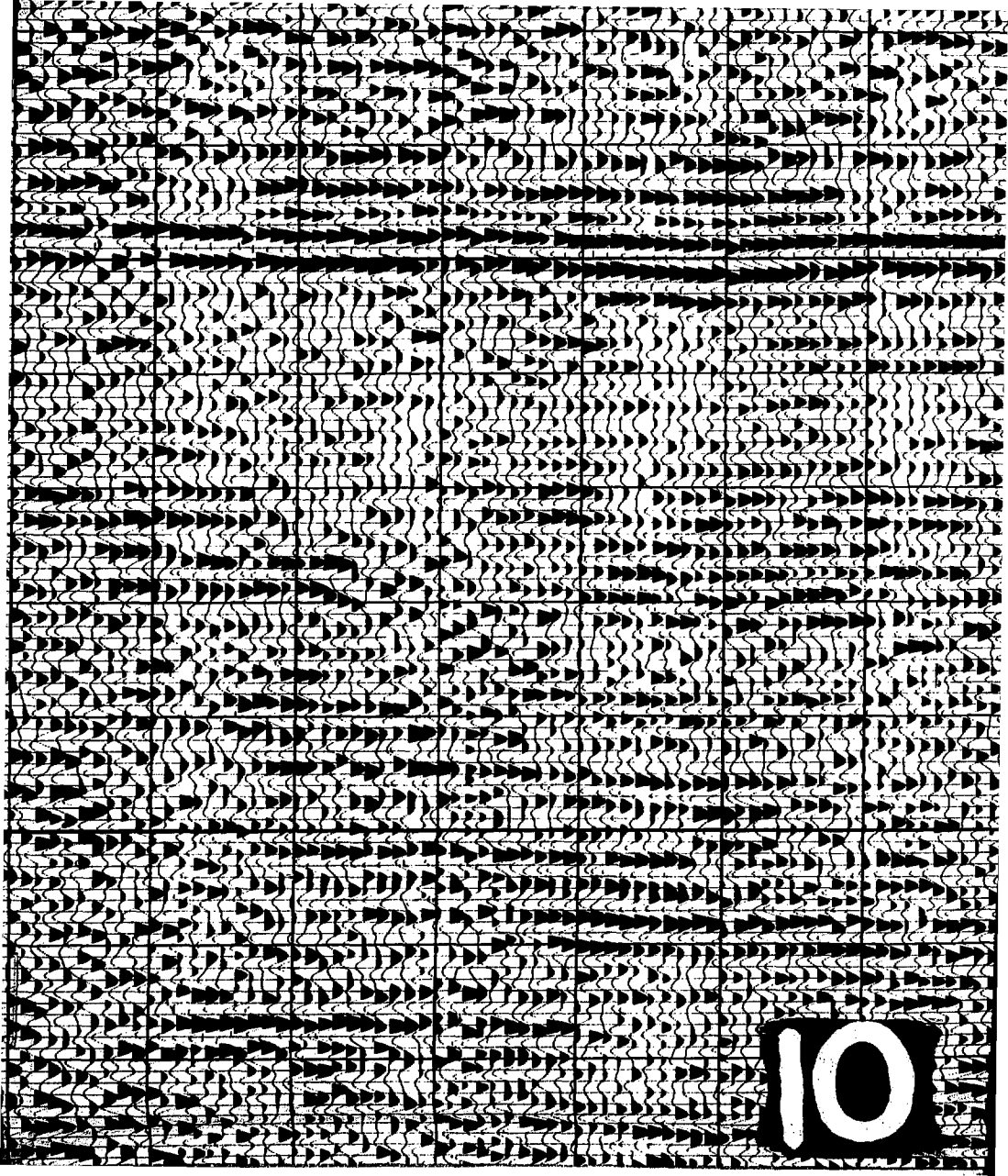


LOS MEDANOS

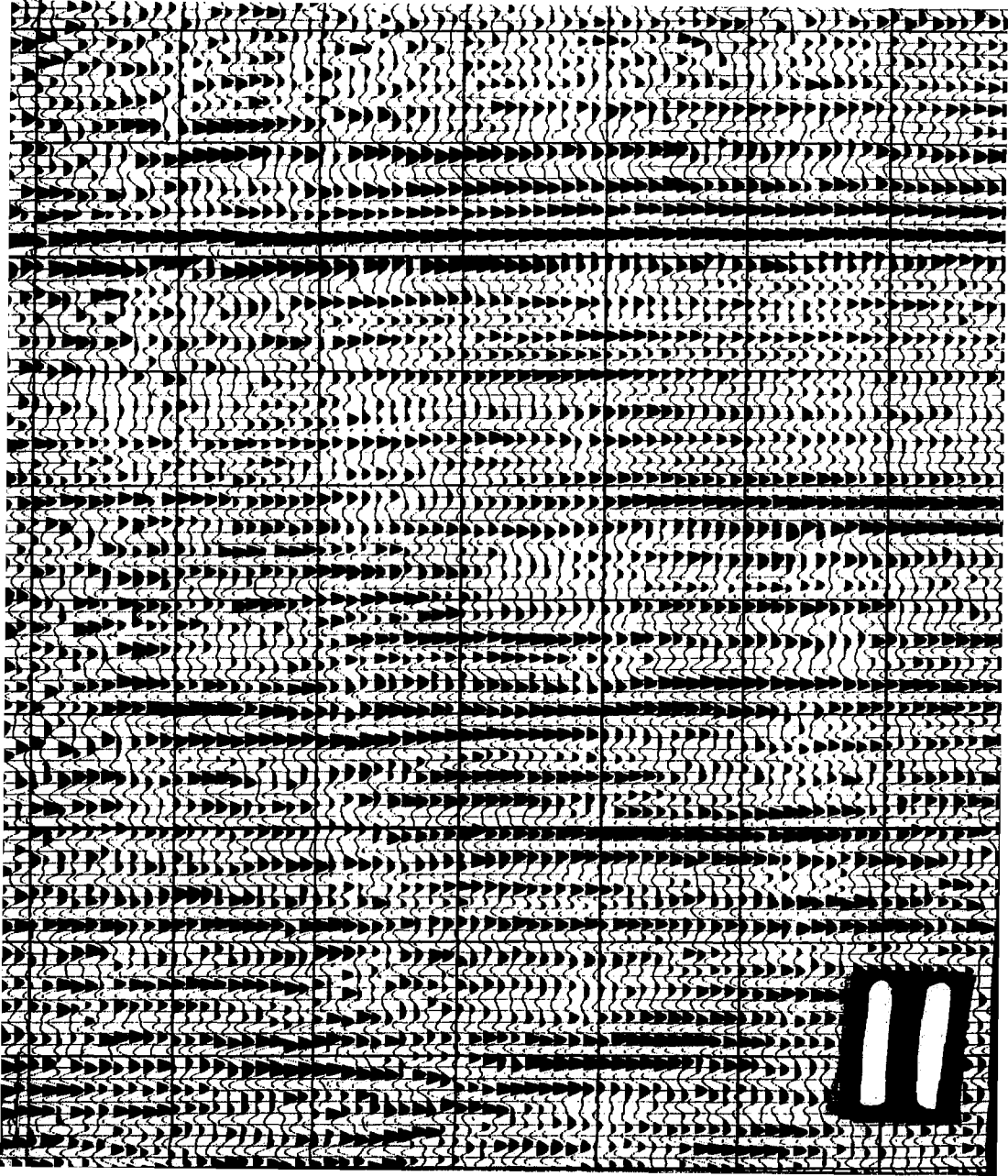
LINE X-3  
STATIONS 3-235  
SOUTHEAST NEW MEXICO



9



10

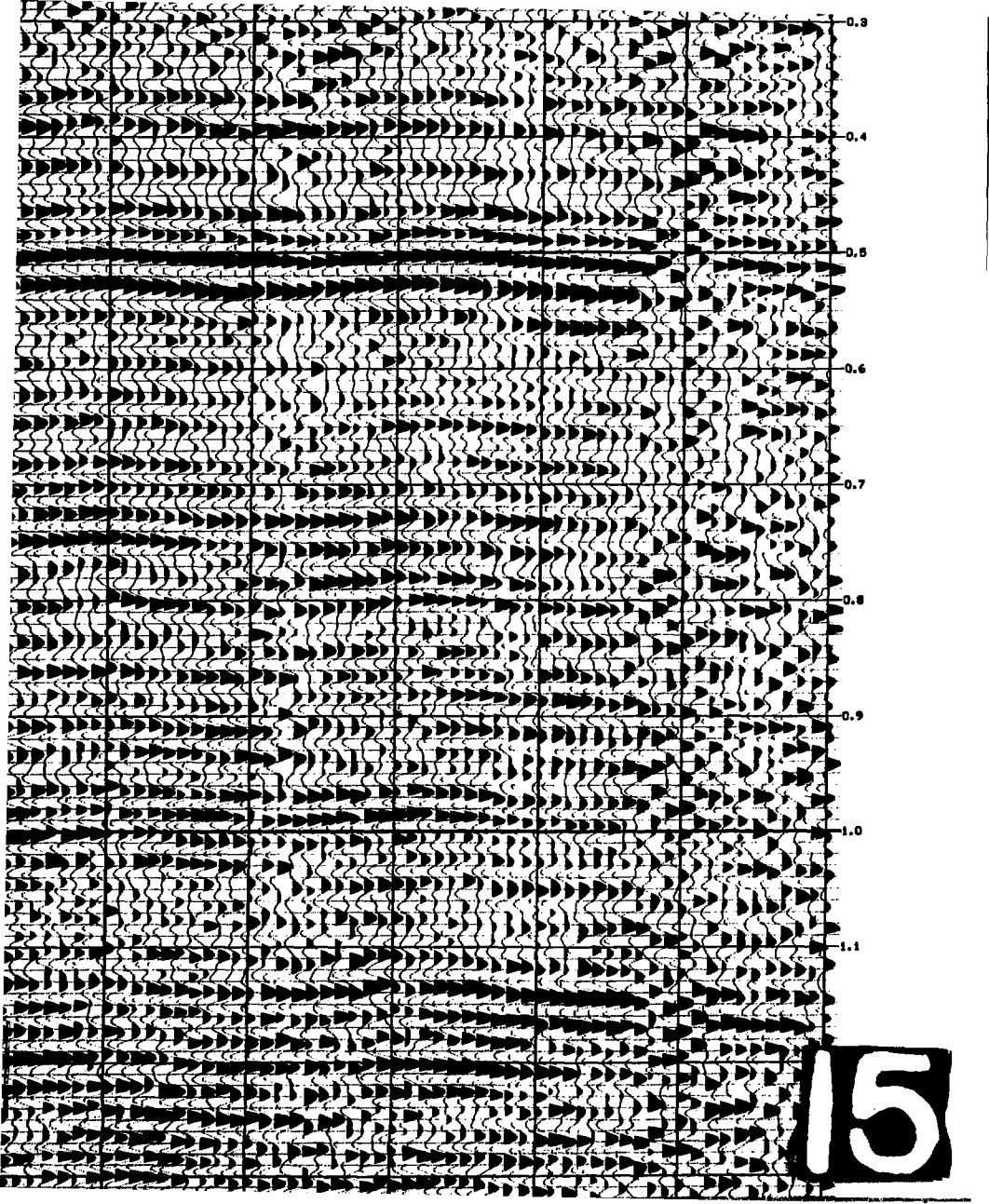


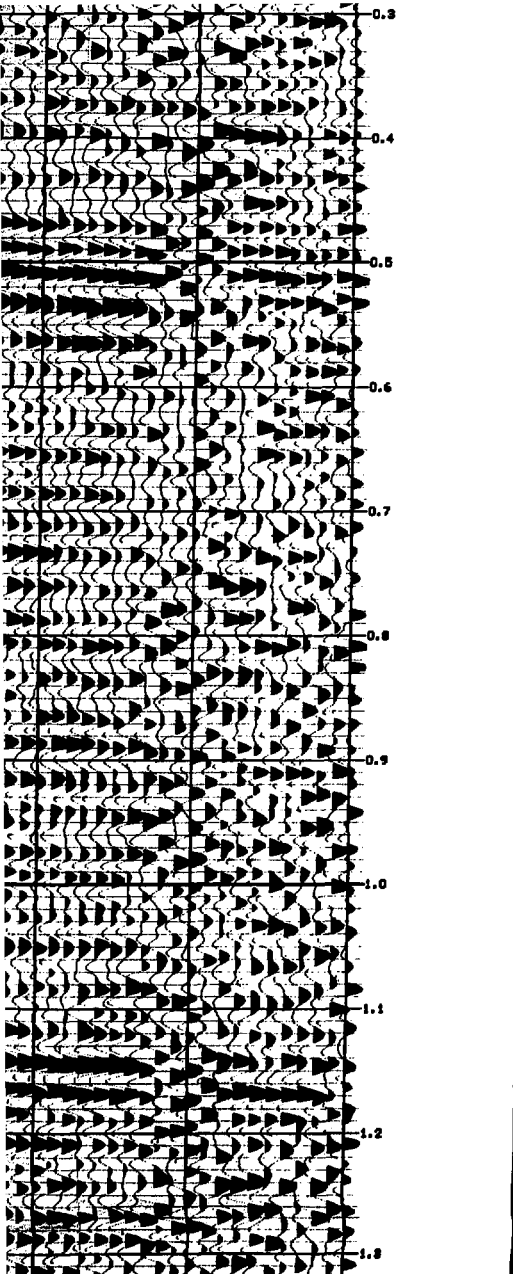




13







INPUT REEL HEADER INFORMATION

REEL NUMBER  
 DATE CREATED 11/16/77  
 NUMBER SAMPLES/TRACE 1000  
 SAMPLE RATE IN HILLS 2  
 PROCESSOR  
 LINE NUMBER X-3  
 JOB NUMBER  
 SECTION NUMBER  
 PROCESSING STEP

FIELD INFORMATION

RECORDED BY: DRESSER OLYMPIC	PARTY:	NO. 62
DATE: OCTOBER 27, 1977	FILTER:	10/26-124 HZ
INSTRUMENTS: CFS I - DFG IV	SAMPLE RATE:	200
NOTCH FILTER: IN	SOURCE:	VIBROSEIS
RECORD LEN: 16 SEC.	SHEEP LEN:	12 SEC.
SHEEP FREQ: 25-100 HZ	NO/SAMPLES:	24
STN INV: 110 FT.	VIB. INV:	110 FT.
SES PER STN: 6	SES TYPE:	6SC-200
ARRAY TYPE: INLINE	TYPE COVER:	1200 PCHT

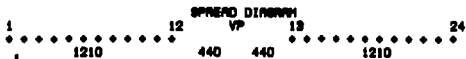
PROCESSING SEQUENCE

PROCESSED BY DRESSER OLYMPIC

STATICS COMPUTATION  
 DATUM: 3200 FT.  
 VIB: 6000 FT/SEC.

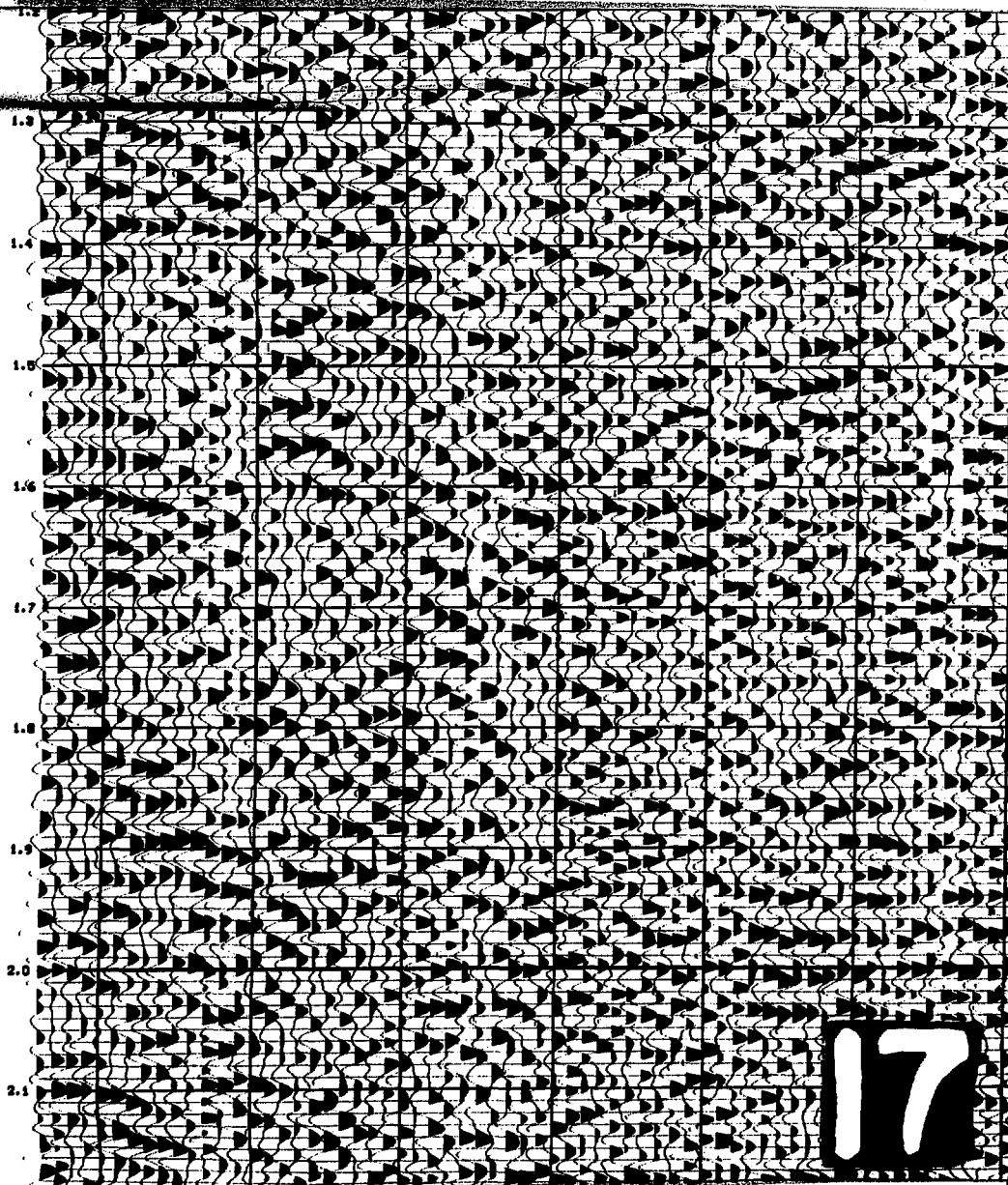
- 1) DEMULTIPLEX
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT GATHERS
- 5) DECONVOLUTION  
 OPERATOR LENGTH=140 MILS  
 PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-3.0 SEC. 25-80 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMO
- 10) FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-3.0 SEC. 25-80 HZ
- 13) DIGITAL ABC
- 14) DISPLAY  
 8 TR/IN  
 10 IN/SEC.

16

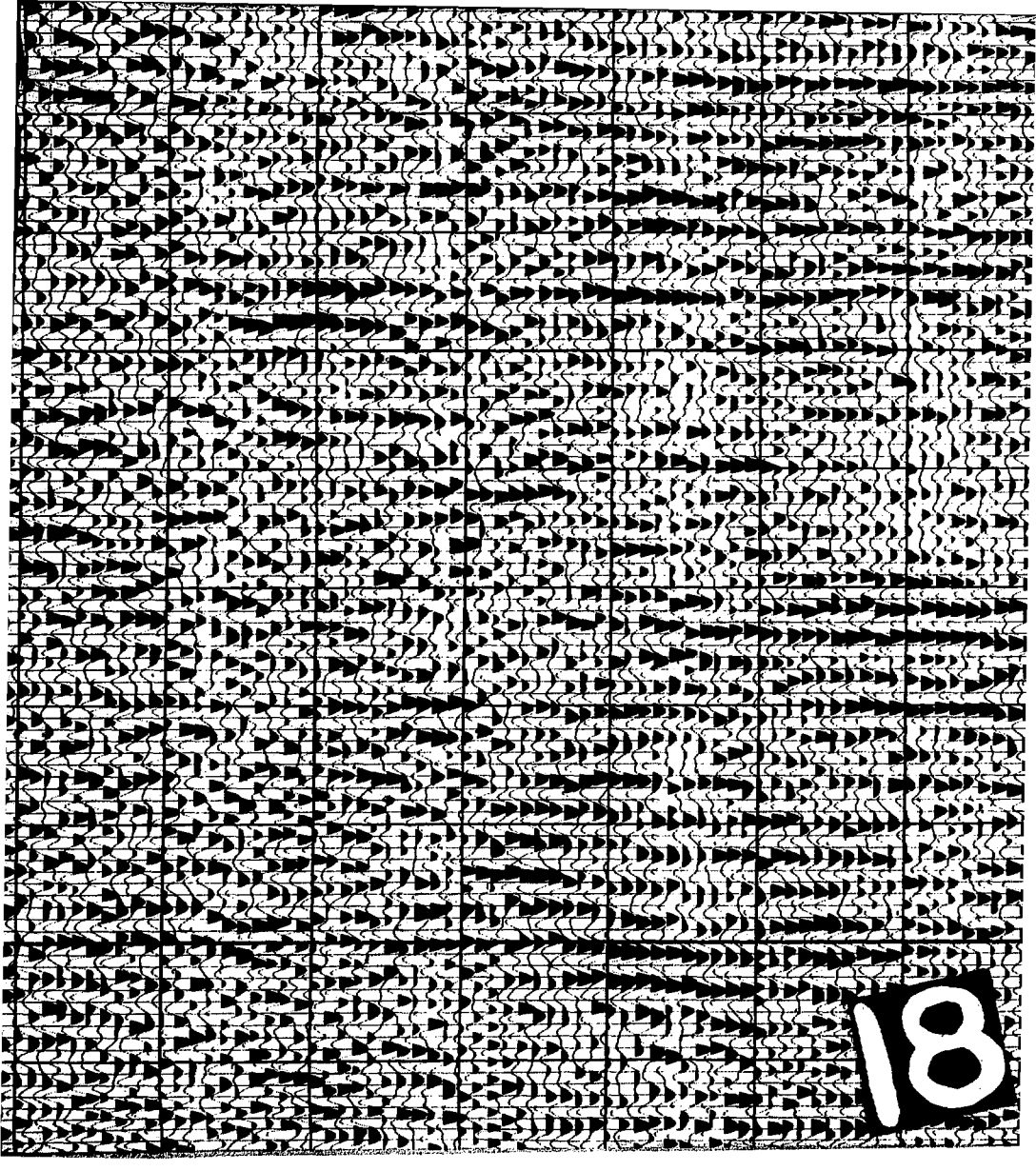


\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN 200  
 HORIZONTAL SCALE 8. TR/IN  
 VERTICAL SCALE 10. IN/SEC  
 FILMING DIRECTION L/R  
 POLARITY BLACK/WHITE



17

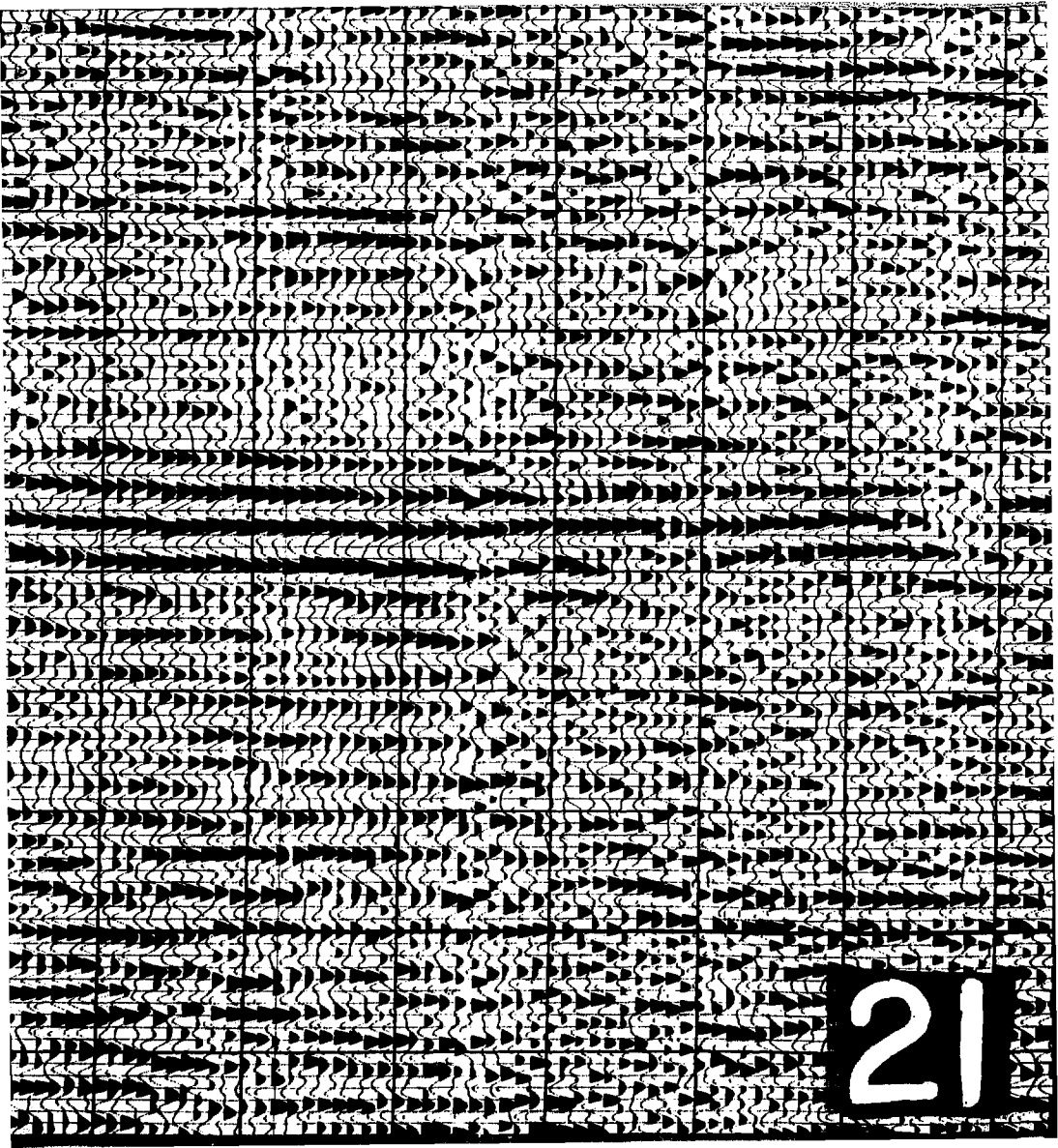


18



20

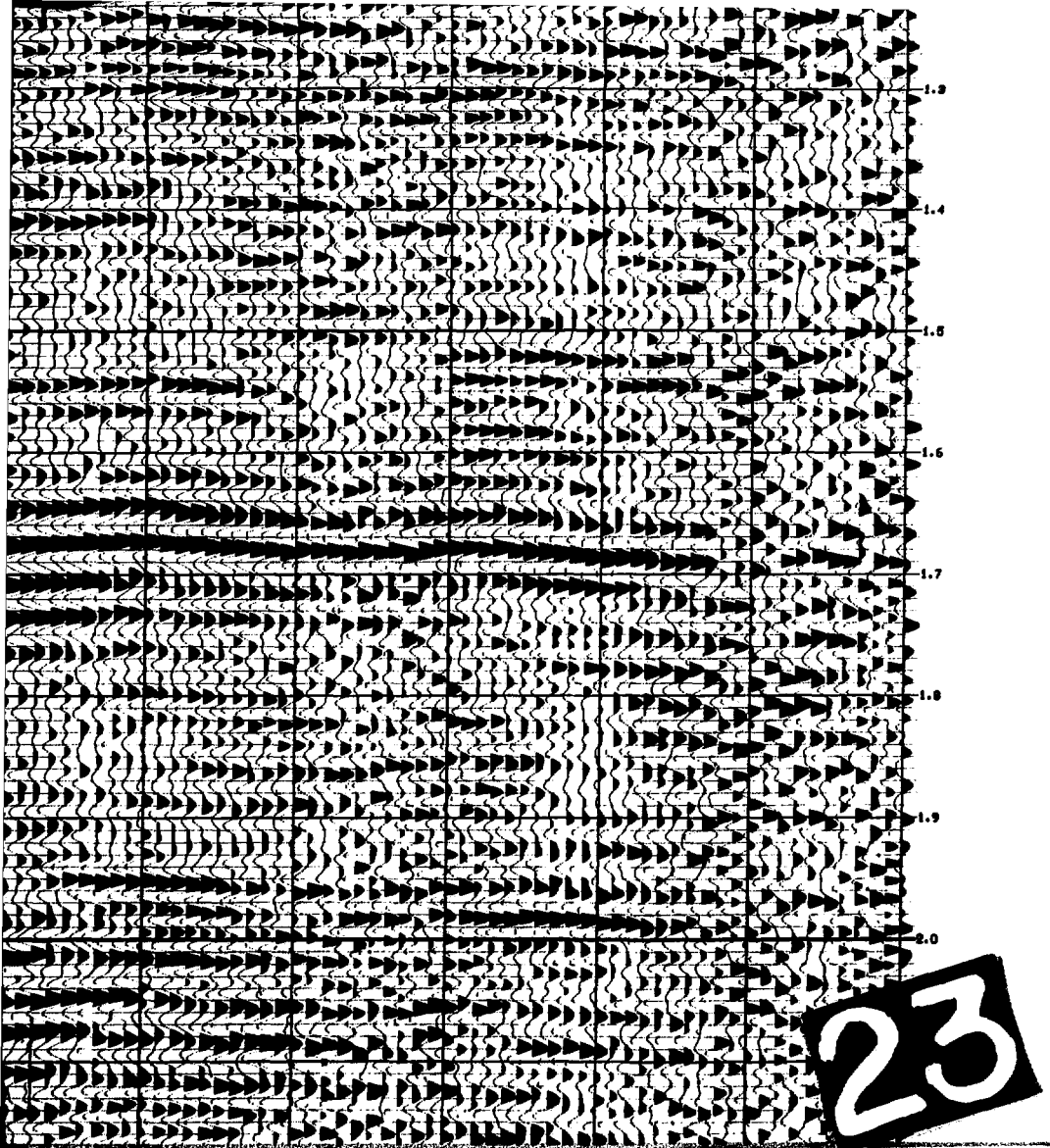




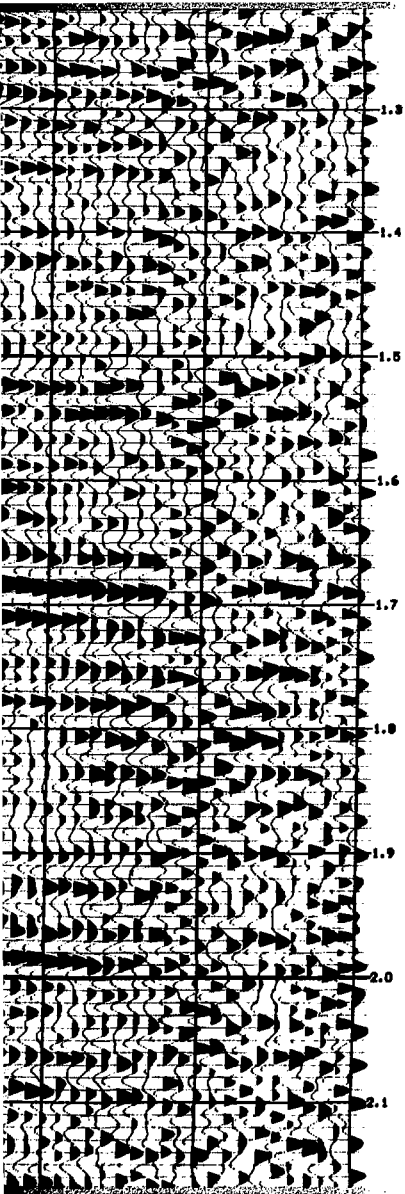
21



22



23



1.3  
1.4  
1.5  
1.6  
1.7  
1.8  
1.9  
2.0  
2.1

\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN	200
HORIZONTAL SCALE	8. TR/IN
VERTICAL SCALE	10. IN/SEC
FILM DIRECTION	L/R
PERCENT BAR	0
POLARITY	BLACK+VE

\*\*\*\*\*  
DATA PROCESSED BY  
LABORATORY  
\*\*\*\*\*

24

2.2  
2.3  
2.4  
2.5  
2.6  
2.7  
2.8  
2.9

25



26

27



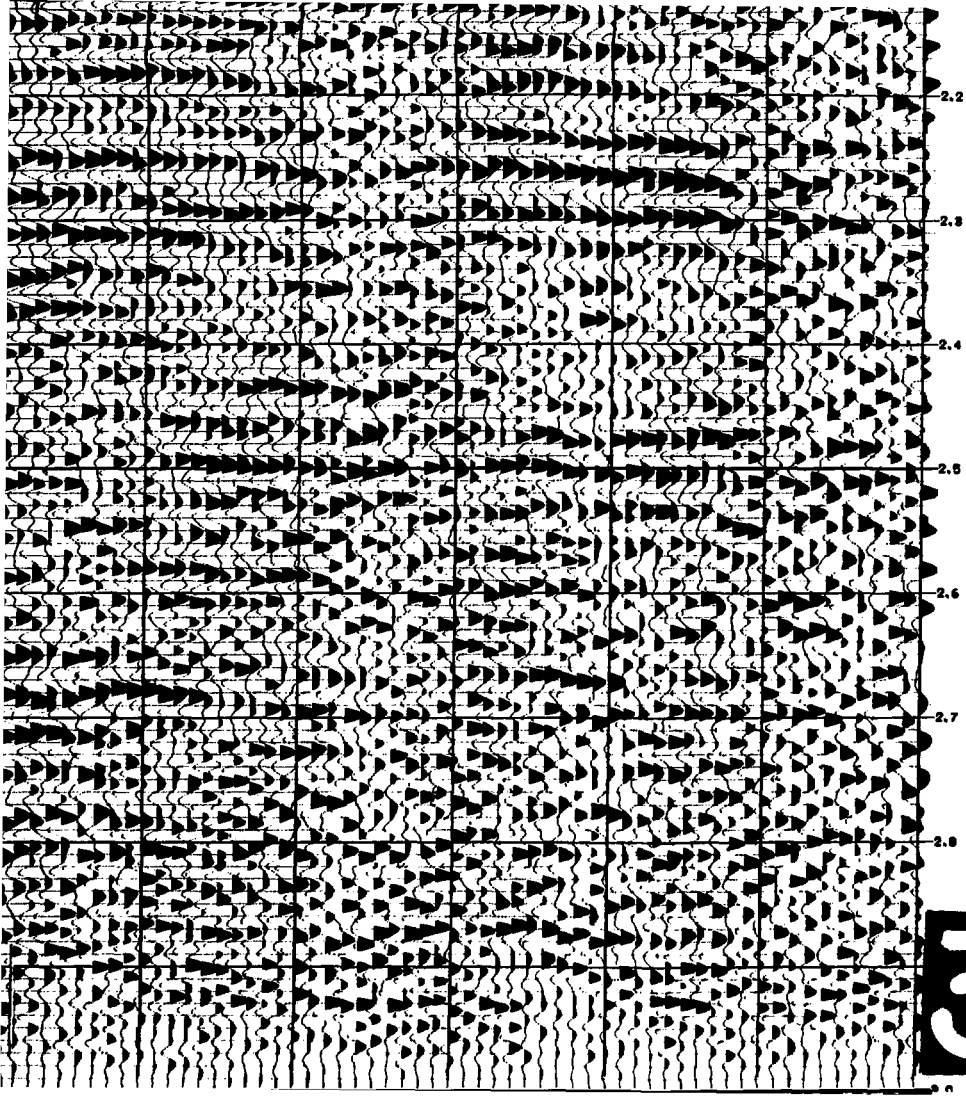
28



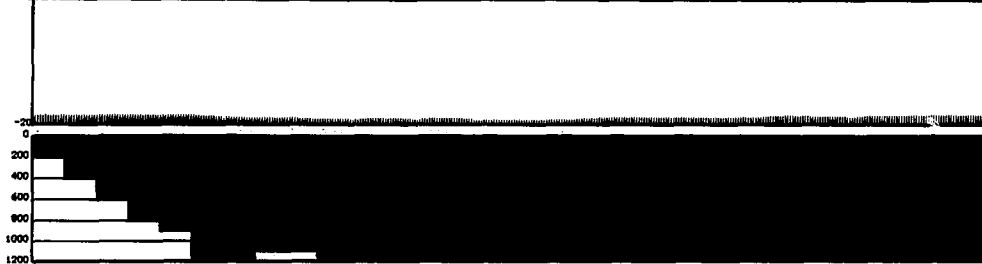




30



31



sec 25



sec 30

VEL. ANPL.

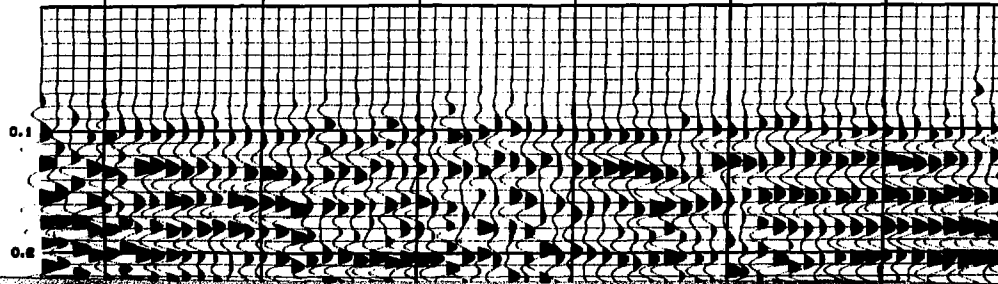
VEL. ANPL.

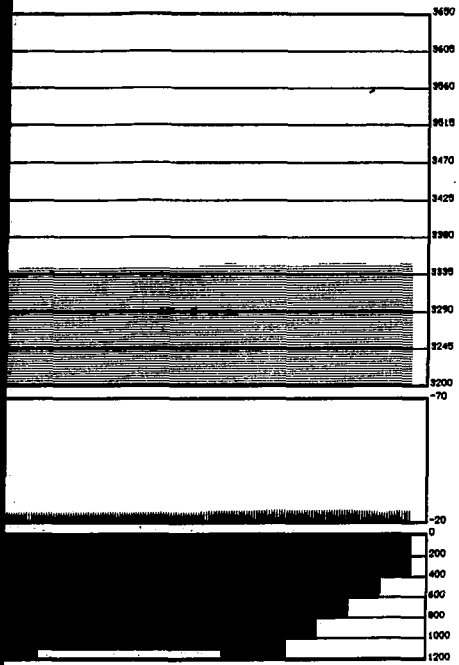


LINE X 4  
1.8

EAST

5 10 15 20 25 30





ELEVATIONS

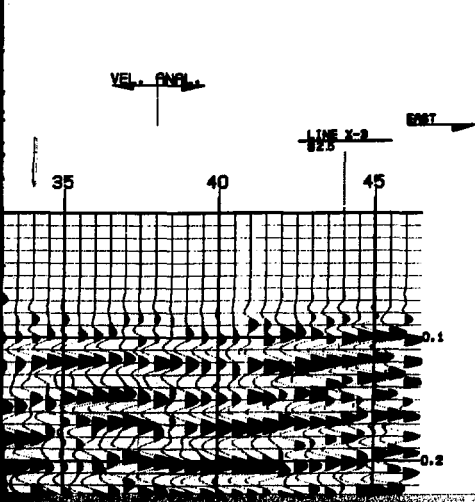
STATICS

FOLD %

LINE DIRECTION

**2**

VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION



STATIONS

**Dynascan**

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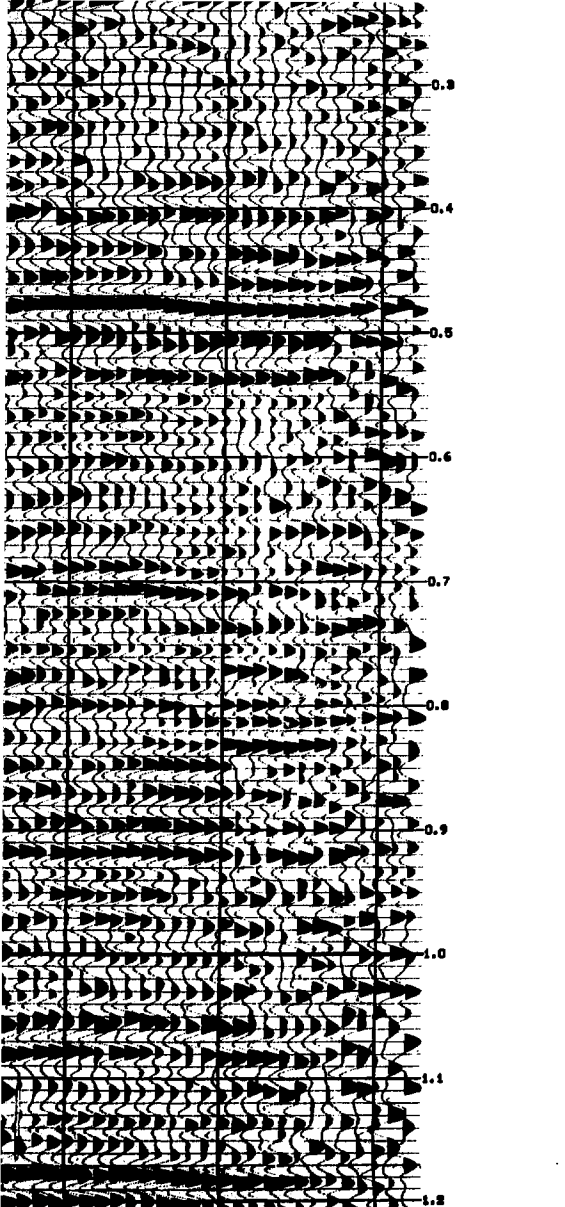
**LOS MEDANOS**

**LINE X-3A**

STATION 0000

0.3  
0.4  
0.5  
0.6  
0.7  
0.8  
0.9  
1.0  
1.1  
1.2

3



INPUT REEL HEADER INFORMATION

REEL NUMBER  
DATE CREATED 12/09/77  
NUMBER SAMPLES/TRACE 1000  
SAMPLE RATE IN HILLS 2  
PROCESSOR  
LINE NUMBER X-99  
JOB NUMBER  
SECTION NUMBER  
PROCESSING STEP

FIELD INFORMATION

RECORDED BY: DRESSER OLYMPIC	PARTY: NO. 62
DATE: NOVEMBER 22, 1977	FILTER: 18/36-124 HZ
INSTRUMENTS: CPS I - DFB IV	SAMPLE RATE: 2MS
SWITCH FILT: IN	SOURCE: VIBROSEIS
RECORD LEN: 16 SEC.	SAMPLE LEN: 12 SEC.
SAMPLE FREQ: 25-100 HZ	NO./GROUPS 24
STN INV: 110 FT.	VIB. INV: 110 FT.
REB PER STN: 6	GEOP TYPE: 63C-200
ARRAY TYPE: INLINE	TYPE COVER: 1200 PRCNT

PROCESSING SEQUENCE

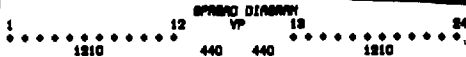
PROCESSED BY DRESSER OLYMPIC

STATICS COMPUTATION

DATUM: 2200 FT.  
VIB: 6000 FT/SEC.

- 1) DEMULTIPLEX
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT GATHERS
- 5) DECONVOLUTION  
OPERATOR LENGTH=140 MILS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-3.0 SEC. 25-80 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMS
- 10) FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-3.0 SEC. 25-80 HZ
- 13) DIGITAL ABC
- 14) DISPLAY  
9 TR/IN  
10 IN/SEC.

4



1.3  
1.4  
1.5  
1.6  
1.7  
1.8  
1.9  
2.0  
2.1

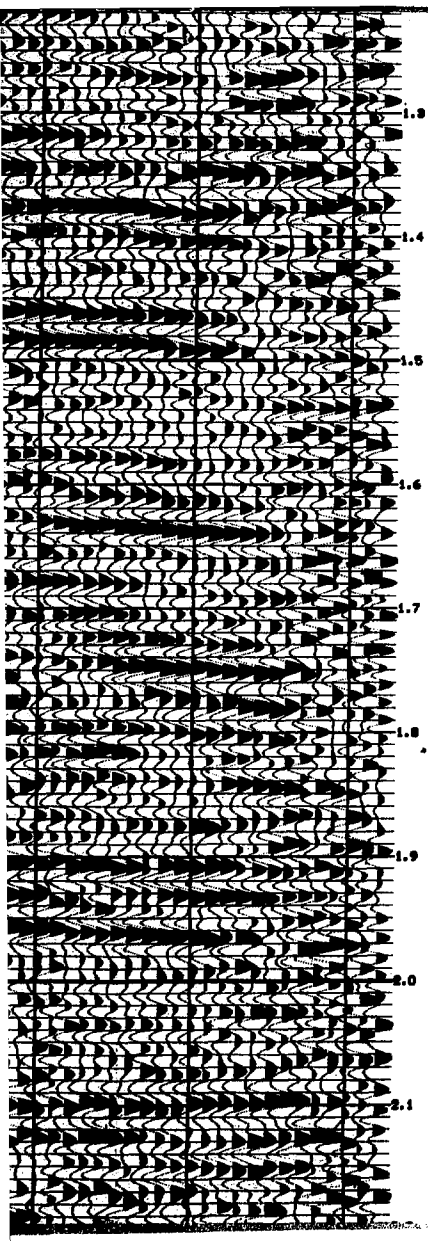
5



\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION L/R  
PERCENT SW 0  
POLARITY BLACK+VE

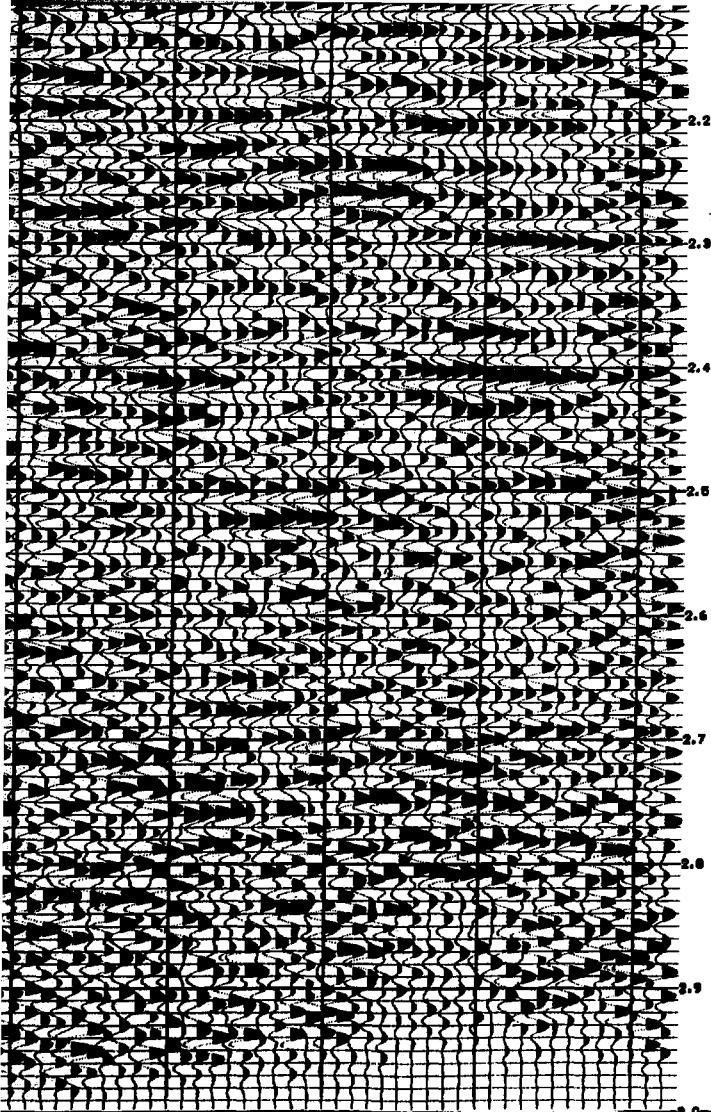
\*\*\*\*\*  
DATA PREPARED BY  
\*\*\*\*\*



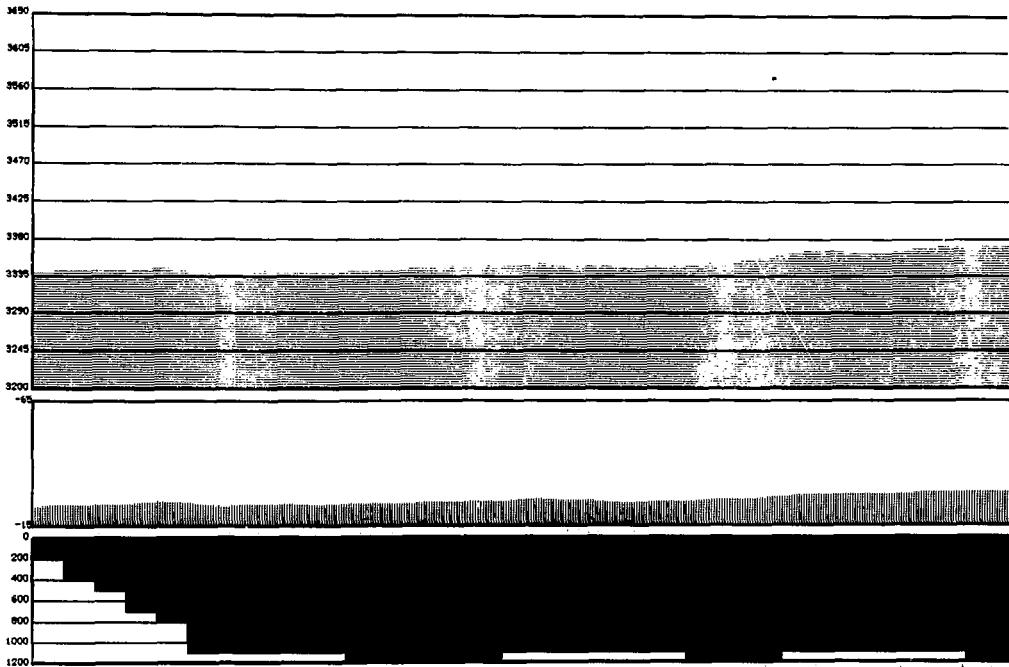
6

2.2  
2.3  
2.4  
2.6  
2.6  
2.7  
2.8  
2.9

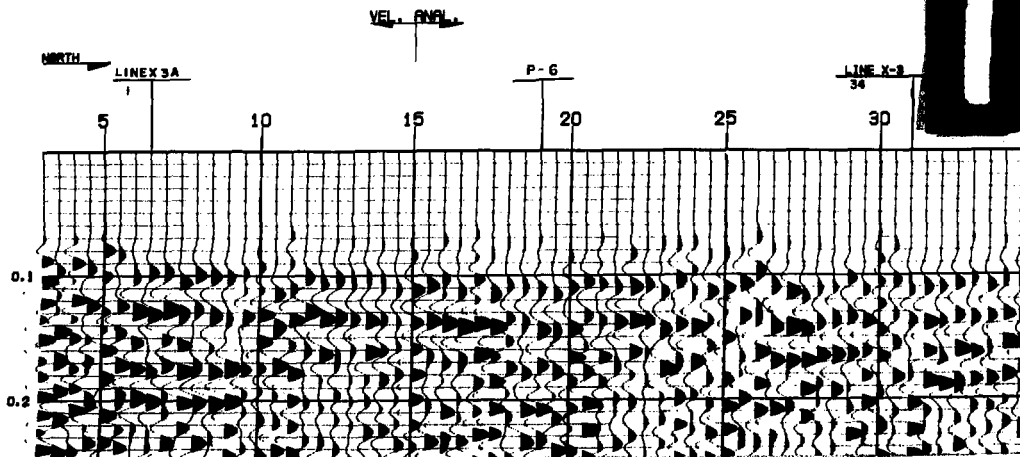
7

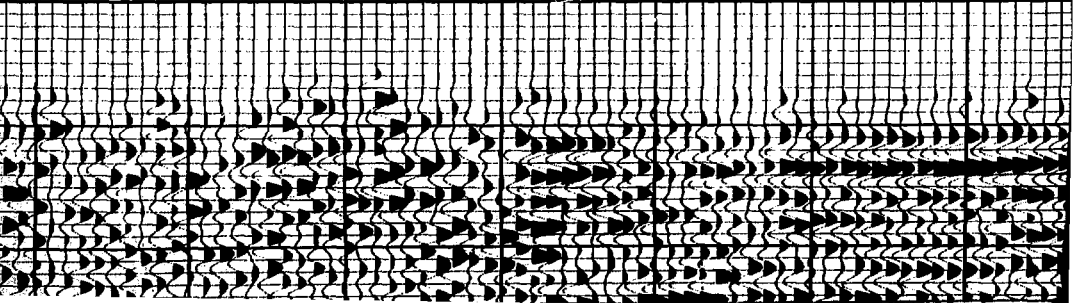
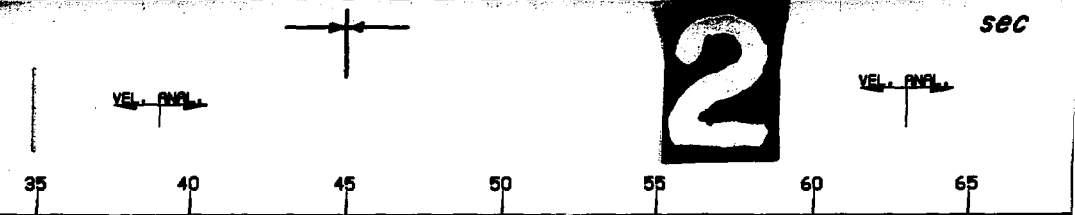
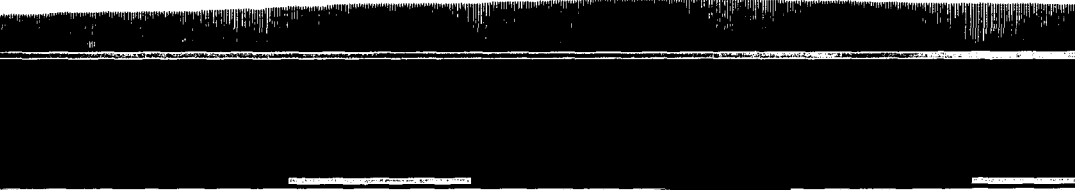
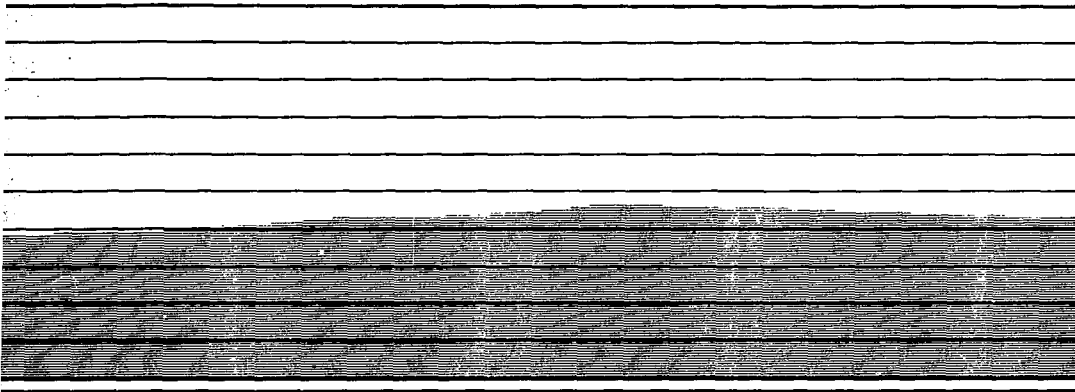


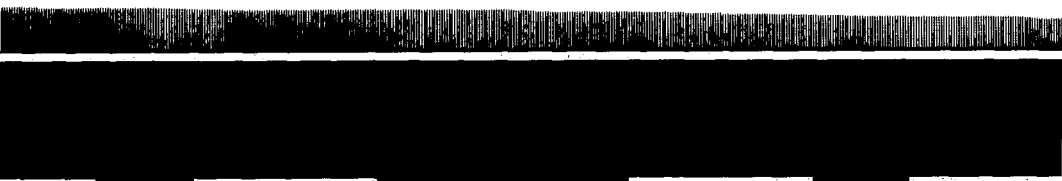
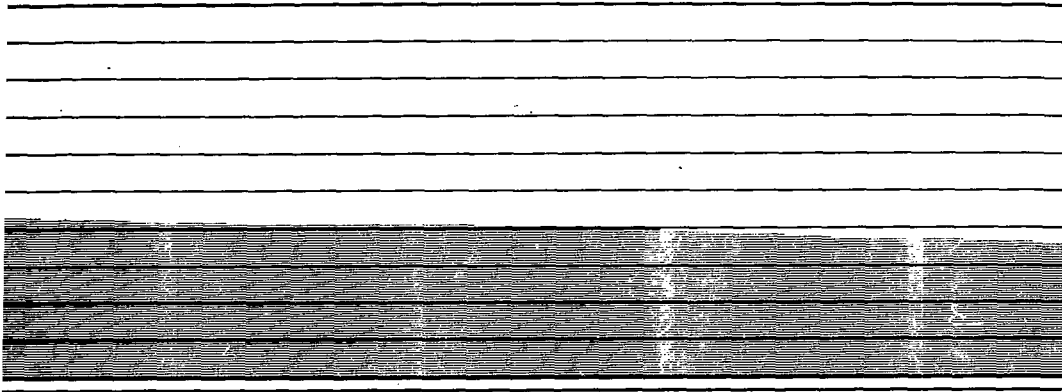
8



sec 25







24

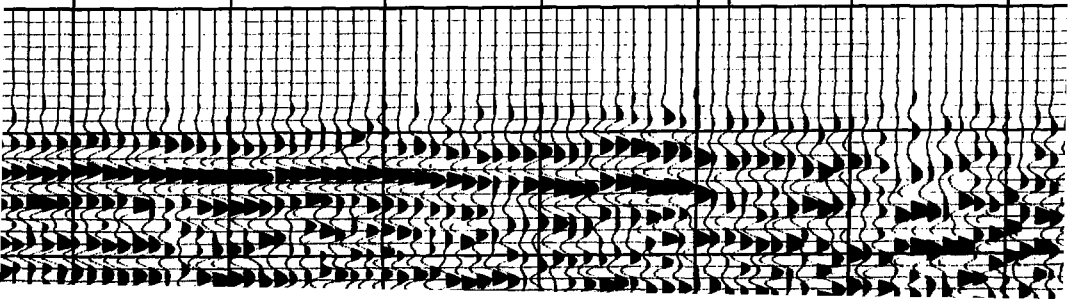


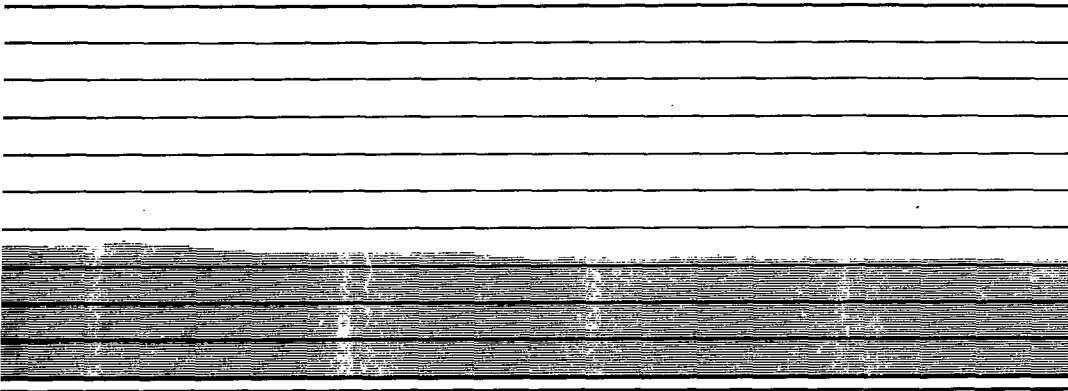
3

VEL. ANPL.

P - 12

70 75 80 85 90 95 100





*sec 13*

**4**

VEL. ENCL.

VEL. ENCL.

p-13

105

110

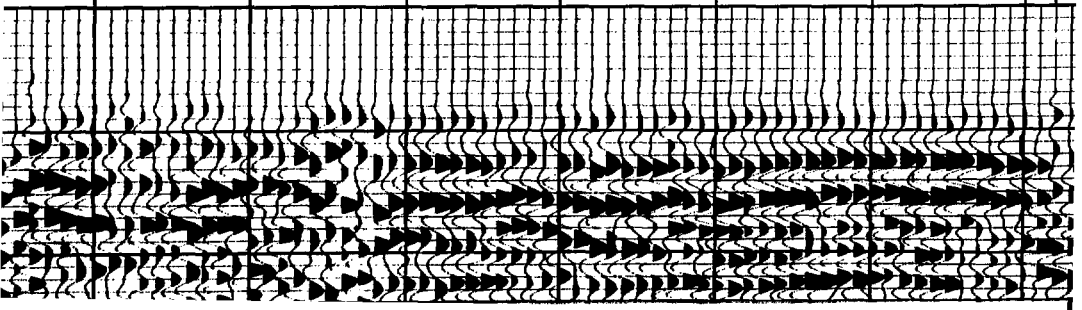
115

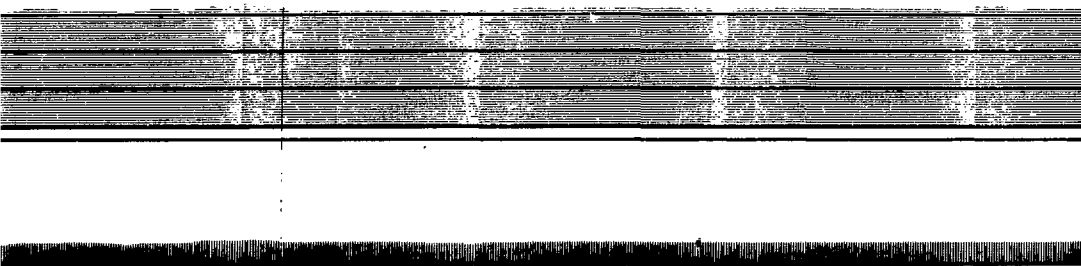
120

125

130

135





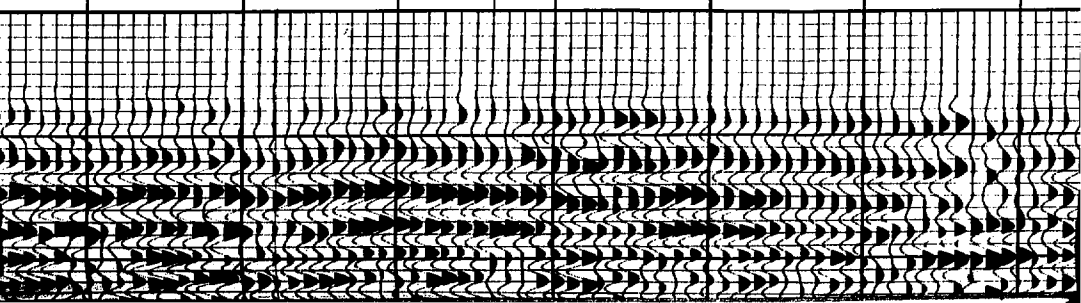
sec 12

5

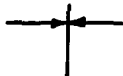
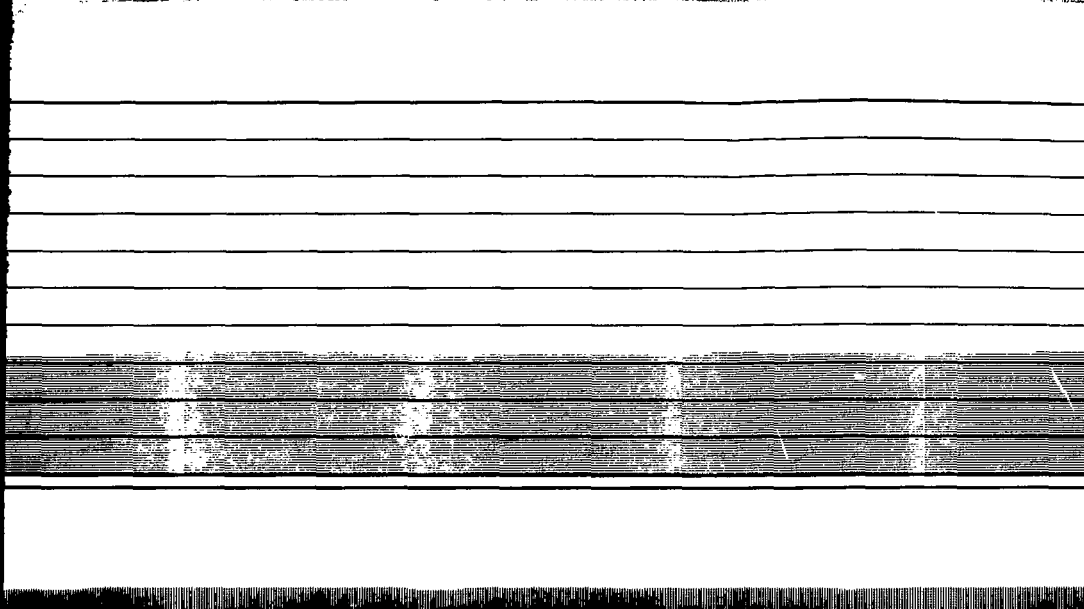
VEL. ANAL.

LINE K-5  
56

140 145 150 155 160 165 170







VEL. ONFL.



175

180

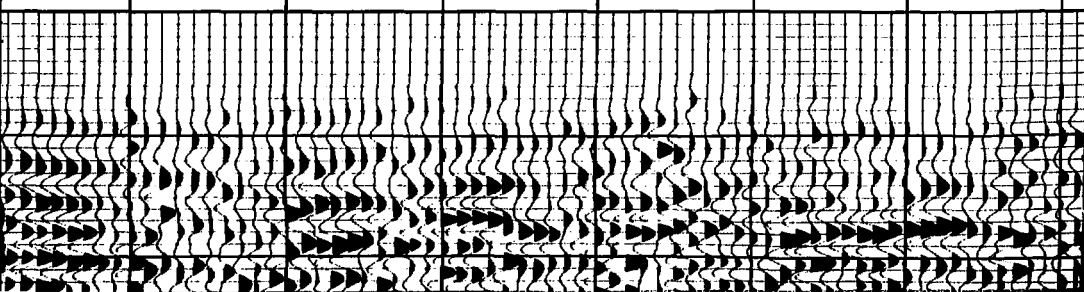
185

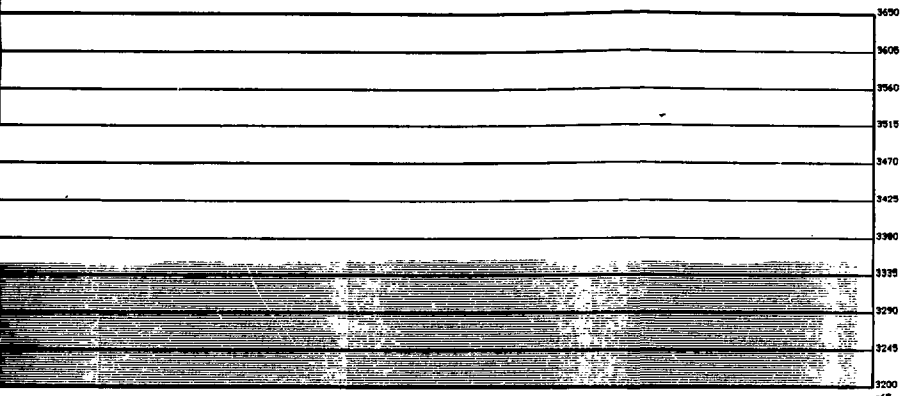
190

195

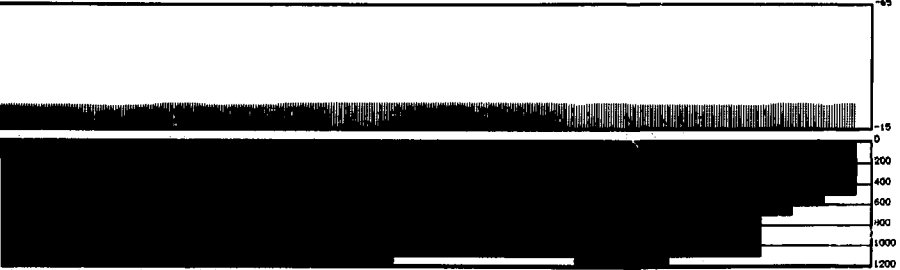
200

205





ELEV



STAT

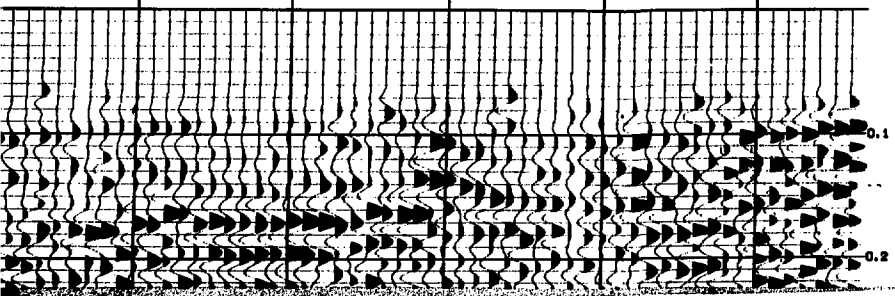
FOLD

sec /

VEL. ANGL.

NORTH

210 215 220 225 230

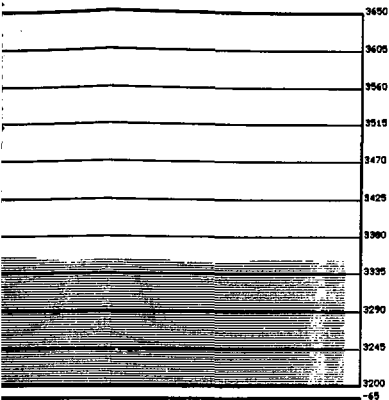


LINE

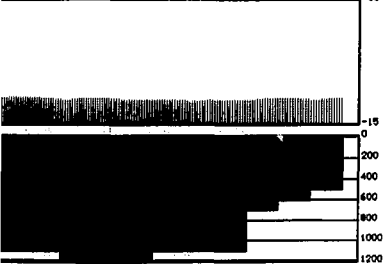
VEL  
DIRE  
LINE

STAT

7



ELEVATIONS



STATICS

FOLD %

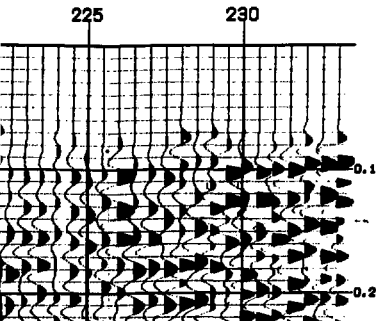
LINE DIRECTION 

**8**

VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

 NORTH

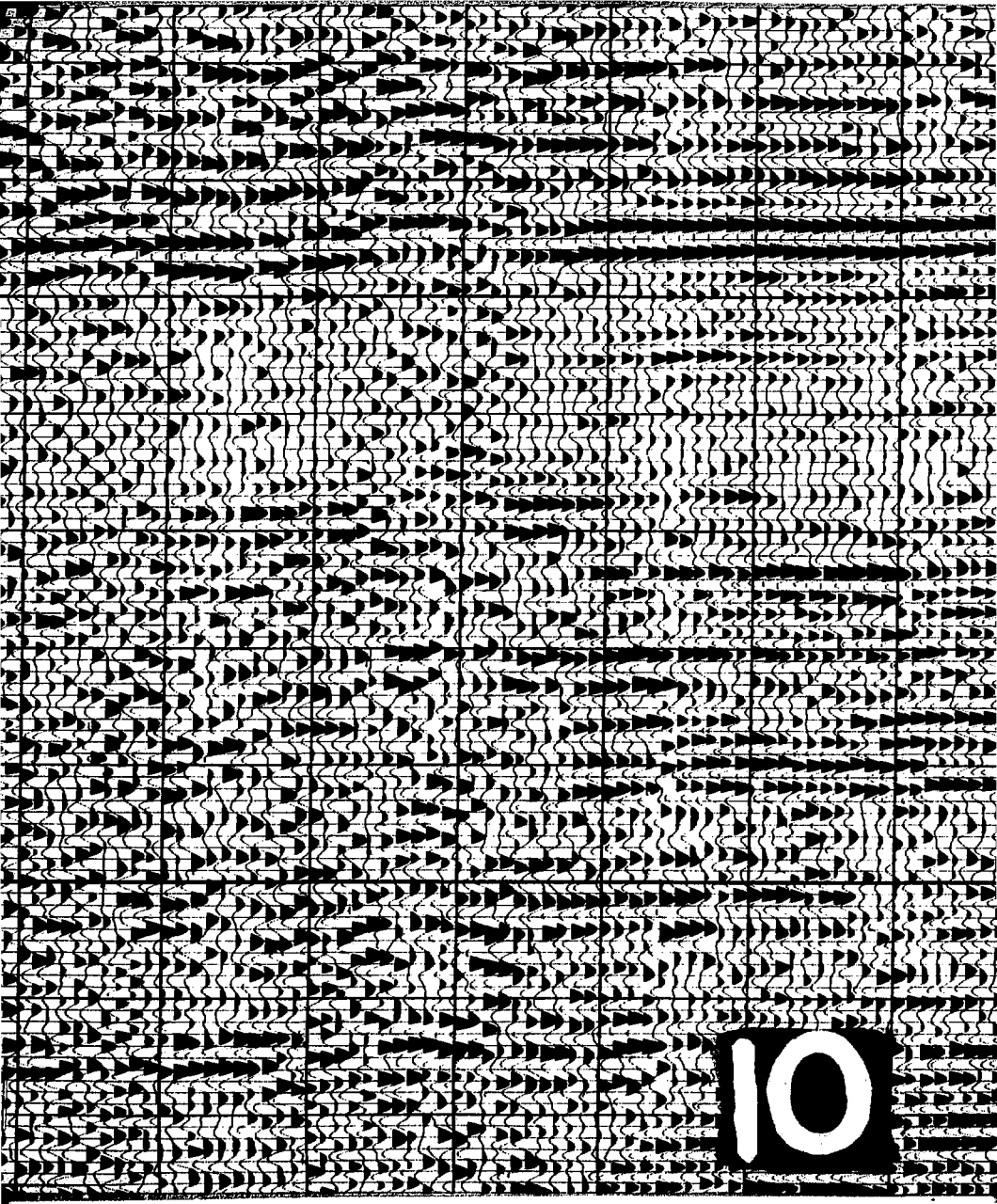
STATIONS



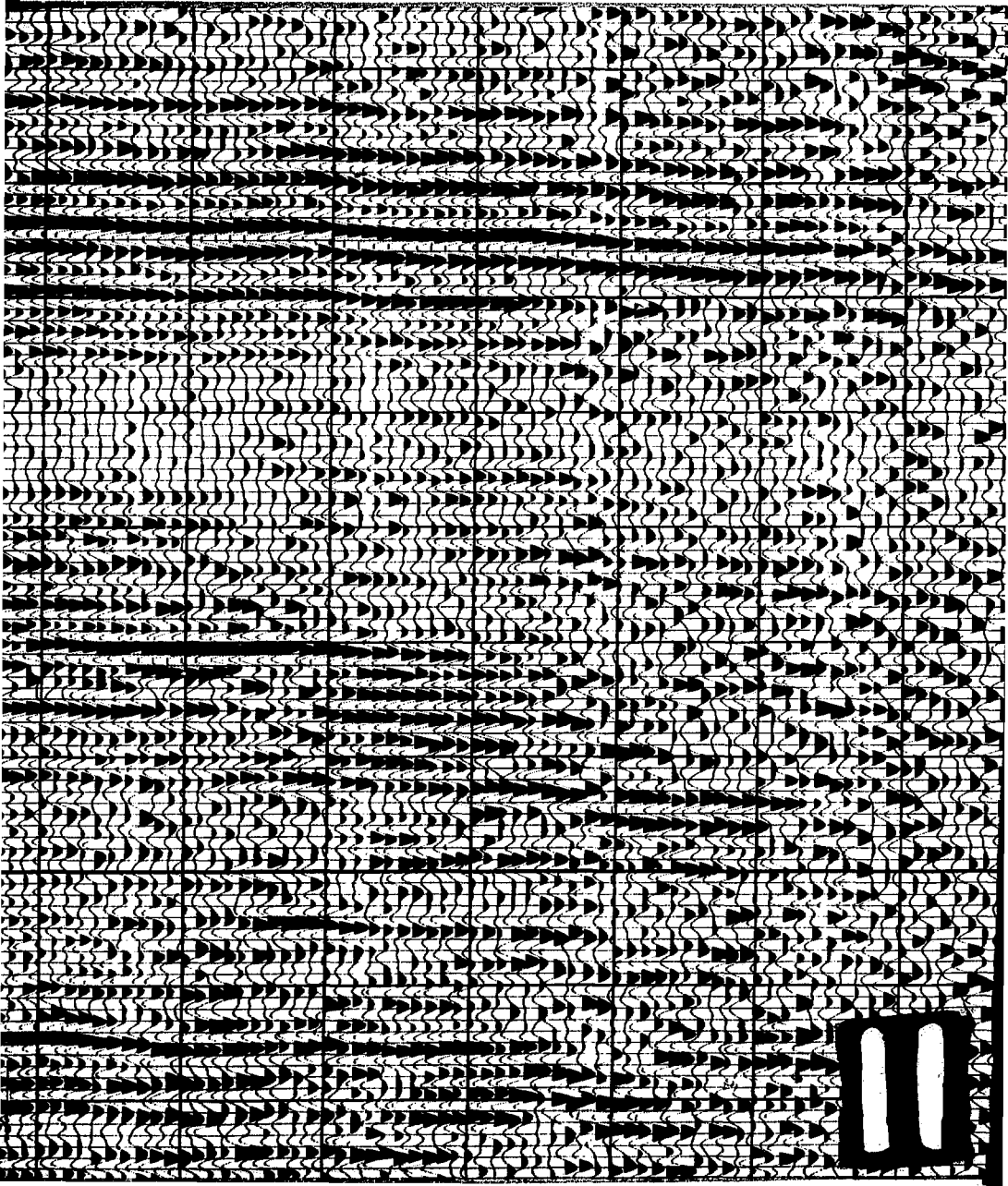
**Drone Check**

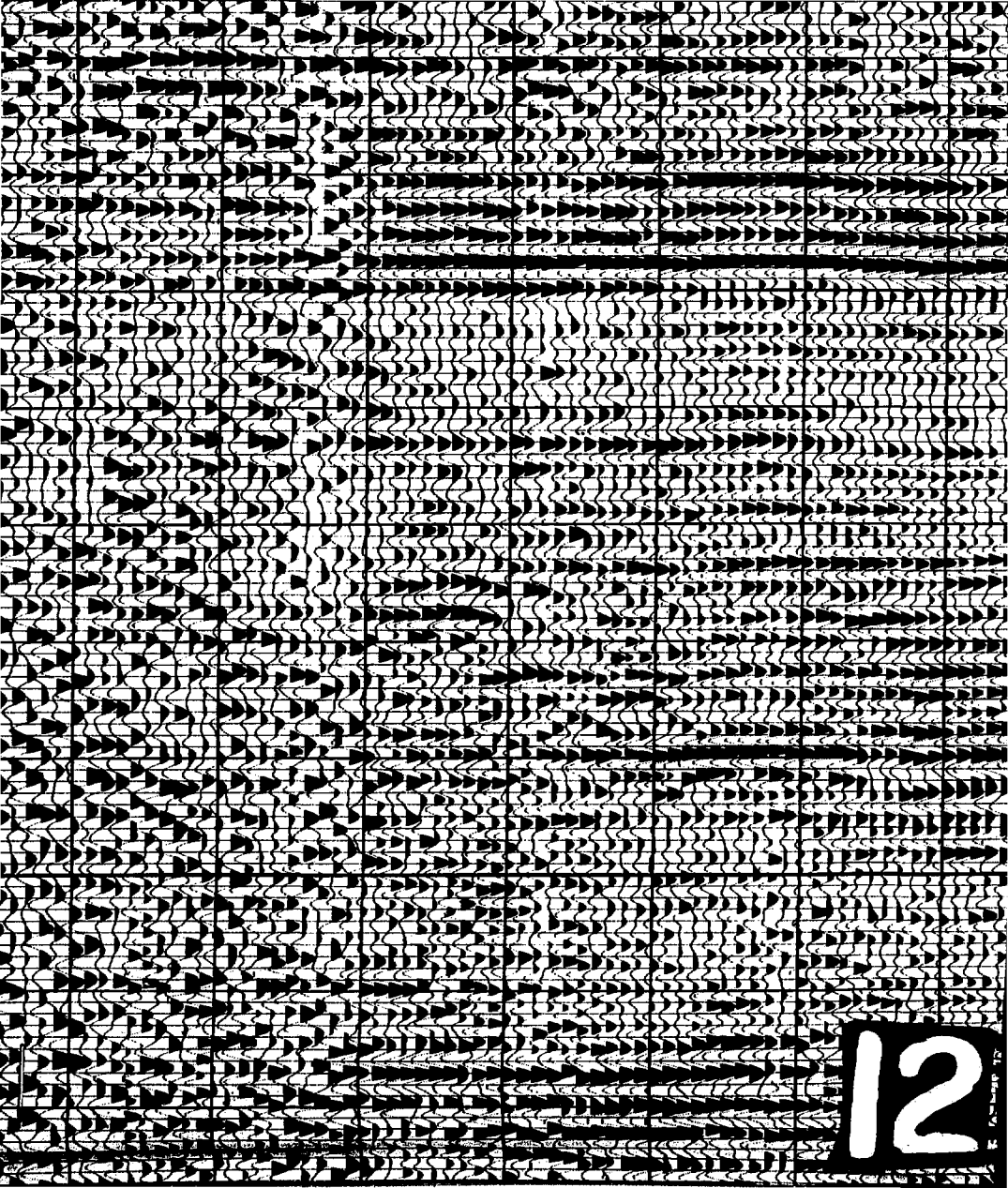
**LØS MEDANØS**  
**LINE X-4**

0.3  
0.4  
0.5  
0.6  
0.7  
0.8  
0.9  
1.0  
1.1  
1.2



10





12

13





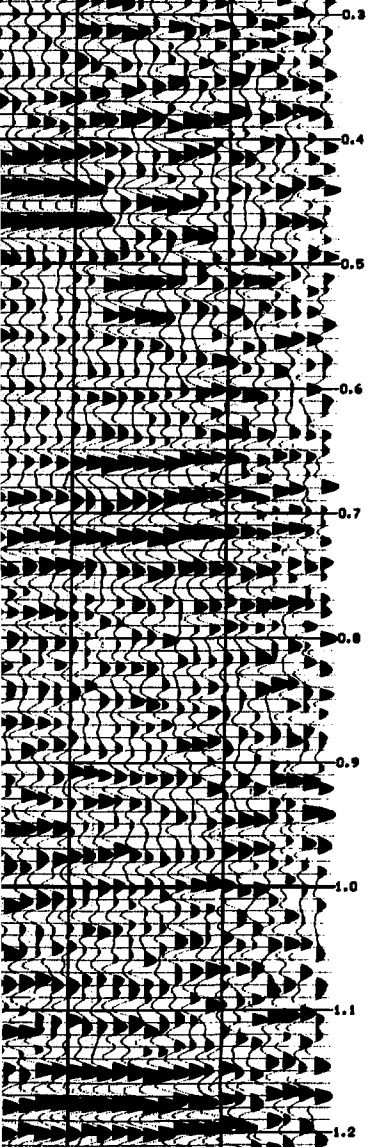


0.3  
0.4  
0.5  
0.6  
0.7  
0.8  
0.9  
1.0  
1.1  
1.2

RECORDED  
DATE:  
INSTNUM  
NOTCH F  
RECORD I  
SHEEP F  
STN INV  
GEO PER  
WRRY T

STATIC  
D  
V  
1) D  
2) B  
3) V  
4) C  
5) D  
6) E  
7) F  
8) G  
9) H  
10) I  
11) J  
12) K  
13) L  
14) M  
15) N

**15**



INPUT REEL HEADER INFORMATION

REEL NUMBER  
DATE CREATED 11/16/77  
NUMBER SAMPLE/TRACE 1000  
SOURCE DATE IN HILLS 2  
PROJECT NAME  
LINE NUMBER X-4  
JOB NUMBER  
SECTION NUMBER  
PROCESSING STEP

FIELD INFORMATION

RECORDED BY: DRESSER OLYMPIC	PARTY: NO. 62
DATE: OCTOBER 27, 1977	FILTER: 10/96-124 HZ
INSTRUMENTS: CFS I - CFS IV	SAMPLE RATE: 200
SWITCH FILTER: IN	SOURCE: VIBROSEIS
RECORD LEN: 16 SEC.	SWEEP LEN: 12 SEC.
SWEEP FREQ: 20-100 HZ	NR/GROUPS 24
STN INV: 110 FT.	VIB. INV: 110 FT.
GBS PER STN: 6	GBS TYPE: 08C-200
ARRAY TYPE: INLINE	TYPE COVER: 1200 PRCNT

PROCESSING SEQUENCE

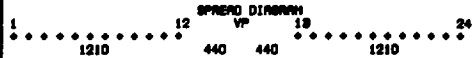
PROCESSED BY DRESSER OLYMPIC

STATICS COMPUTATION

DATUM: 3000 FT.  
VSN: 6000 FT/SEC.

- 1) DEMULTIPLEX
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT BATHS
- 5) DECONVOLUTION  
OPERATOR LENGTH=140 HILS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-9.0 SEC. 25-80 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMO
- 10: FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-9.0 SEC. 25-80 HZ
- 13) DIGITAL ABC
- 14: DISPLAY  
8 TR/IN  
10 IN/SEC.

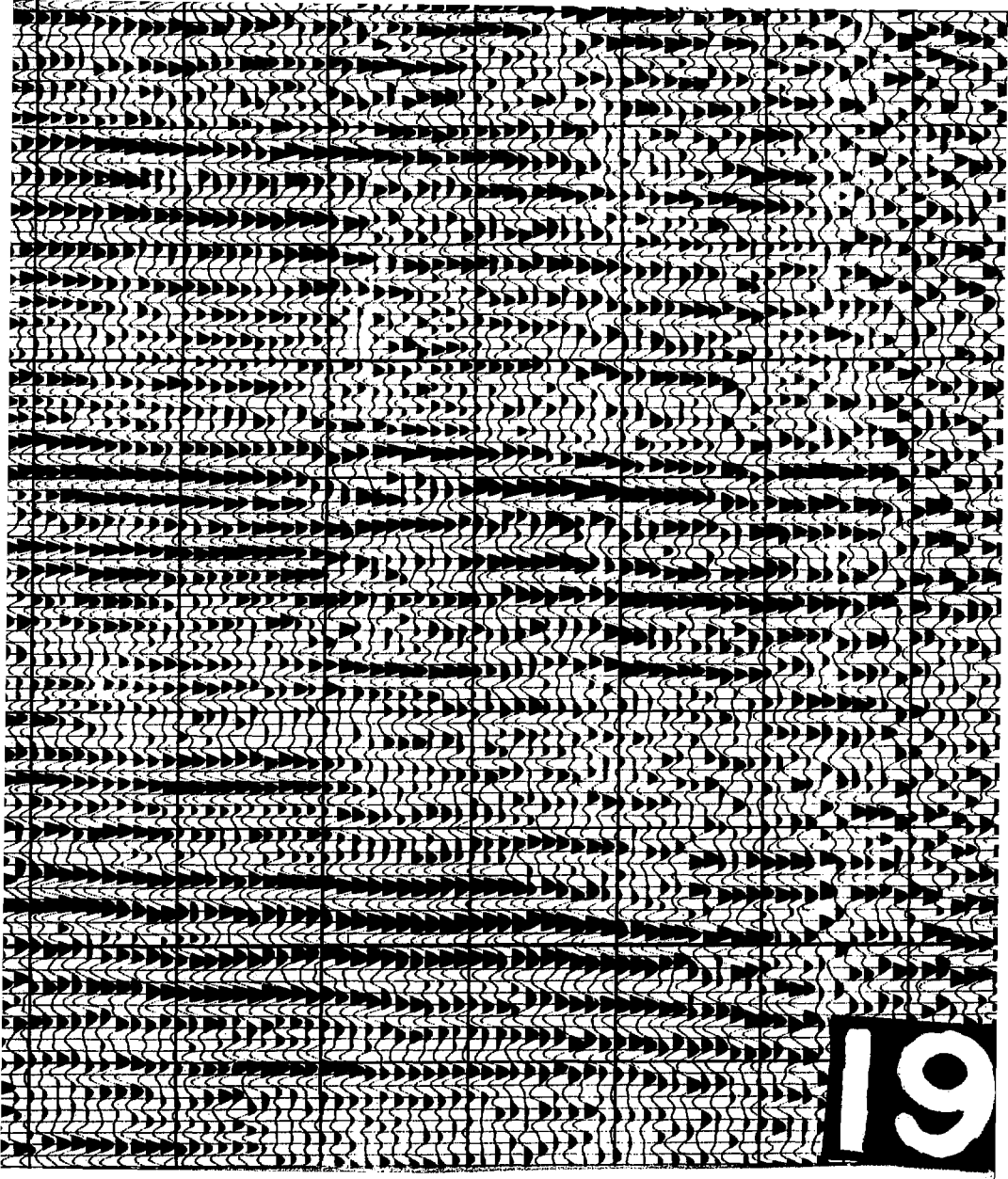
16



1.3  
1.4  
1.5  
1.6  
1.7  
1.8  
1.9  
2.0  
2.1

17

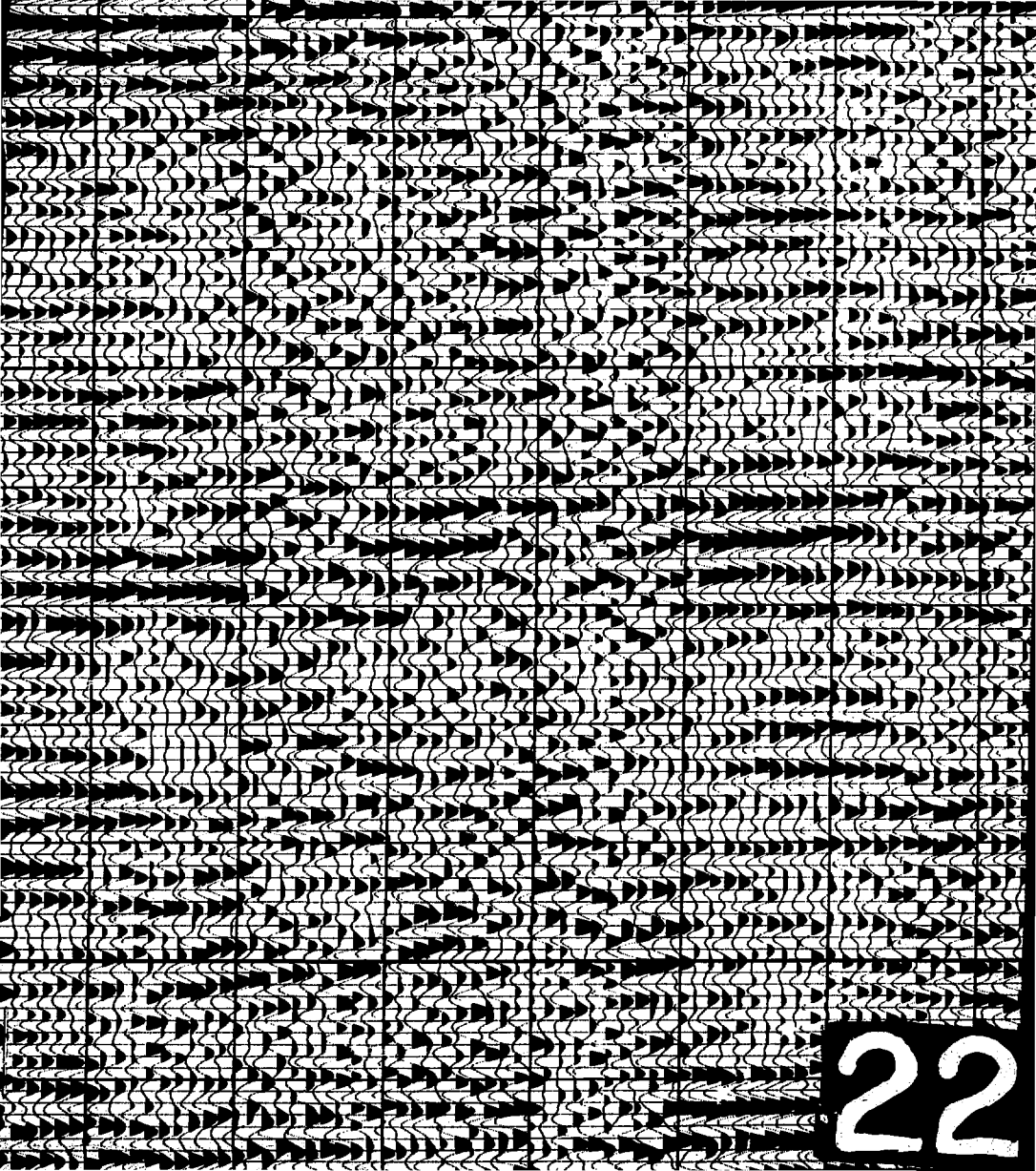


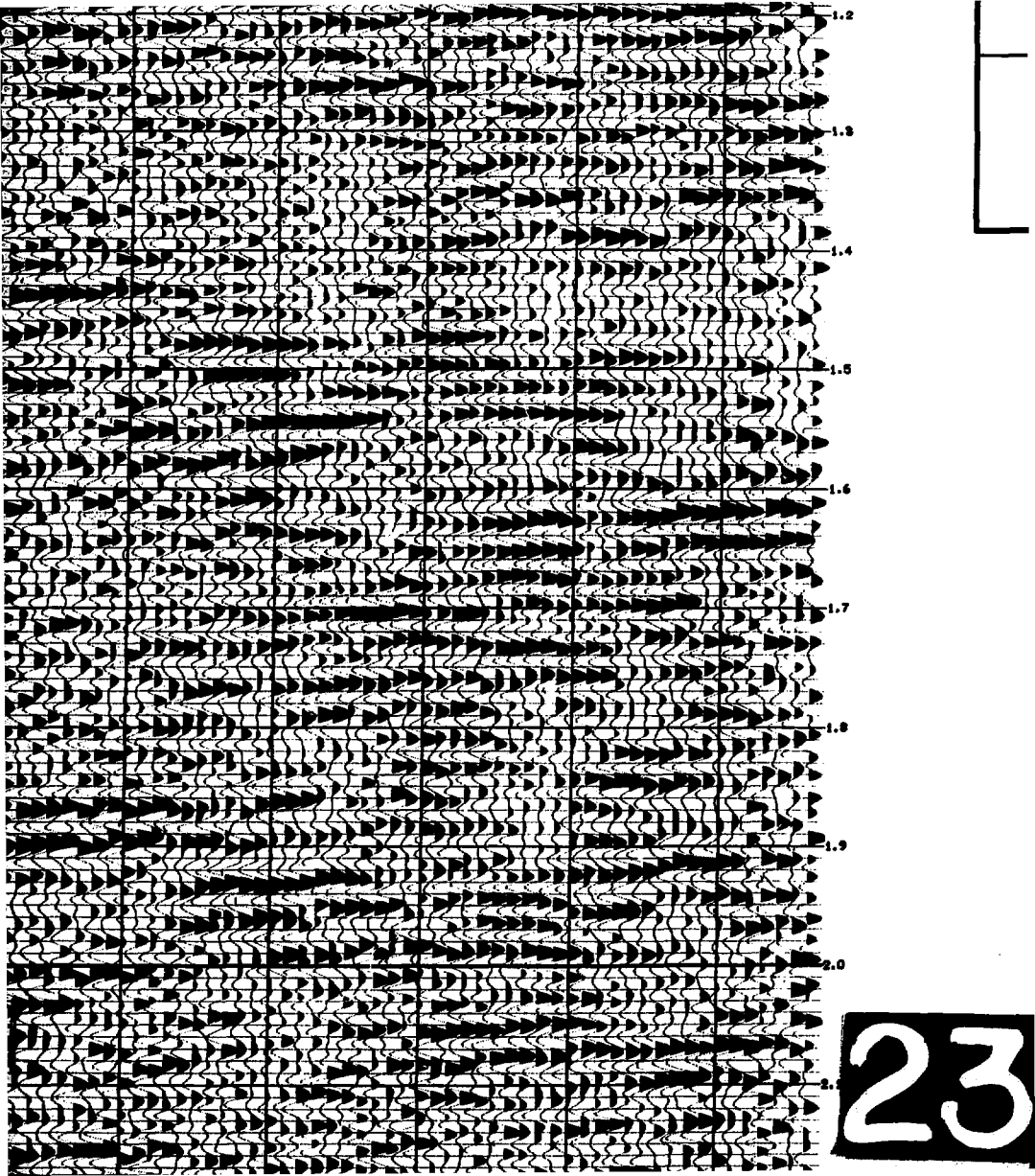




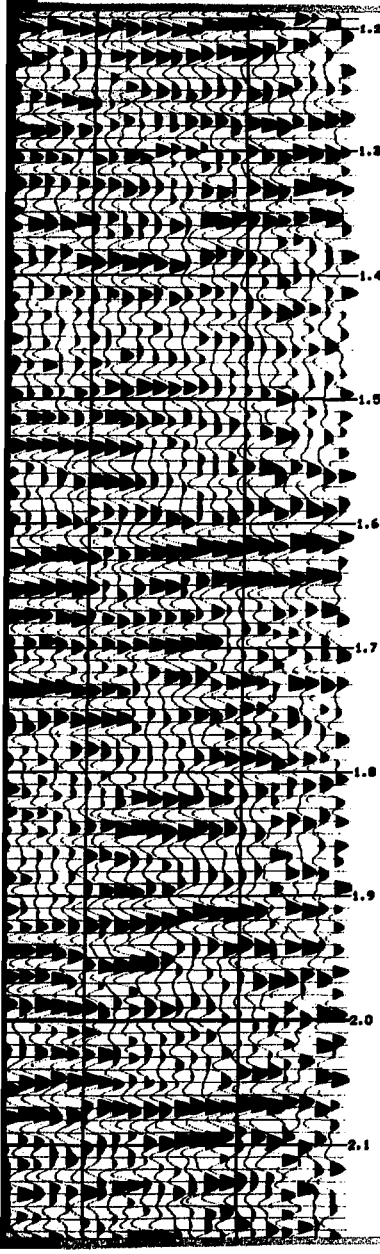








23

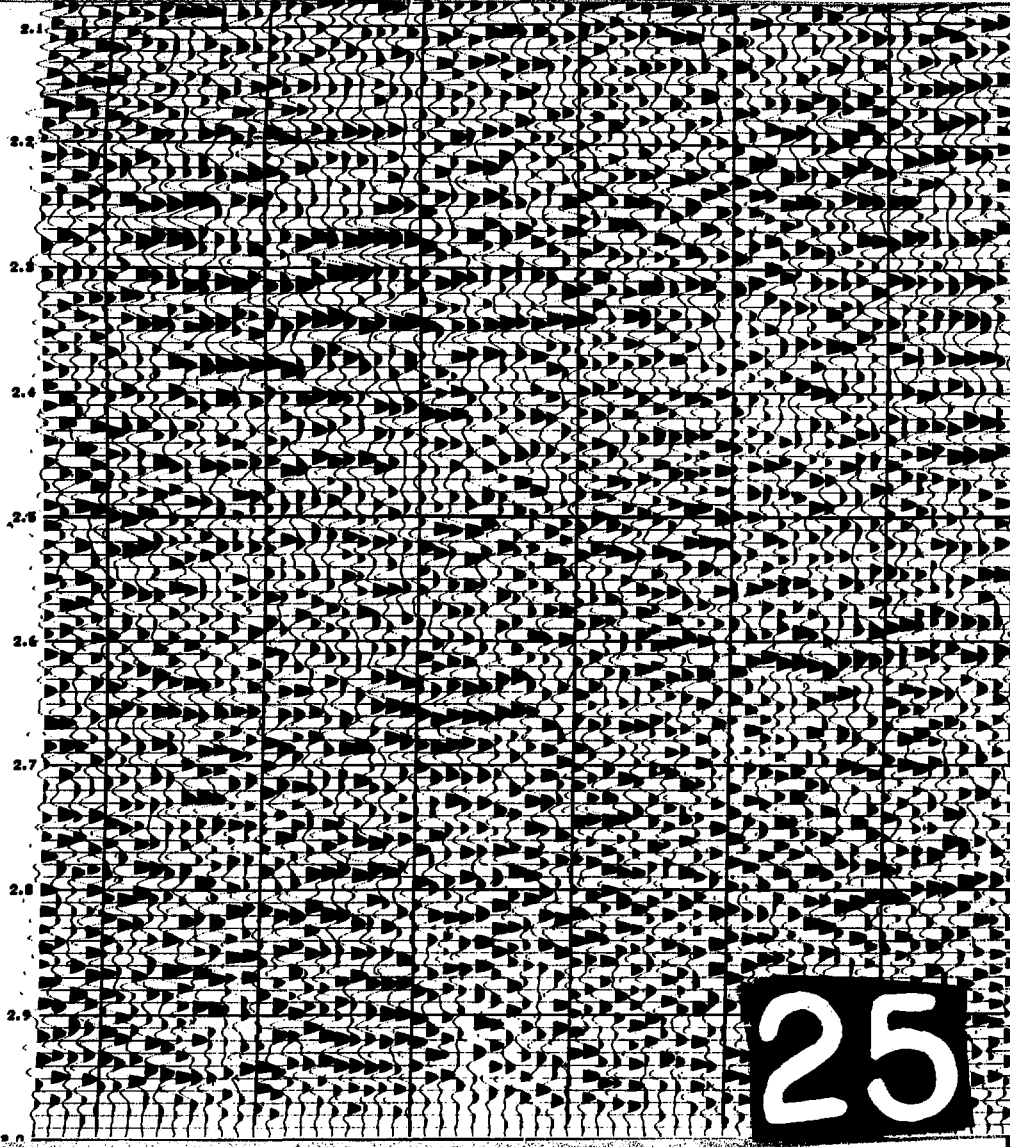


\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GRIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION L/R  
PERCENT SWR 0  
POLARITY BLACK+VE

\*\*\*\*\*  
DATA PROVIDED BY  
GENERAL ELECTRIC  
\*\*\*\*\*

24





26

The image features a dense, intricate black and white geometric pattern. The pattern is composed of numerous small, interlocking shapes that create a complex, textured appearance. Overlaid on this pattern is a grid of thin, dark lines. The grid consists of approximately 10 vertical and 10 horizontal lines, forming a series of small squares. The overall effect is one of a highly detailed, abstract design.

27



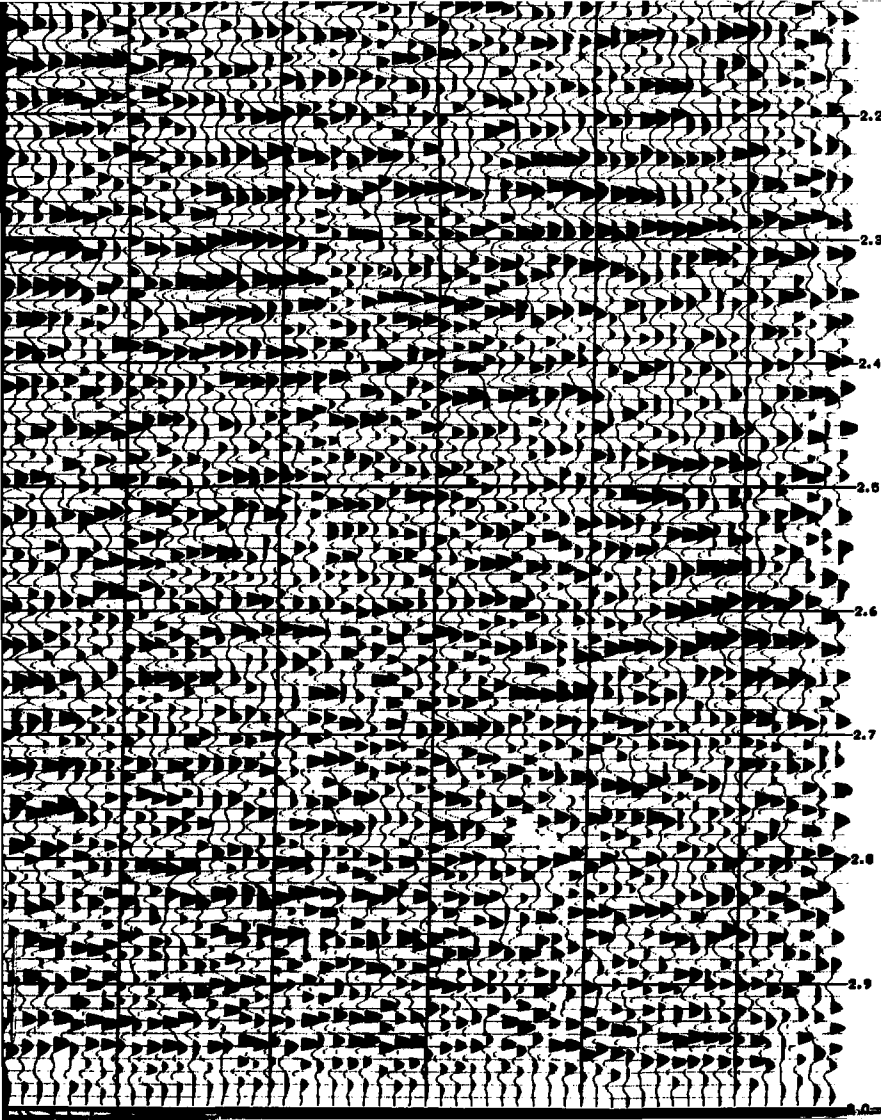


29





30



2.2

2.3

2.4

2.5

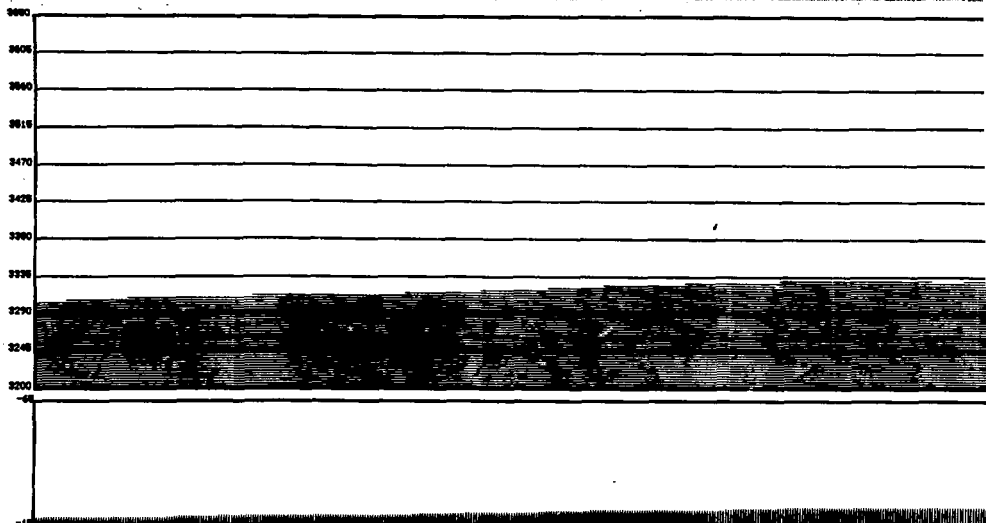
2.6

2.7

2.8

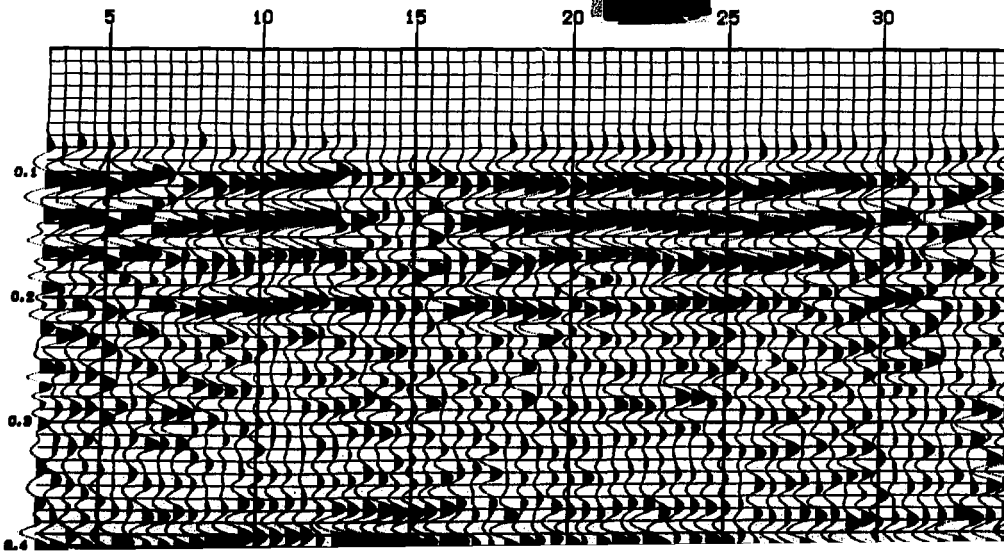
2.9

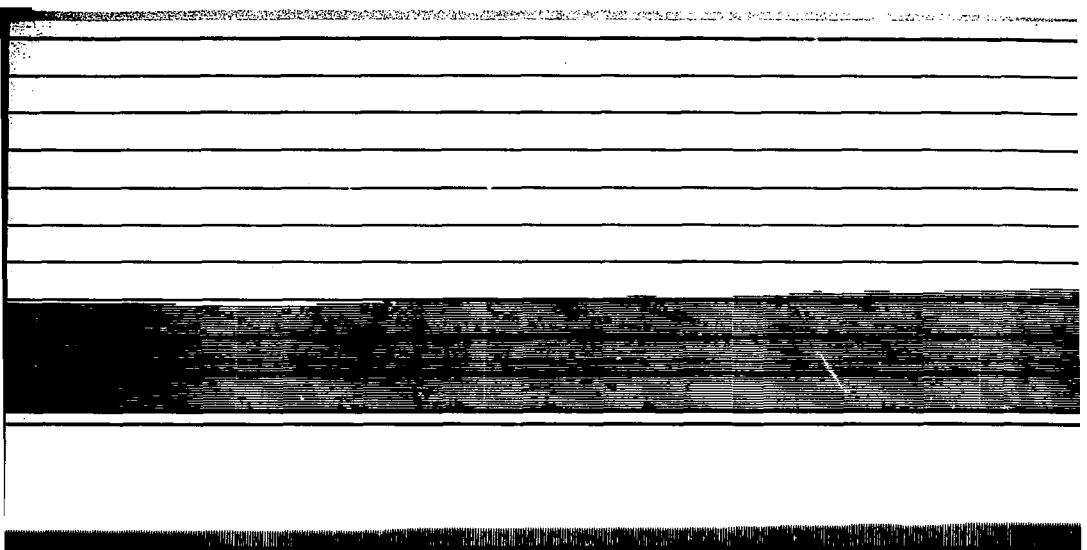
31



sec 12

VEL. CNCL.



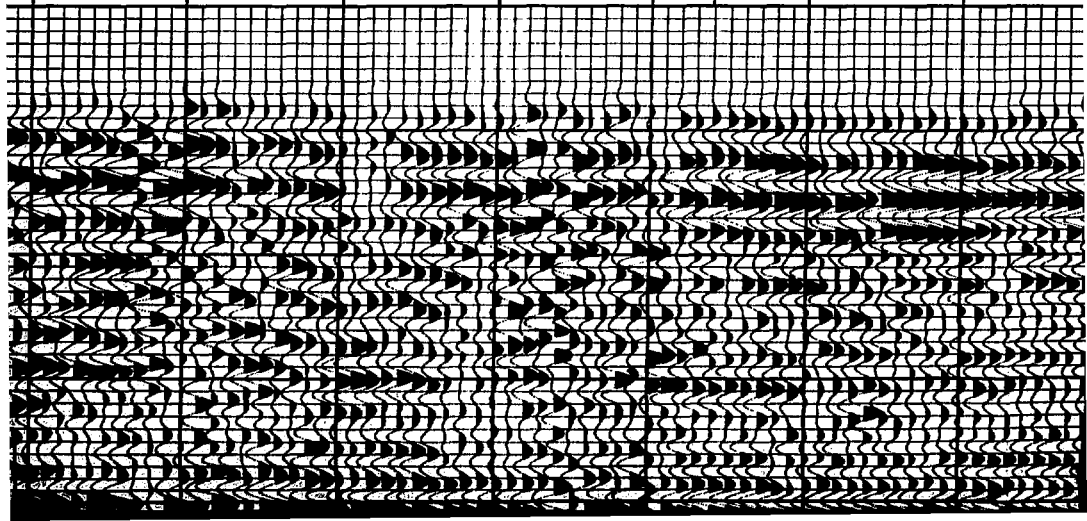


VEI. ONI.

2

LINE 4  
153

35 40 45 50 55 60



sec 7

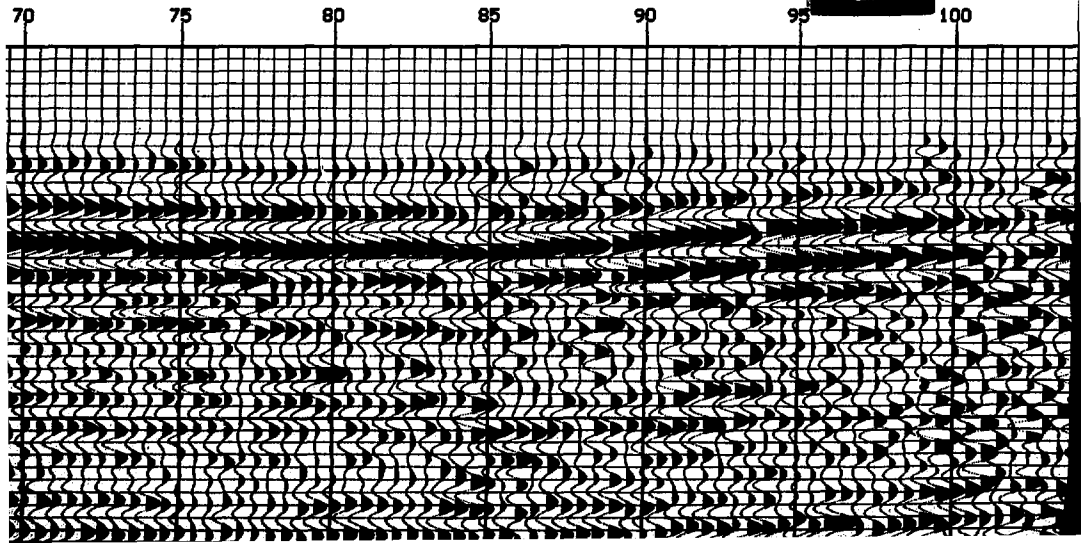


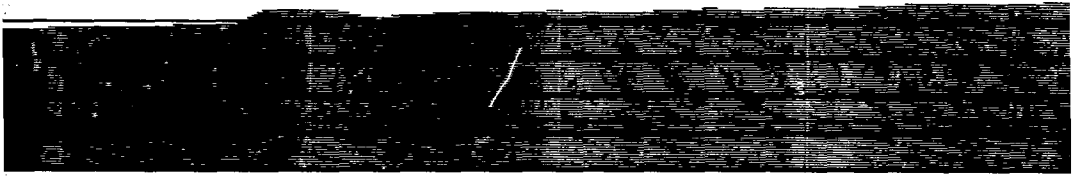
VEL. INCL.

sec 1

3

VEL.





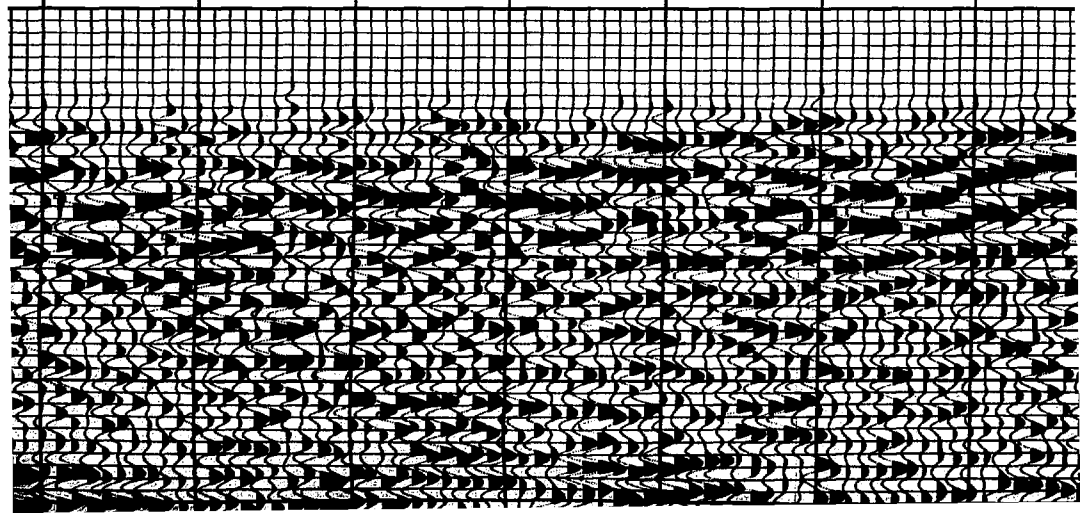
18



4

VEL. ENL.

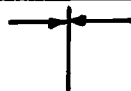
105      110      115      120      125      130      135



sec 17

VEL. ANGL.

5



LINE X-2  
163

140

145

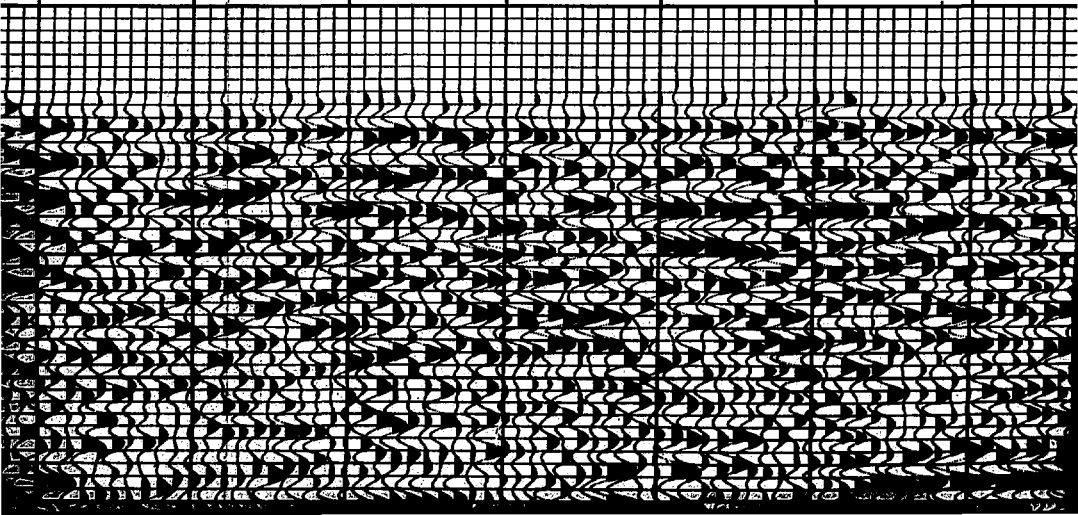
150

155

160

165

170





*sec 16*



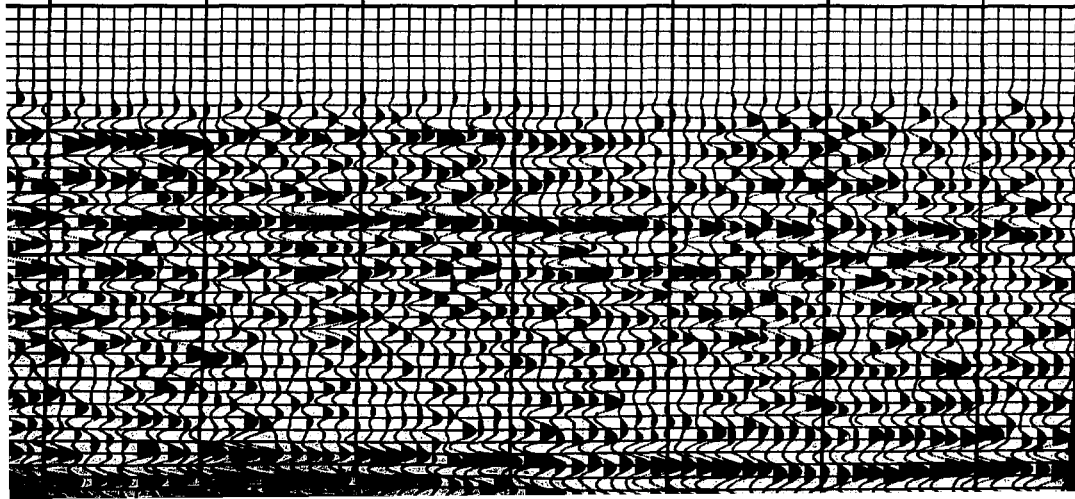
**6**

*sec 21*

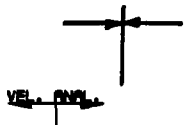
VEL. CNCL.

VEL. CNCL.

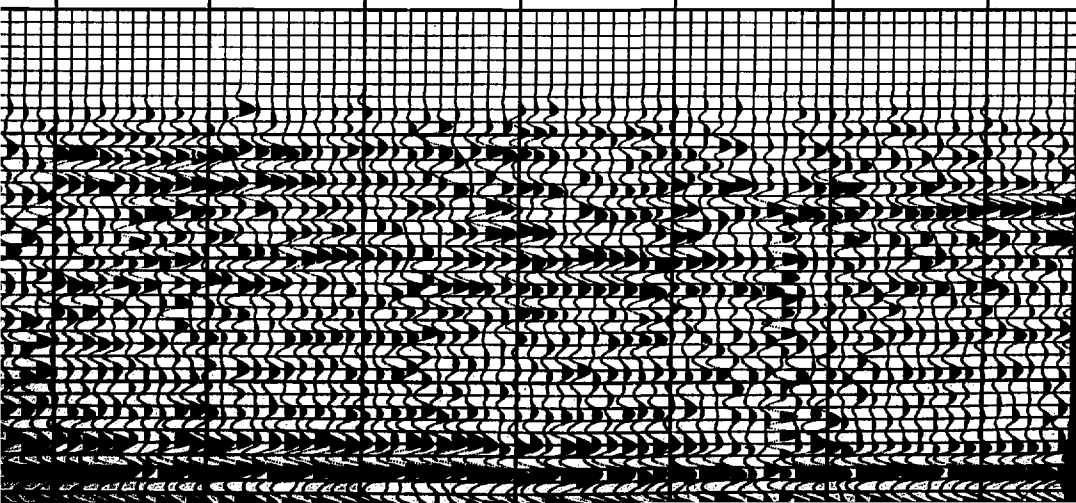
175      180      185      190      195      200      205





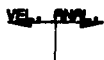


210                    215                    220                    225                    230                    235                    240



sec 22

sec



245

250

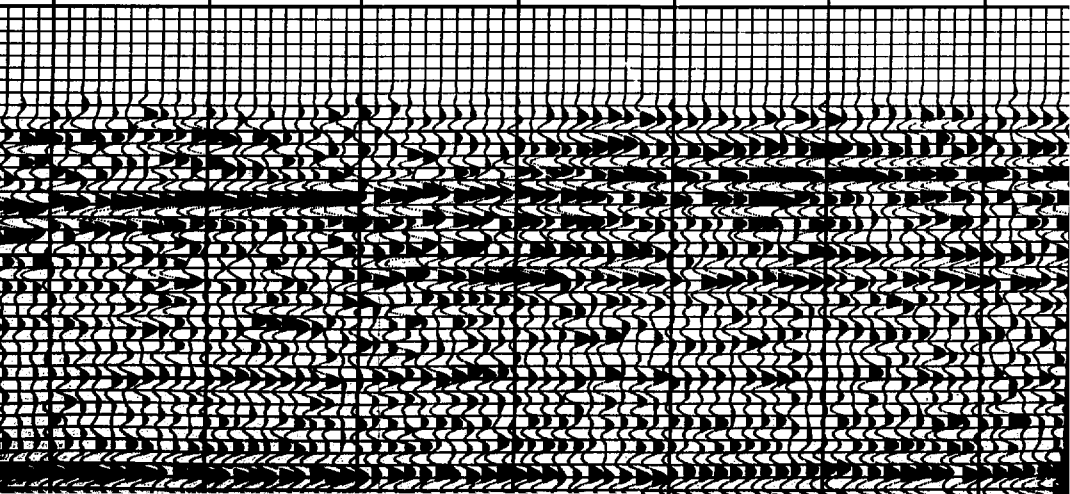
255

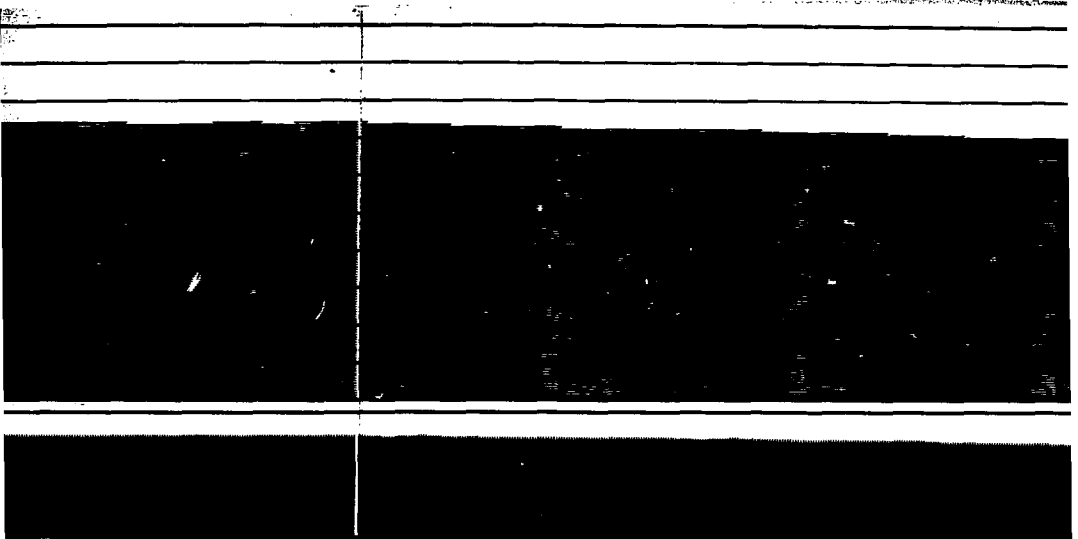
260

265

270

275





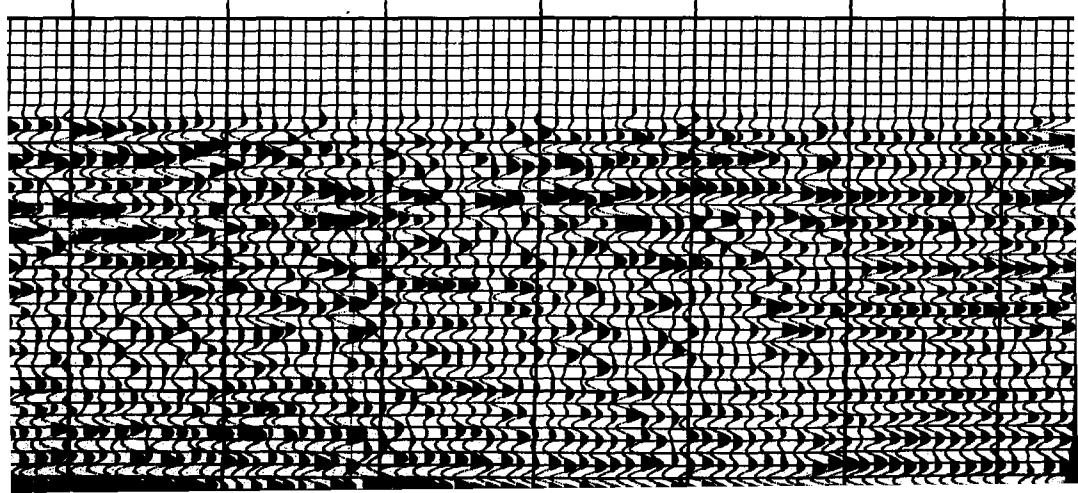
27

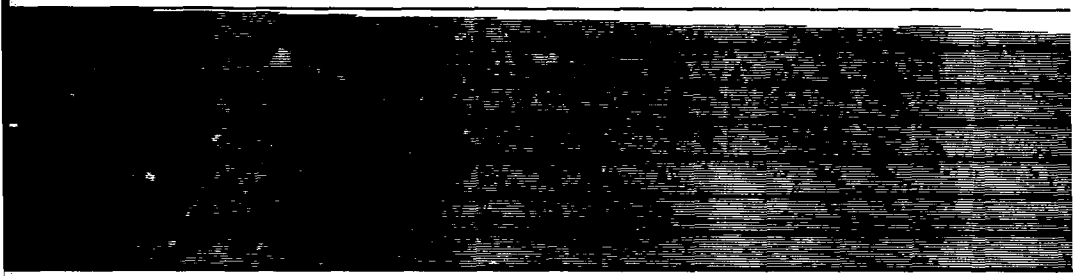


VEL.  $\rightarrow$   $\leftarrow$

9

280      285      290      295      300      305      310





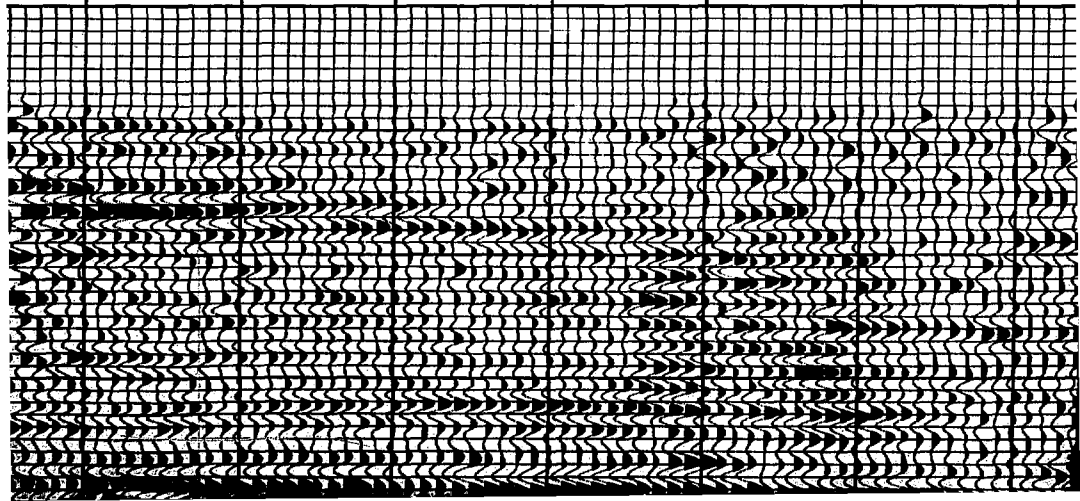
sec 26

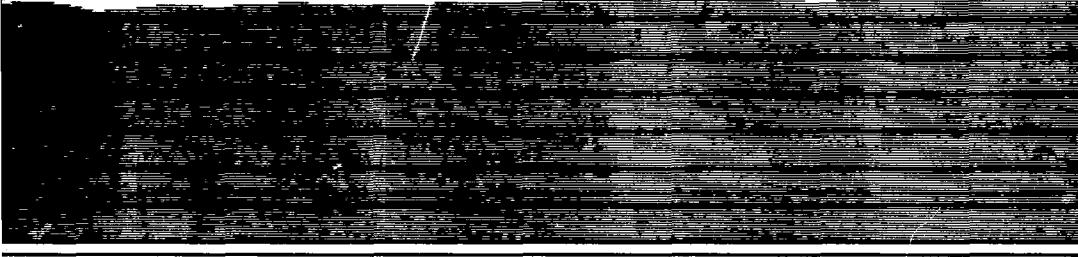
VEL. PNL.

10

VEL. PNL.

315 320 325 330 335 340 345





sec 25

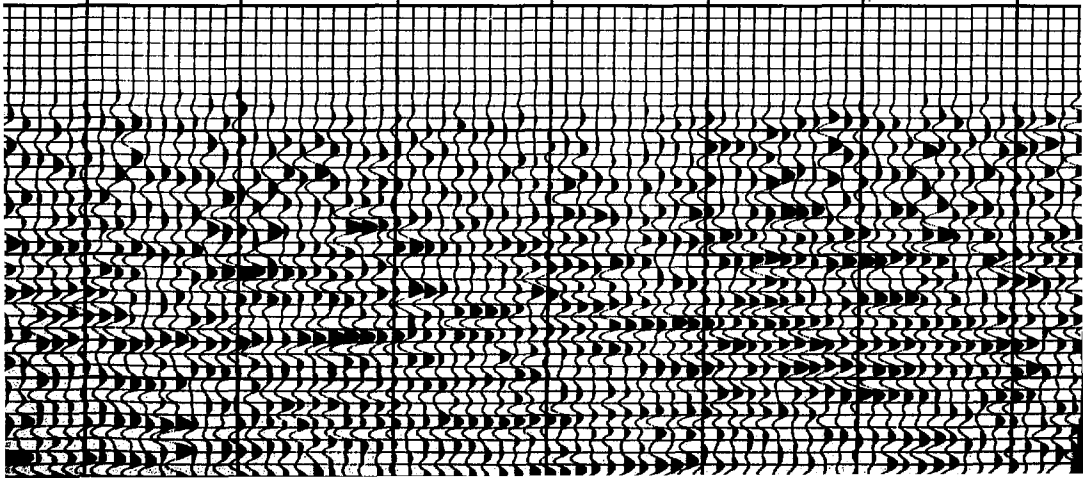


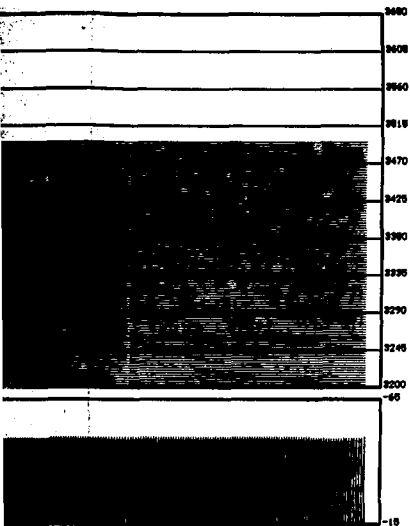
sec 36

VEL. RNF.



350      355      360      365      370      375      380





ELEVATIONS

STATICS

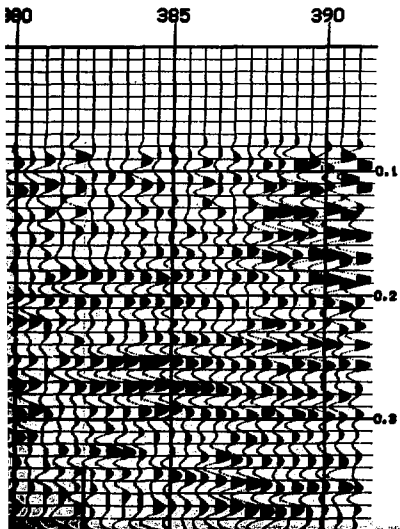
LINE DIRECTION 

**12**

VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

**SOUTHWEST** 

STATIONS



**Down-Count**

**LOS MEDANOS**

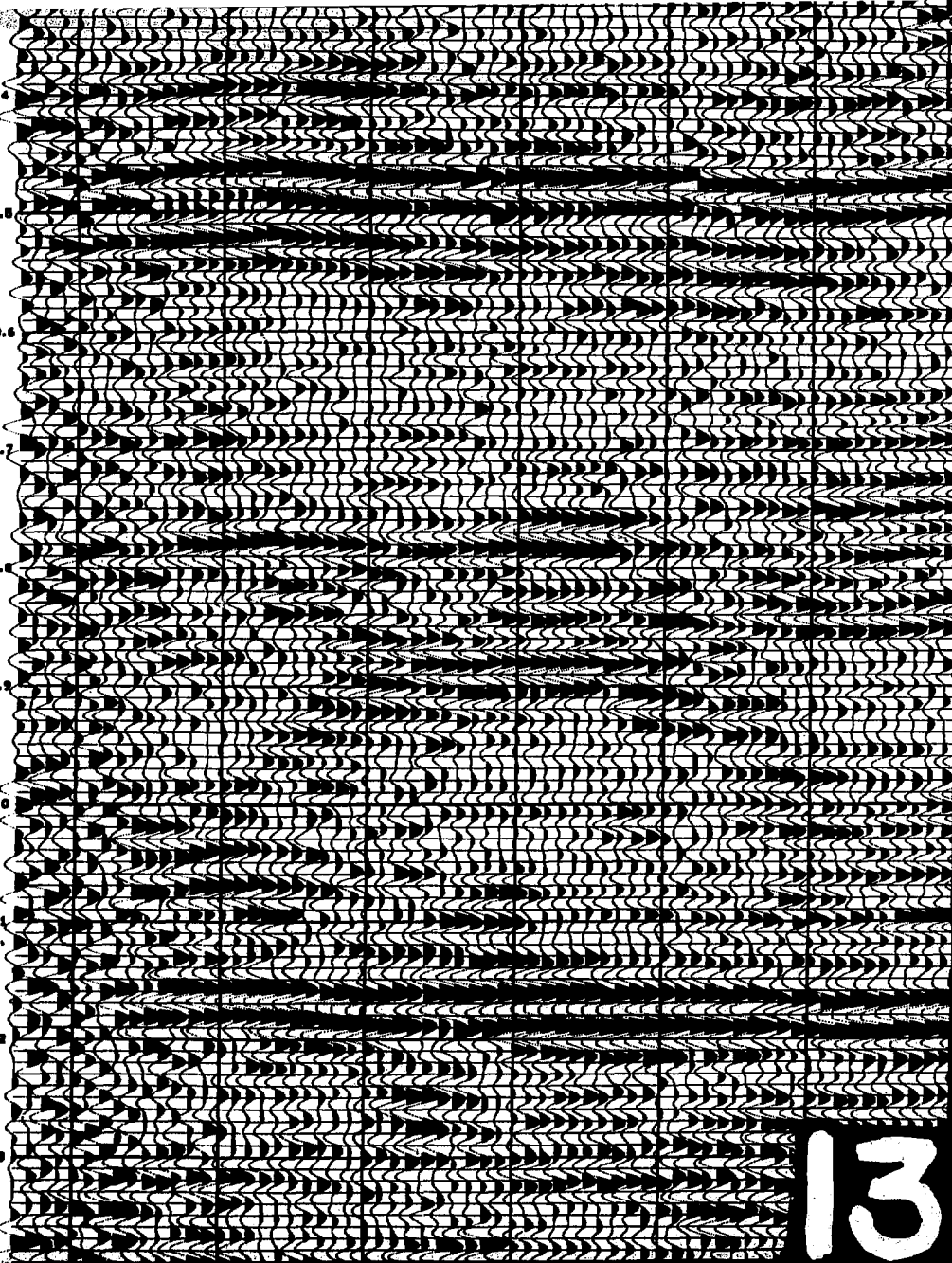
LINE X-5  
STATIONS 3-391  
SOUTHWEST NEW MEXICO

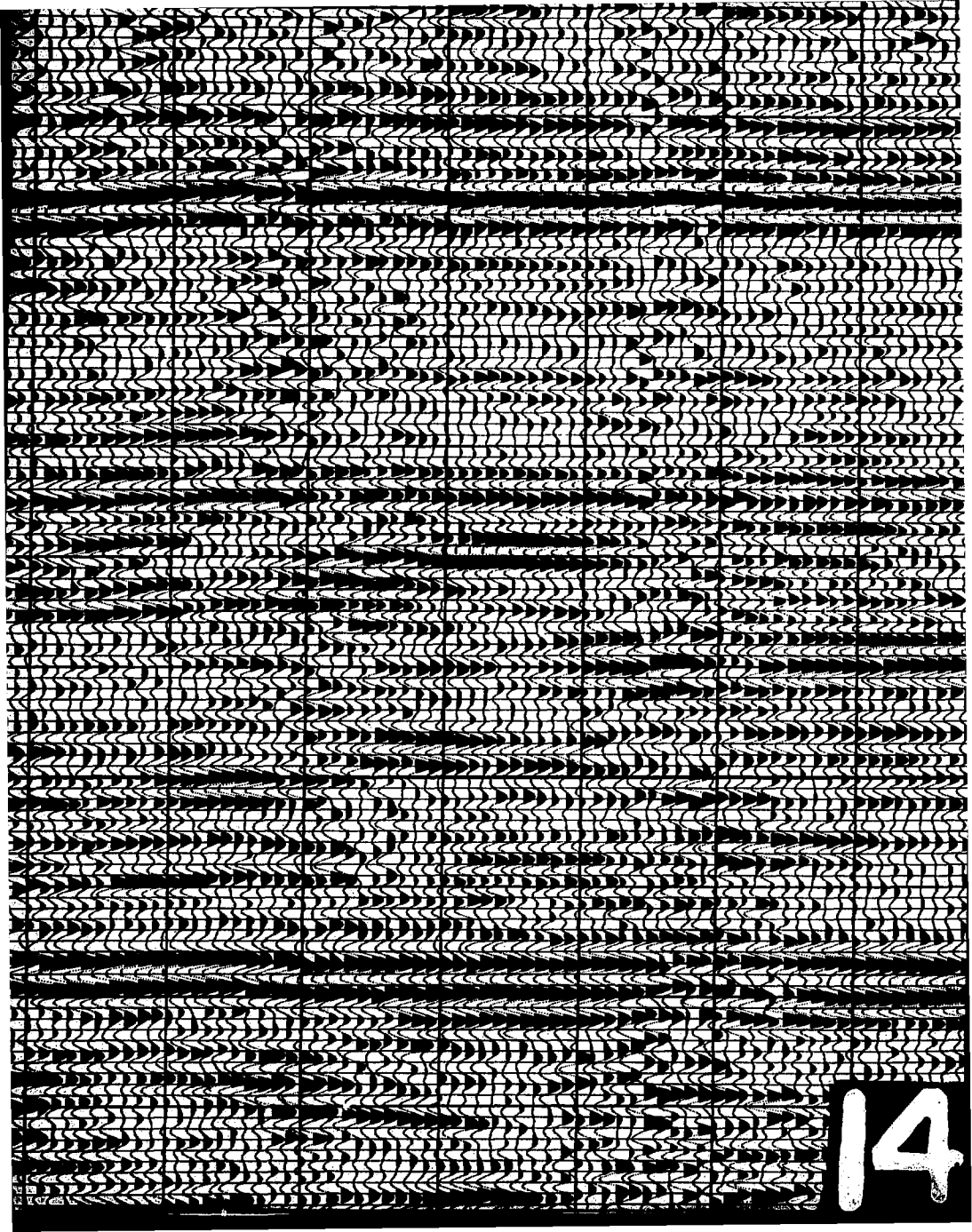
INPUT NEEL NUMBER INFORMATION

11/04/77  
1900  
2  
X-5

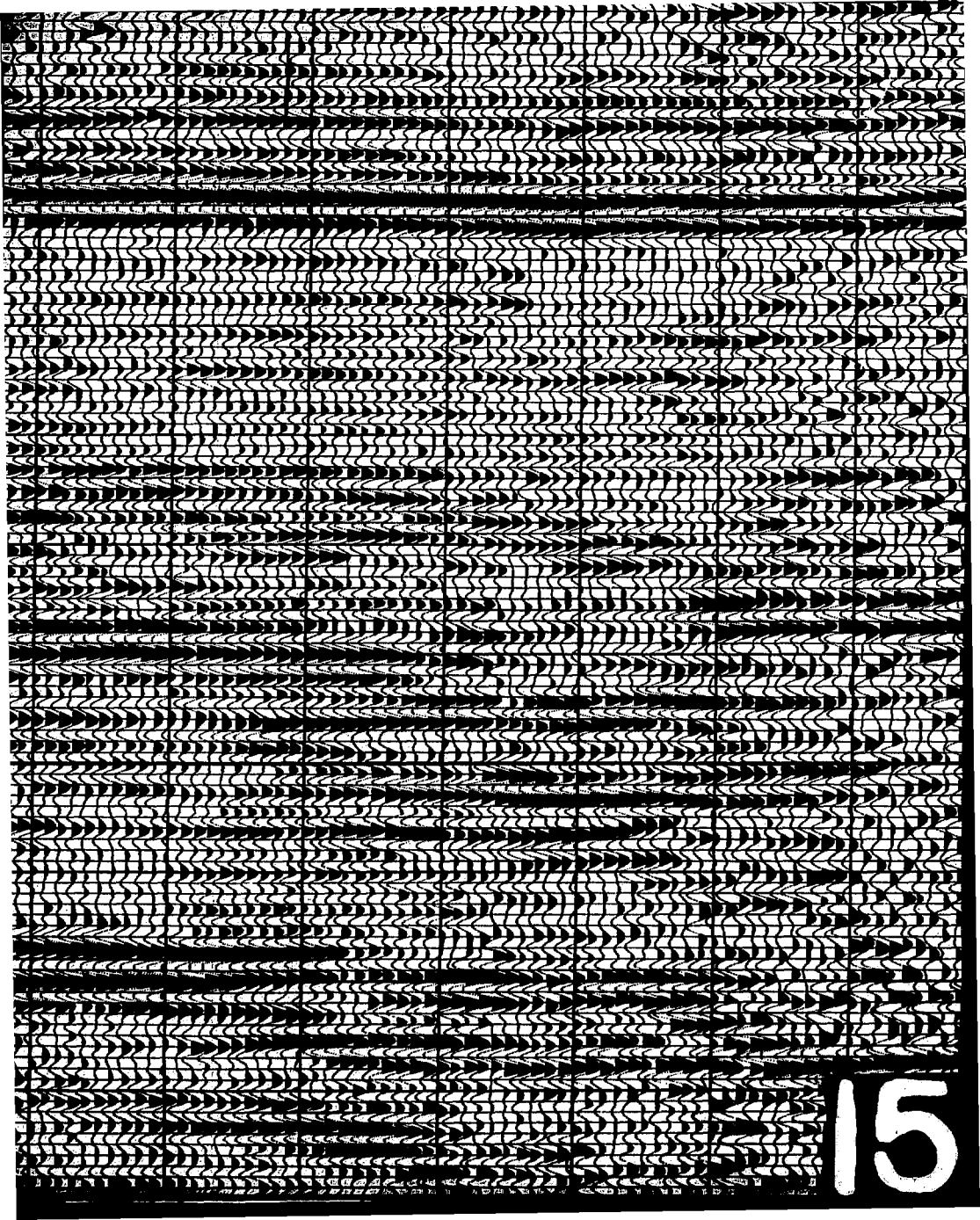
0.4  
0.5  
0.6  
0.7  
0.8  
0.9  
1.0  
1.1  
1.2  
1.3

13

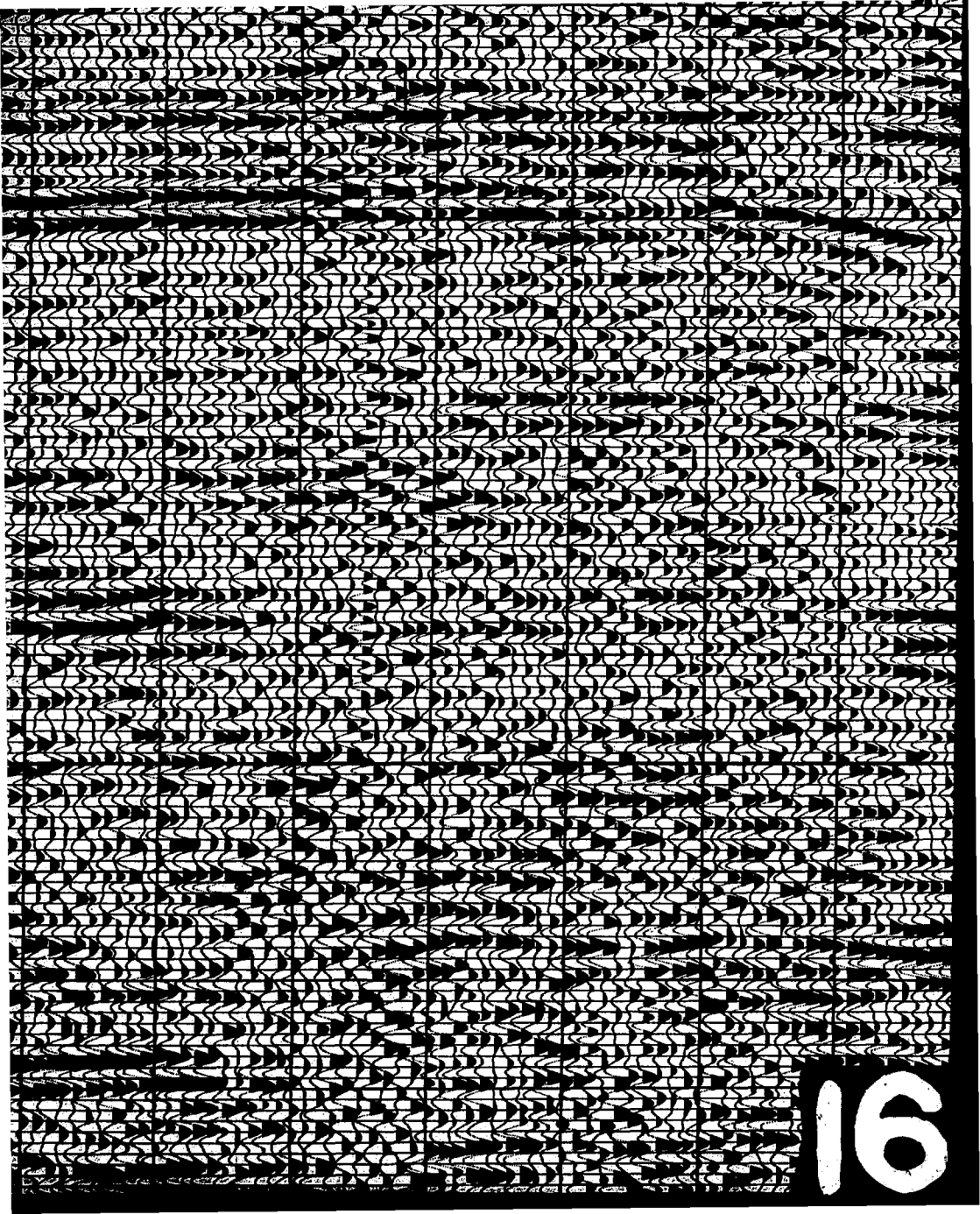


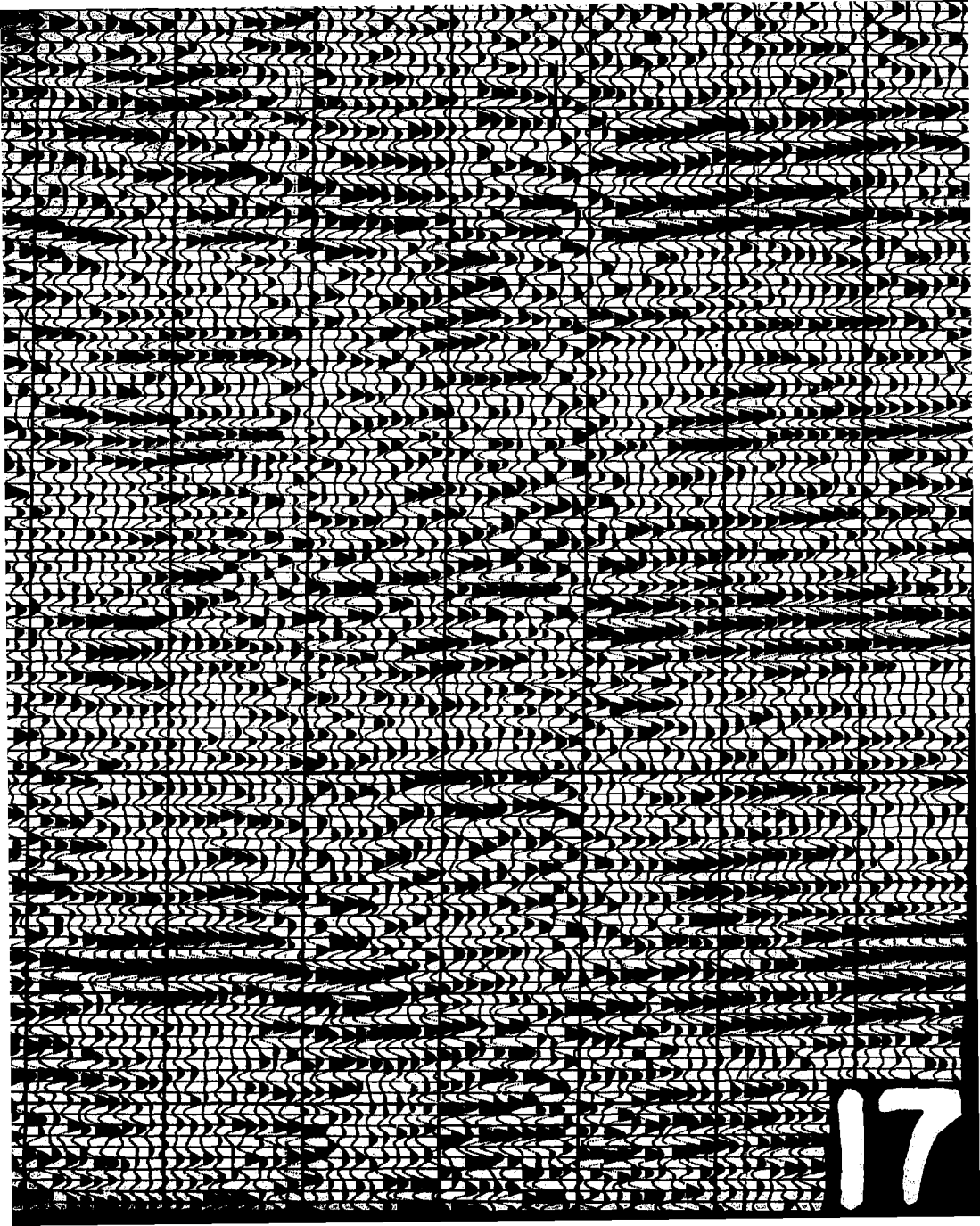


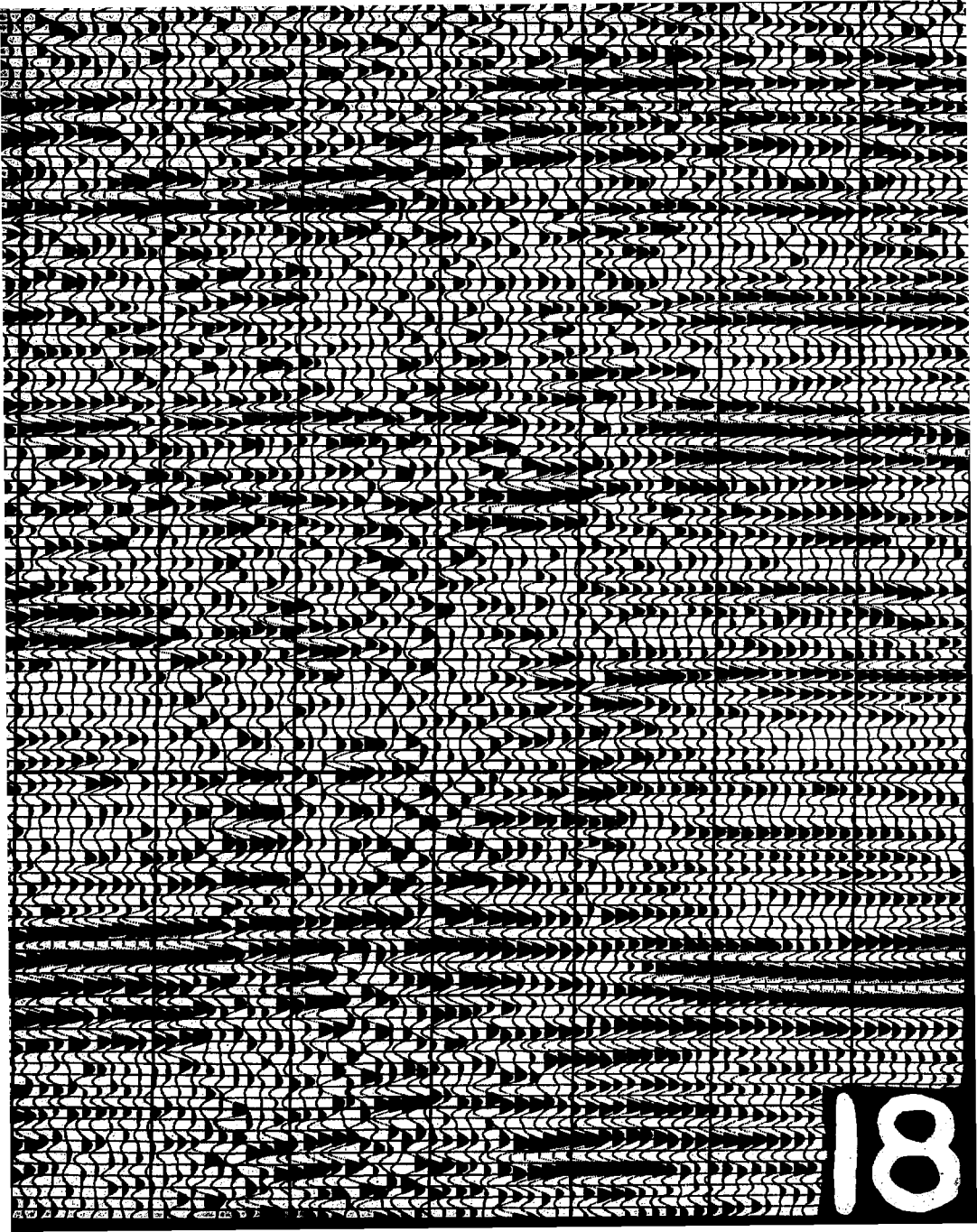




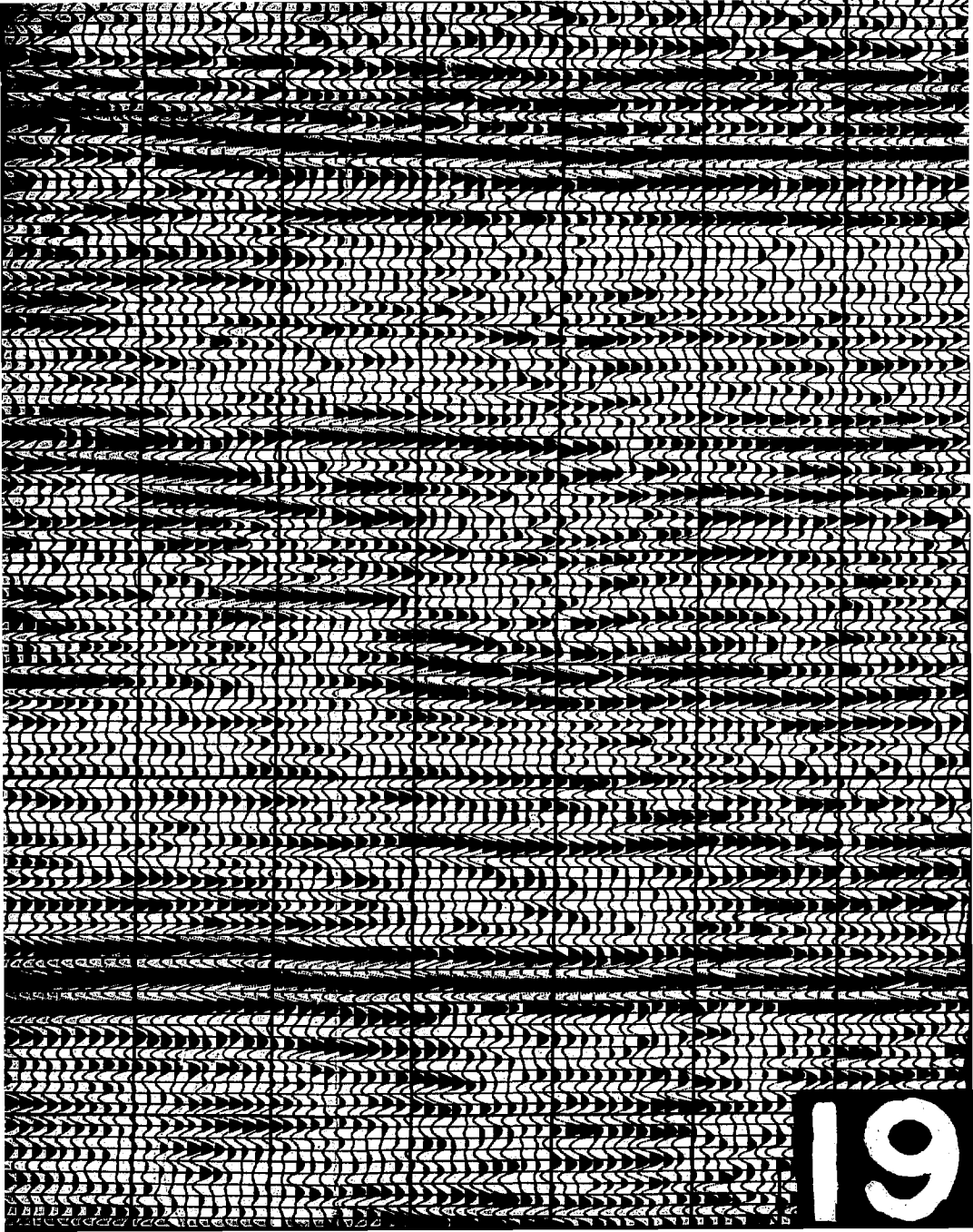
15







18



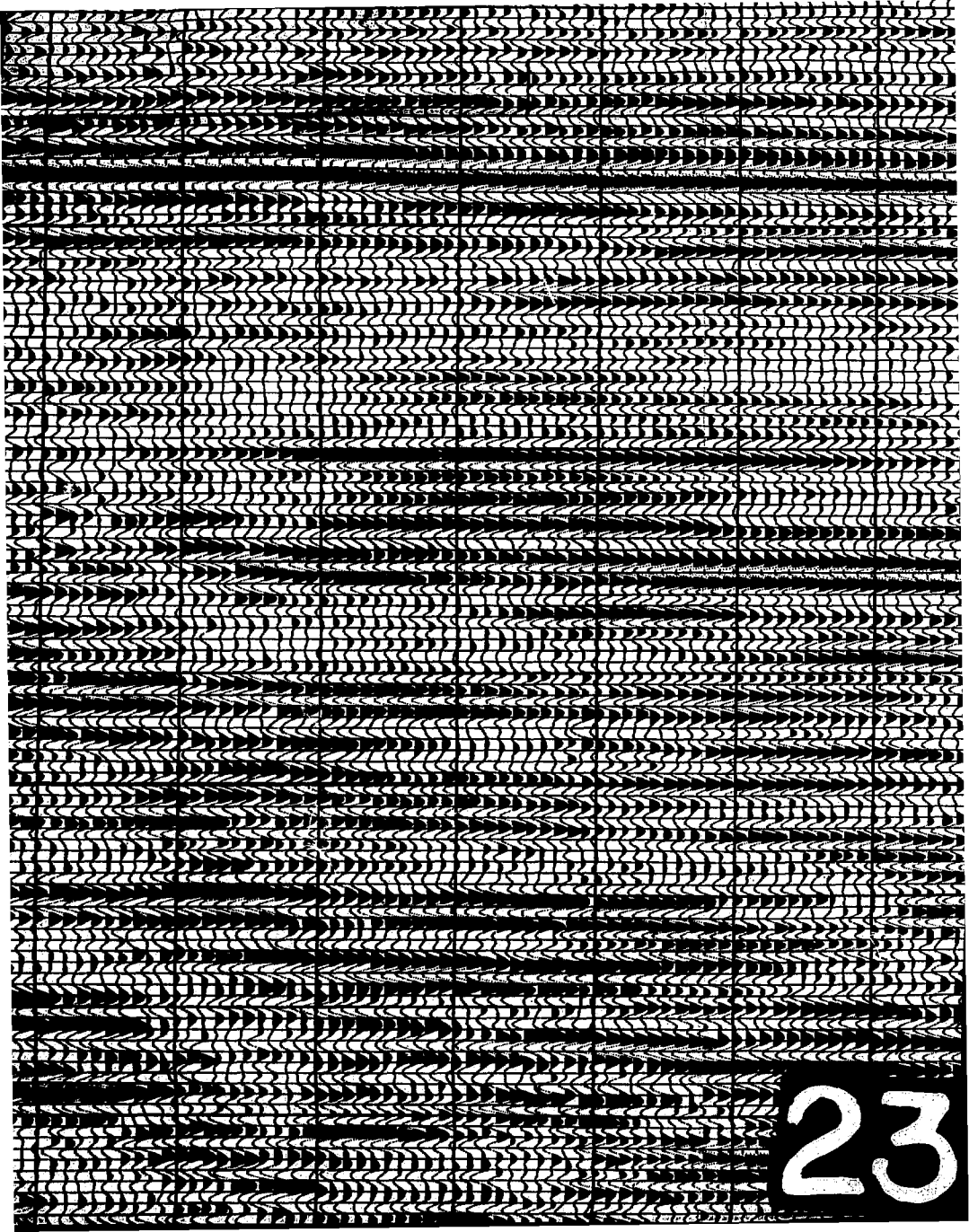




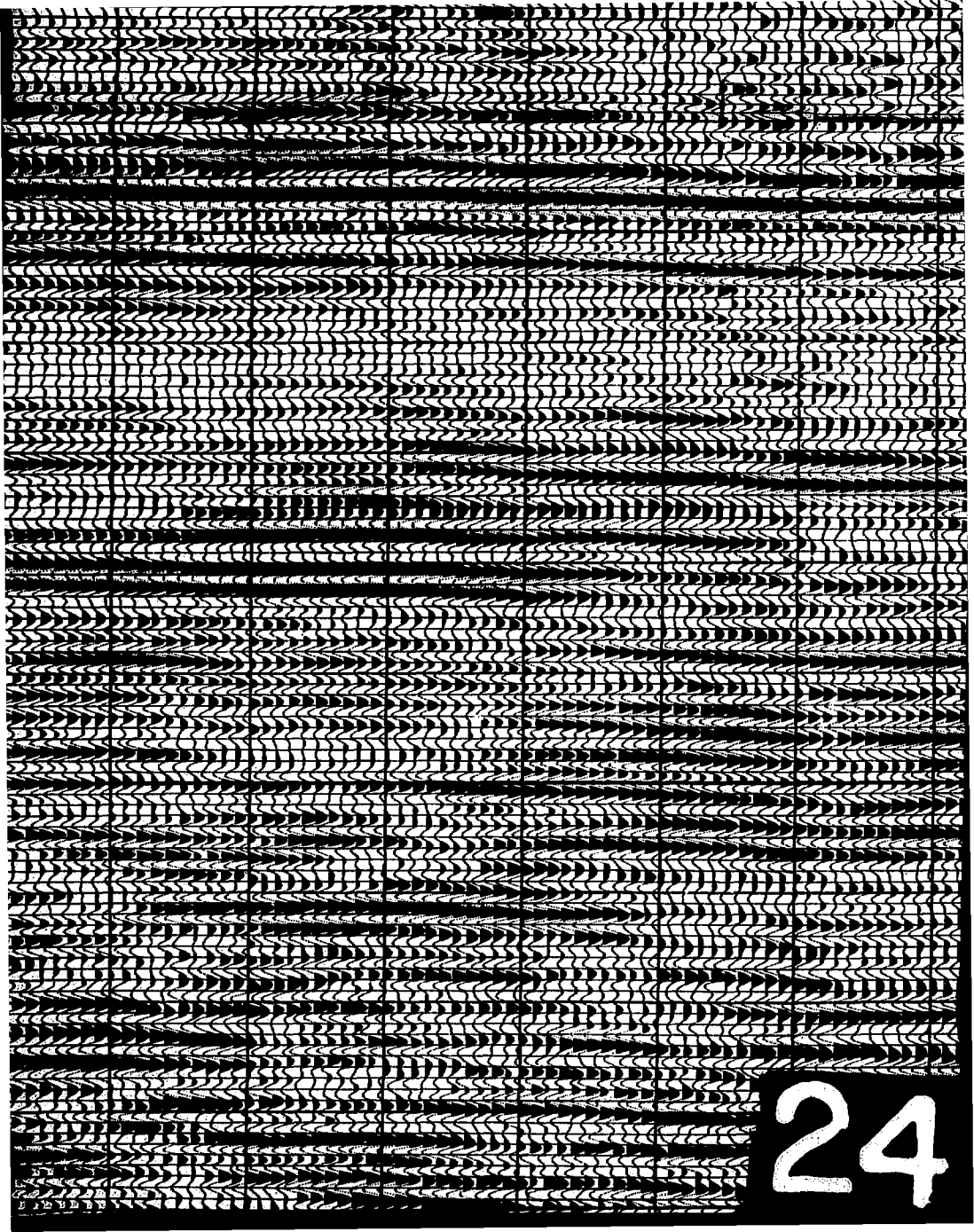


22



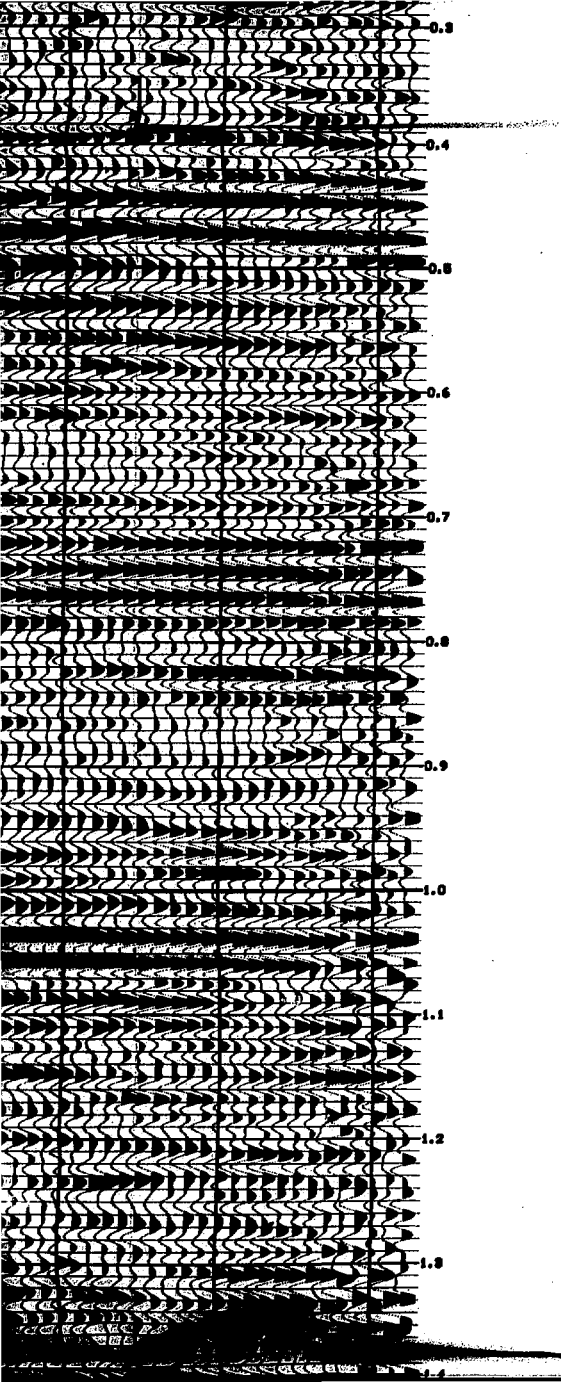


23



24





INPUT REEL HEADER INFORMATION

REEL NUMBER 11/04/77  
 DATE CHECKED 1000  
 NUMBER OF TRACKS 2  
 NUMBER OF REELS IN RILLS X-8  
 REEL TYPE  
 REEL NUMBER  
 REEL POSITION  
 PROCESSING STEP

FIELD INFORMATION

RECORDED BY: OREBER OLYMPIC	PARTY: NO. 62
DATE: OCTOBER 9, 1977	FILTER: 10/30-124 HZ
INSTRUMENTS: CPS I - DFB IV	SAMPLE RATE: 250
SWITCH FILTER: IN	SOURCE: VIBROSEIS
RECORD LEN: 16 SEC.	SEIMP LEN: 12 SEC.
SEIMP PRG: 20-100 HZ	NS/GRUPLS 24
STN INV: 110 FT.	VIB. INV: 110 FT.
SSS PER STN: 6	SSS TYPE: 00C-200
ARRAY TYPE: INLINE	TYPE COVER: 1200 PCHT

PROCESSING SEQUENCE

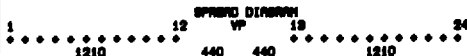
PROCESSED BY OREBER OLYMPIC

STATICS COMPUTATION

DATUM: 3000 FT.  
 VSB: 6000 FT./SEC.

- 1) DEMULTIPLY
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT SORTING
- 5) DECONVOLUTION  
 OPERATOR LENGTH=140 HILS  
 PREDICTION TIME BAND ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-9.0 SEC. 20-60 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NS
- 10) FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-9.0 SEC. 20-60 HZ
- 13) DIGITAL AGC
- 14) DISPLAY  
 8 TR/IN  
 10 IN/SEC.

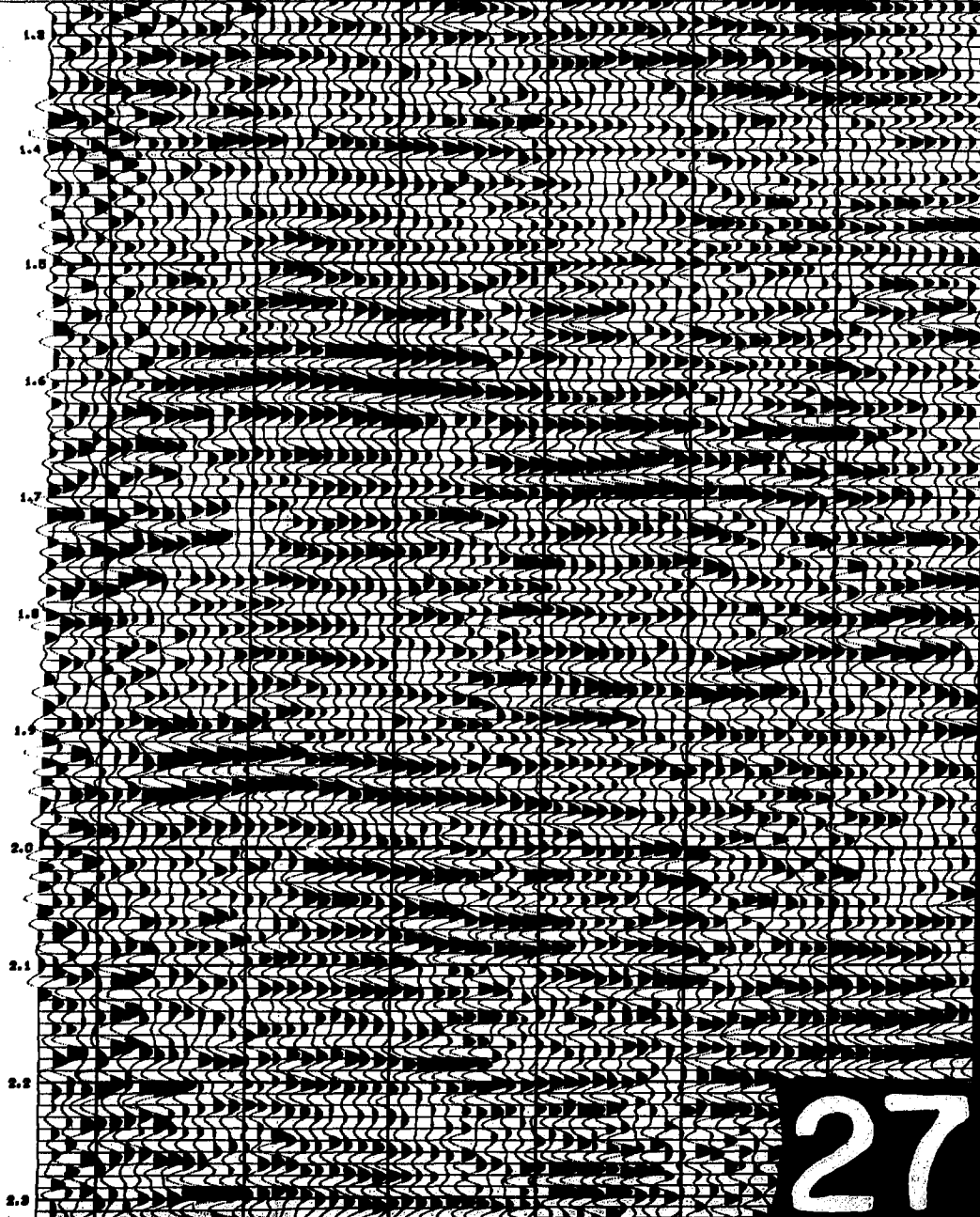
26



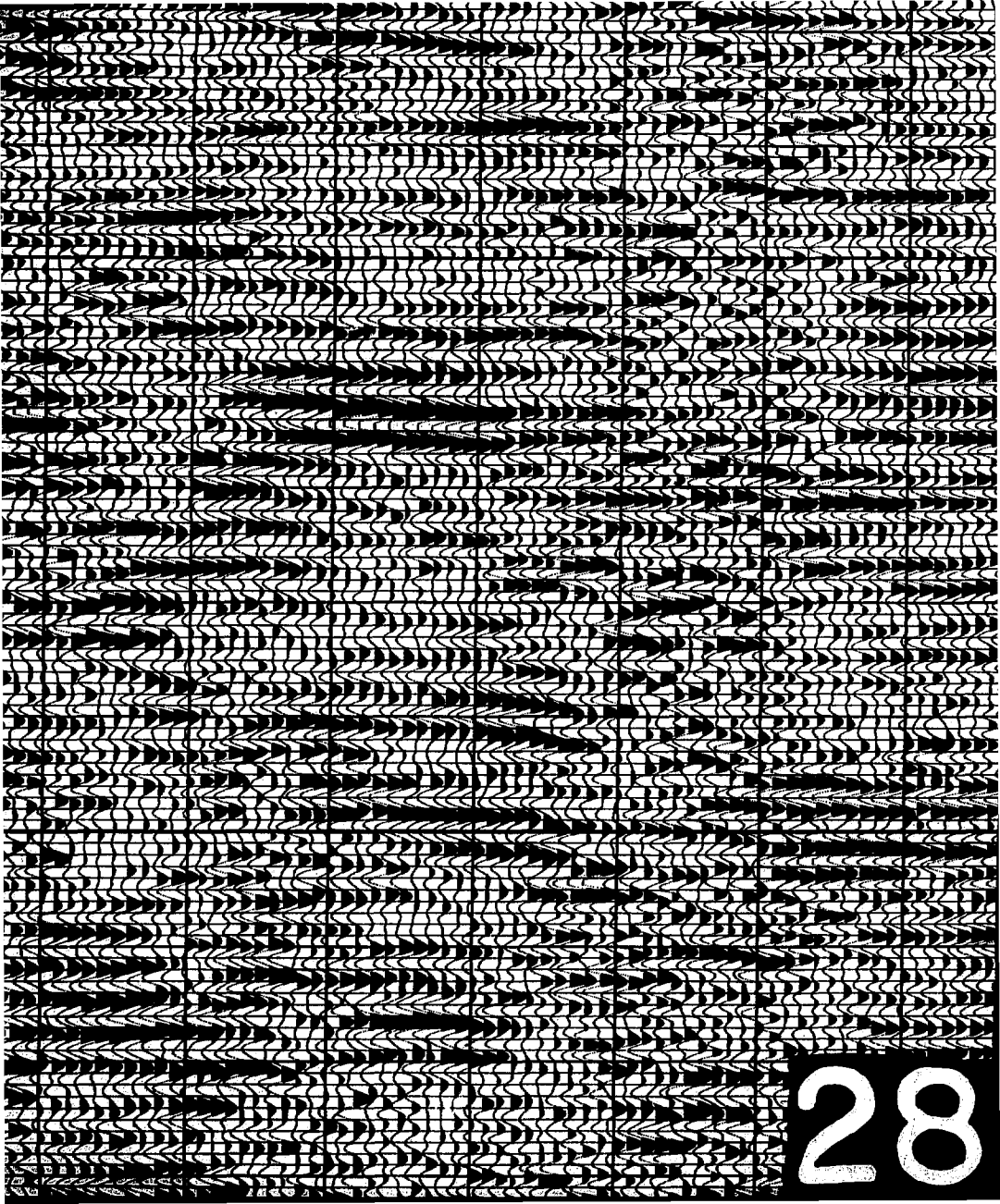
\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN  
 ORIGINAL SCALE 8. 300 TR/IN  
 PRINTING SCALE 10. IN/SEC  
 PRINTING DIRECTION L/R  
 POLARITY NEG BLACK/VE

\*\*\*\*\*  
 ON REEL 8  
 \*\*\*\*\*

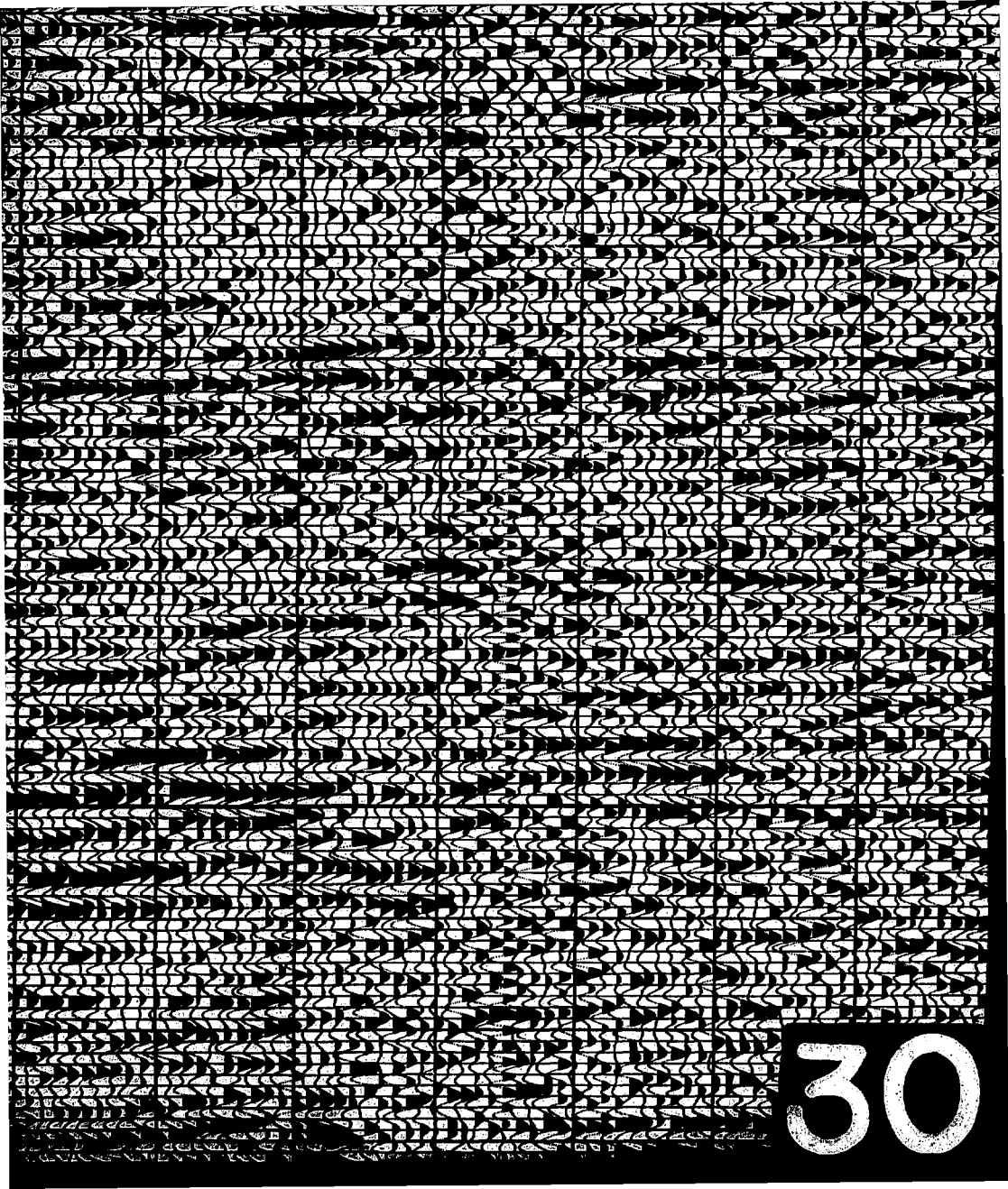


27



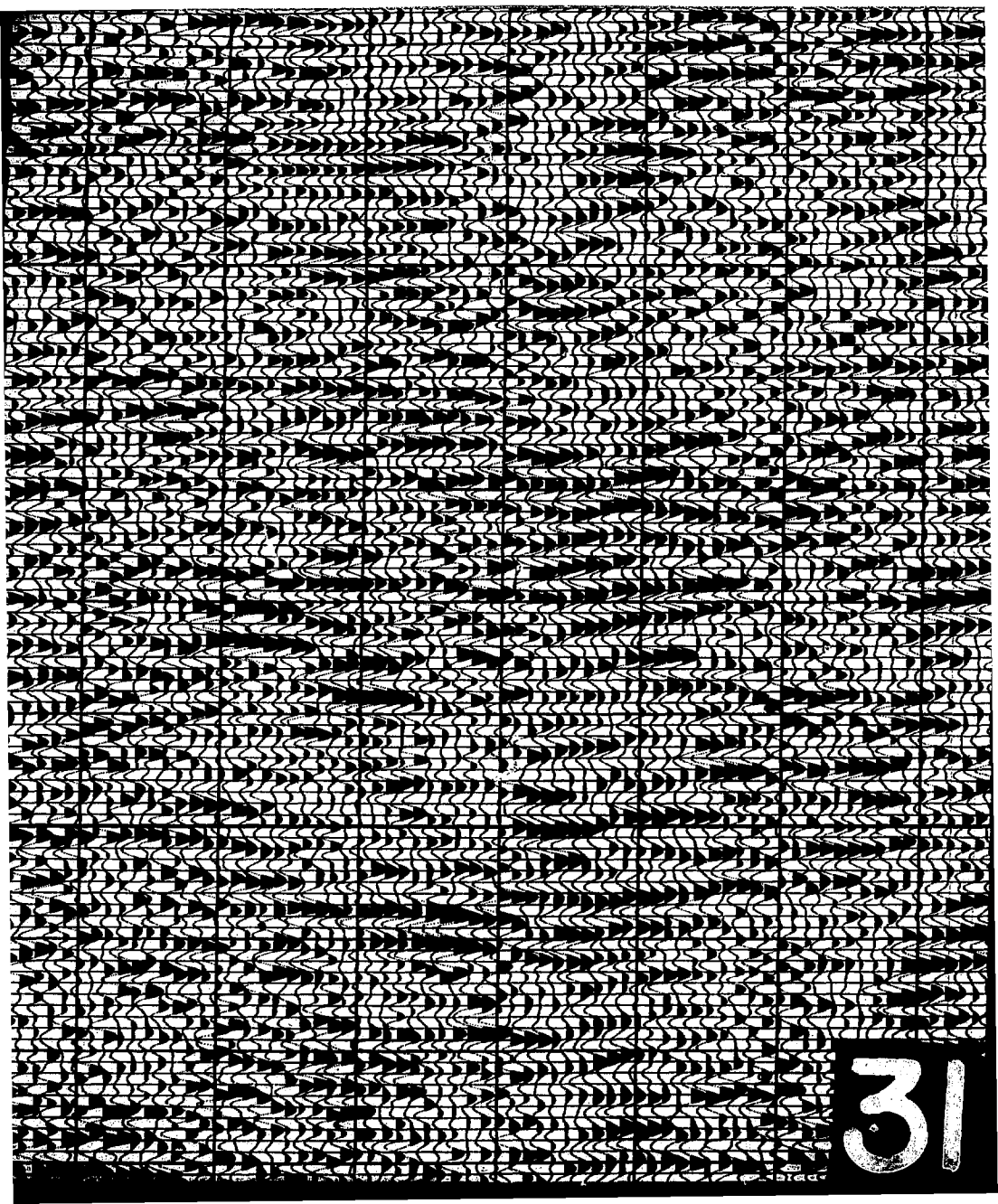
28



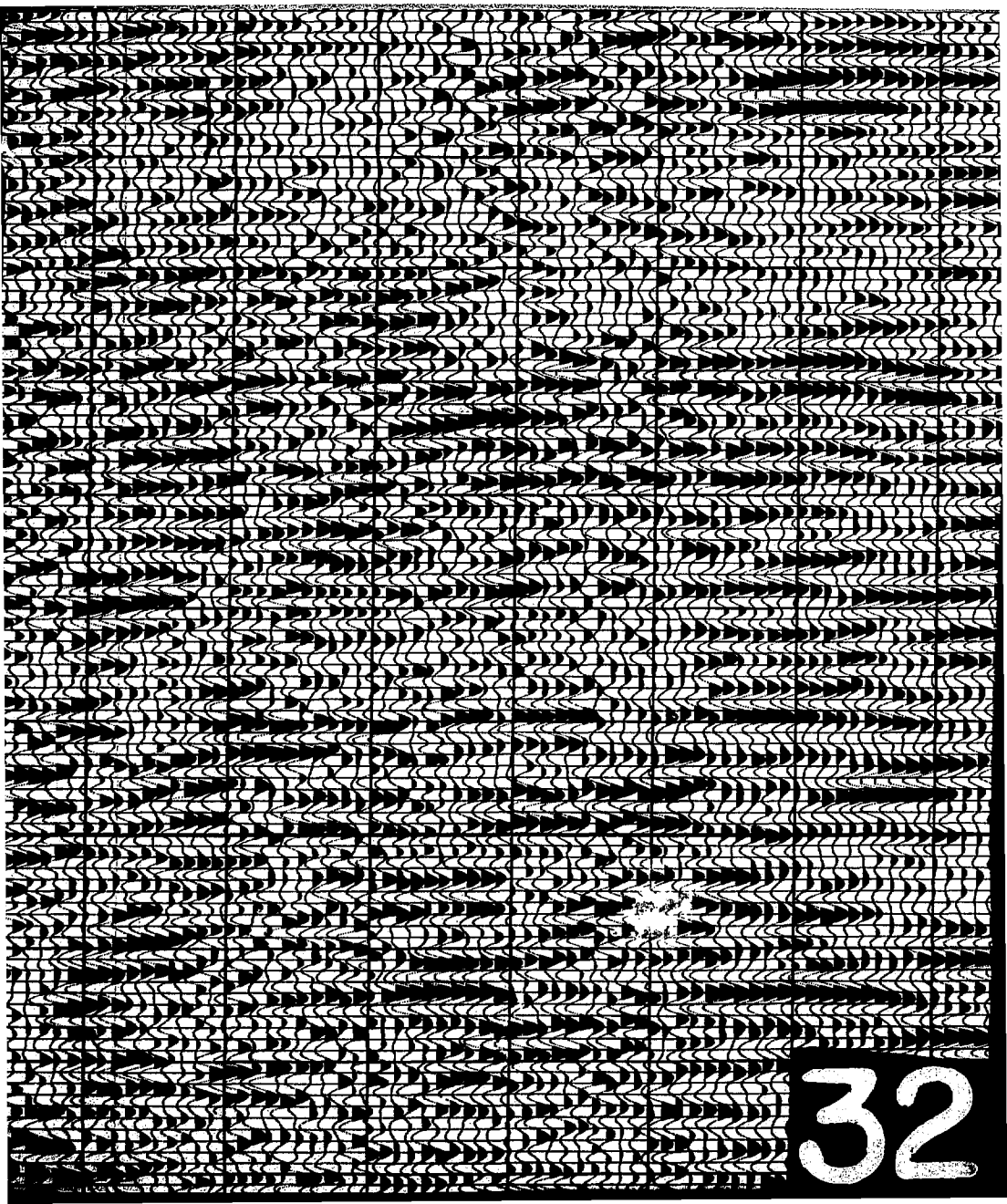


30

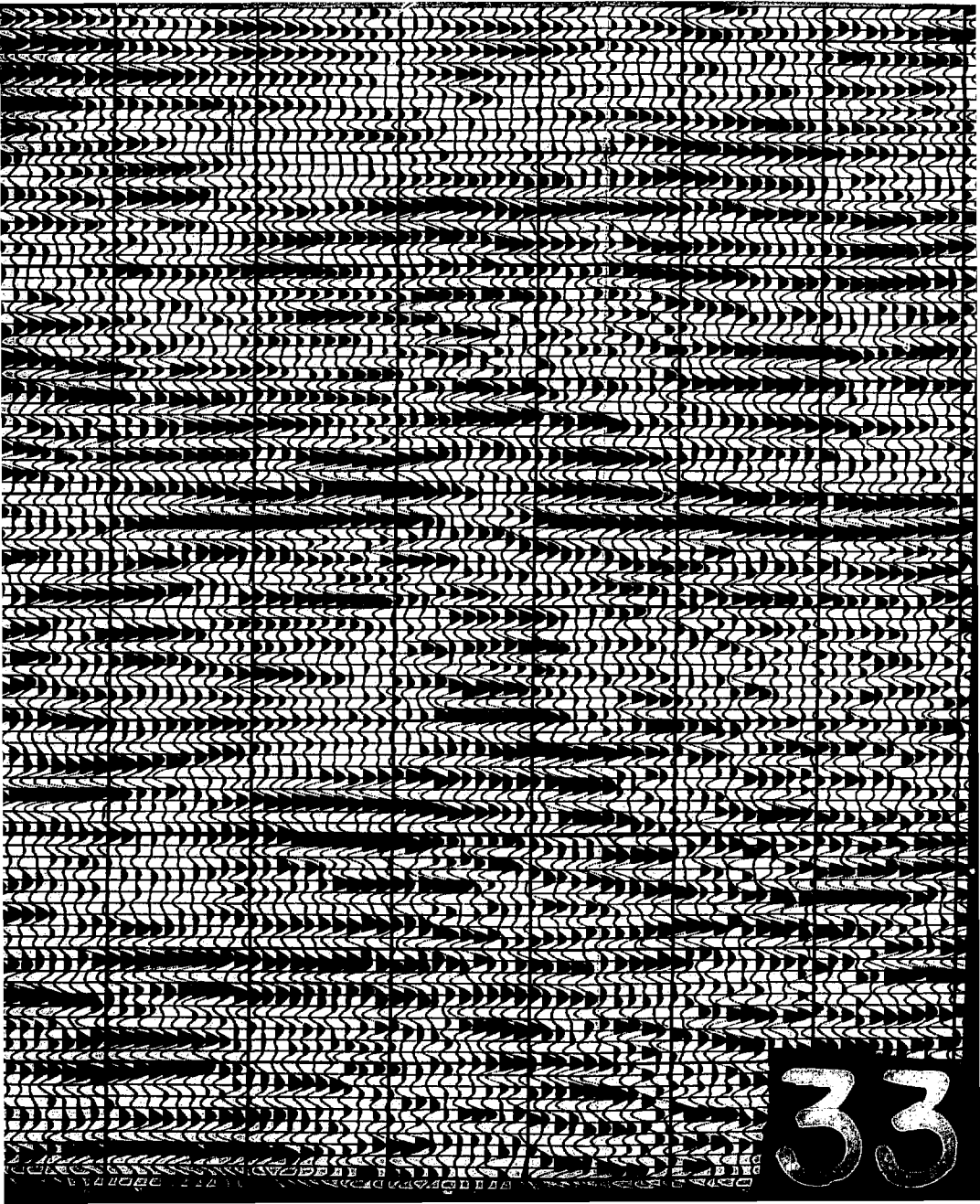




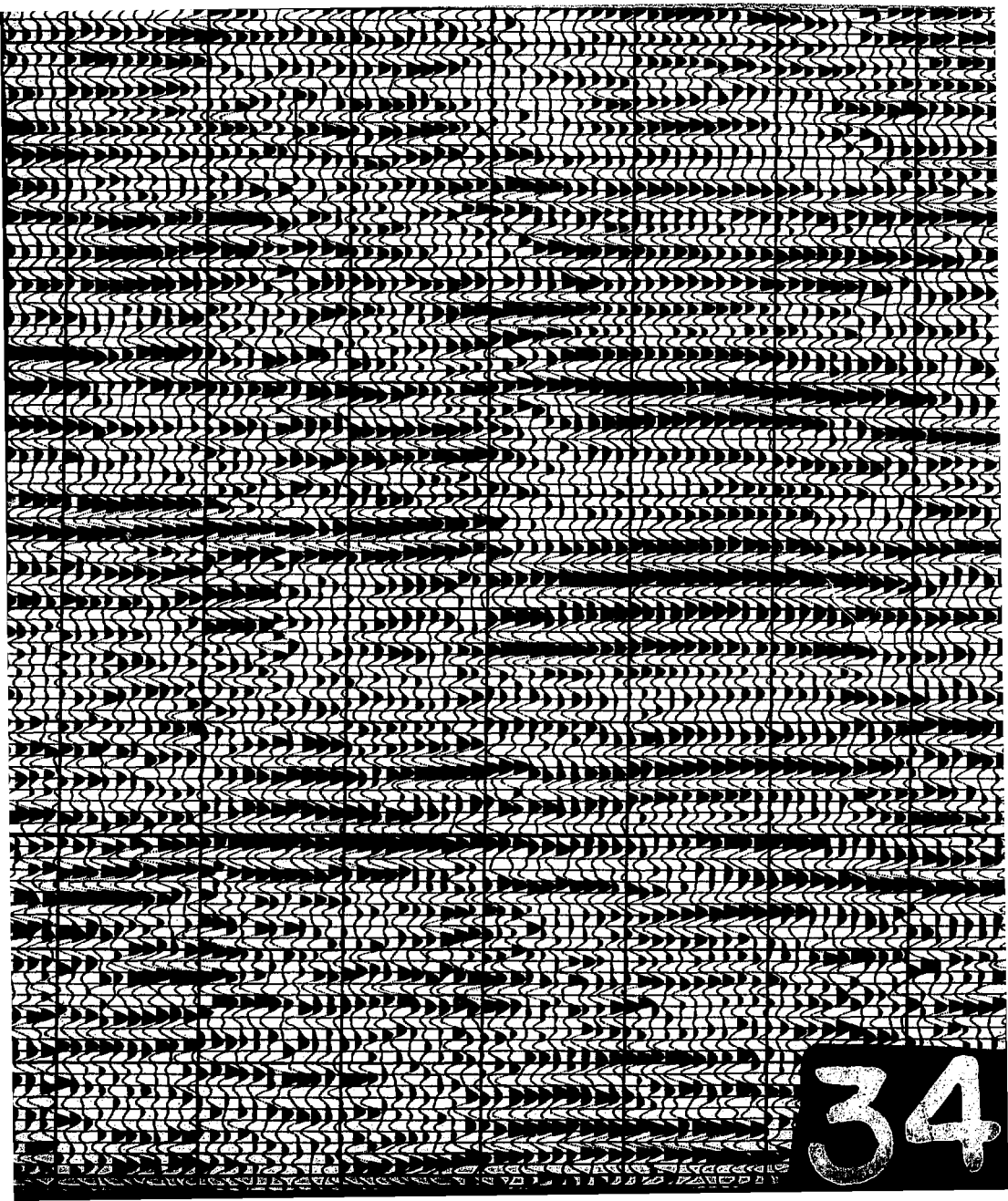
31



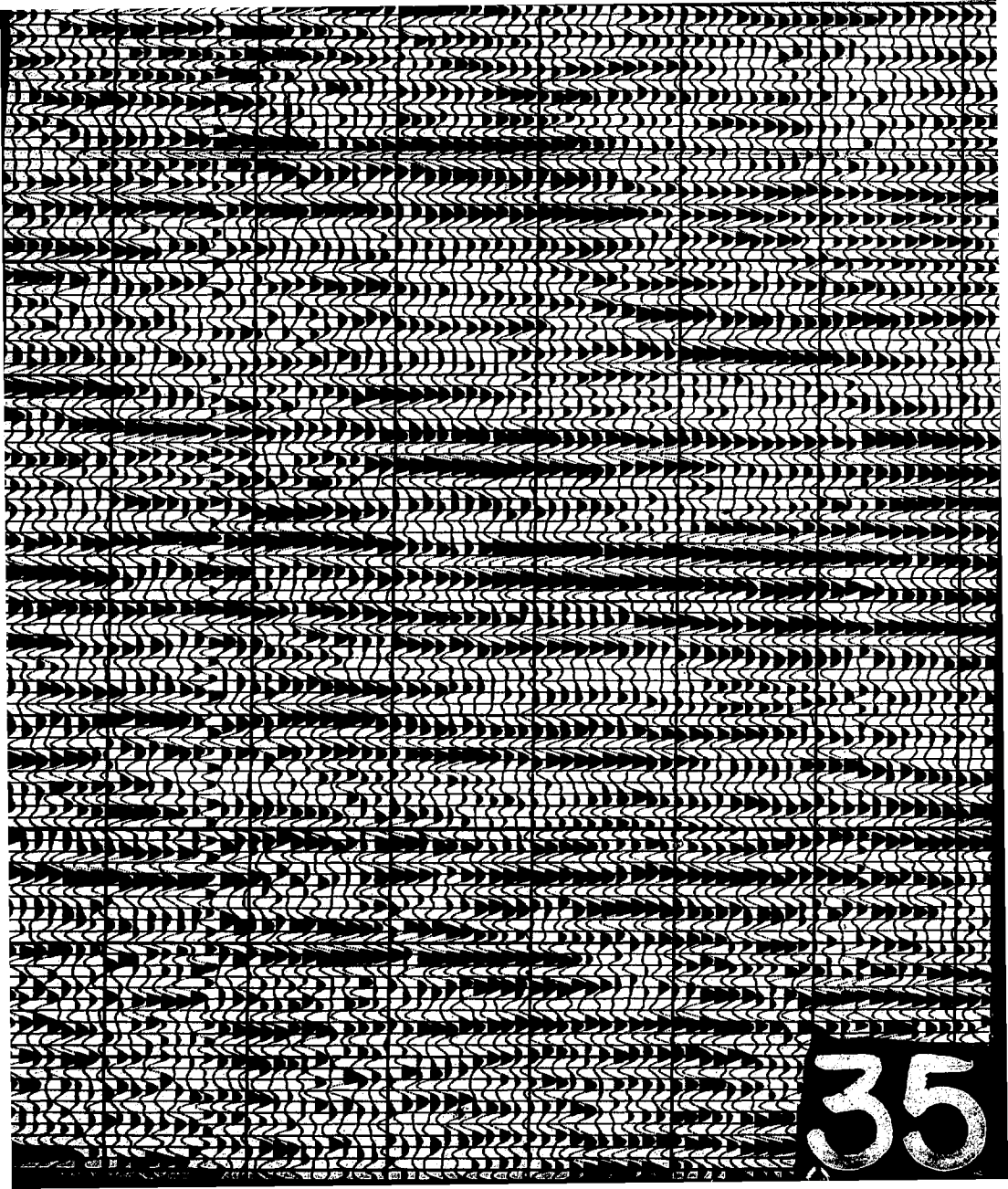
32



33



34



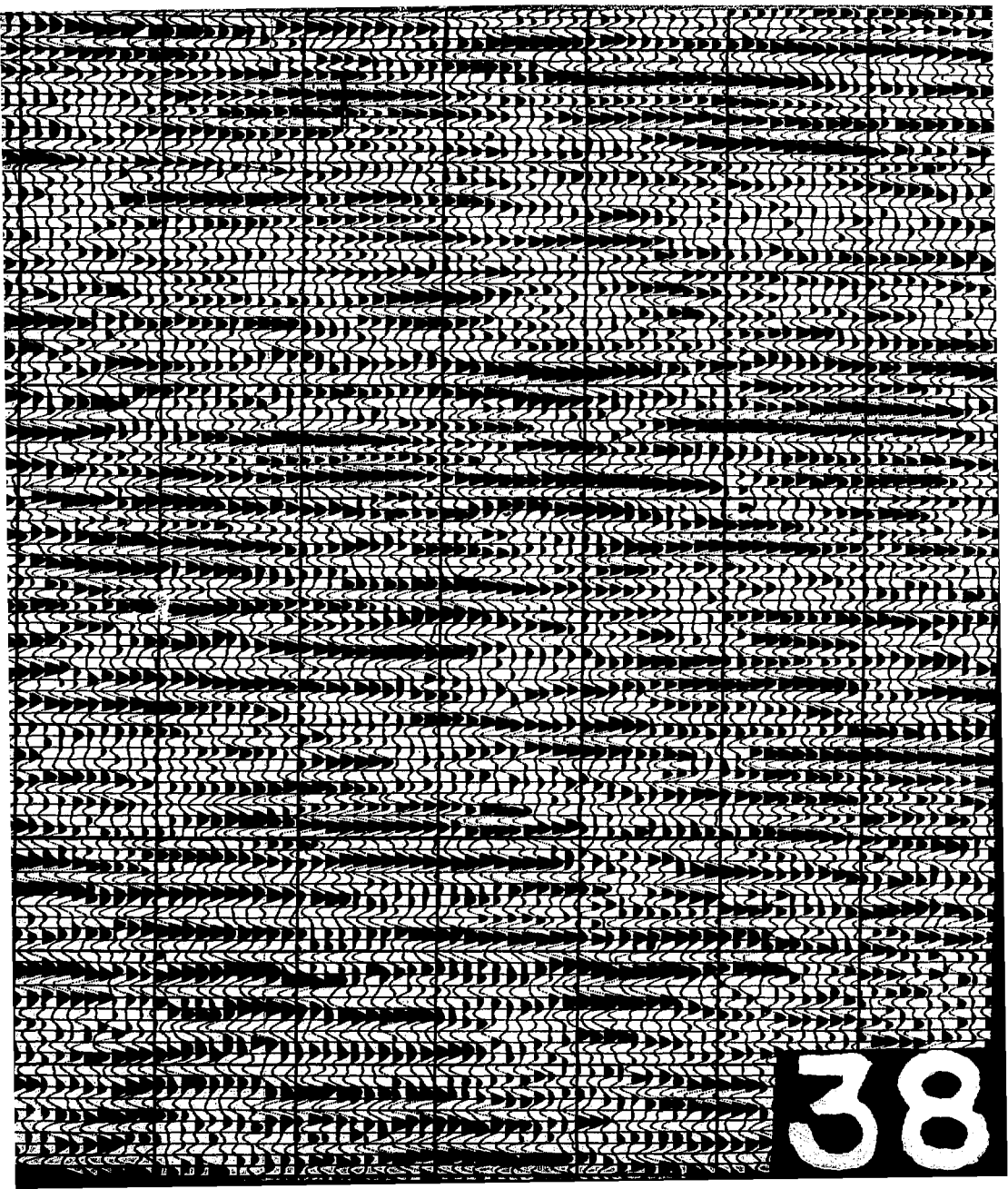
35



36



37



38

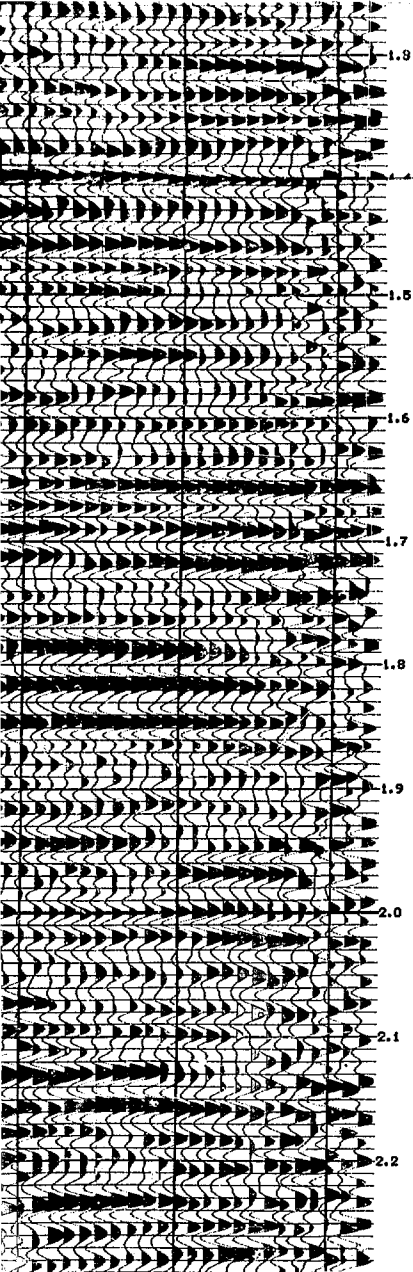




39

PERCENT GAIN 200  
HORIZONTAL SCALE 0. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION L/R  
PERCENT BAR 0  
POLARITY BLACK/VE

\*\*\*\*\*  
DATA PROCESSED BY  
JACKSON ELY/PC  
\*\*\*\*\*

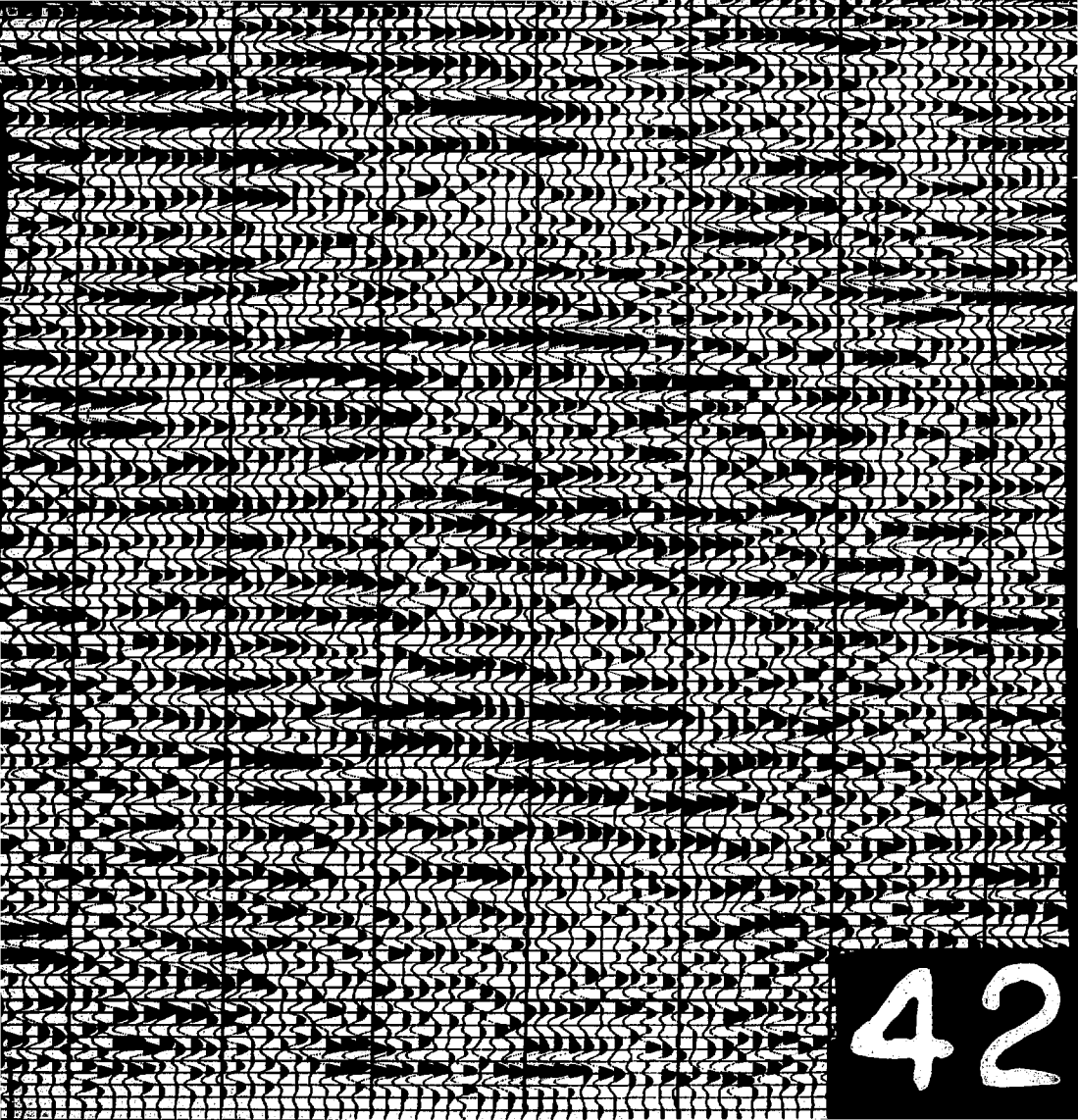


1.0  
1.5  
1.6  
1.7  
1.8  
1.9  
2.0  
2.1  
2.2

40

2.1  
2.2  
2.3  
2.4  
2.5  
2.6  
2.7  
2.8  
2.9  
3.0

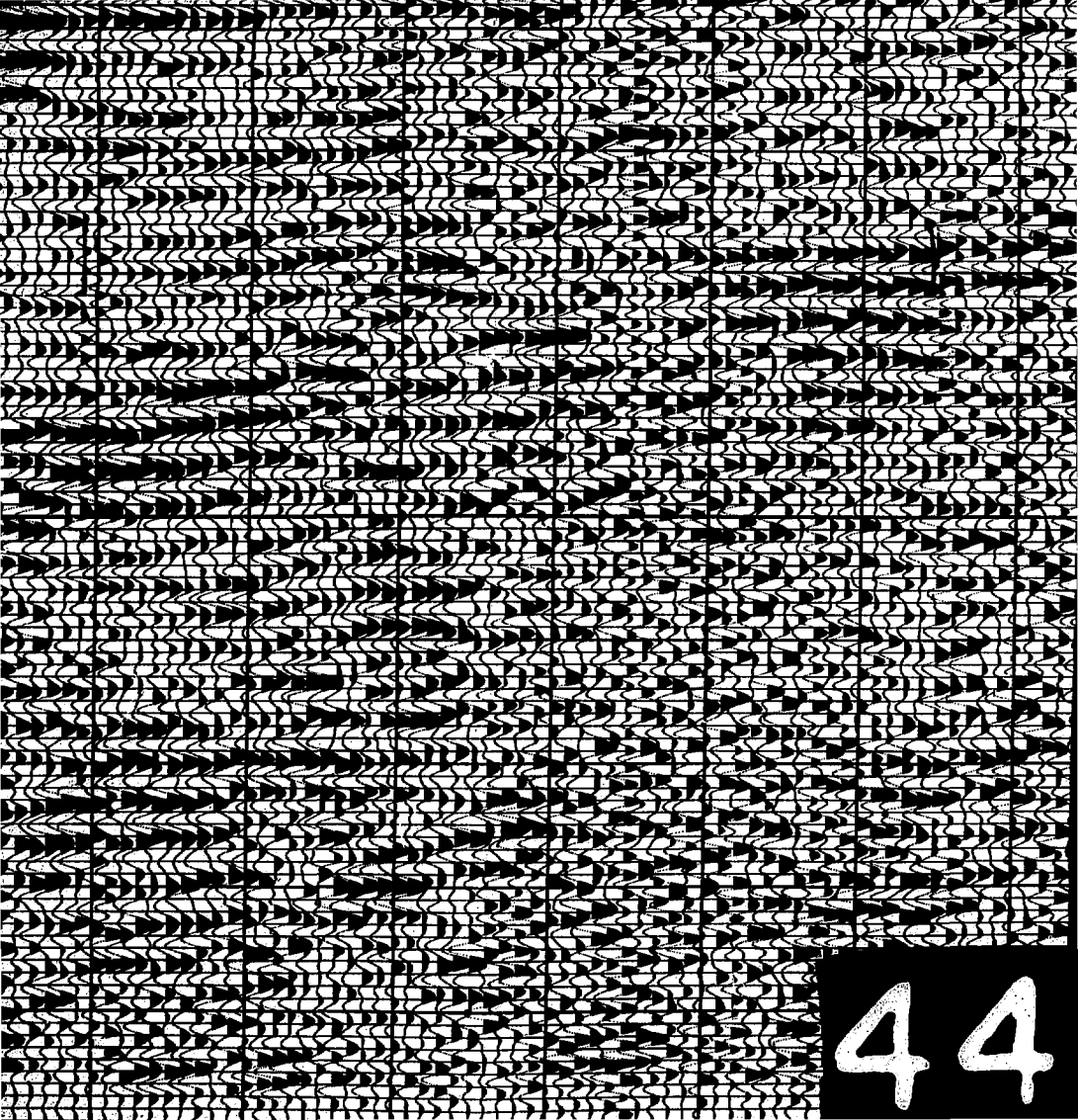
41



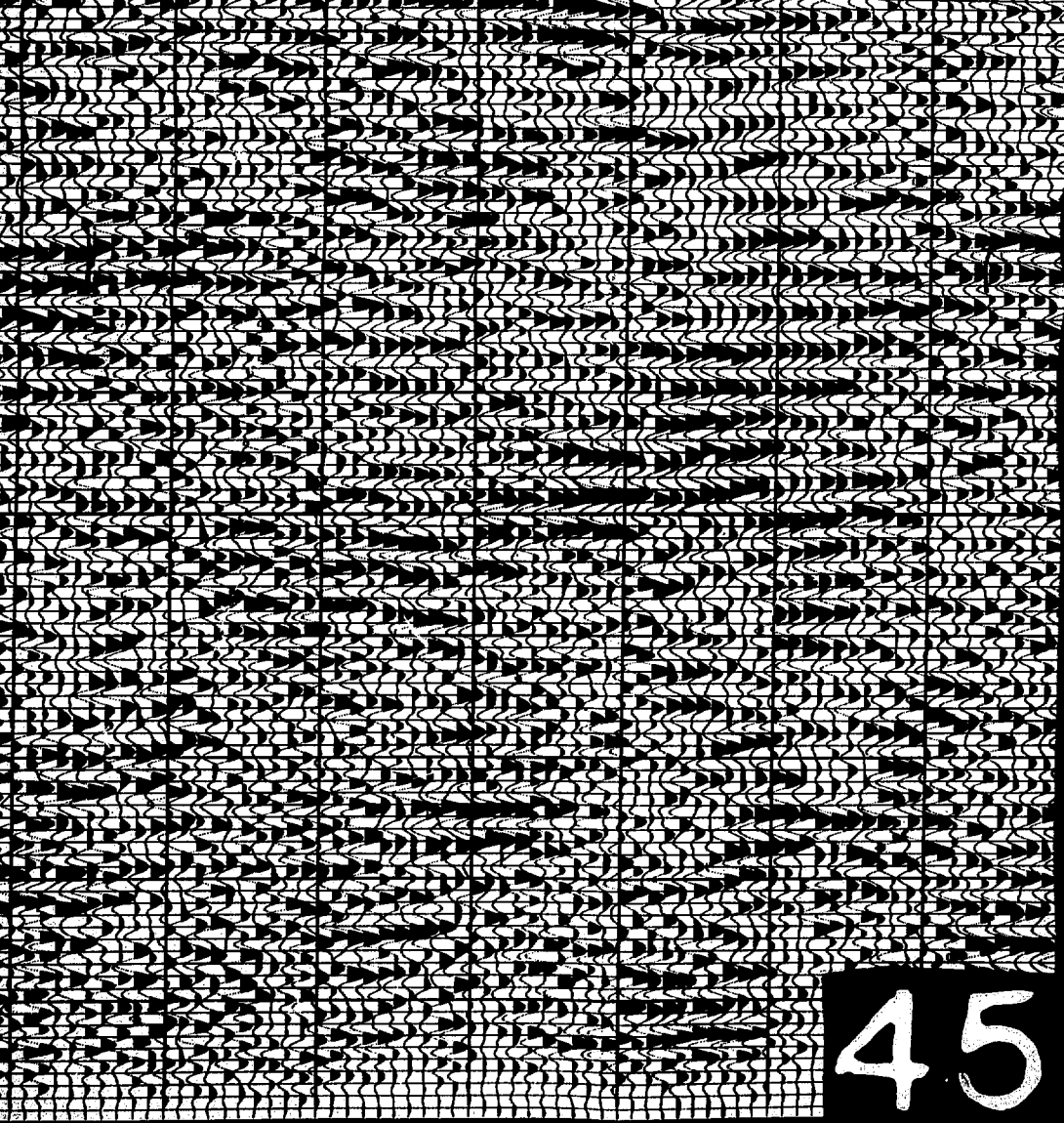
42



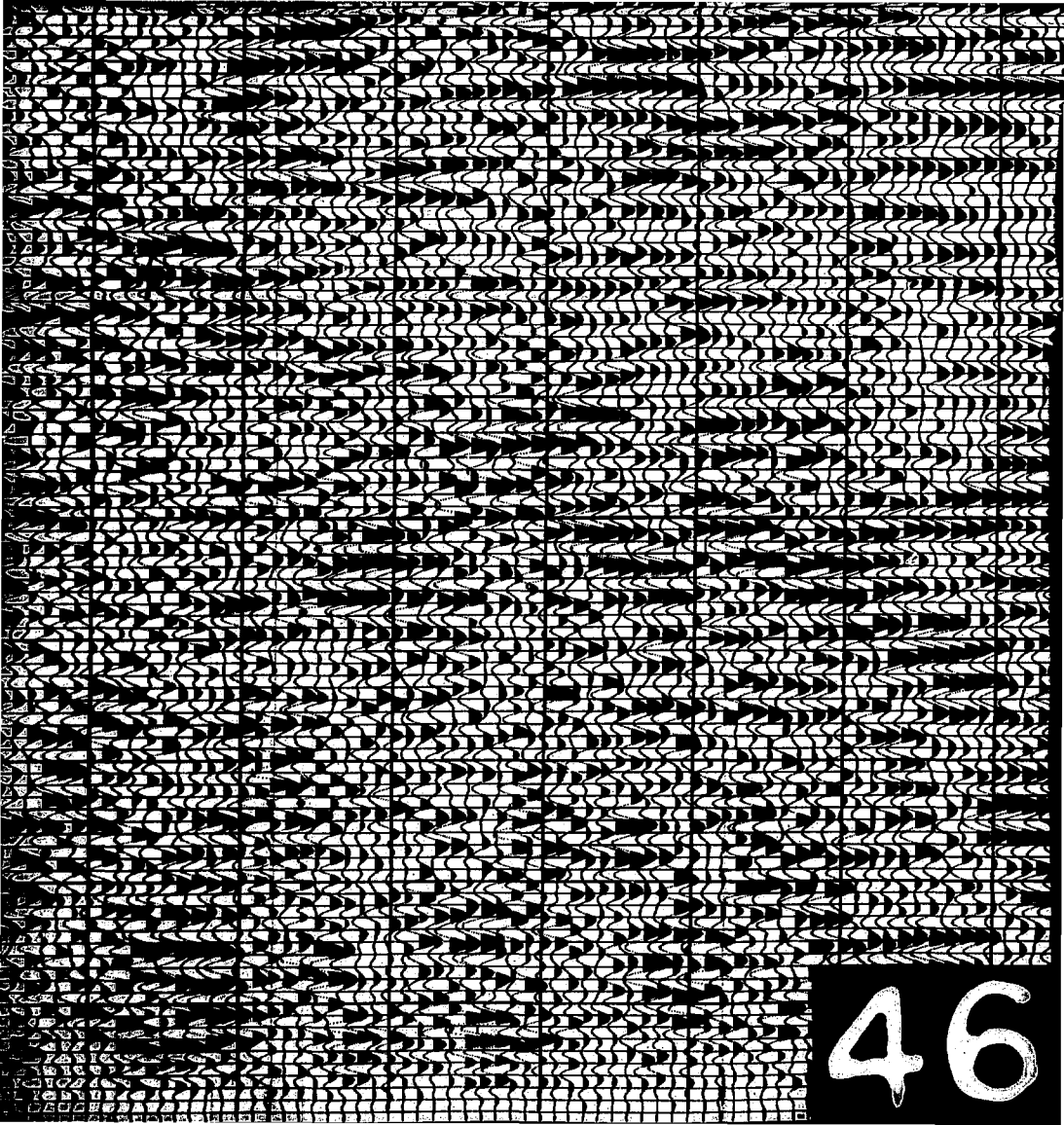
43



44

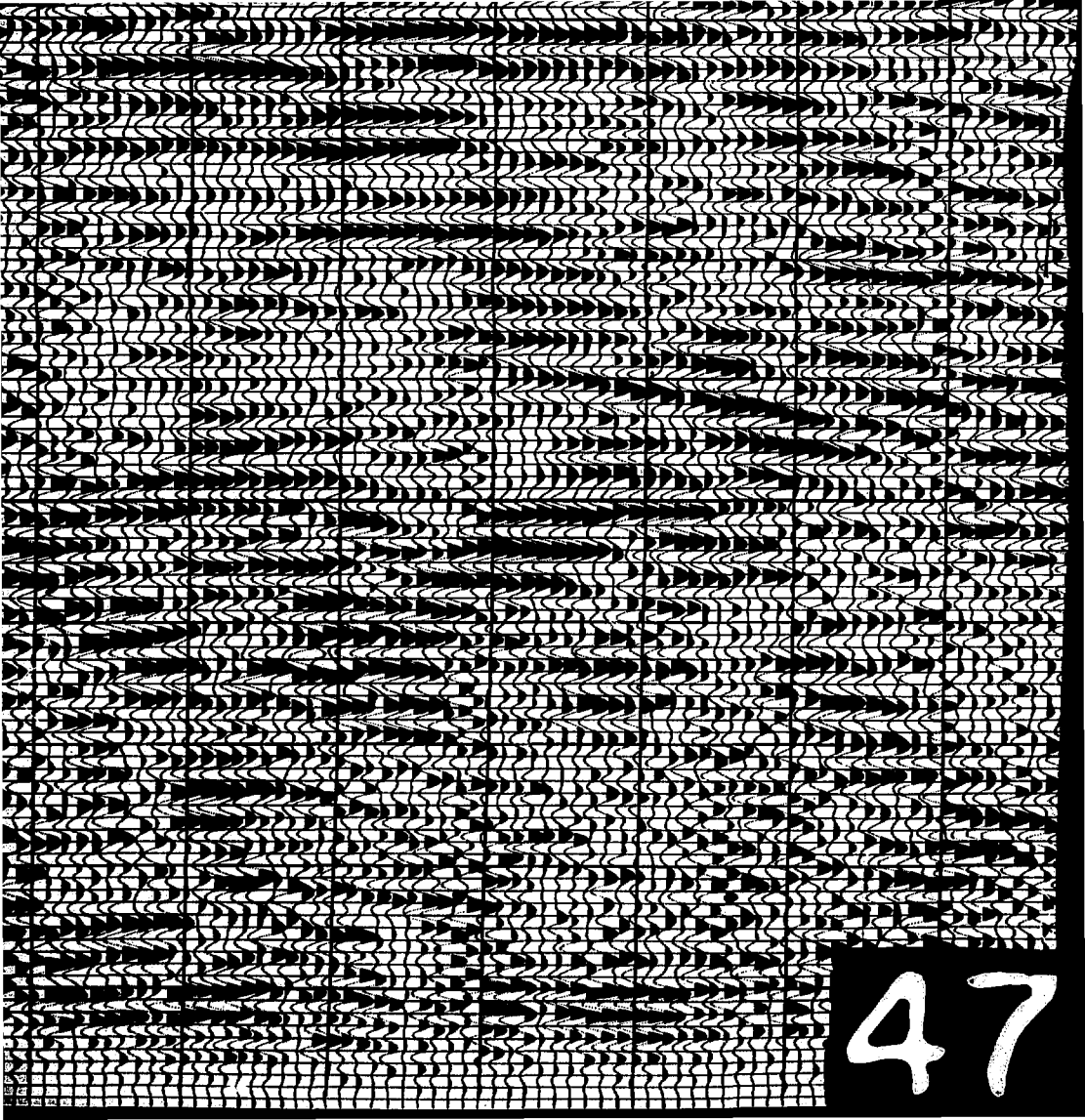


45



46

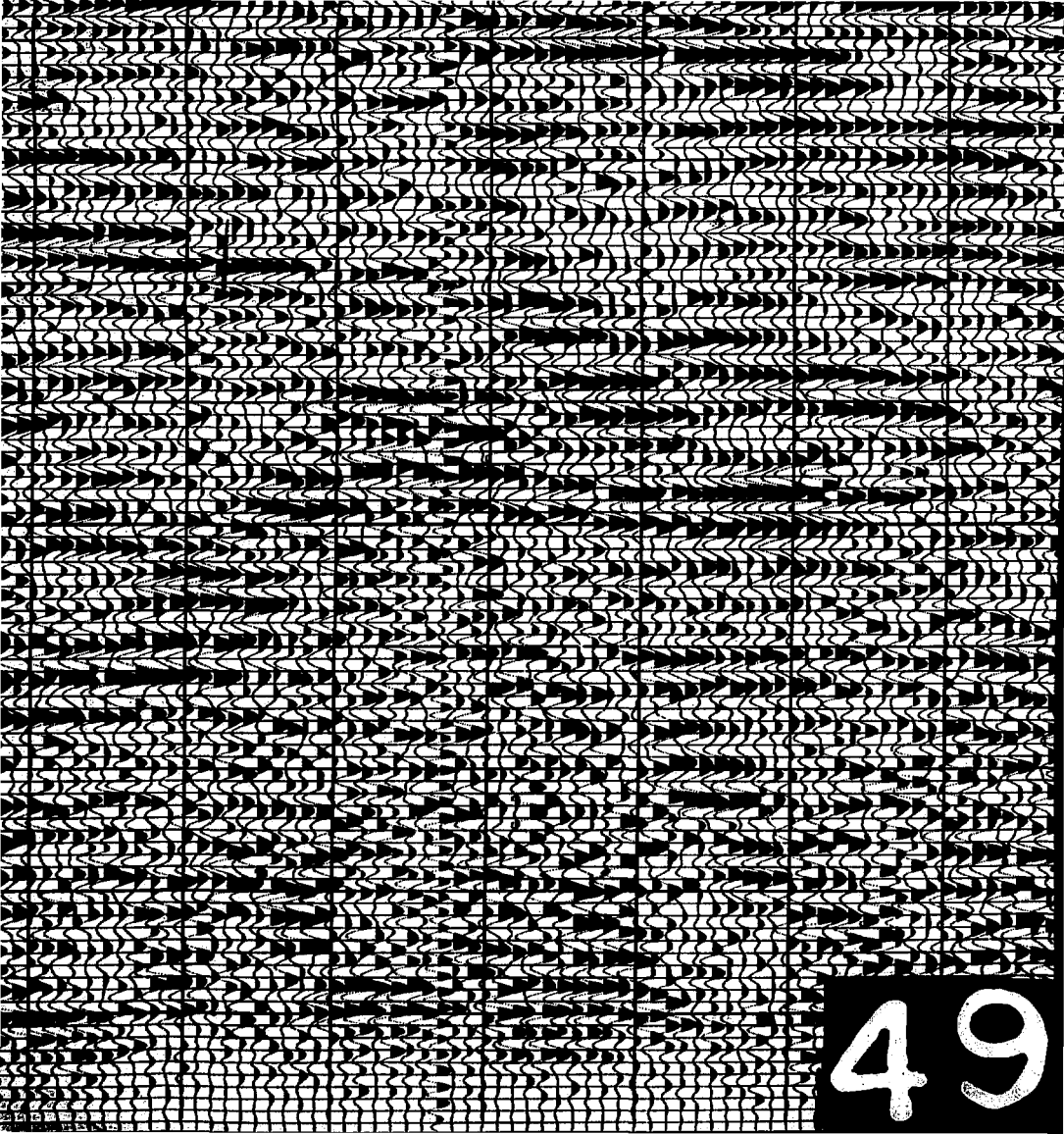




47

The image consists of a dense, black and white halftone pattern. The pattern is composed of small, irregular shapes that create a textured, woven appearance. A grid of thin, black lines is overlaid on the pattern, forming a series of vertical and horizontal rectangles. The grid lines are spaced evenly across the page. In the bottom right corner, there is a solid black rectangular area containing the white number '48' in a large, bold, sans-serif font.

48

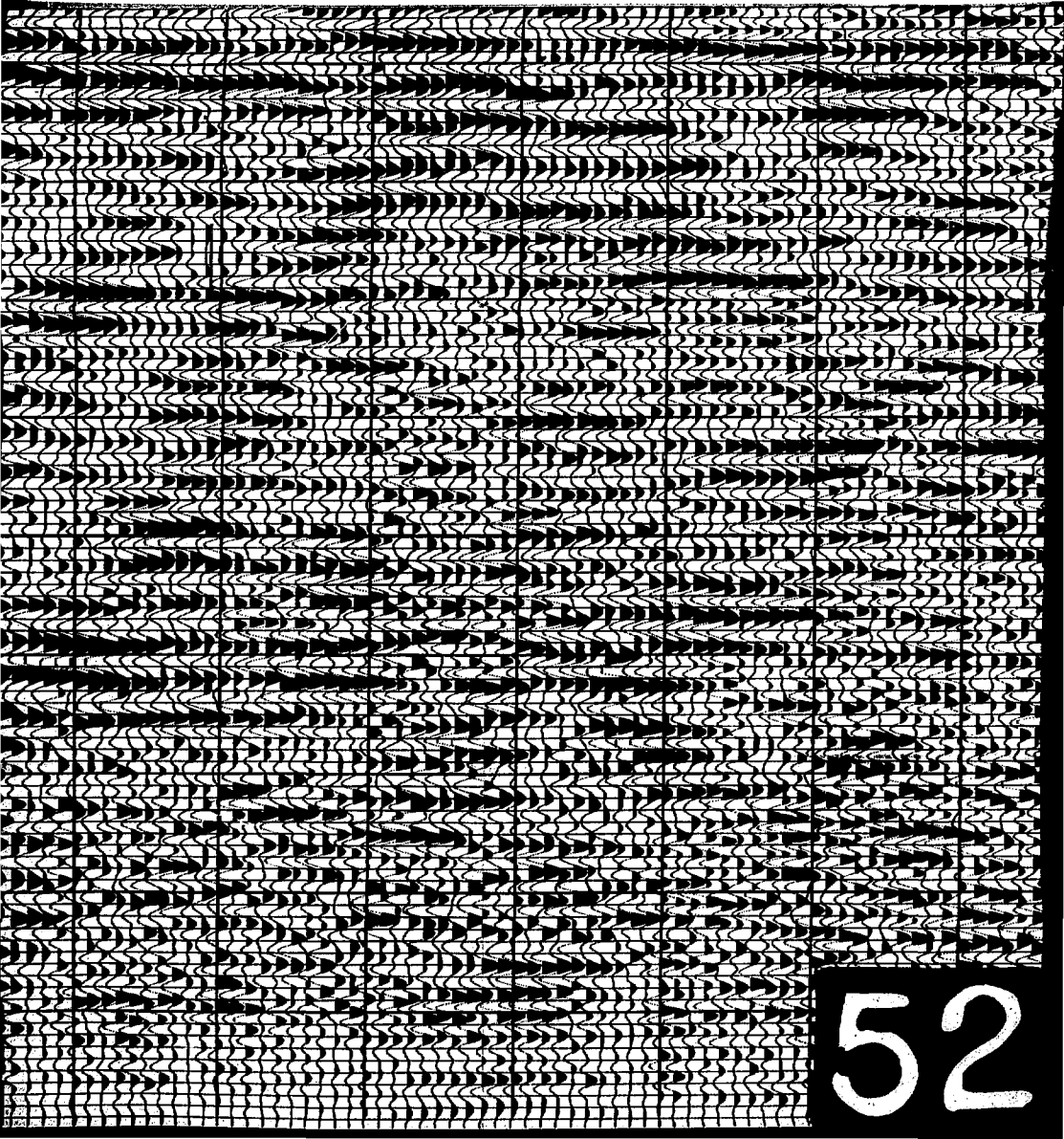


49

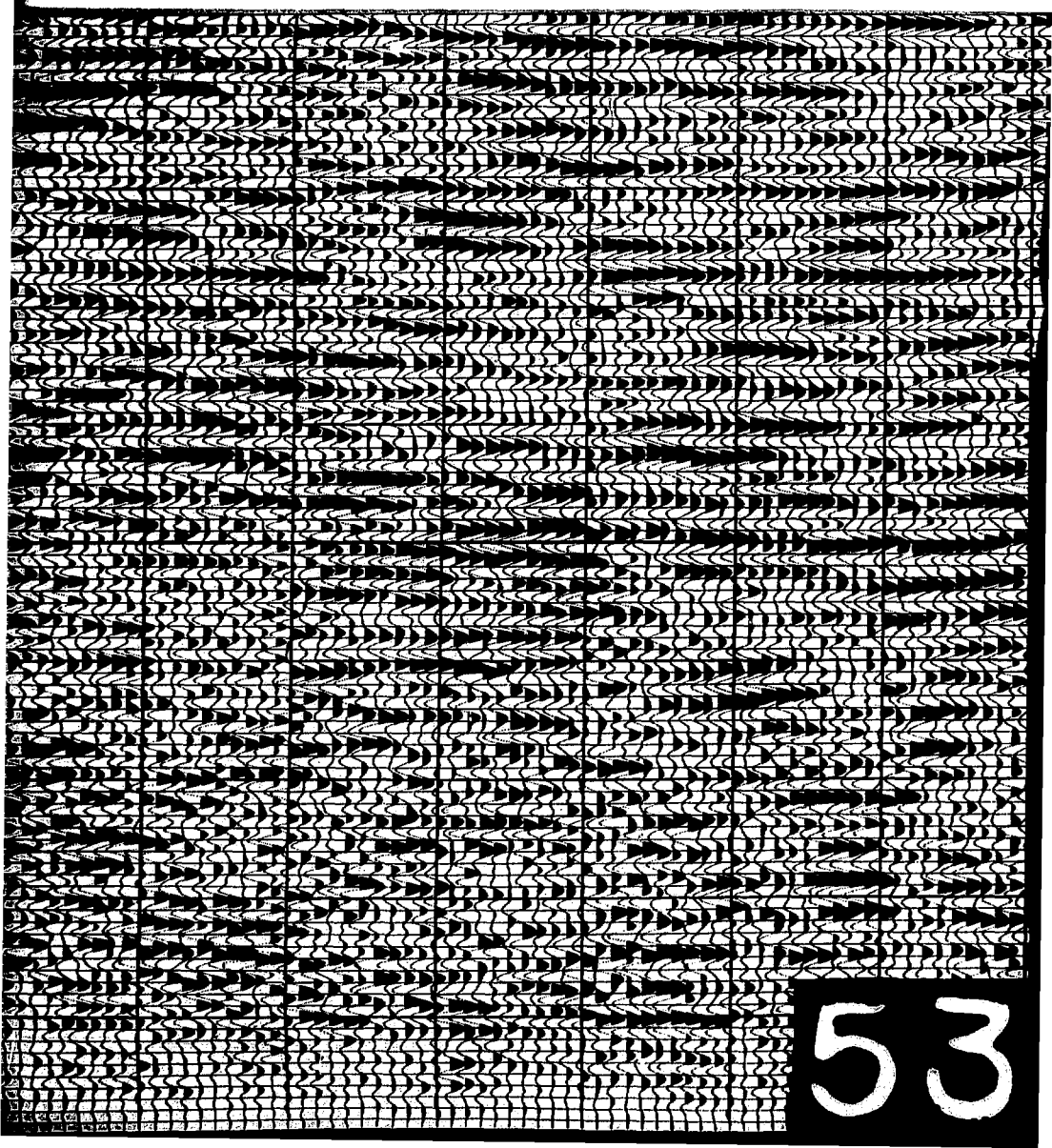
50



51



52

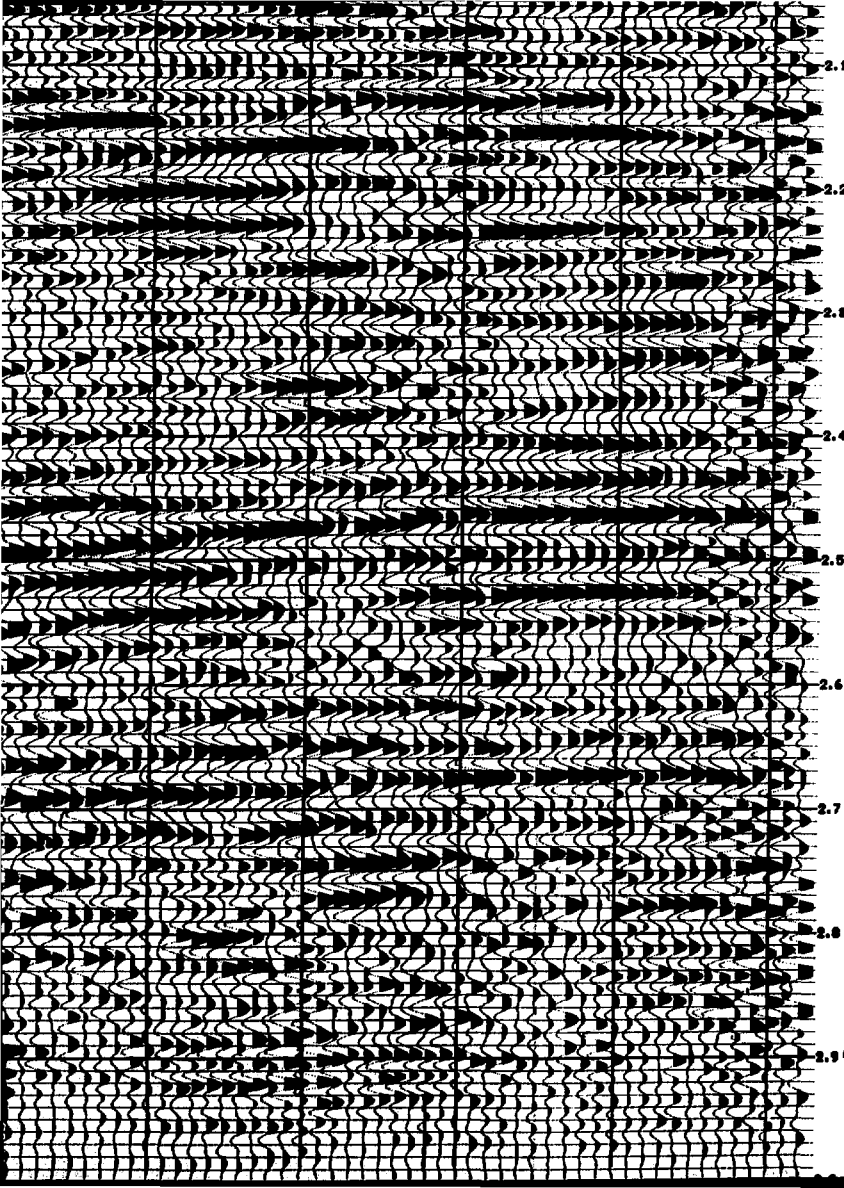


53



54





2.1

2.2

2.3

2.4

2.5

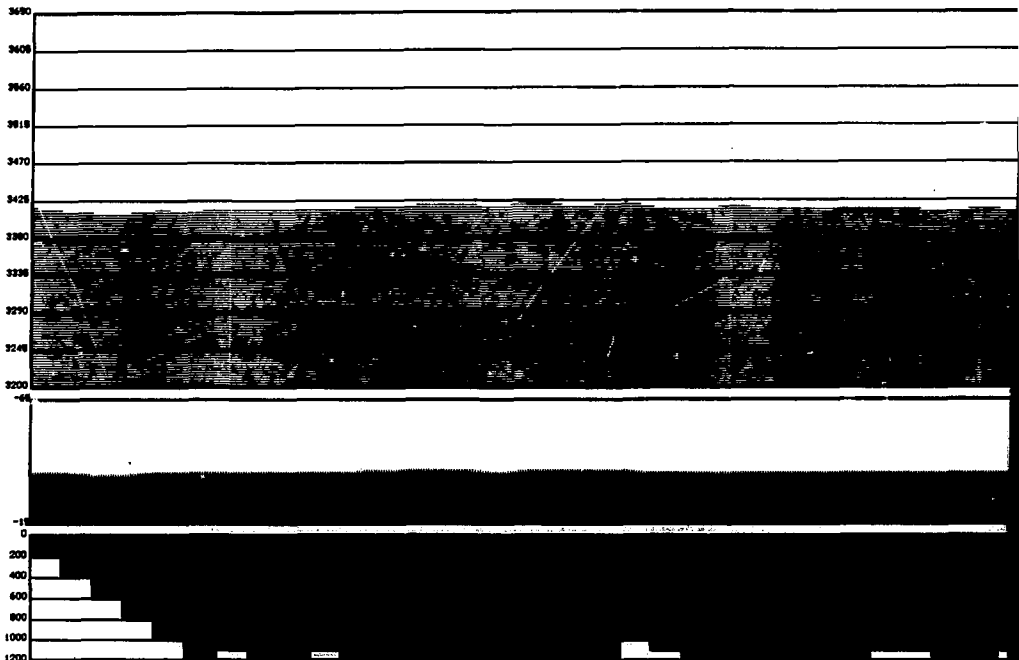
2.6

2.7

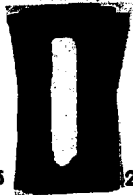
2.8

2.9

55



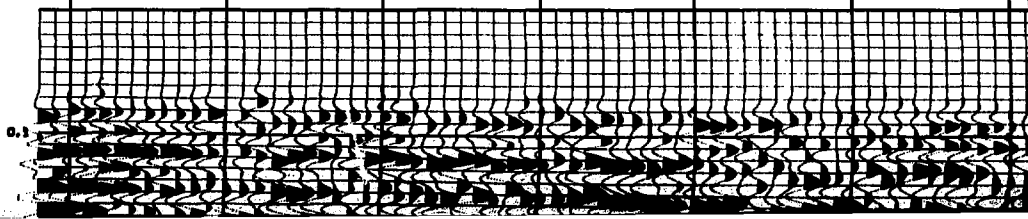
sec 20

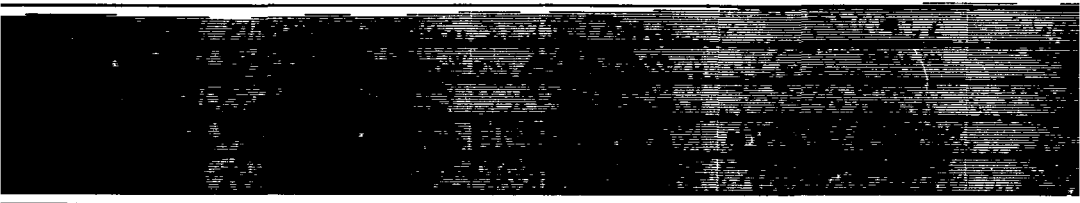


VE. RING

SOUTHPORT

250      245      240      235      230      225      220





VEL. CNPL

LINE X-2  
212

215

210

205

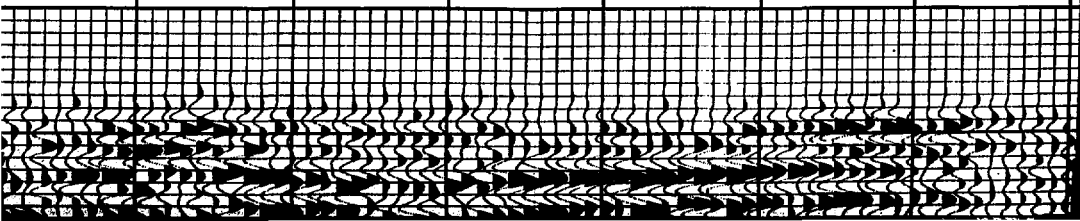
200

195

190

185

2



sec 28

3

VEL. INCL.

VEL. INCL.



180

175

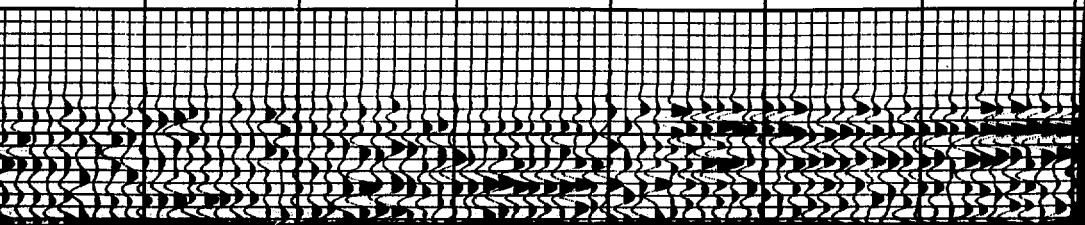
170

165

160

155

150



sec 27

VELOCITY



4

145

140

135

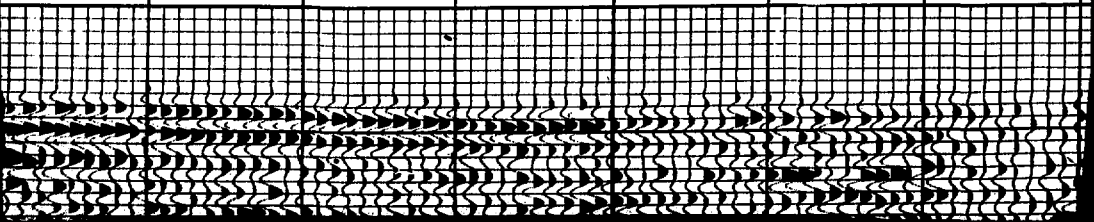
130

125

120

115

0



sec 34

VEL. 

5



VEL. 

D - 123

110

105

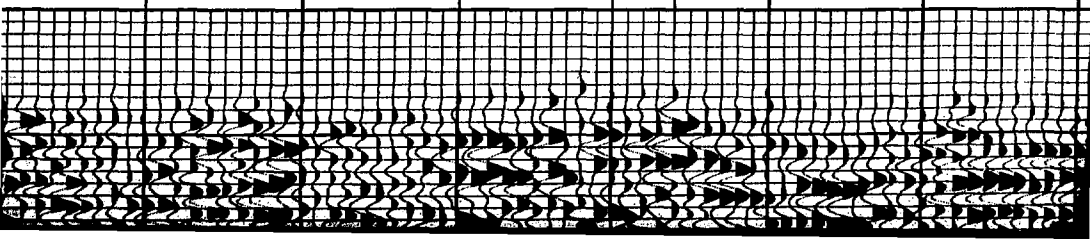
100

95

90

85

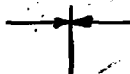
80



sec 35

VEL. INCL.

6



75

70

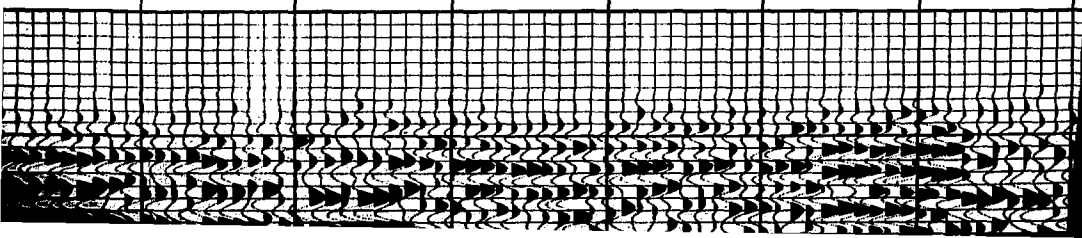
65

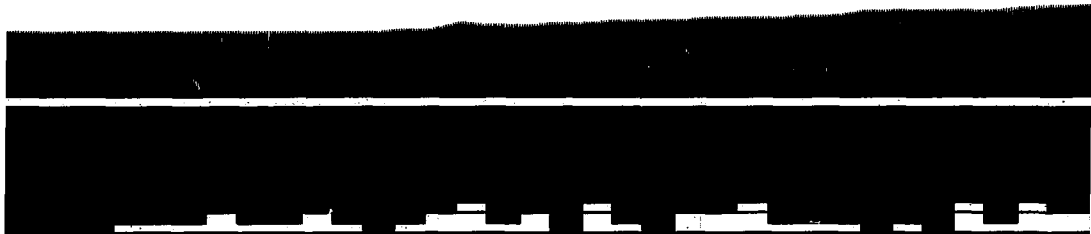
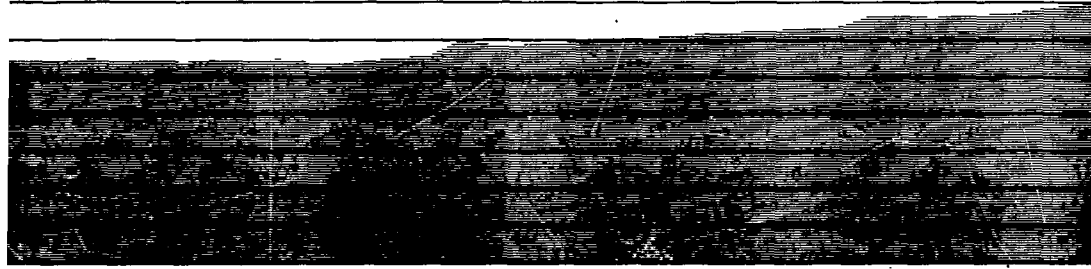
60

55

50

45





sec 2



7

sec 1

VEL. RNL.

AA - 2

40

35

30

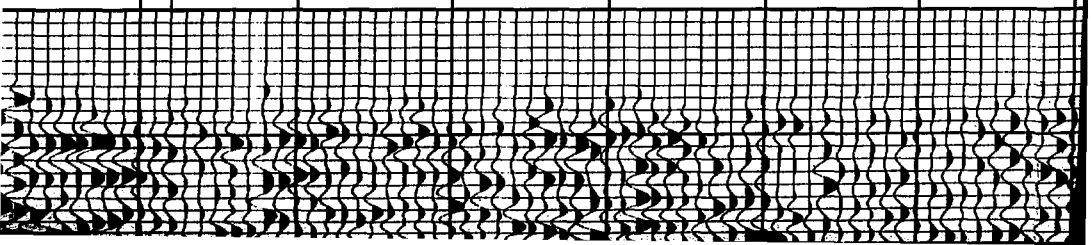
25

20

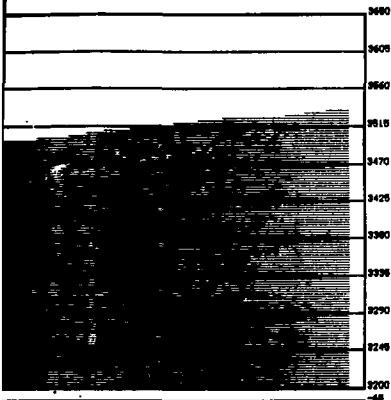
15

10

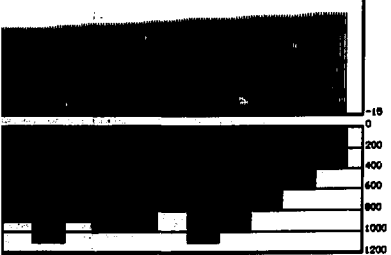
VEL. RNL.







ELEVATIONS



STATICS

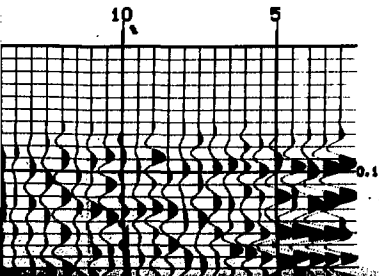
FOLD %

LINE DIRECTION \_\_\_\_\_

VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

8

**SOUTH** →



STATIONS

**Danmark**

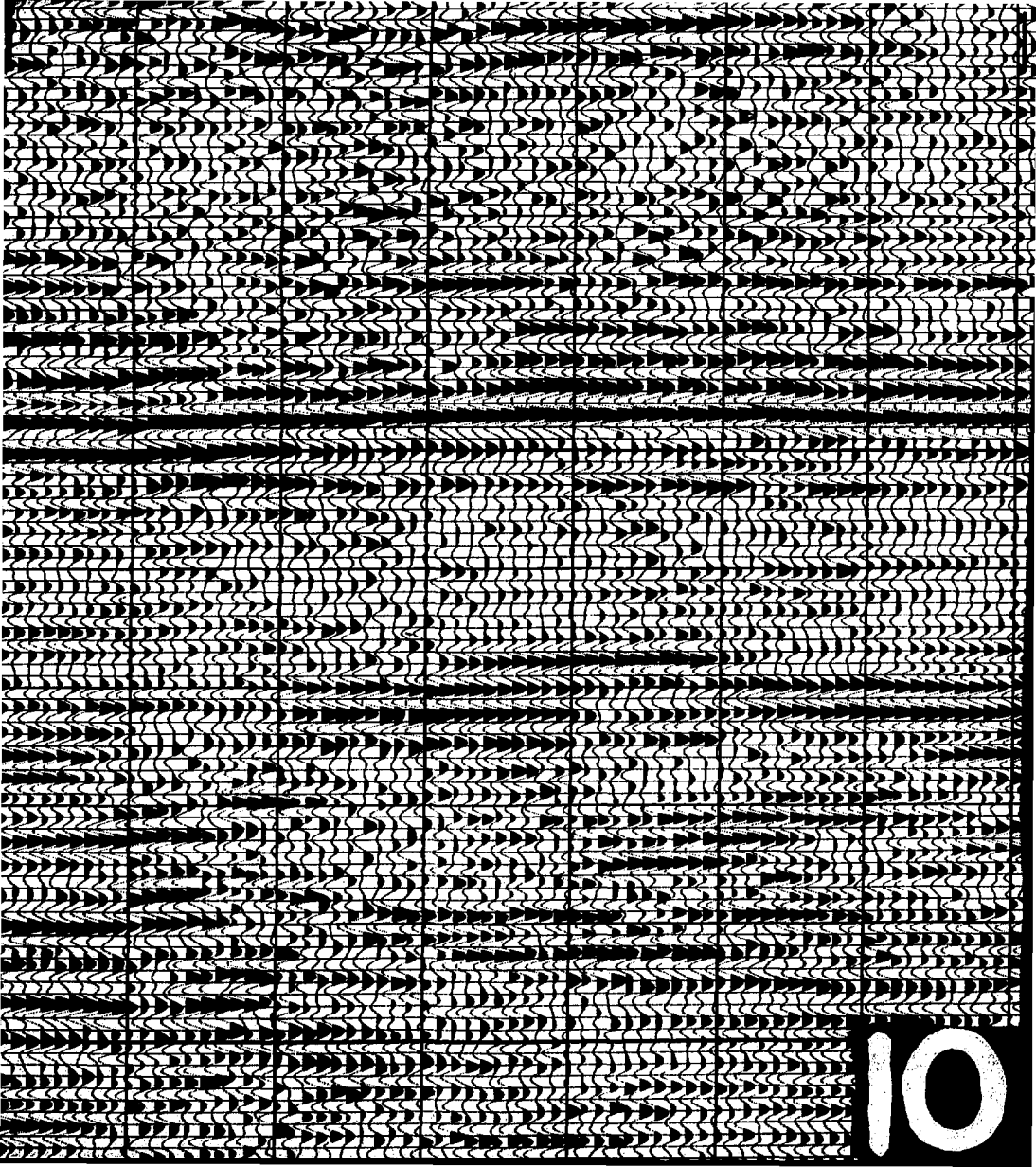
---

**LØS MEDANØS**

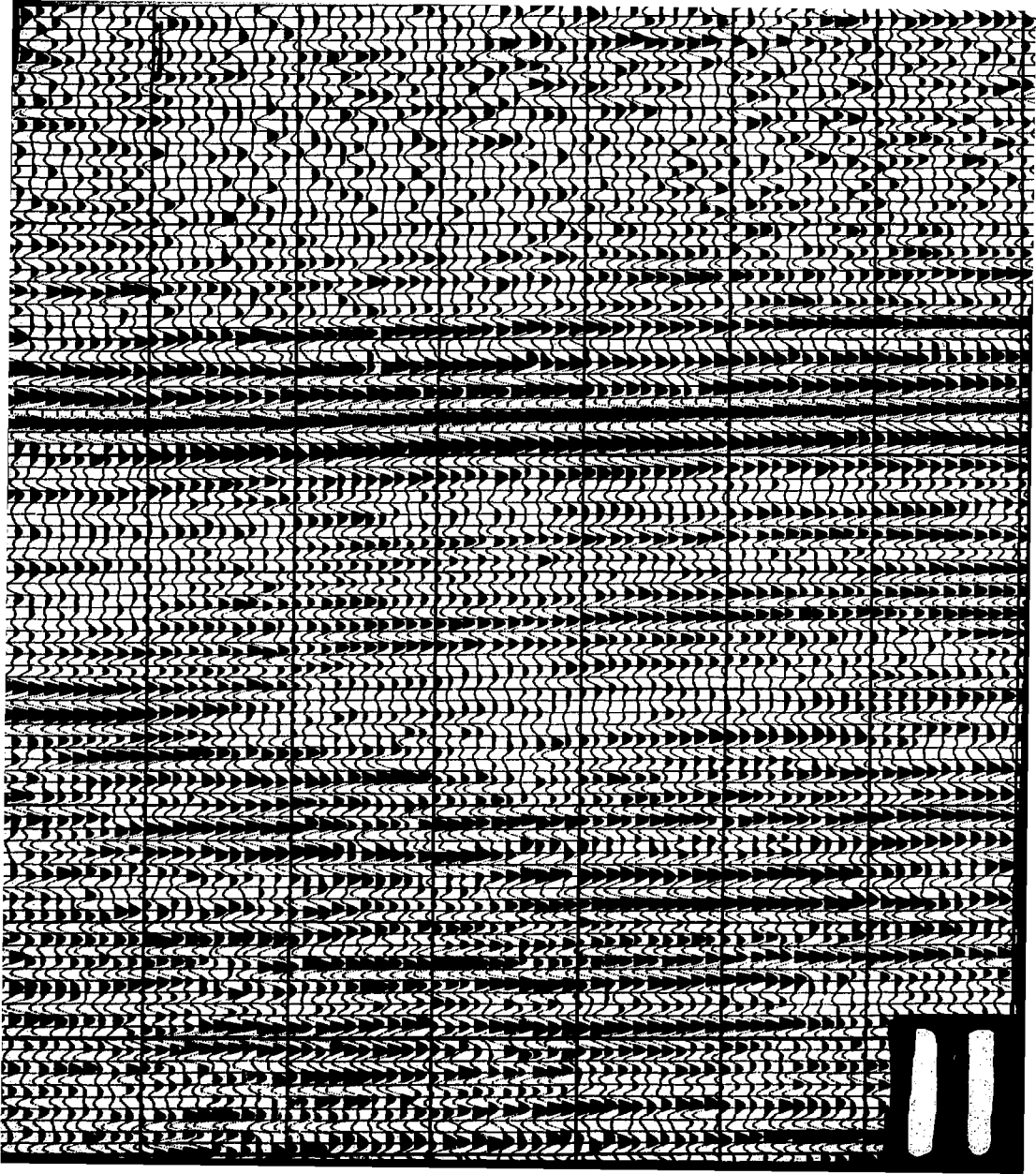
0.1  
0.2  
0.3  
0.4  
0.5  
0.7  
0.8  
0.9  
1.0

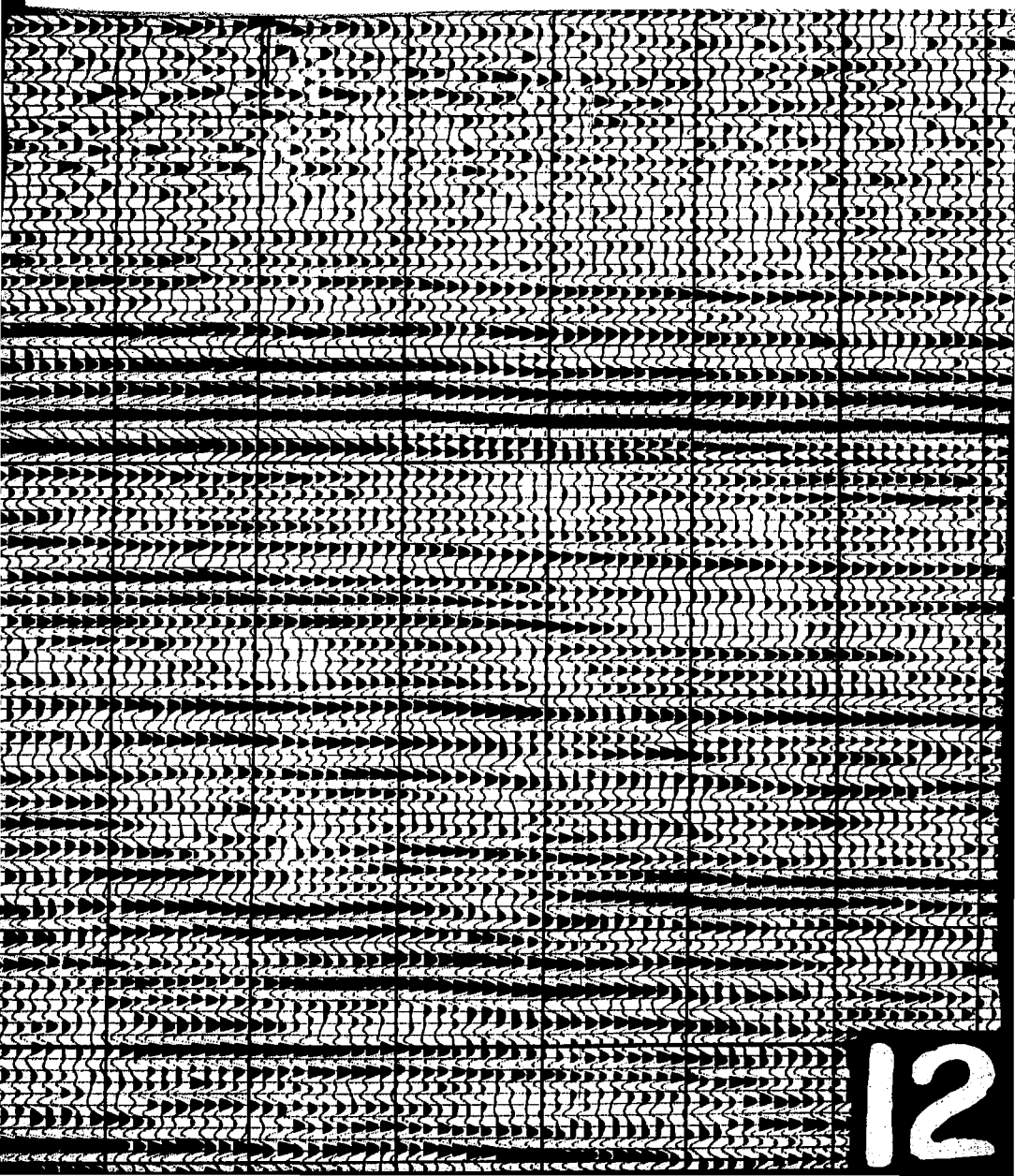
9

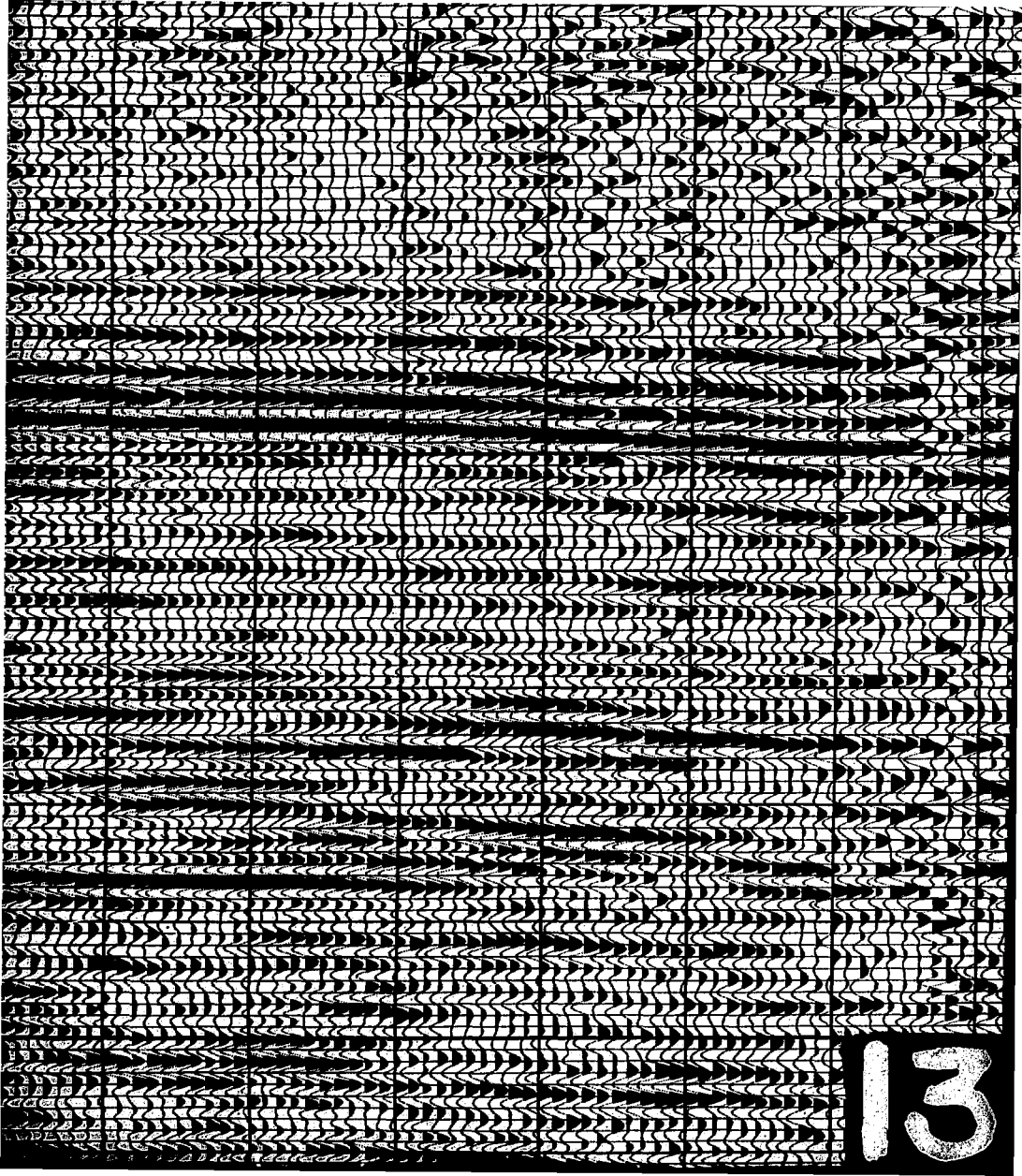




10

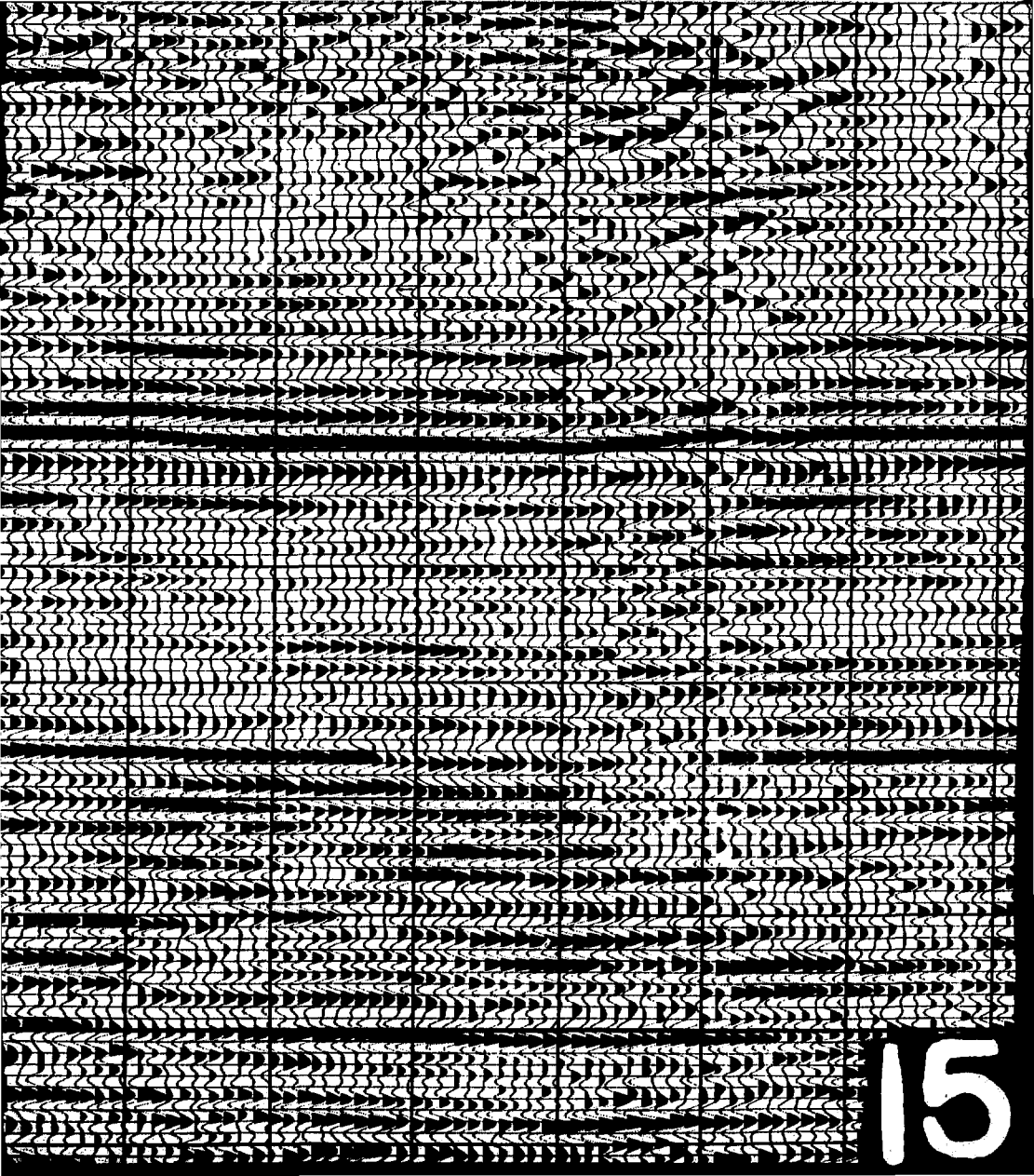






13

14







# L0S MEDAN0S

LINE X-6  
STATIONS 3-251  
SOUTHEAST NEW MEXICO

## INPUT REEL HEADER INFORMATION

REEL NUMBER  
DATE CREATED 11/02/77  
NUMBER SAMPLE/TRACE 1500  
SAMPLE RATE IN HILLS 2  
PROCESSOR  
LINE NUMBER X-6  
JOB NUMBER  
SECTION NUMBER  
PROCESSING STEP

## FIELD INFORMATION

RECORDED BY: ORESSER OLYPIC	PARTY: HQ. 62
DATE: OCTOBER 11, 1977	FILTER: 10/36-124 HZ
INSTRUMENTS: OPS I - OPS IV	SAMPLE RATE: 2MS
NOTCH FILTER: 1N	SOURCE: VIBROSEIS
RECORD LENGTH: 16 SEC.	SNAMP LENGTH: 12 SEC.
SNAMP PERG: 25-100 HZ	MS/GRUUPS: 24
STN INV: 110 FT.	VIB. INV: 110 FT.
GRS PER STN: 6	GRS TYPE: 00C-200
WAVY TYPE: INLINE	TYPE COVER: 1200 PACT

## PROCESSING SEQUENCE

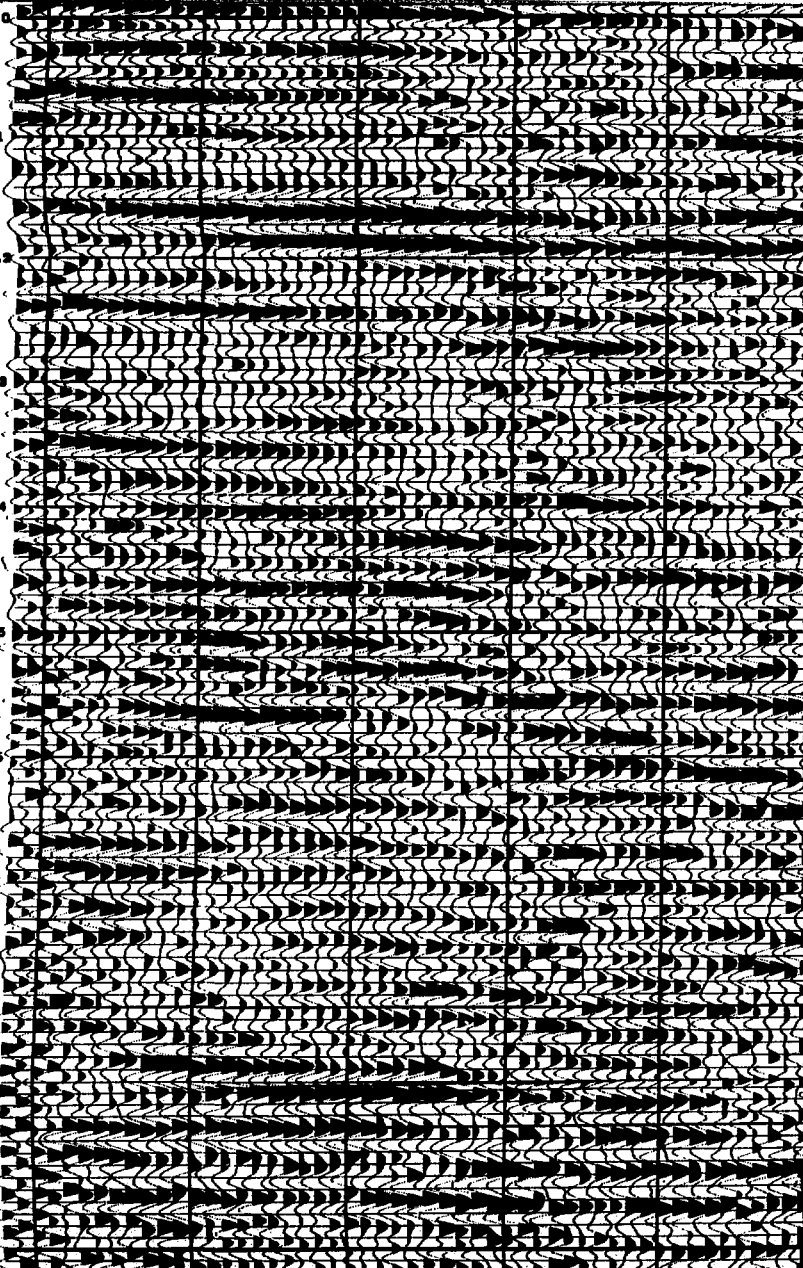
PROCESSED BY ORESSER OLYPIC

STATICS COMPUTATION  
DATUM: 2800 FT.  
VEM: 6000 FT/SEC.

- 1) DEMULTIPLY
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT GATHERS
- 5) DECONVOLUTION  
OPERATOR LENGTH=140 HILLS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-3.0 SEC. 25-80 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMO
- 10) FIRST BRANK SUPPRESSION (MUTE)
- 11) STACK 12 PULO
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-3.0 SEC. 25-80 HZ
- 13) DIGITAL ABC
- 14) DISPLAY  
8 TR/IN  
10 IN/SEC.

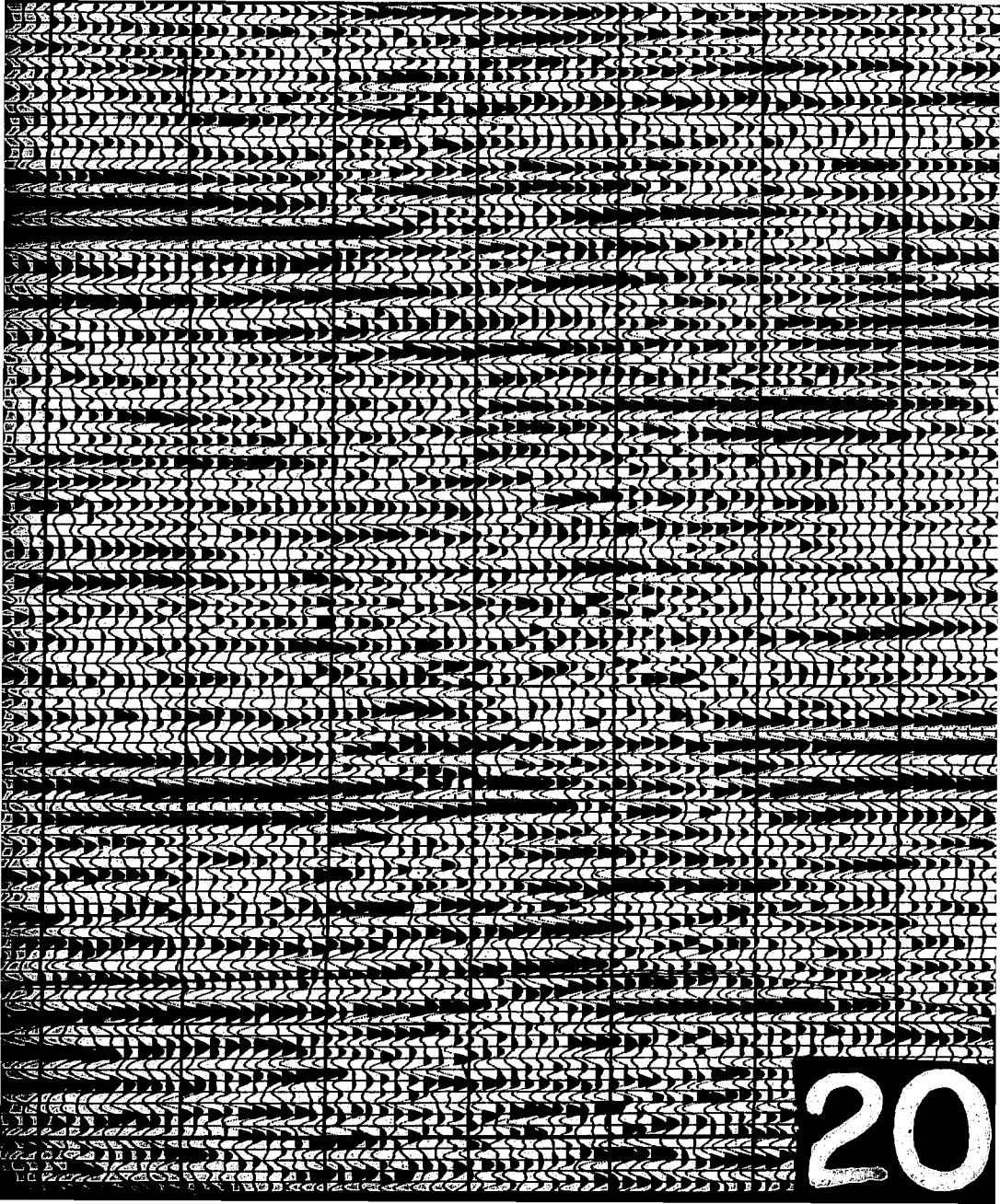
17

1.0  
1.1  
1.2  
1.3  
1.4  
1.5  
1.6  
1.7  
1.8  
1.9  
2.0



18





20

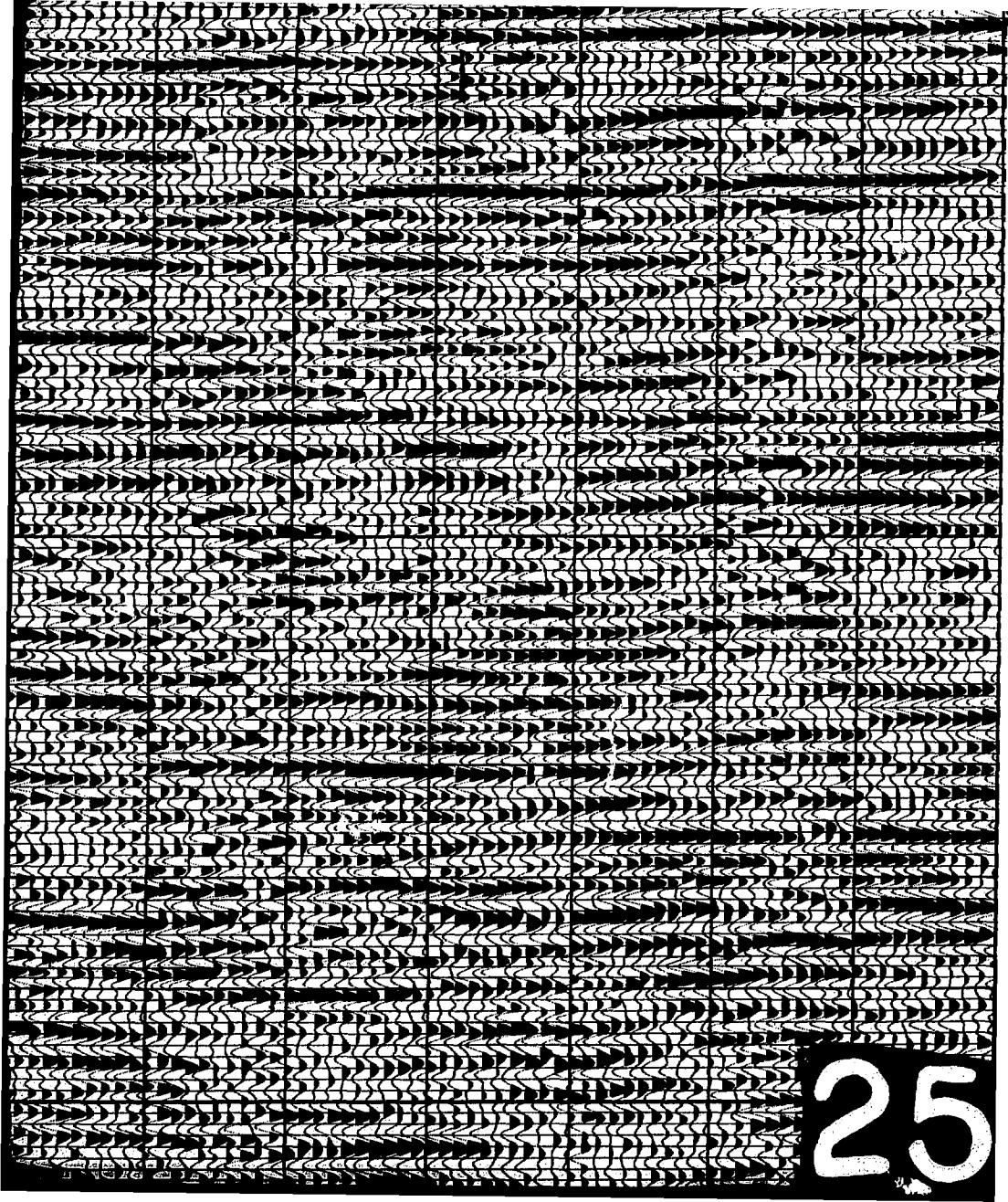




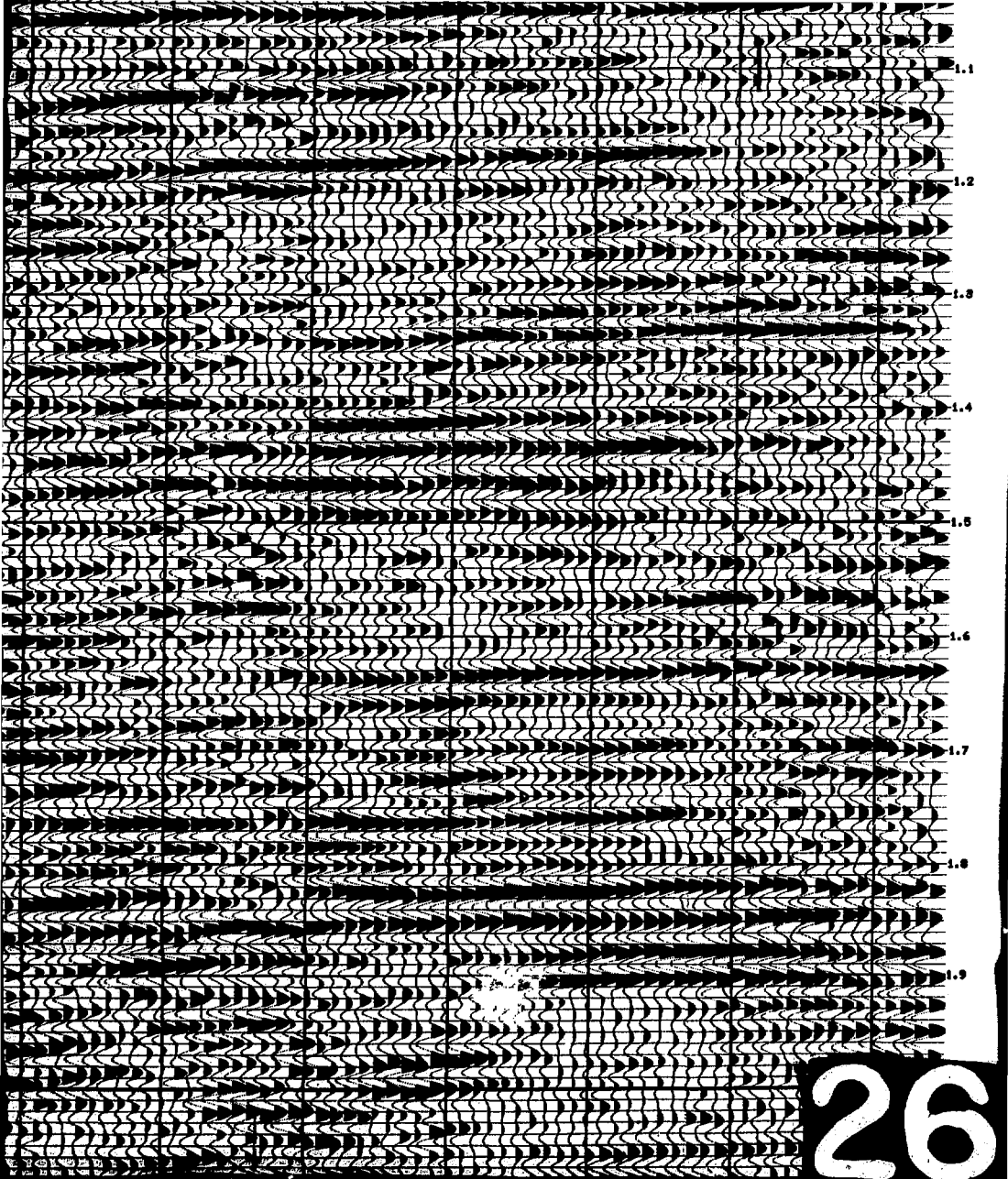








25



19) DISPLAY Page

14: DISPLAY  
8 TR/IN  
10 IN/SEC.

SPREAD DIAGRAM  
VP

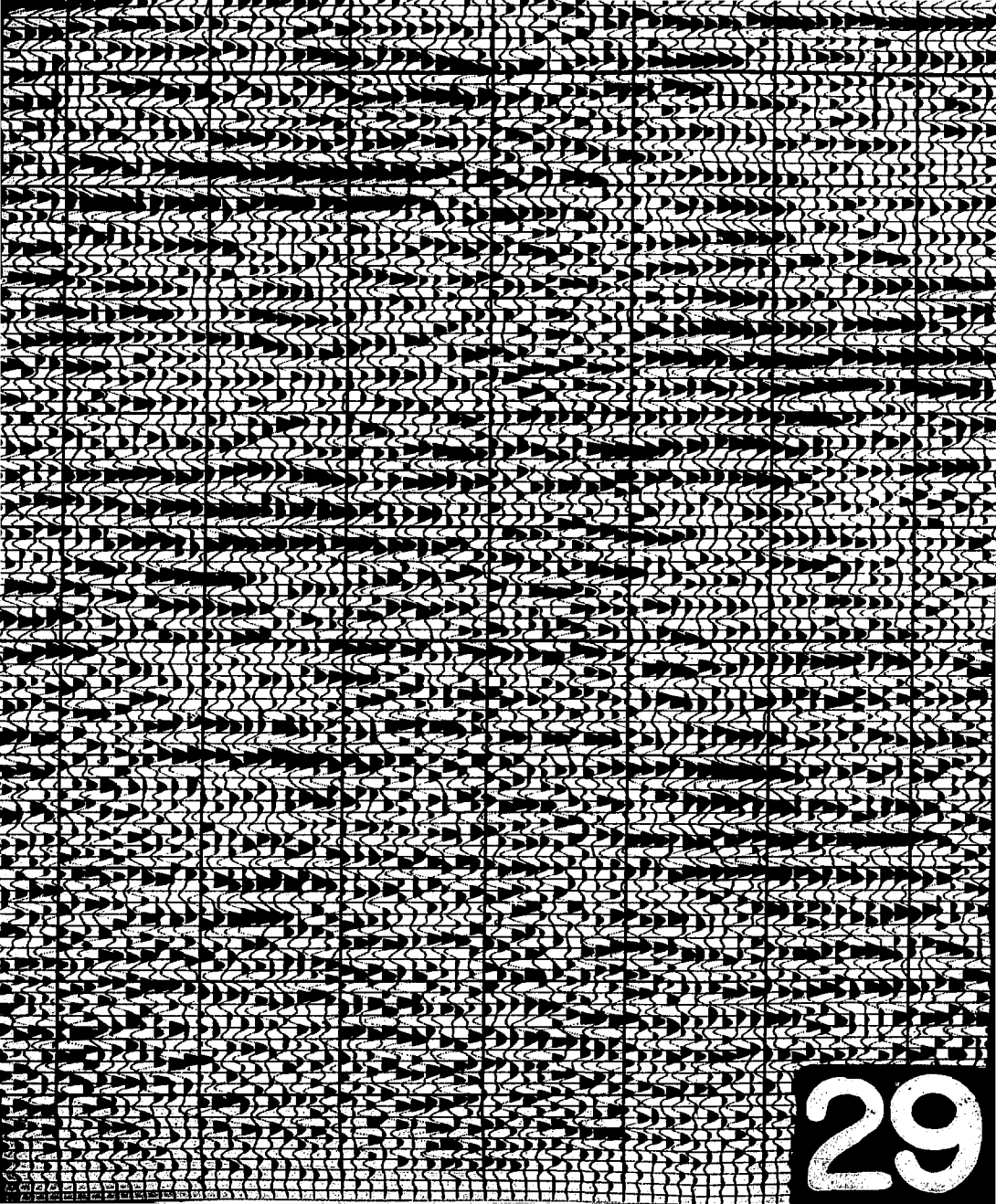
1 12 19 24  
1210 440 440 1210

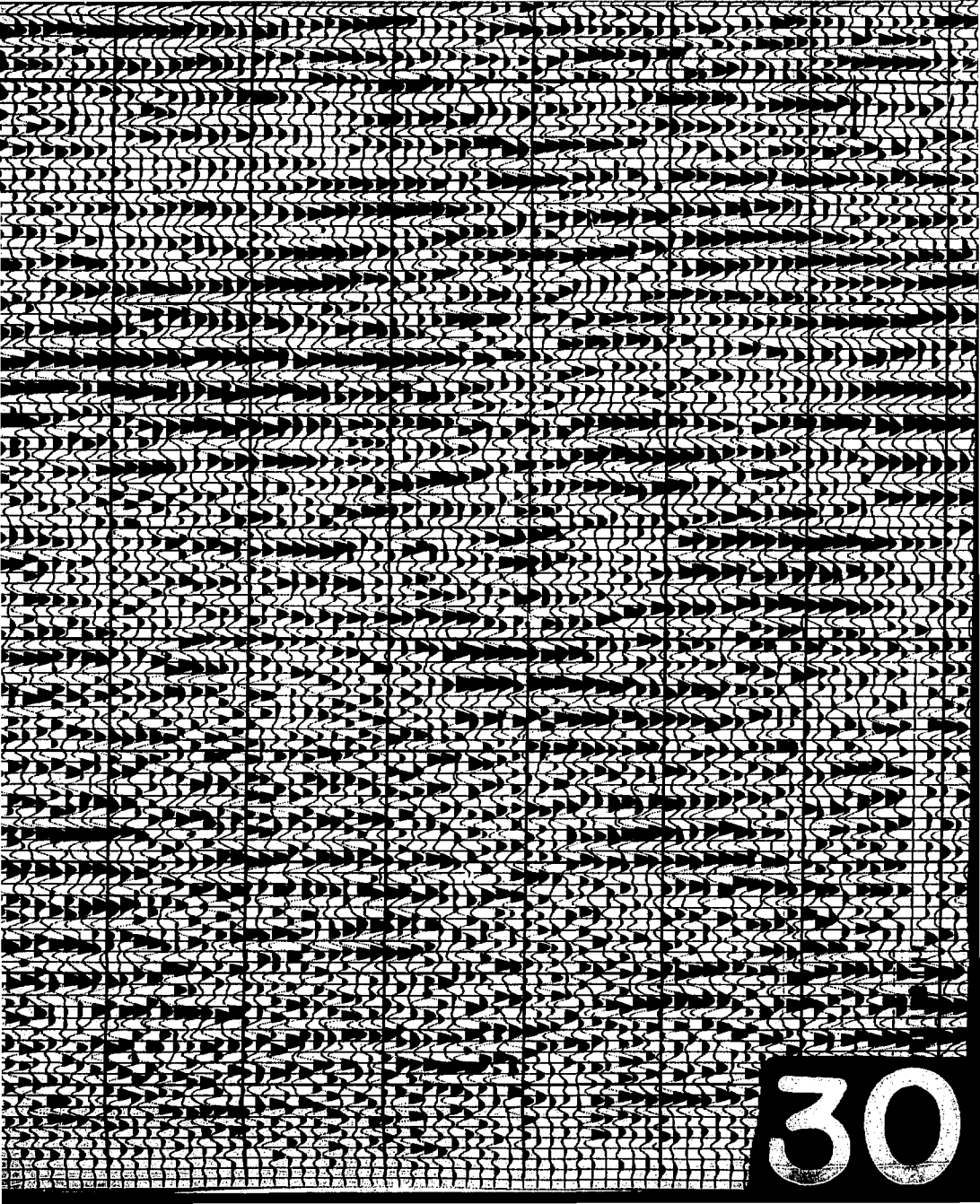
\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT ORIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION R/L  
PERCENT ORN 0  
POLARITY BLACK+VE

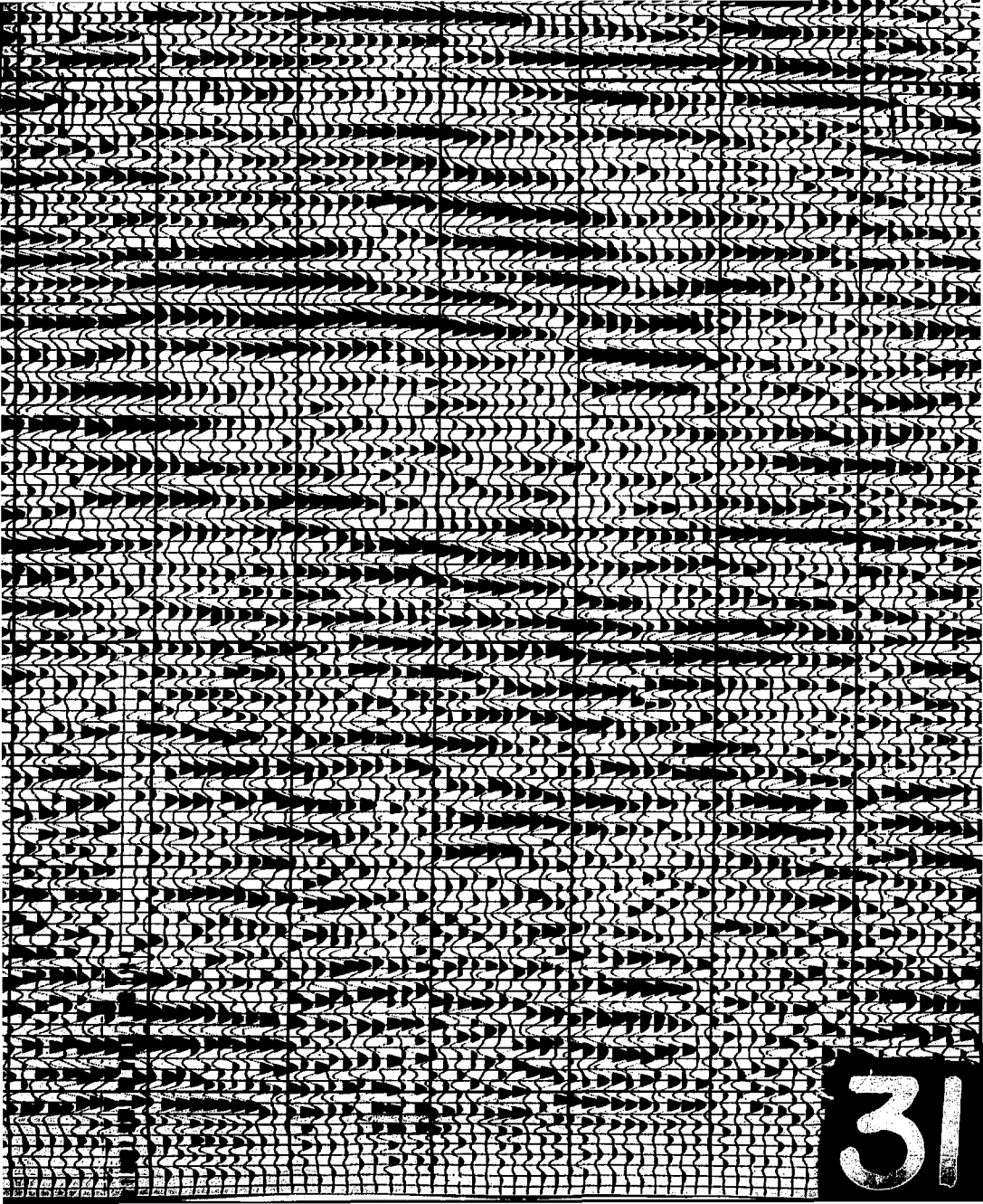
\*\*\*\*\*  
ORIN FILMED BY  
\*\*\*\*\*

2.0  
2.1  
2.2  
2.3  
2.4  
2.5  
2.6  
2.7  
2.8

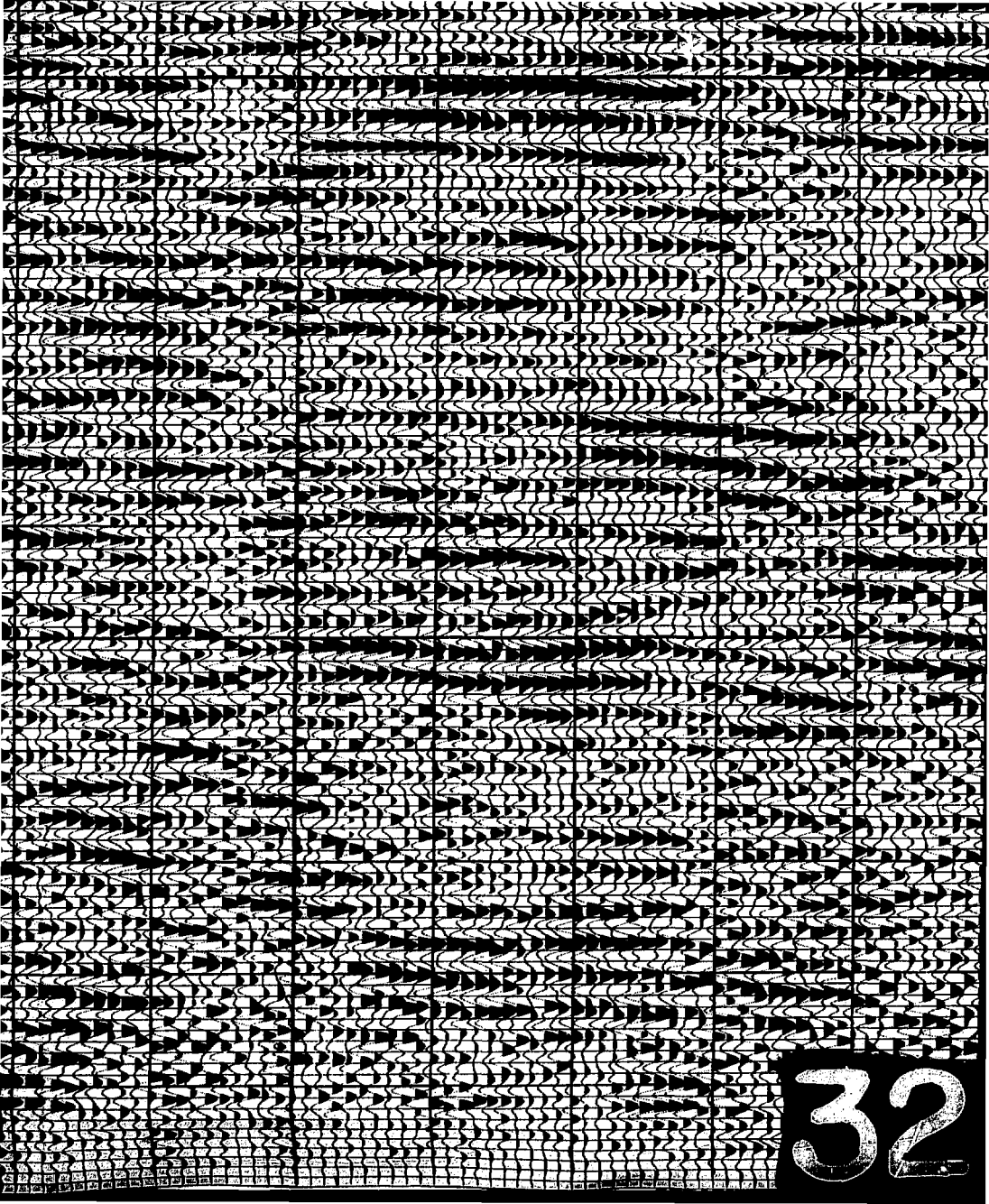




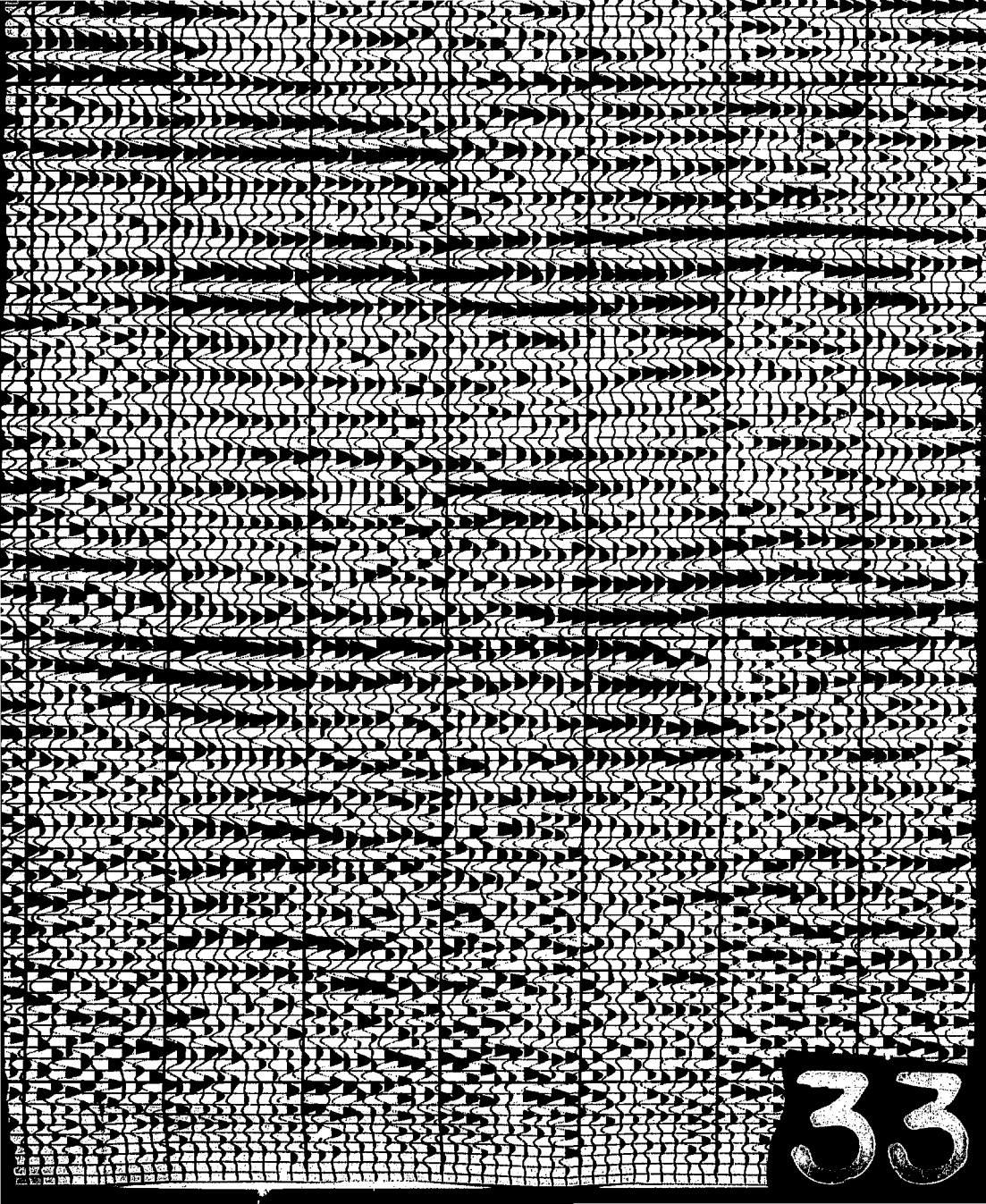
30



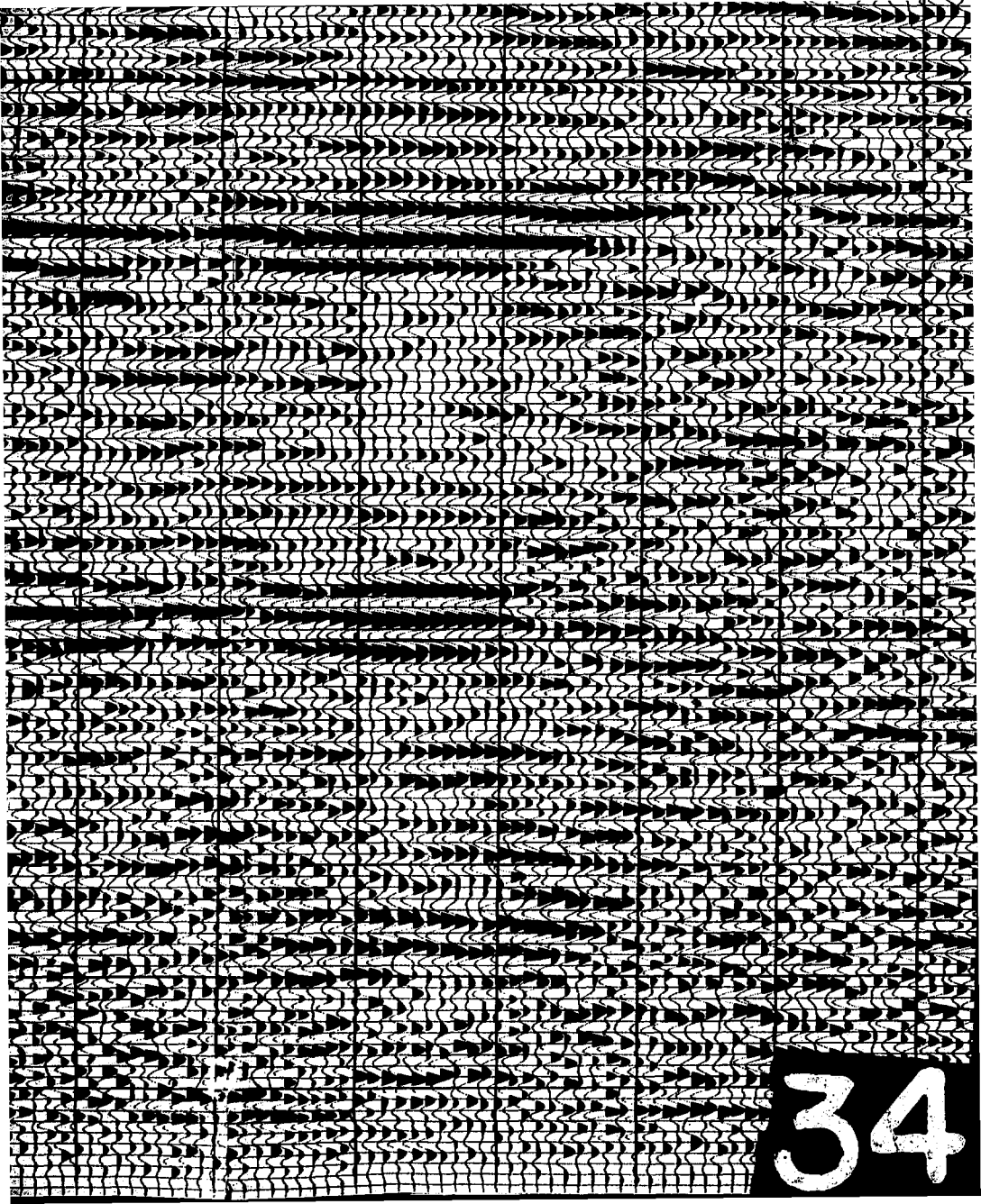




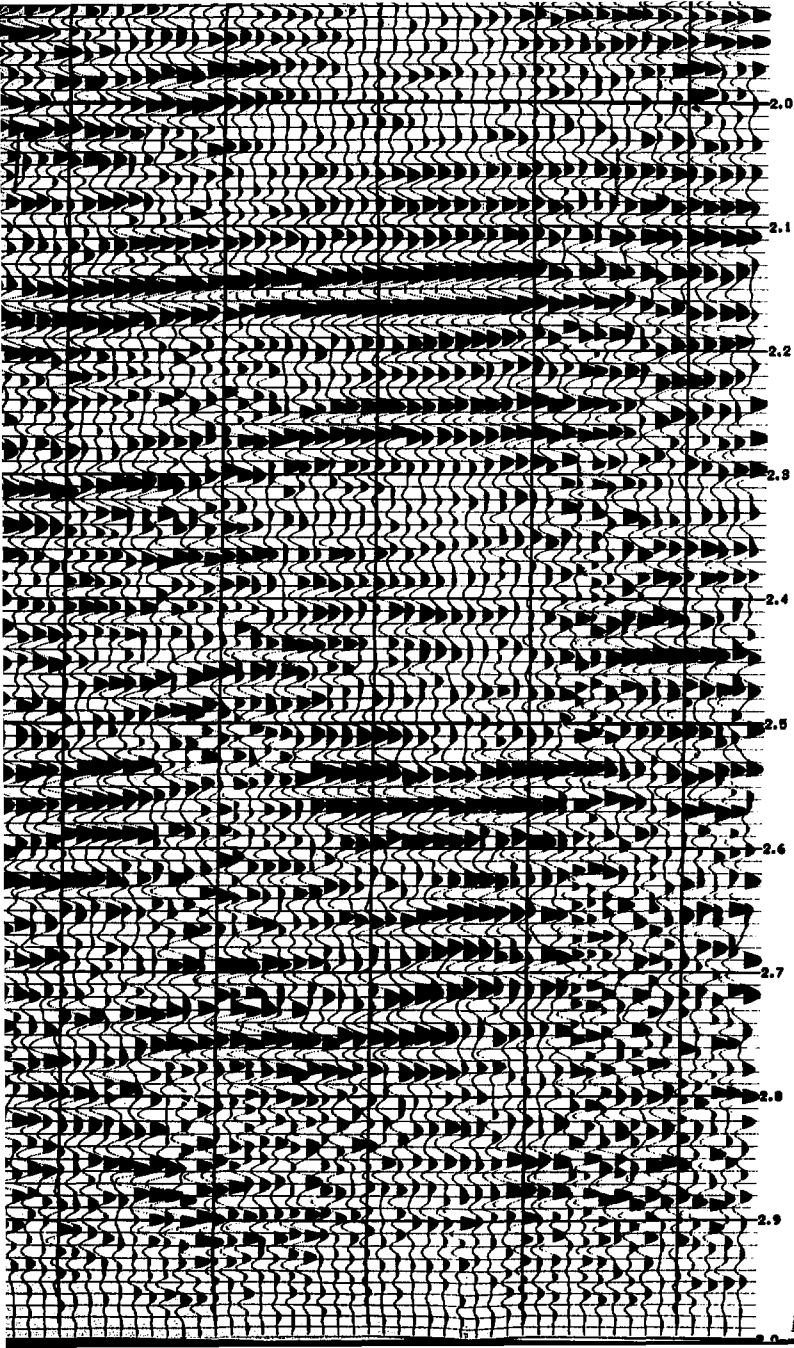
32



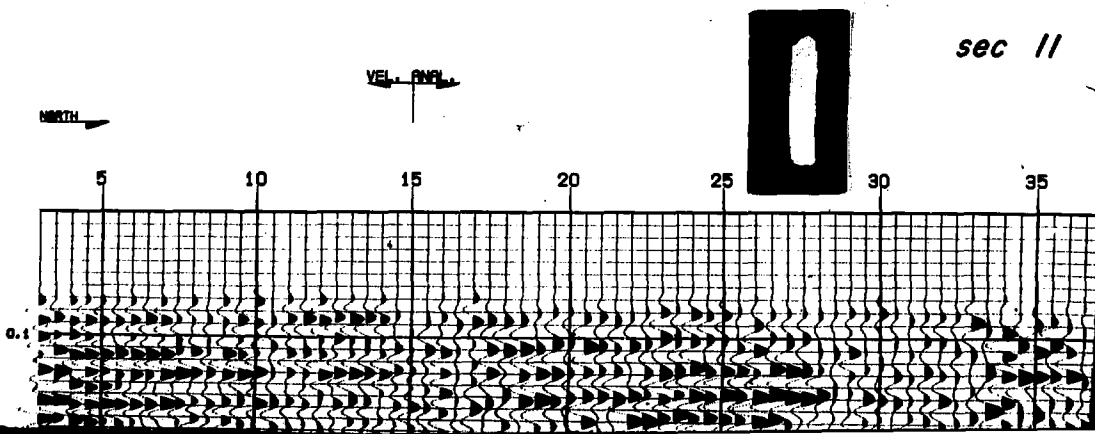
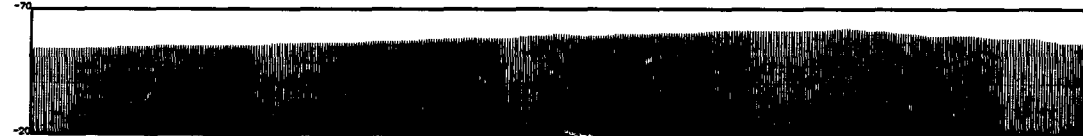
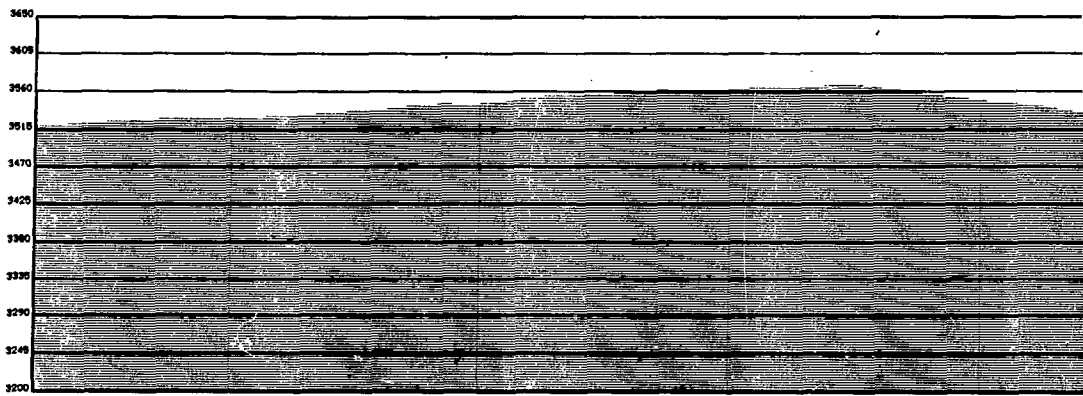
33

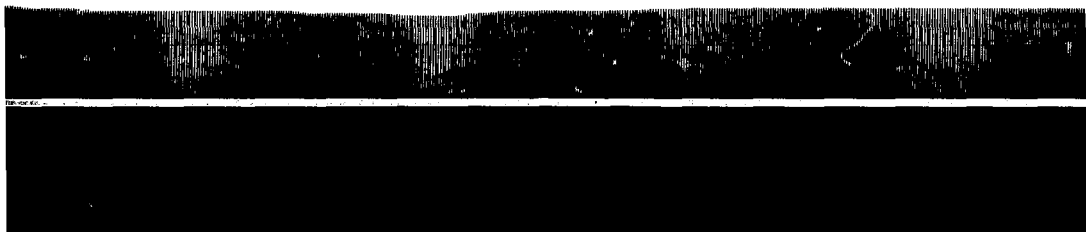
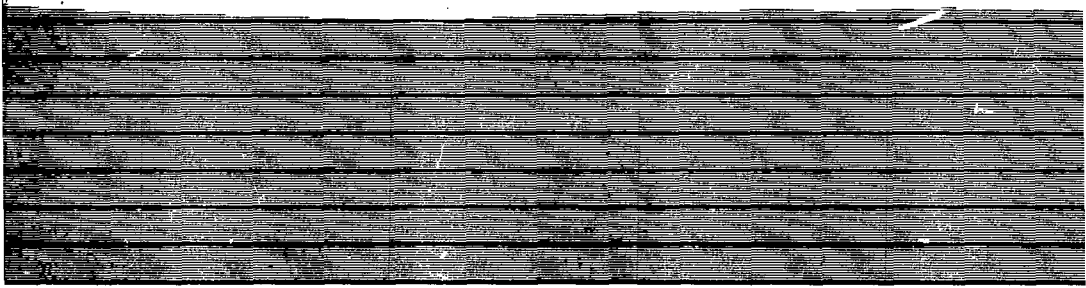






36



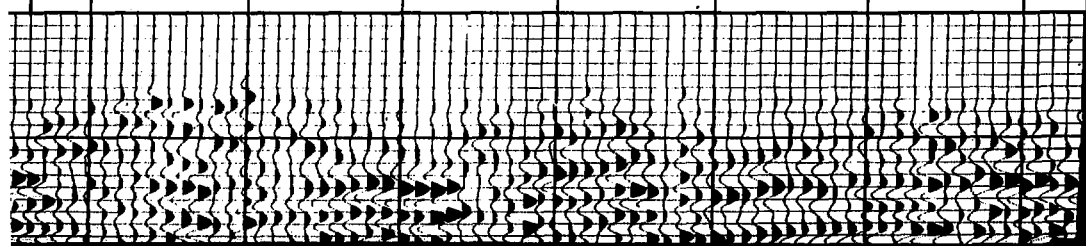


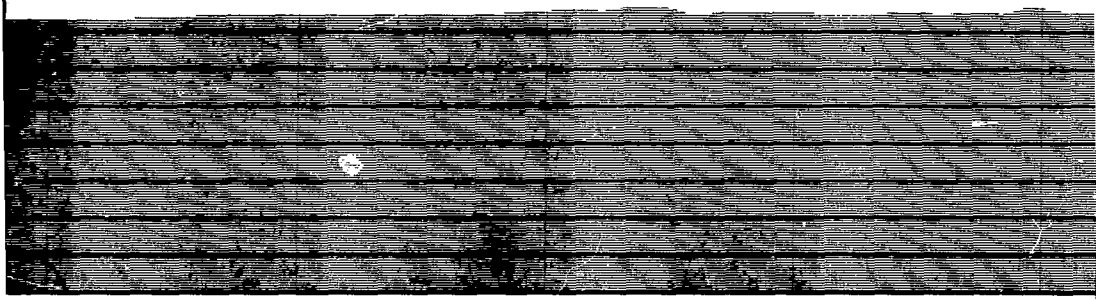
VEL. RNL

2

VEL. RNL  
ERDA 8

40 45 50 55 60 65 70





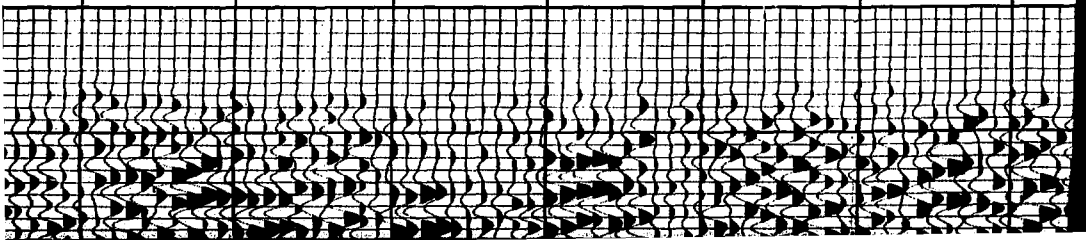
*sec 2*

VEL. INFL.

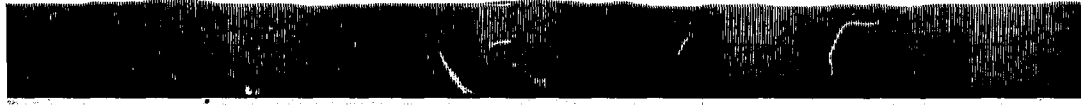
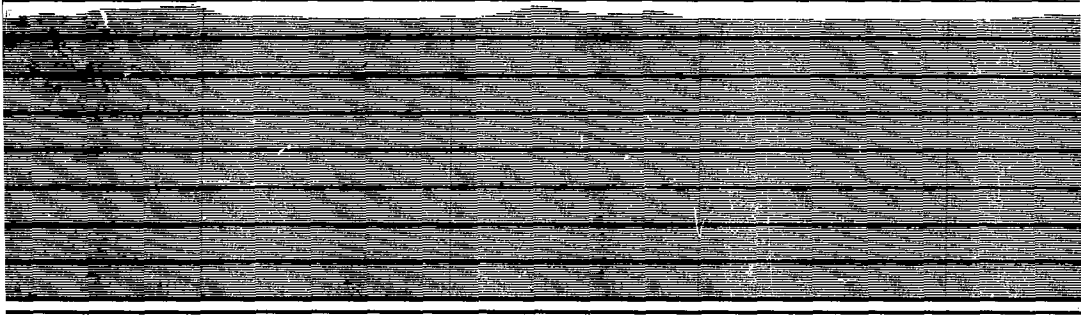
3



75                      80                      85                      90                      95                      100                      105





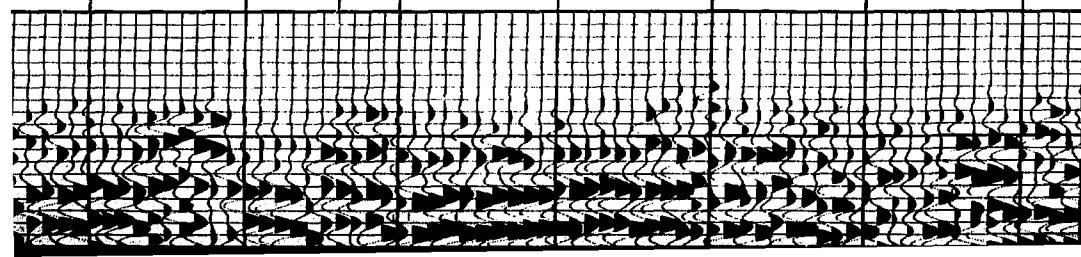


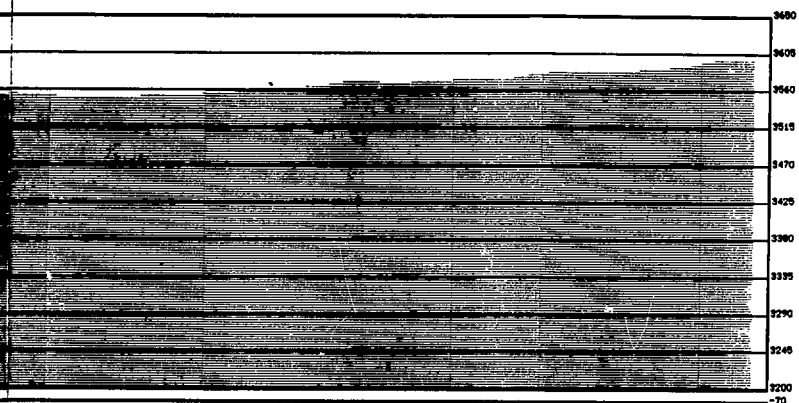
VEL.  $\rightarrow$   $\leftarrow$  ERDA-6 *sec 35* VEL.  $\leftarrow$   $\rightarrow$

LINE X-8  
100

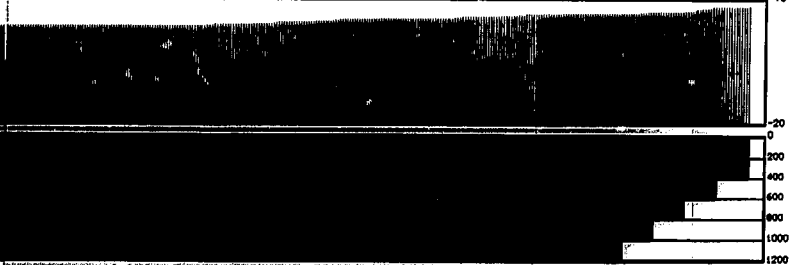
110 115 120 125 130 135 140

**4**





ELE



STA

F0L



sec 25



5

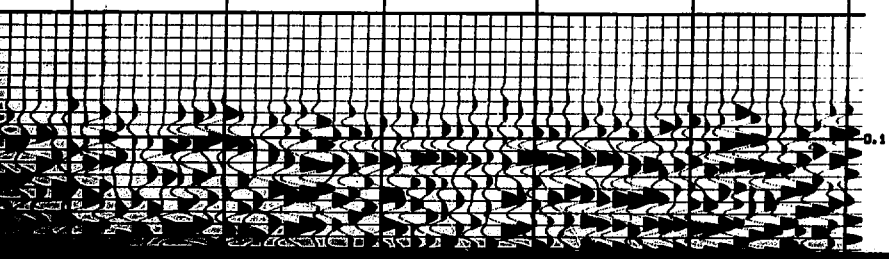


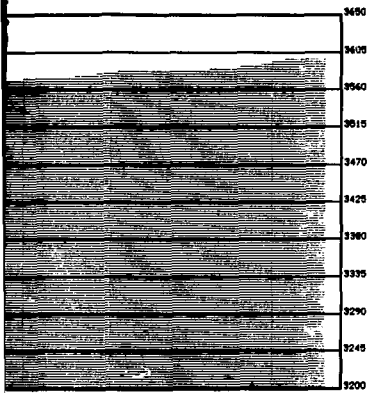
LINE

VEL  
DIRE  
LINE

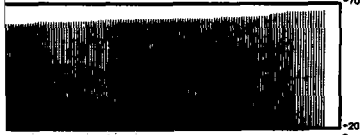
145      150      155      160      165      170

STAT

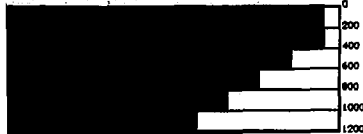




ELEVATIONS



STATICS



FOLD %

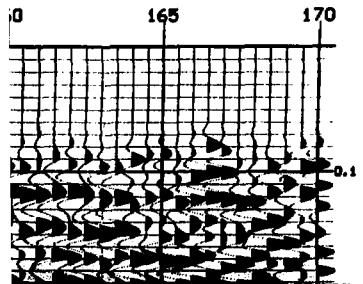
sec 25

LINE DIRECTION 


6

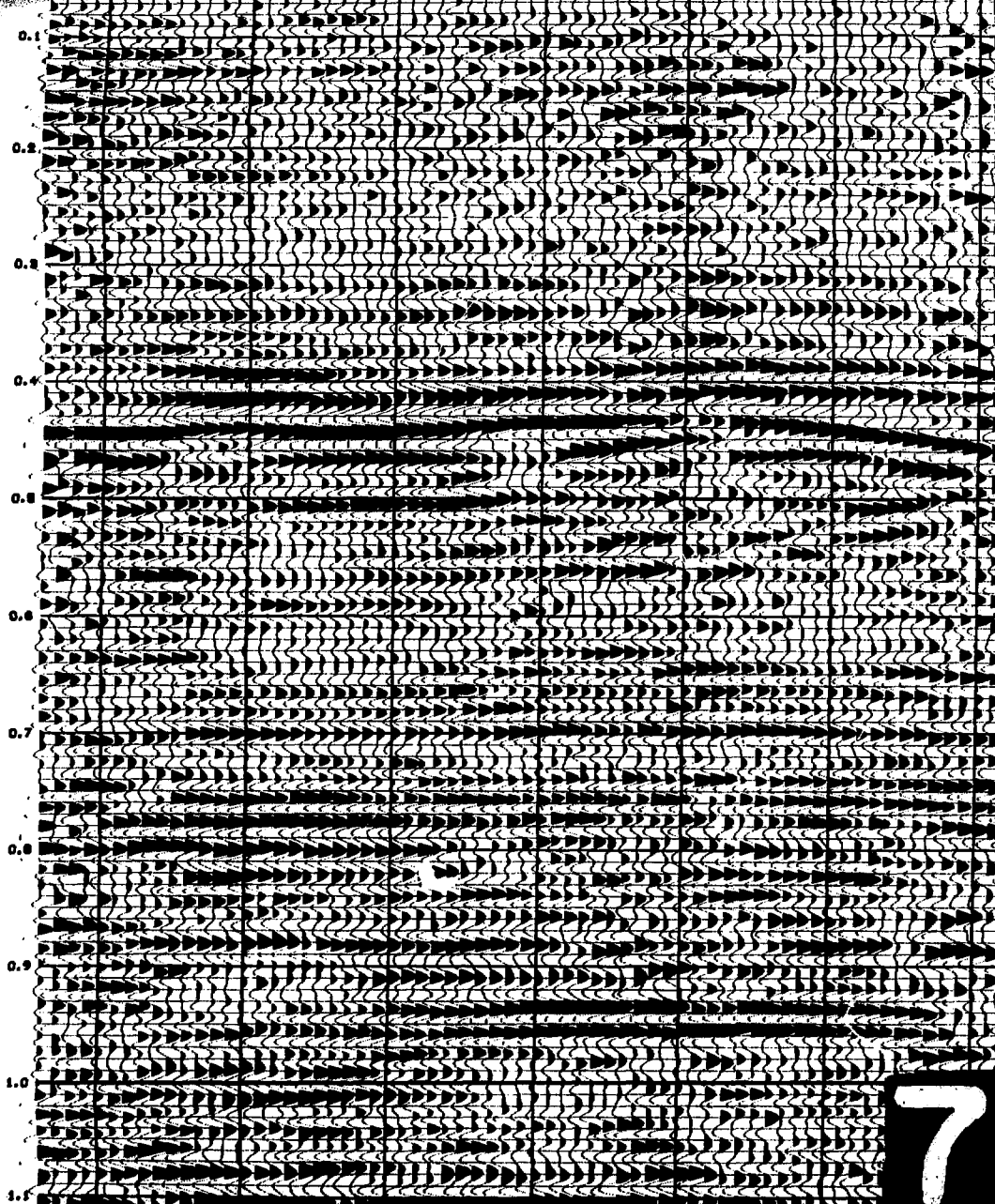
NORTH 

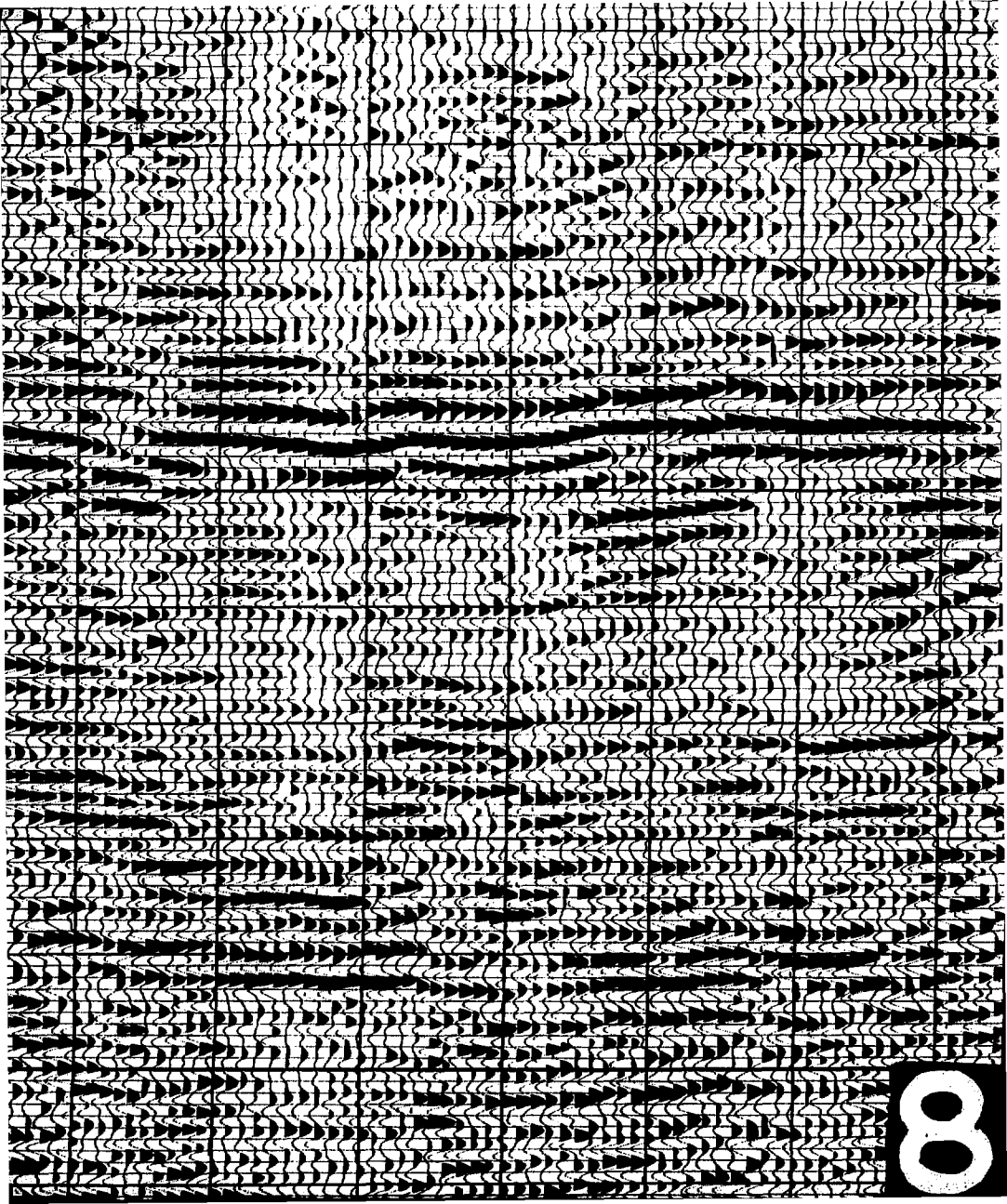
VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

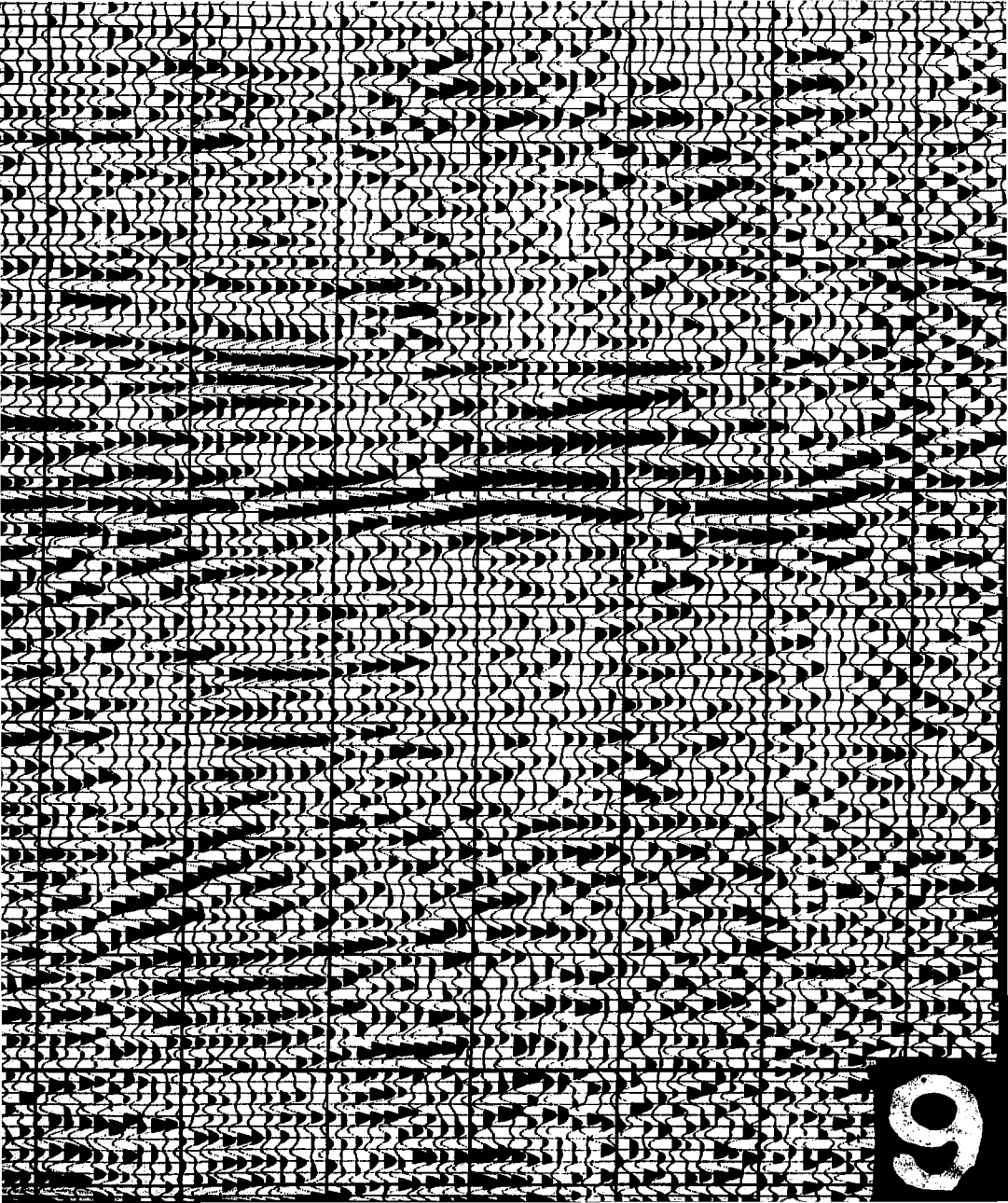


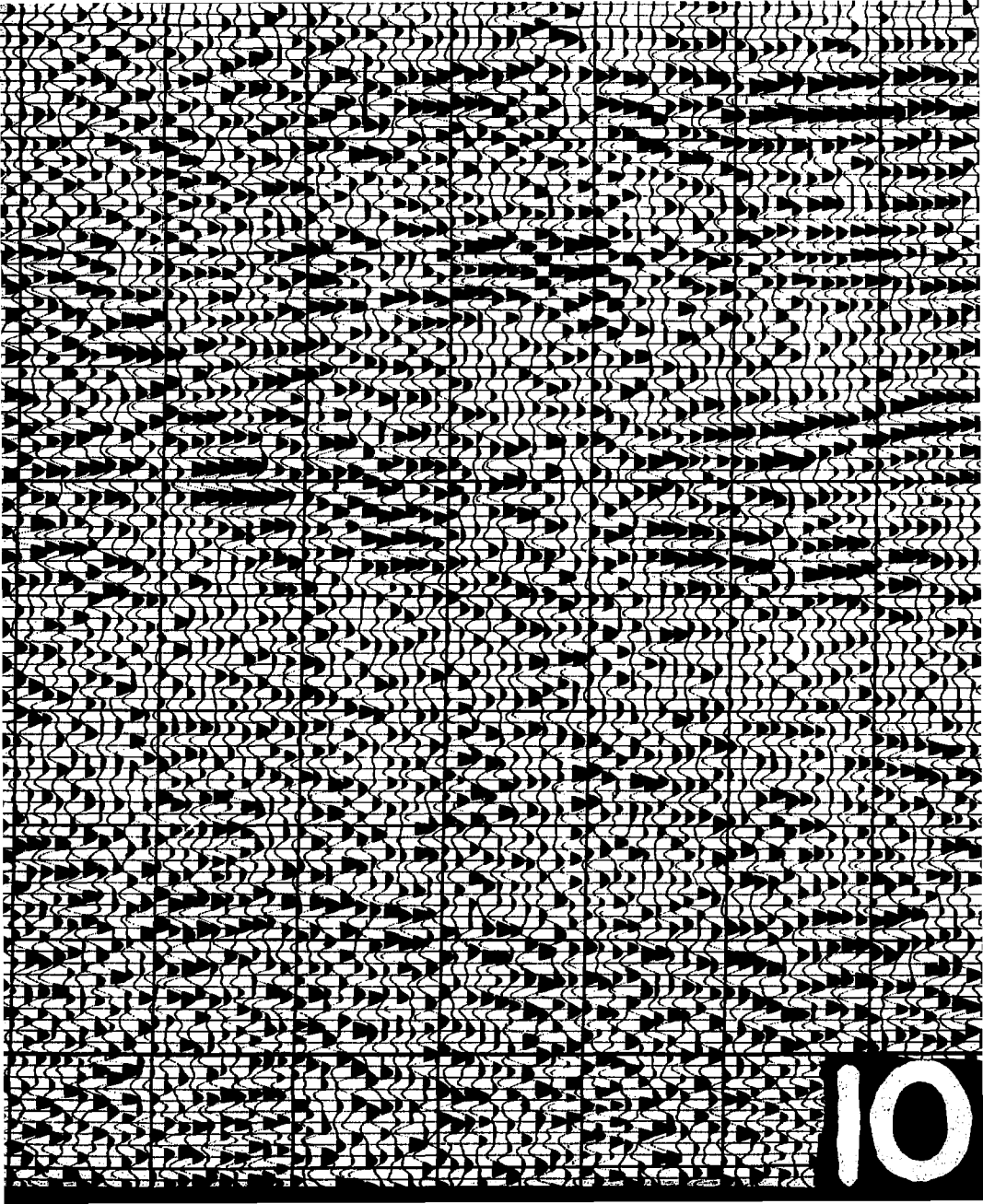
STATIONS

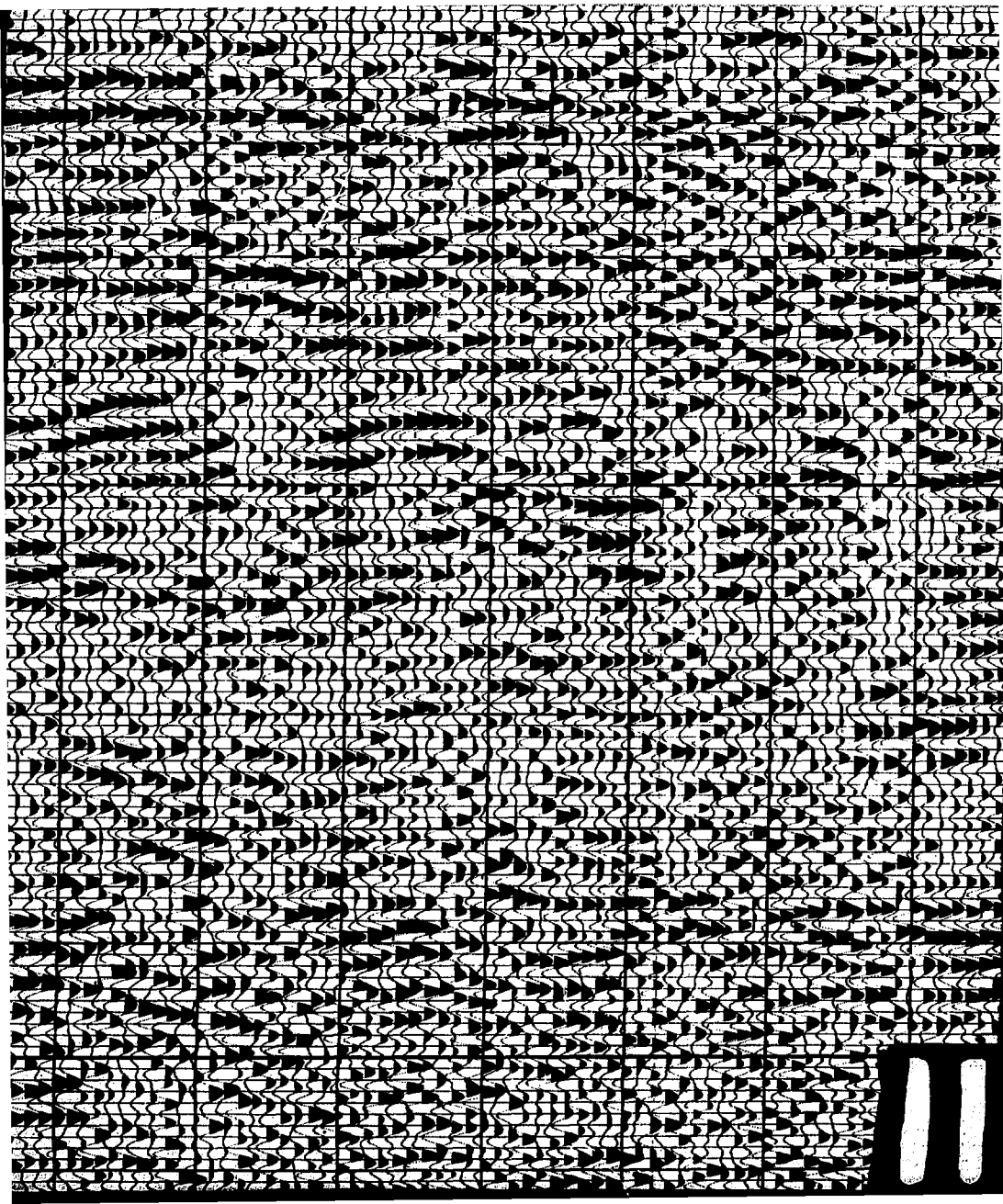

<p>LØS MEDANØS</p>



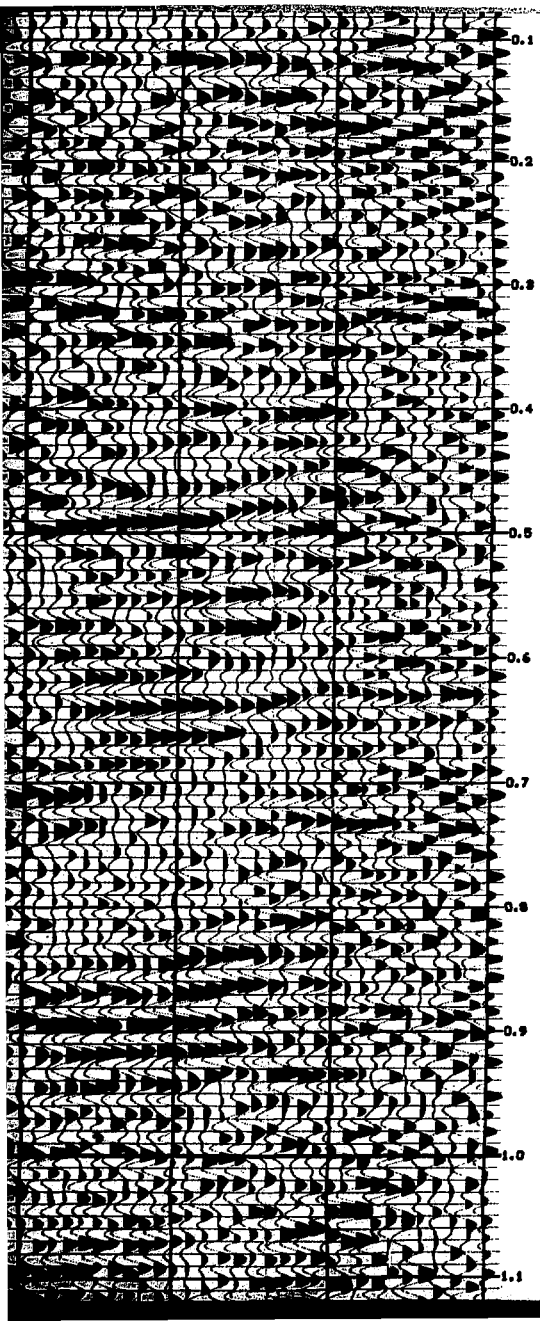












# LØS MEDANØS

## LINE X-7 STATIONS 3-170 SOUTHEAST NEW MEXICO

### INPUT REEL HEADER INFORMATION

REEL NUMBER	
DATE CREATED	11/17/77
NUMBER SAMPLES/TRACE	1000
SAMPLE RATE IN HILLS	2
PROCESSOR	
LINE NUMBER	X-7
JOB NUMBER	
SECTION NUMBER	
PROCESSING STEP	

### FIELD INFORMATION

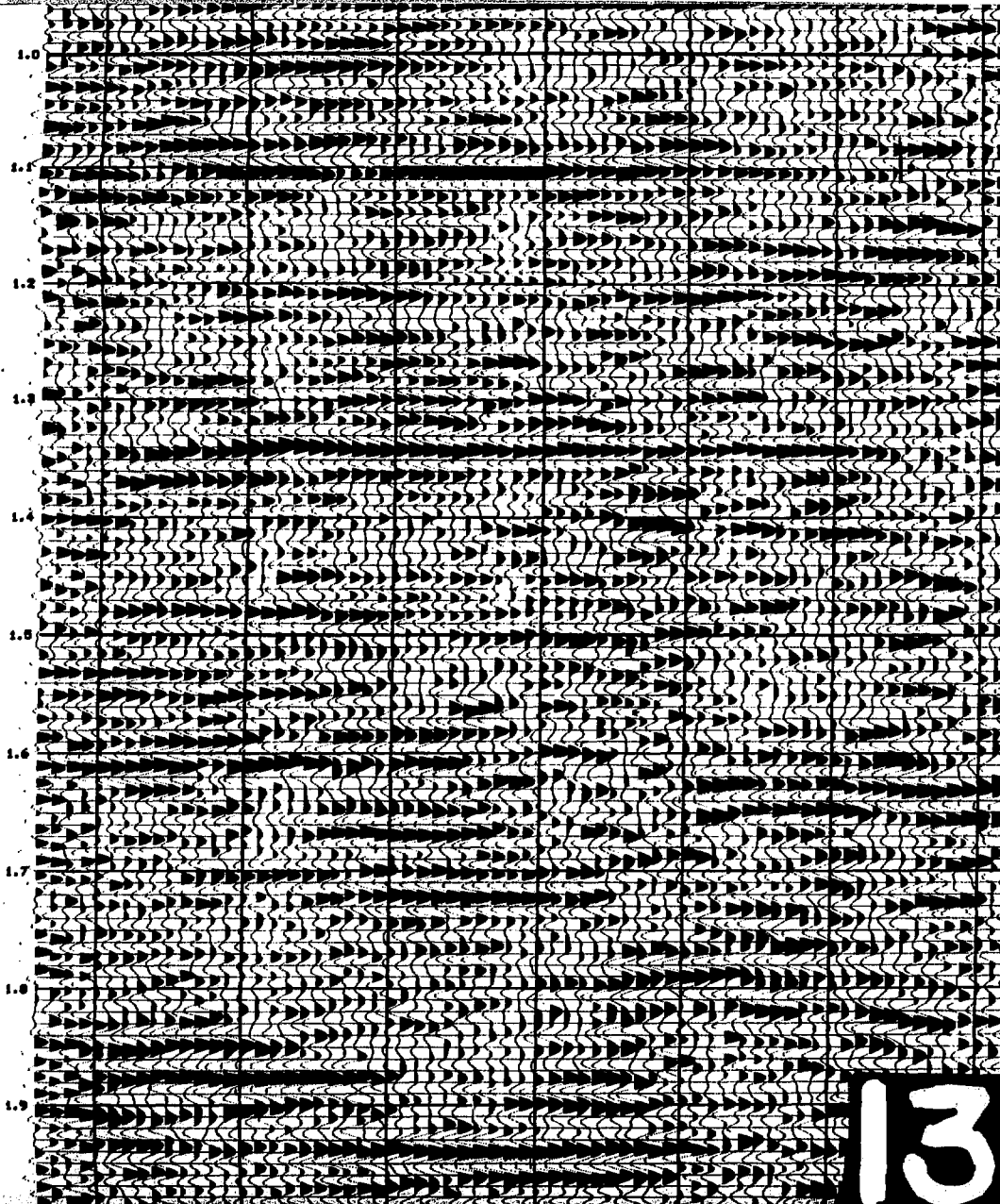
RECORDED BY: DRESSER OLYMPIC	PARTY: NO. 62
DATE: NOVEMBER 5, 1977	FILTER: 18/36-124
INSTRUMENTS: CFS I - DFS IV	SAMPLE RATE: 2HS
NOTCH FILTER: IN	SOURCE: VIBROGEIS
RECORD LEN: 16 SEC.	SWEEP LEN: 12 SEC.
SWEEP FREQ: 25-100 HZ	NS/SWEEPS: 24
STN INV: 110 FT.	VIB. INV: 110 FT.
NSG FOR STN: 6	NSG TYPE: 08C-200
ARRAY TYPE: INLINE	TYPE COVER: 1200 PACT

### PROCESSING SEQUENCE

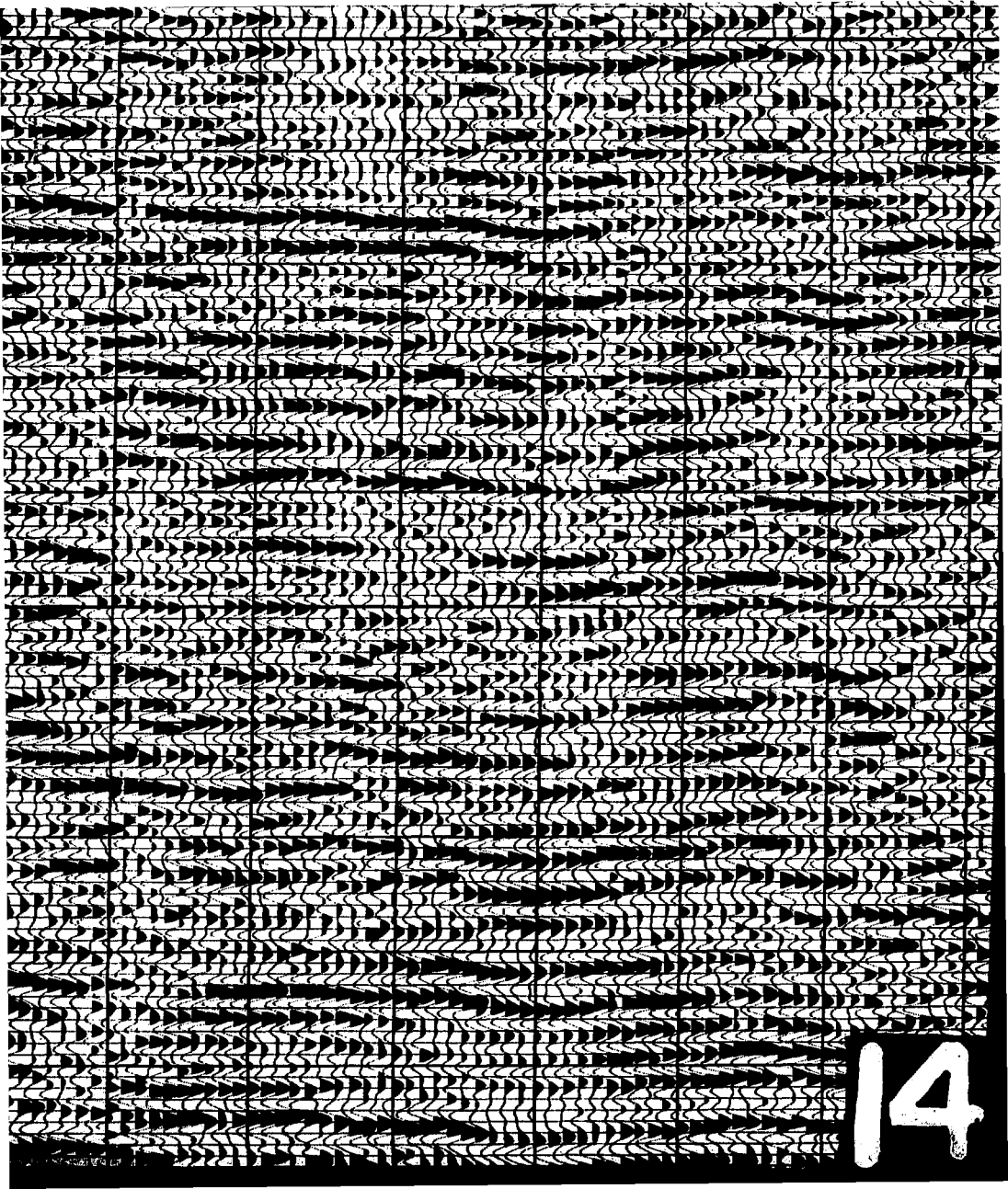
PROCESSED BY DRESSER OLYMPIC

- STATS COMPUTATION**  
 DATUM: 3200 FT.  
 VSN: 6000 FT/SEC.
- 1) DEMULTIPLEX
  - 2) BINARY GAIN RECOVERY
  - 3) VIBROGEIS CONVOLUTION
  - 4) COMMON DEPTH POINT SORTERS
  - 5) DECONVOLUTION  
 OPERATOR LENGTH=140 MILS  
 PREDICTION TIME BASED ON 2ND ZERO CROSSING
  - 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-8.0 SEC. 25-80 HZ
  - 7) APPLY DATUM STATICS
  - 8) VELOCITY ANALYSIS
  - 9) APPLY NSG
  - 10) FIRST GAIN SUPPRESSION (MUTE)
  - 11) STACK 12 FOLD
  - 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-8.0 SEC. 25-80 HZ
  - 13) DIGITAL AGC
  - 14) DISPLAY  
 8 TR/IN  
 10 IN/SEC.

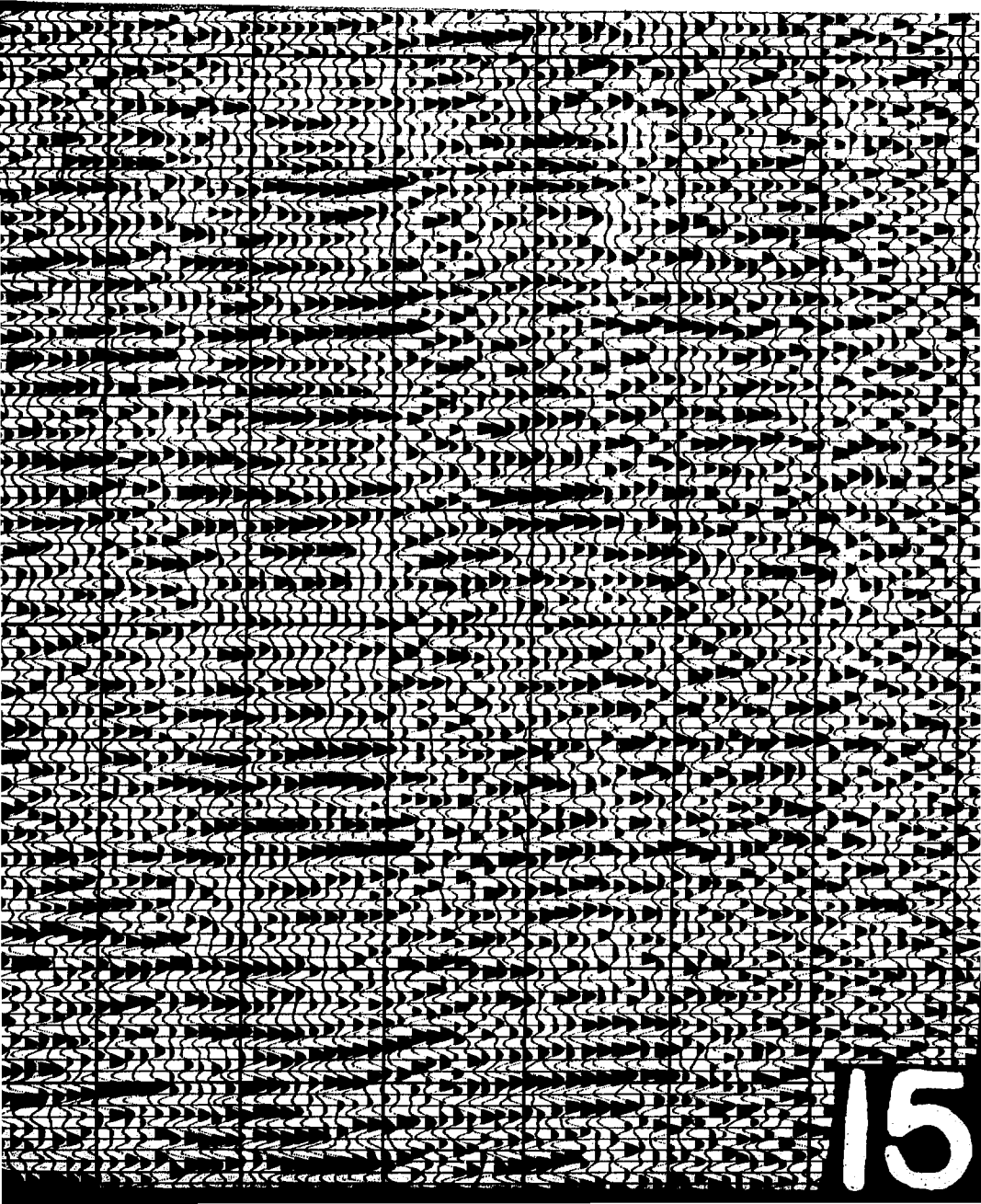


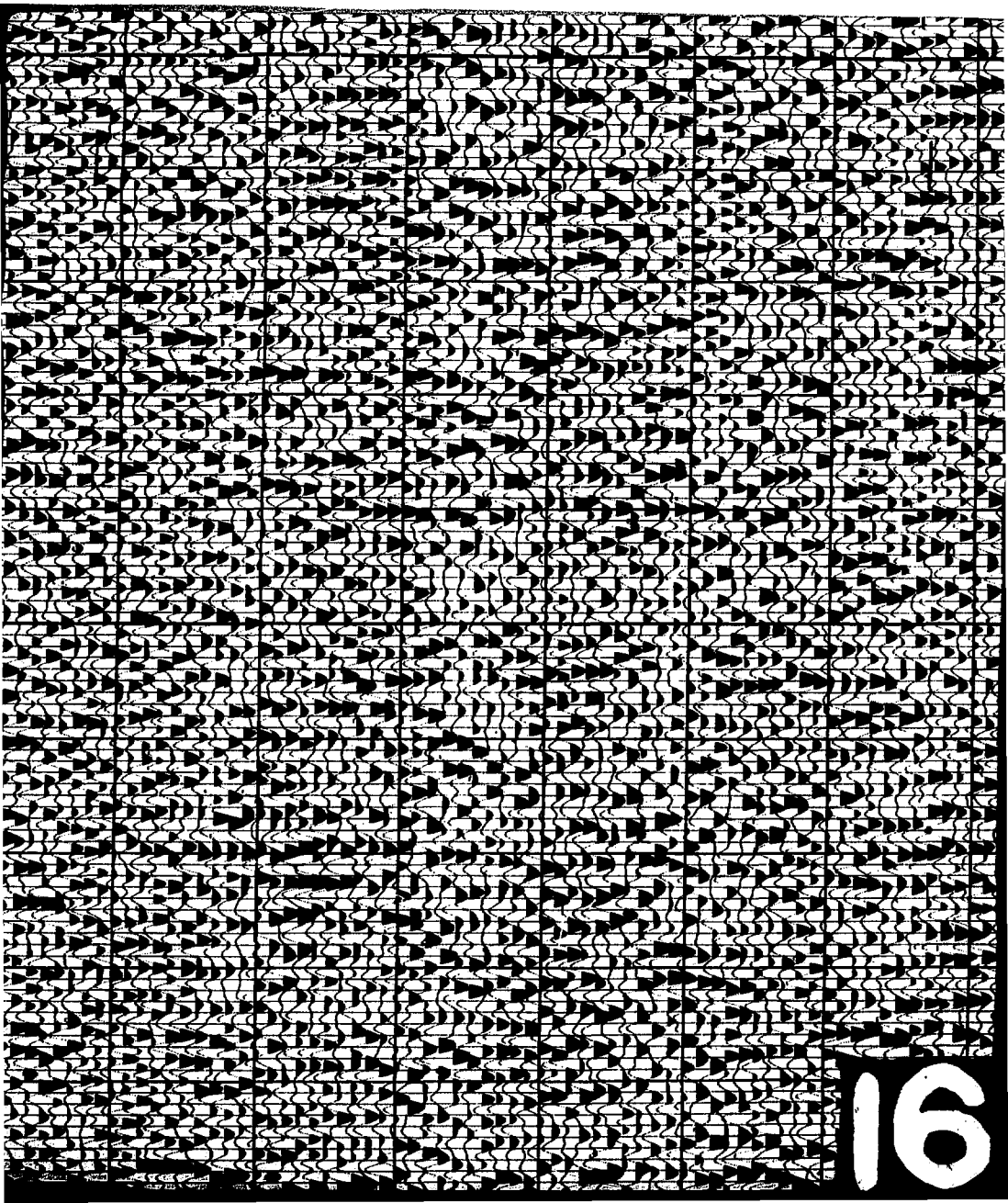


13

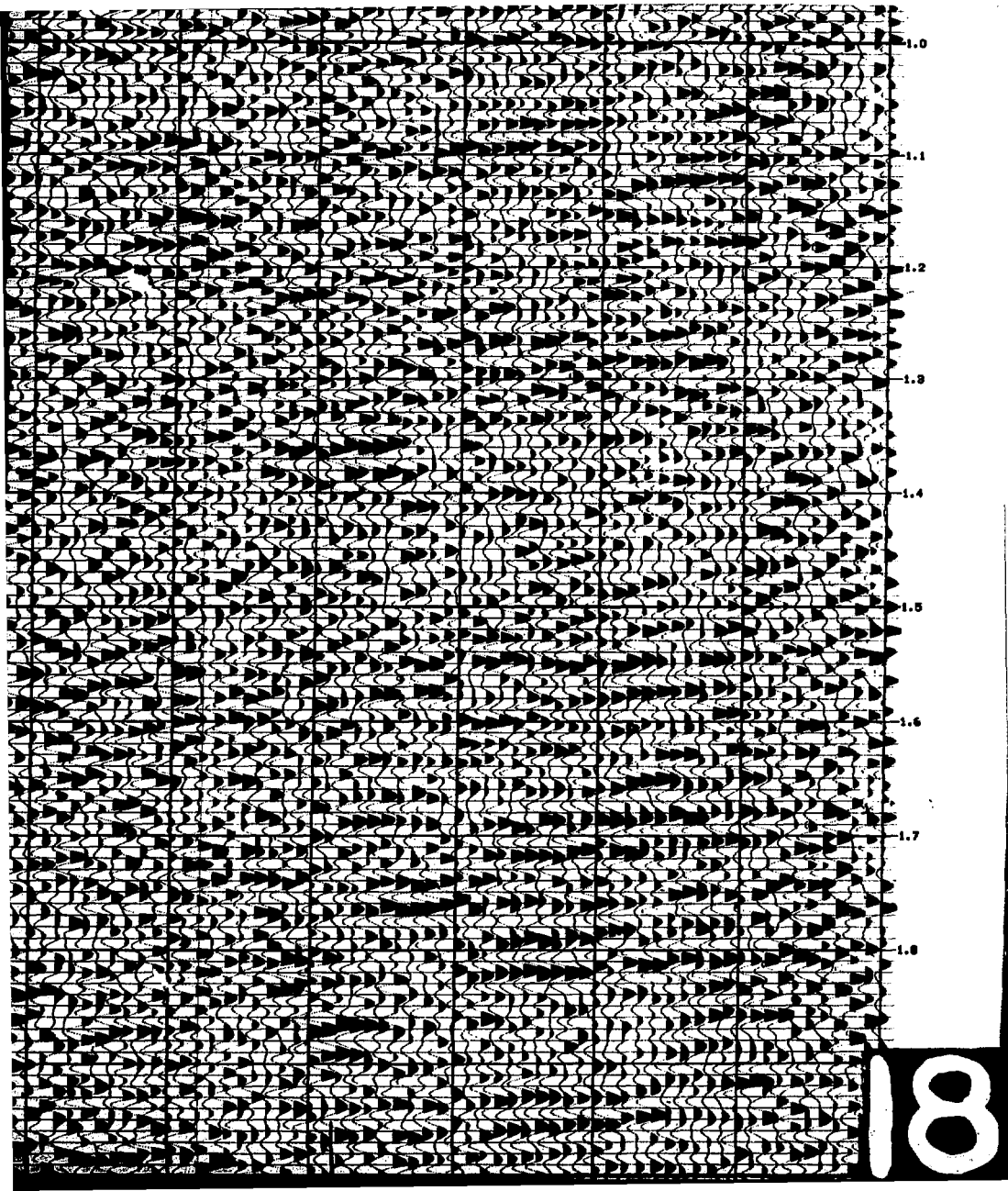


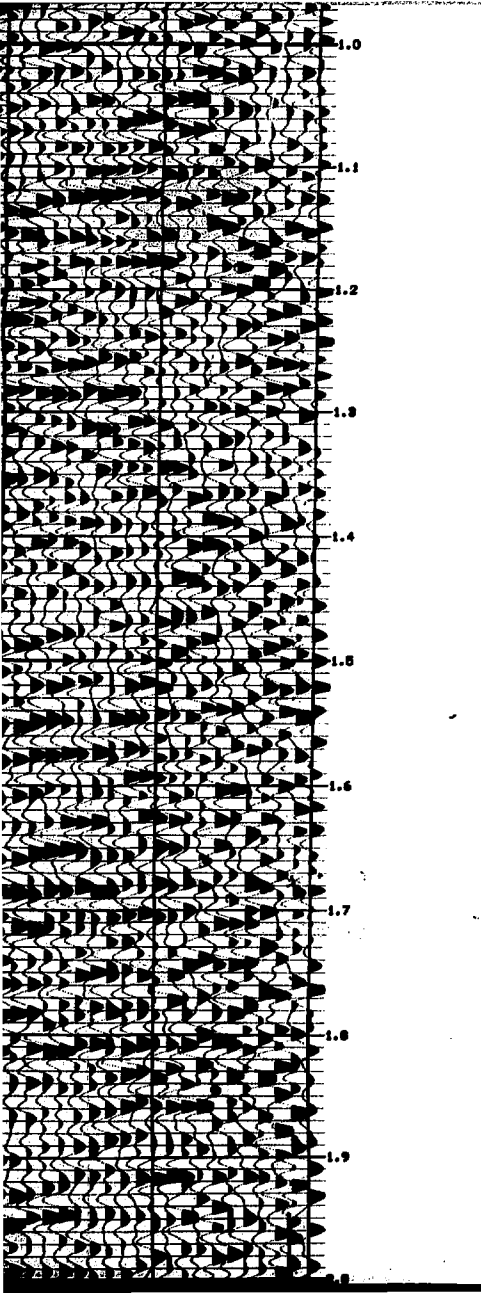
14











1.0  
1.1  
1.2  
1.3  
1.4  
1.5  
1.6  
1.7  
1.8  
1.9

10: FIRST BRINK SUPPRESSION (MUTE)  
 11: STACK 12 FOLD  
 12: TIME-INVARIANT DIGITAL FREQUENCY FILTER  
 0.0-8.0 SEC. 25-80 HZ  
 13: DIGITAL AGC  
 14: DISPLAY  
 8 TR/IN  
 10 IN/SEC.

SPREAD DIAGRAM

12 VP 18

1 ..... 1210 ..... 440 440 ..... 1210 ..... 24

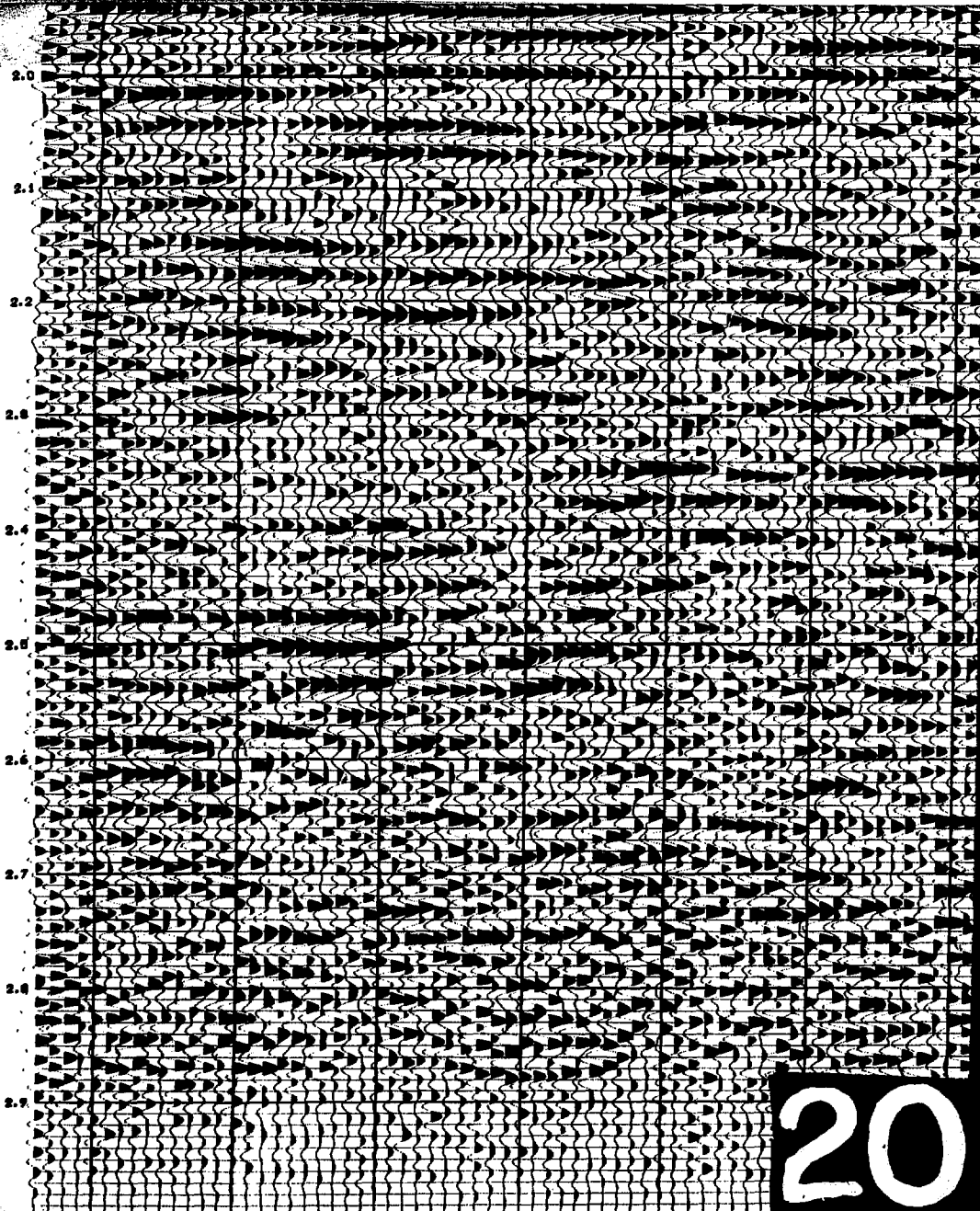
\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN 200  
 HORIZONTAL SCALE 8. TR/IN  
 VERTICAL SCALE 10. IN/SEC  
 FILMING DIRECTION L/R  
 PERCENT AFR 0  
 POLARITY BLACK<VE

\*\*\*\*\*  
 GAIN CONTROLLED BY  
 GAINING ELECTRIC  
 \*\*\*\*\*

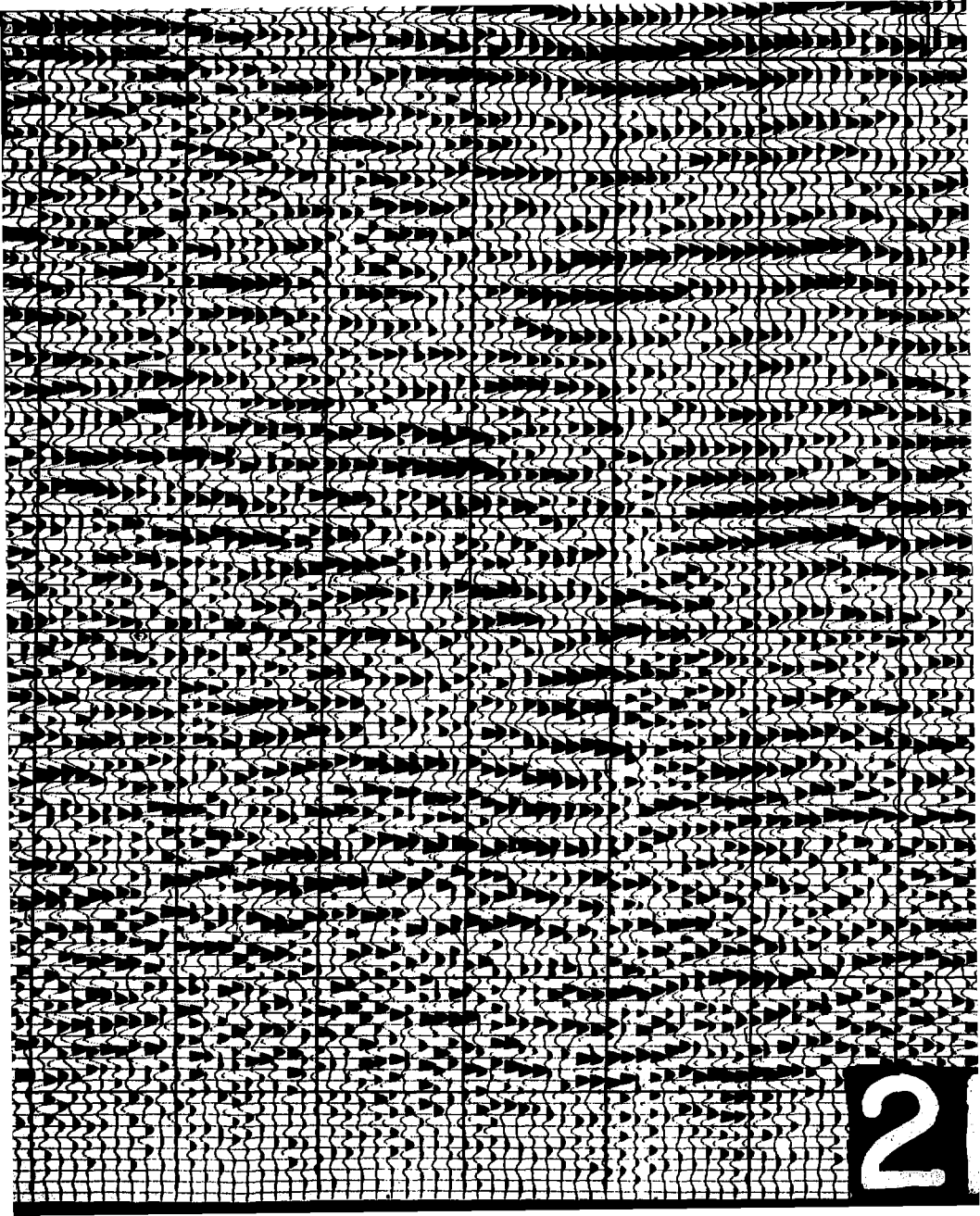
19

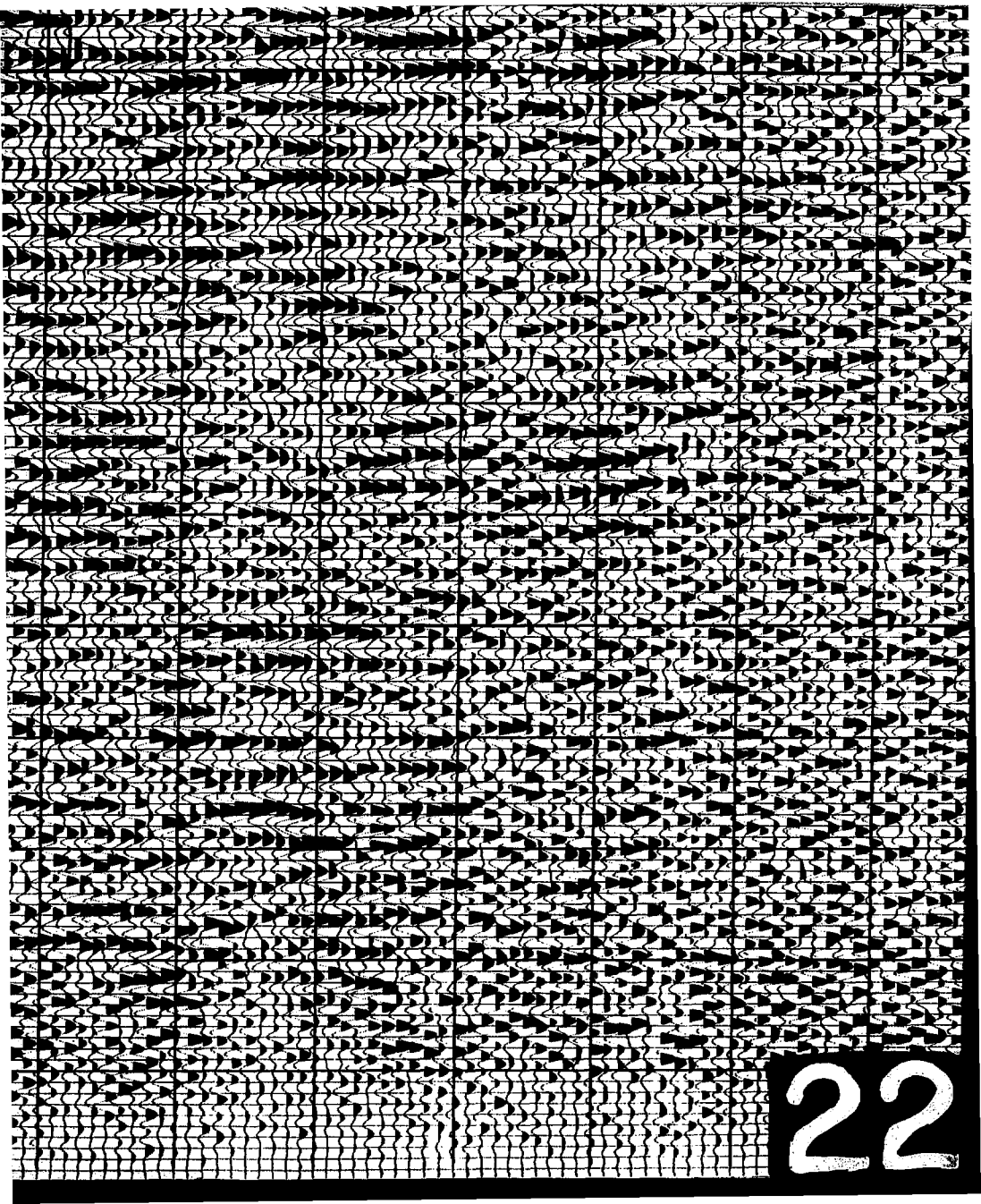


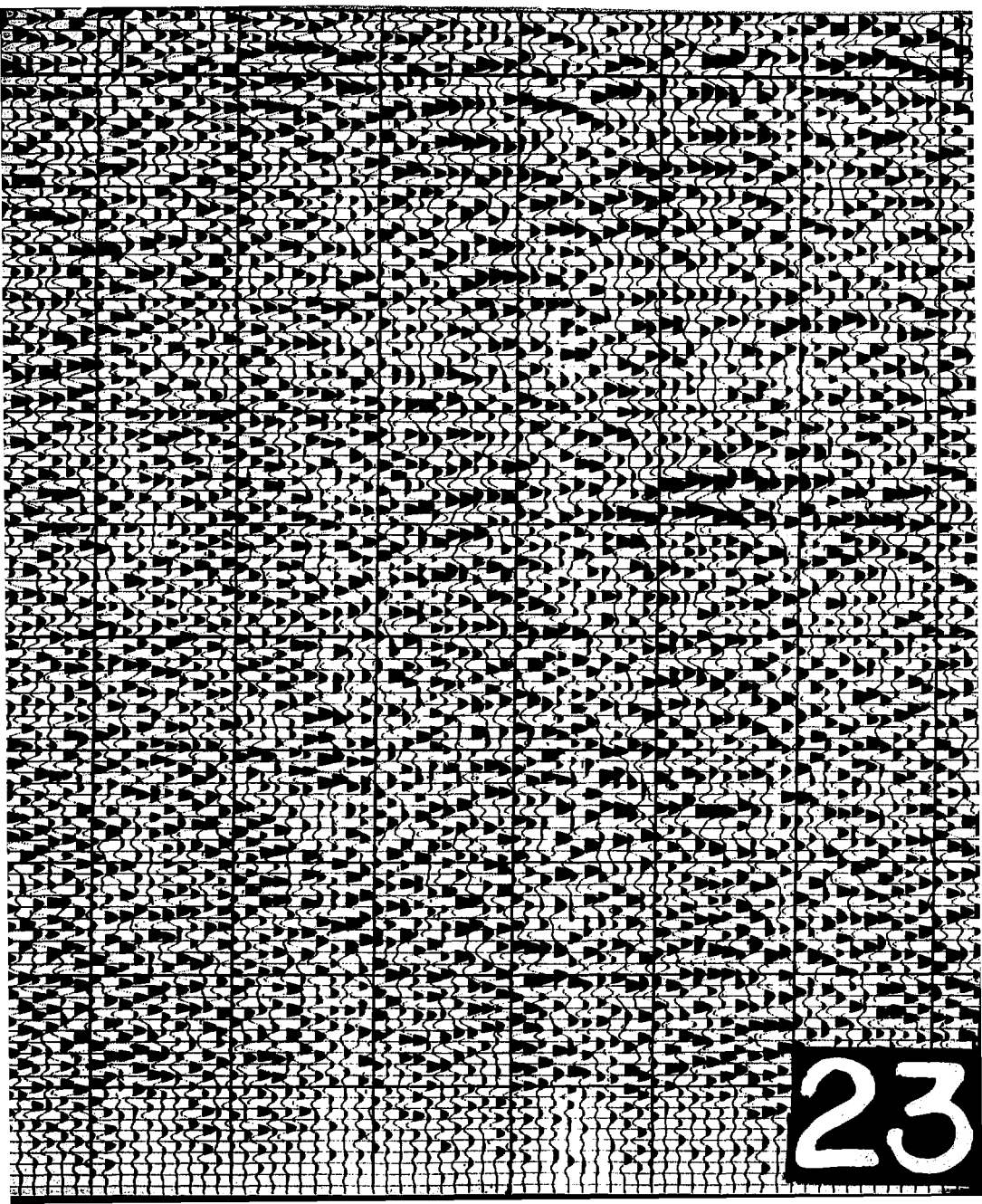


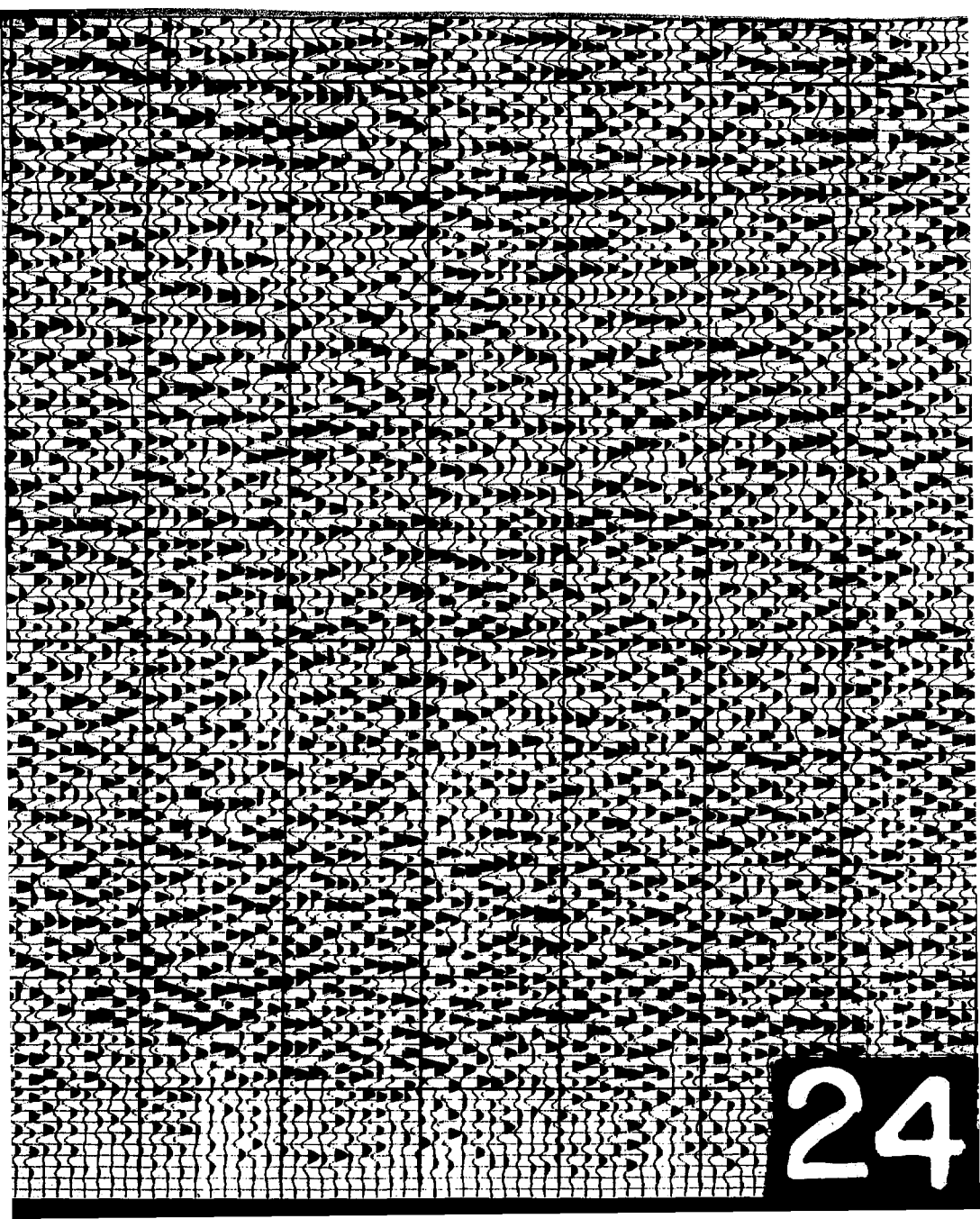
2.0  
2.1  
2.2  
2.3  
2.4  
2.5  
2.6  
2.7  
2.8  
2.9

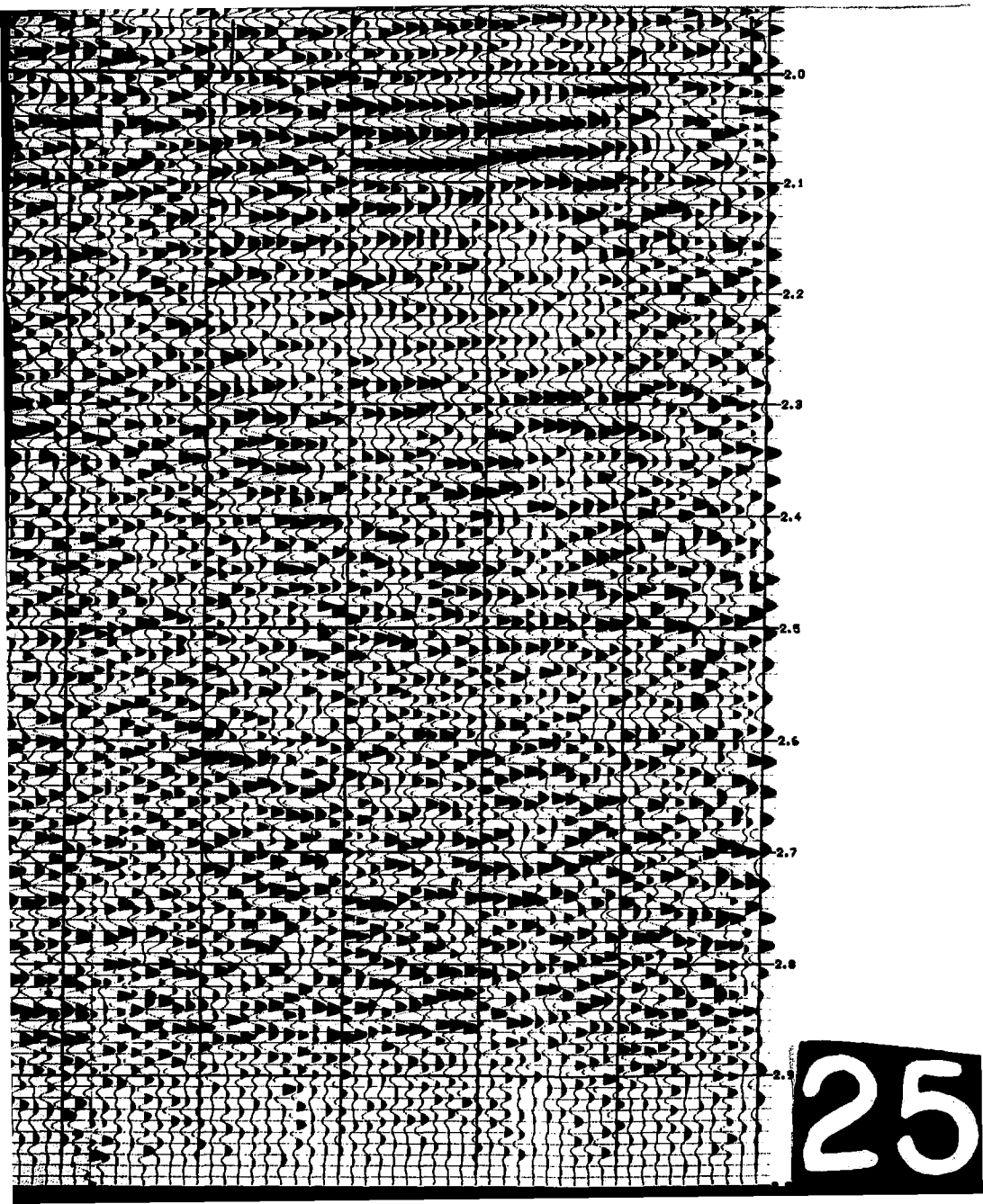
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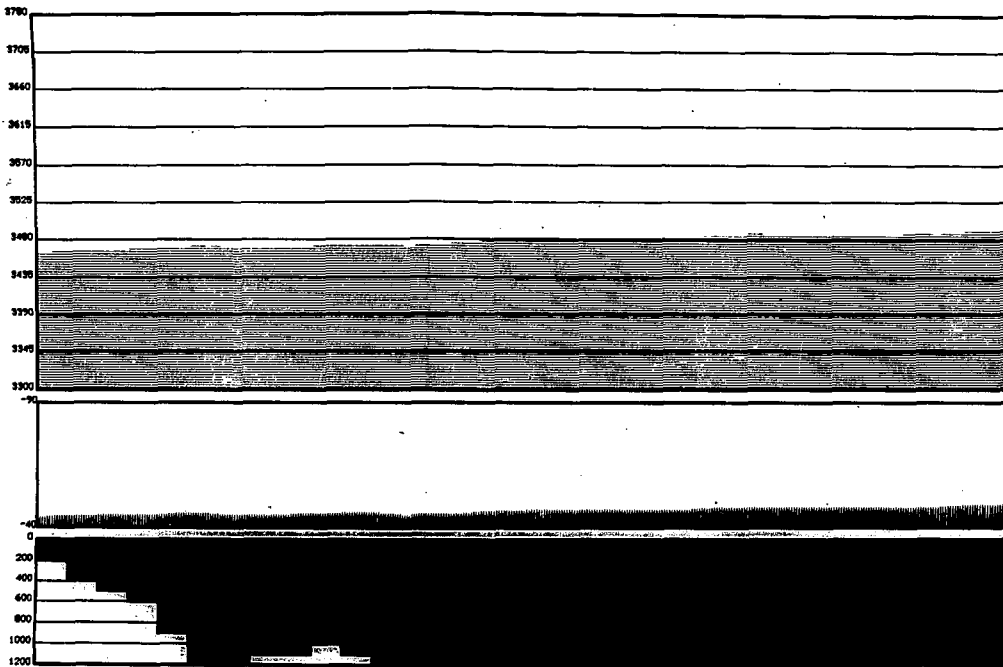




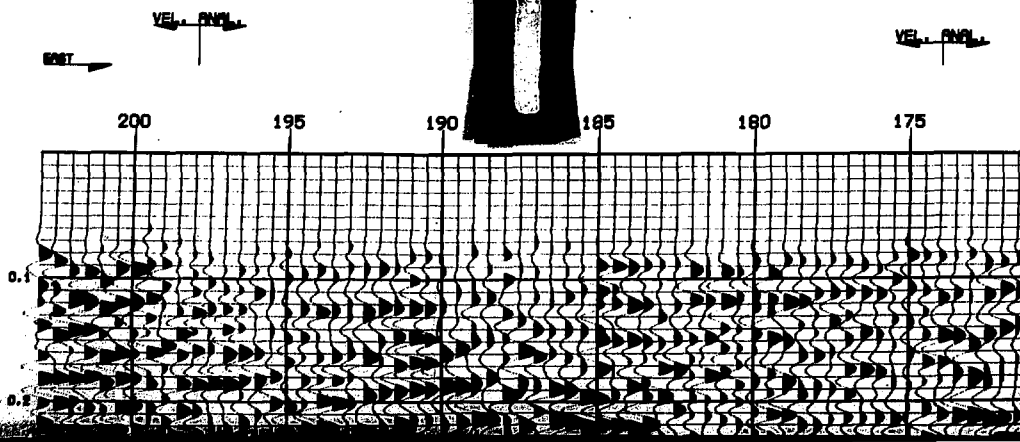


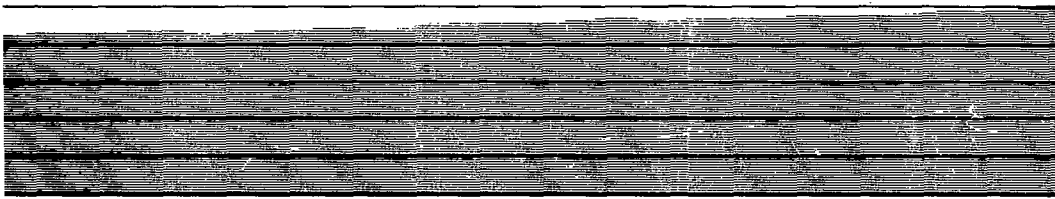


25



sec 34



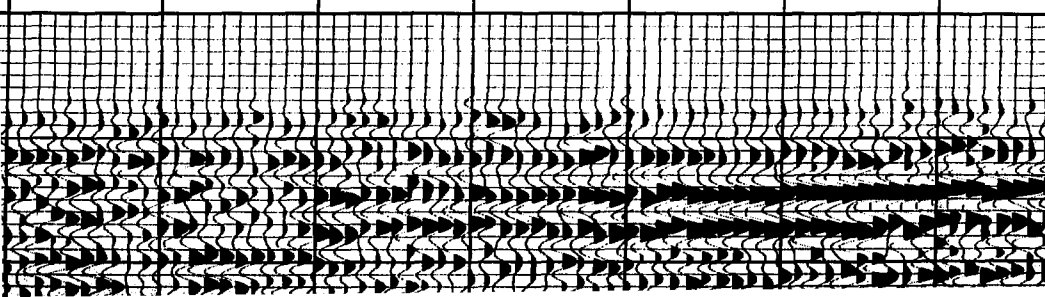


VEL. ANAL.

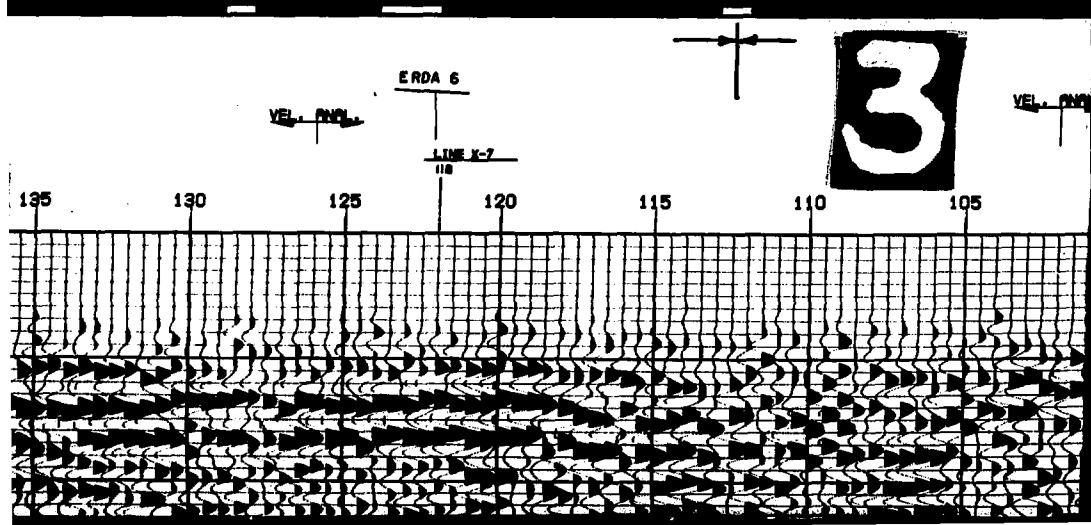
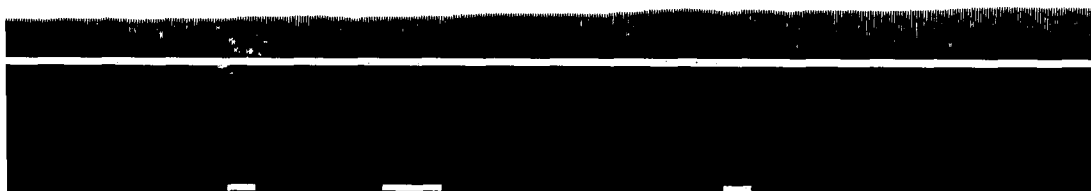
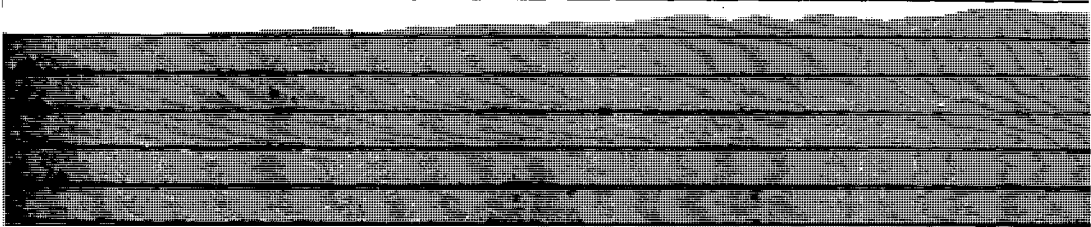
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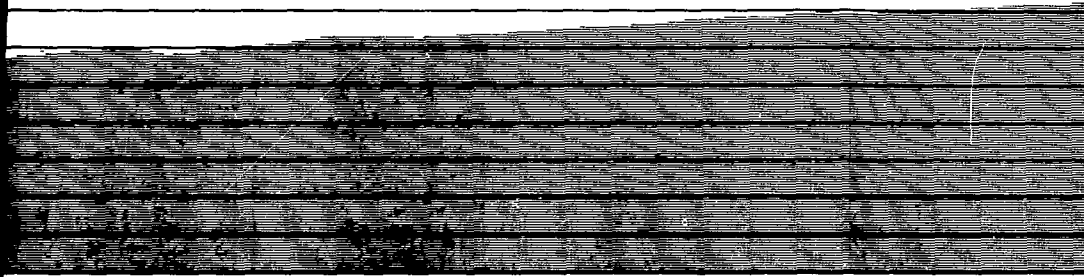
sec 35

70 165 160 155 150 145 140







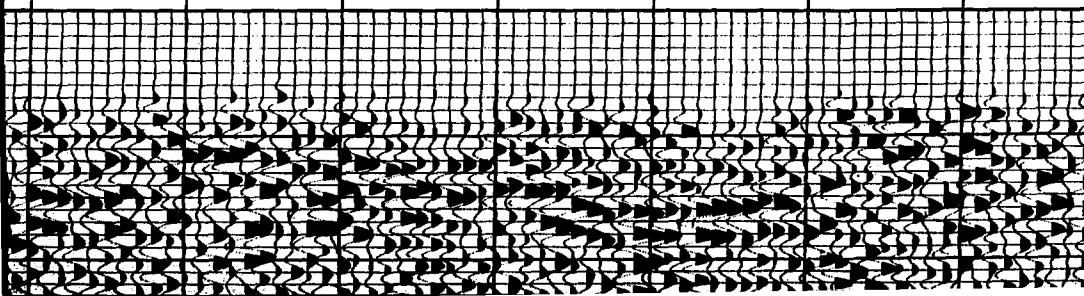


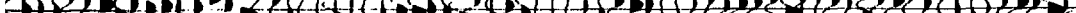
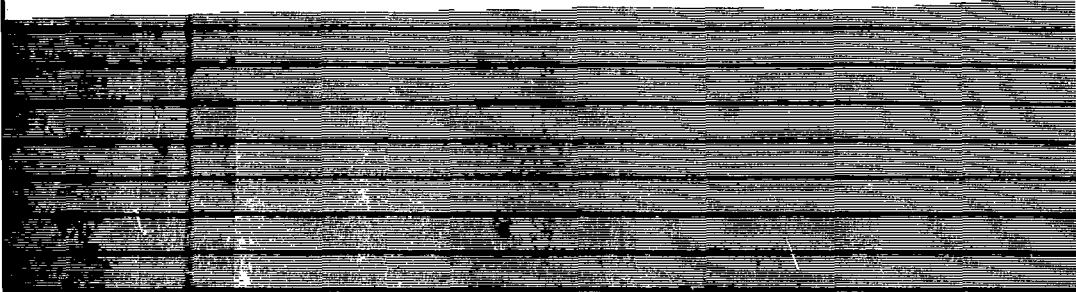
*sec 36*

VEL. ANGL.

4

100 95 90 85 80 75 70





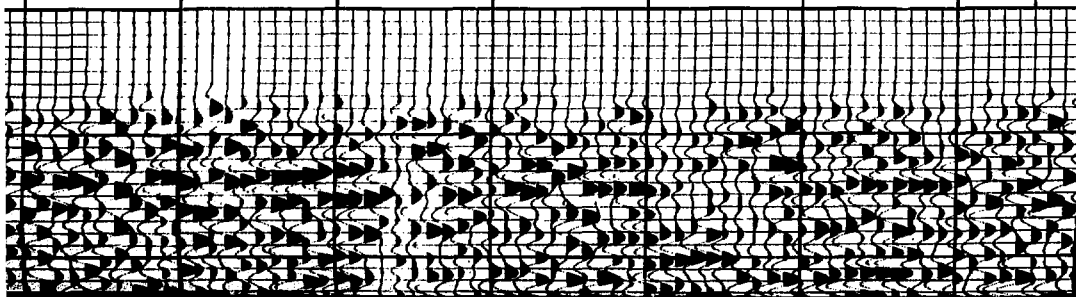
VEL. INFL.

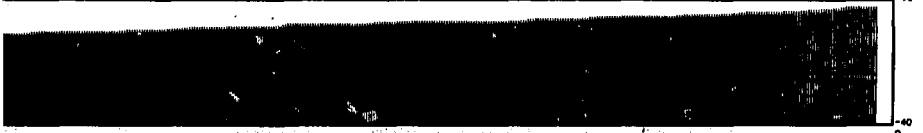
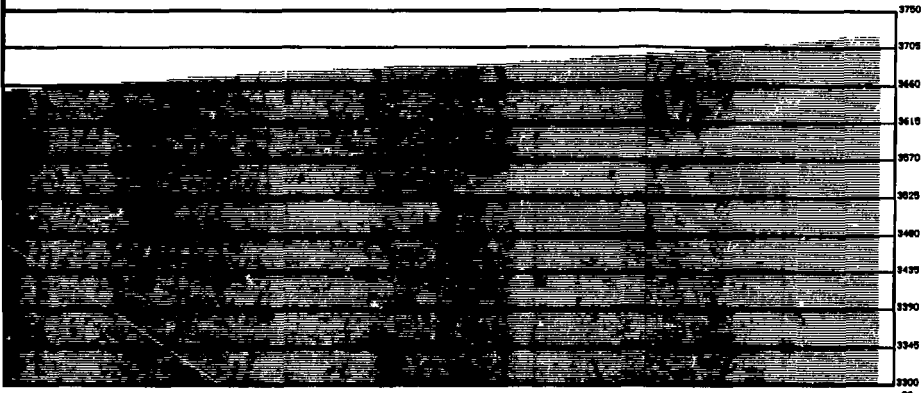
sec 31

5

ERDA 7

65 60 55 50 45 40 35



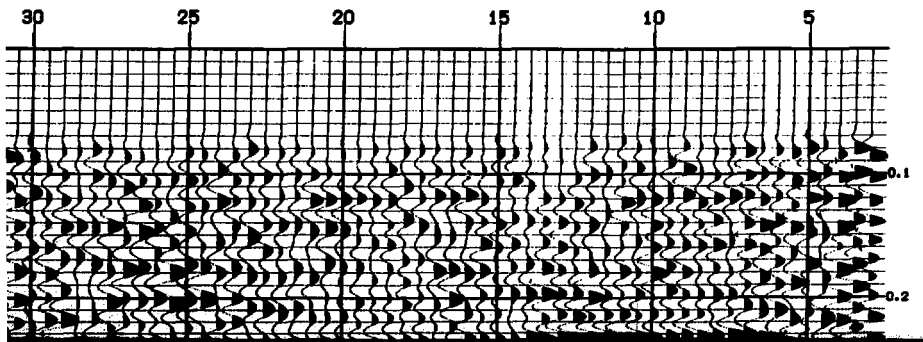


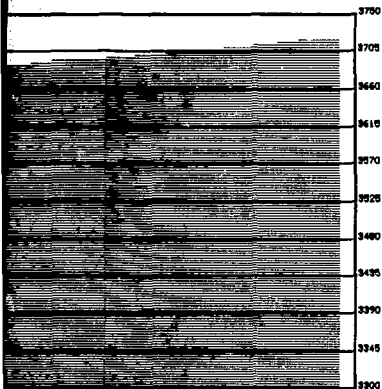
6

sec 32

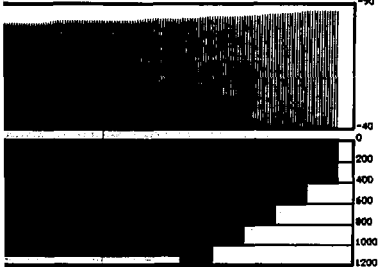
WEST

EAST





ELEVATIONS



STATICS

← sec 32

FOLD %

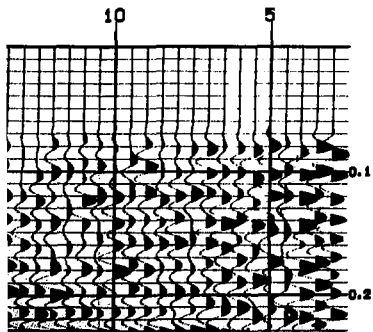
LINE DIRECTION →

7

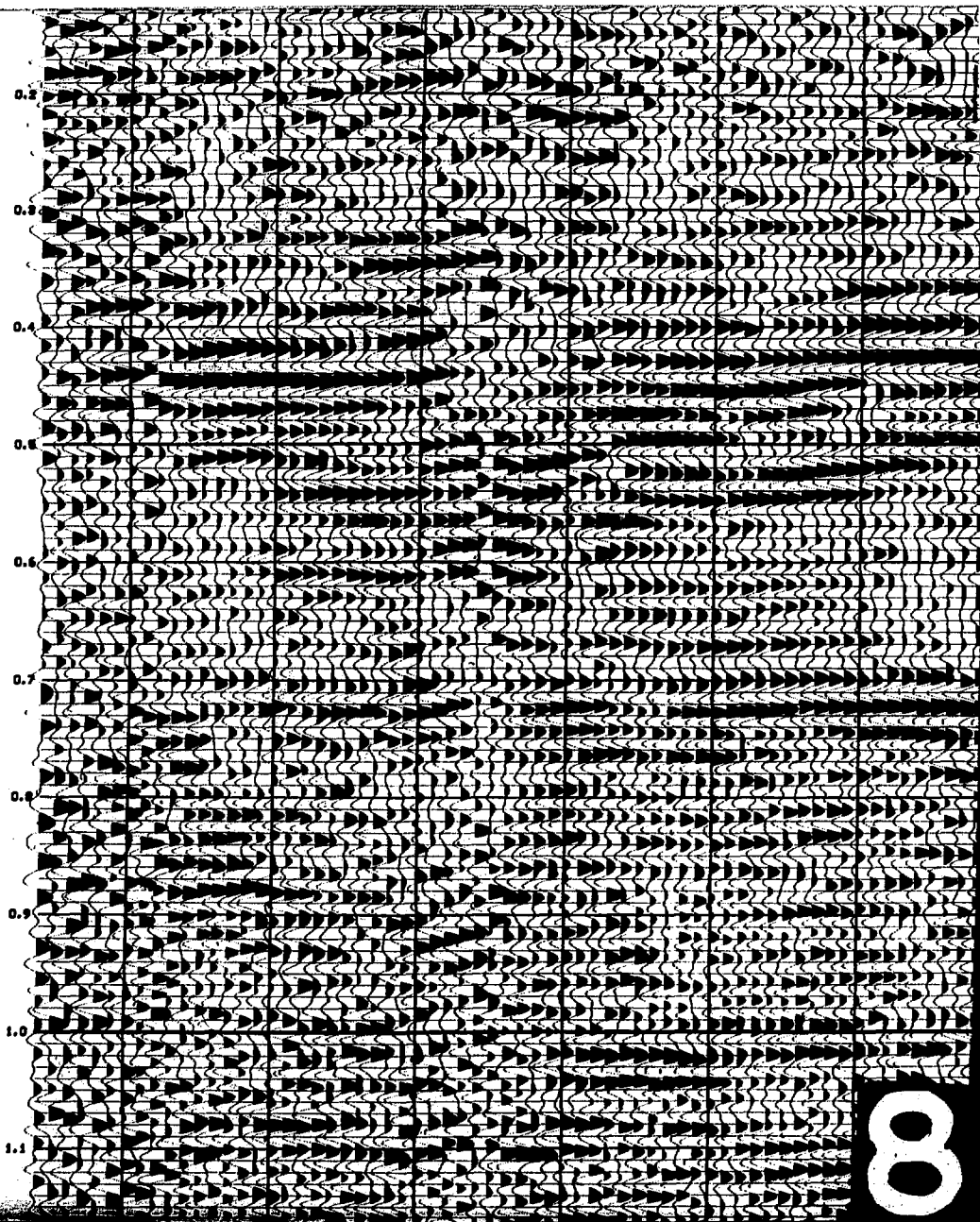
← EAST

VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

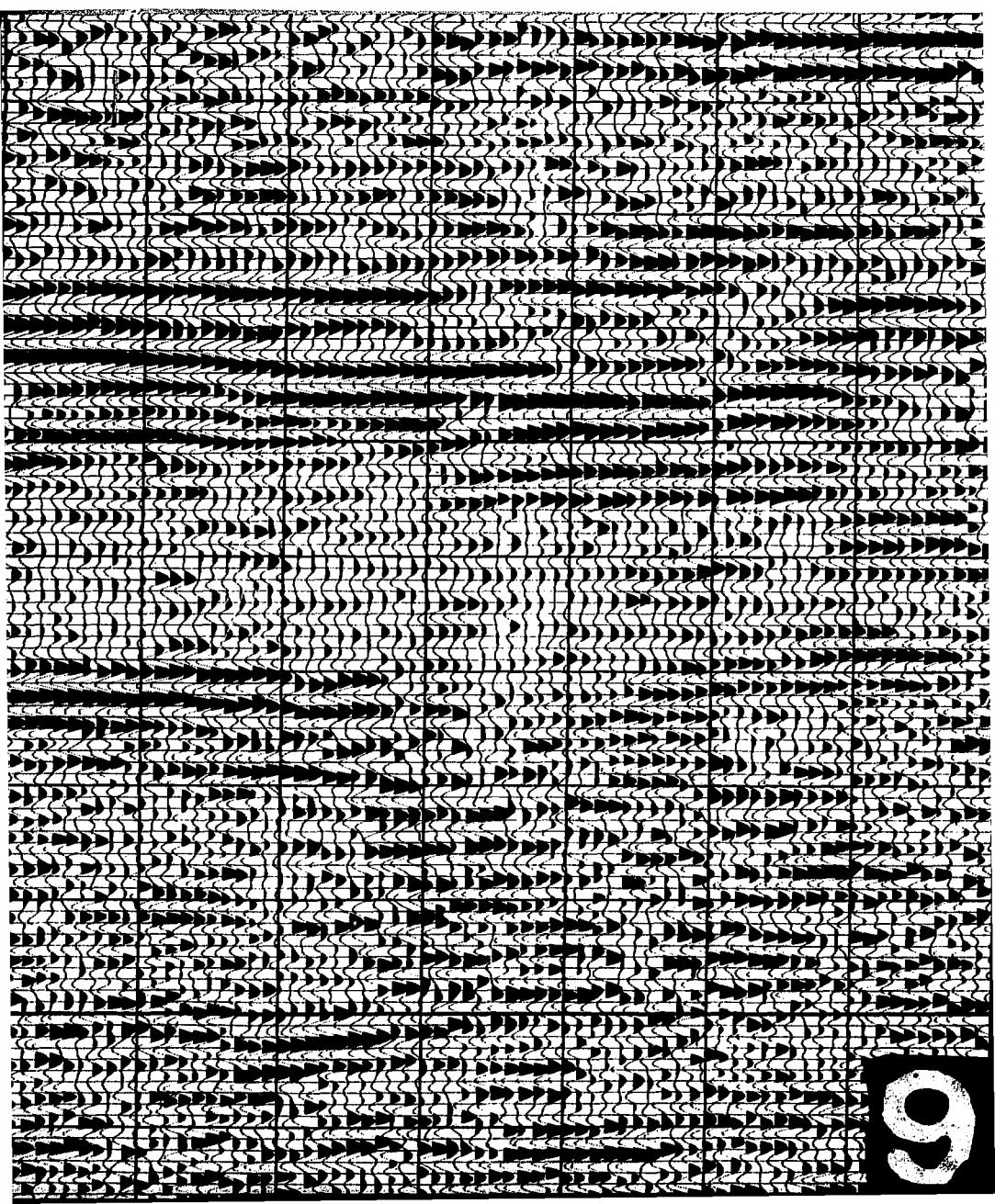
STATIONS

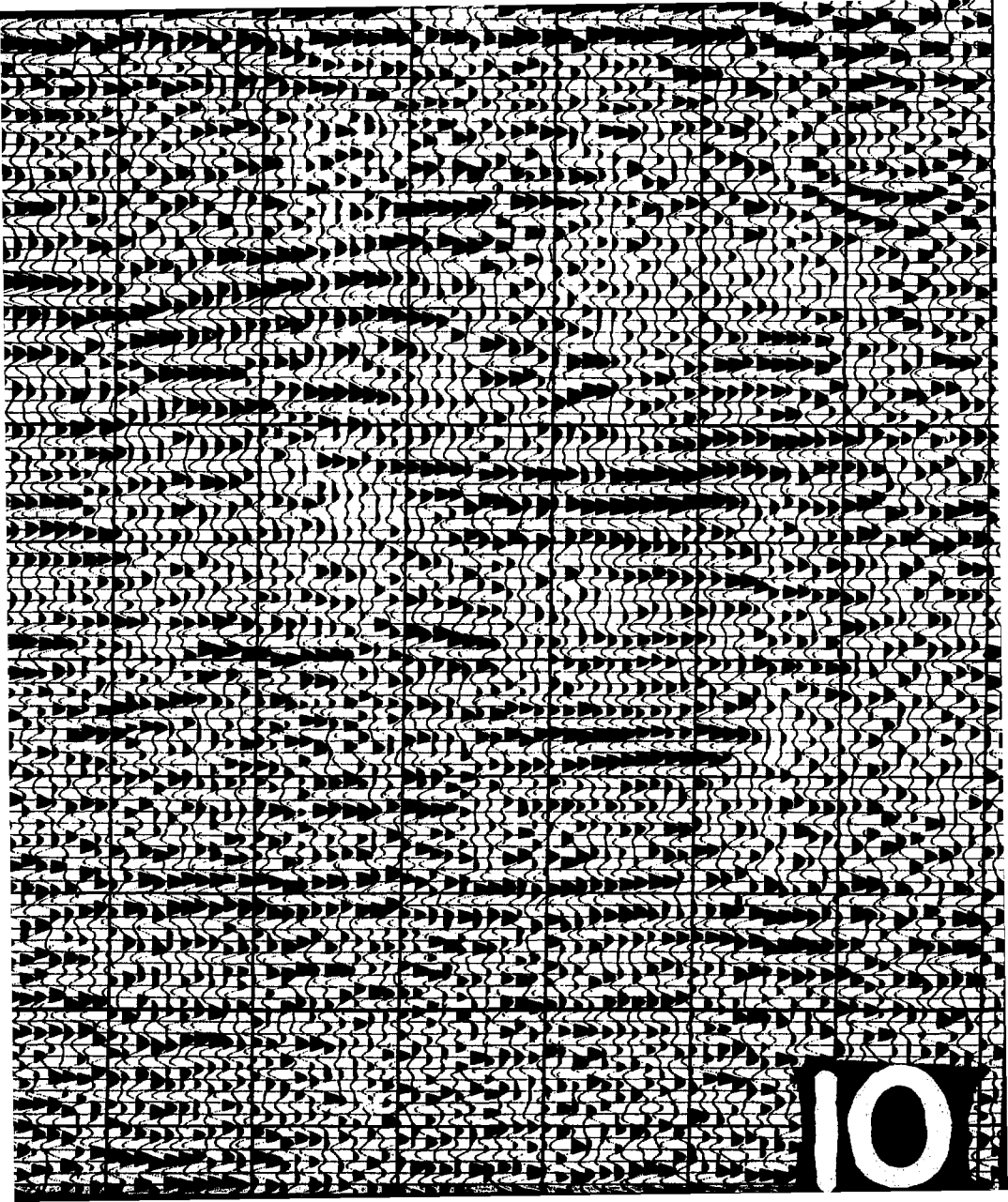


<p><b>LOS MEDANOS</b></p> <p>LINE X-8</p> <p>STATIONS 2-202</p>



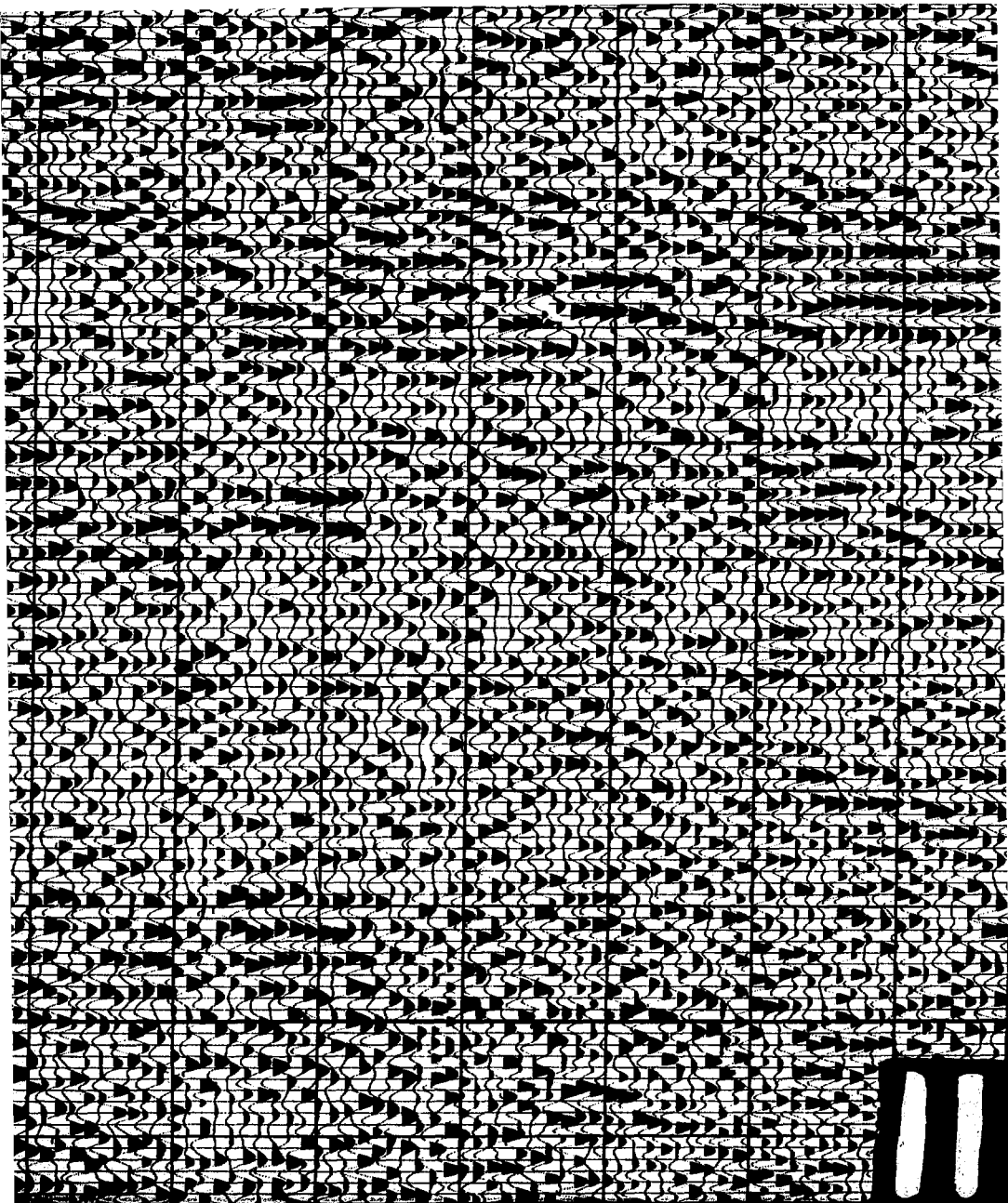
8

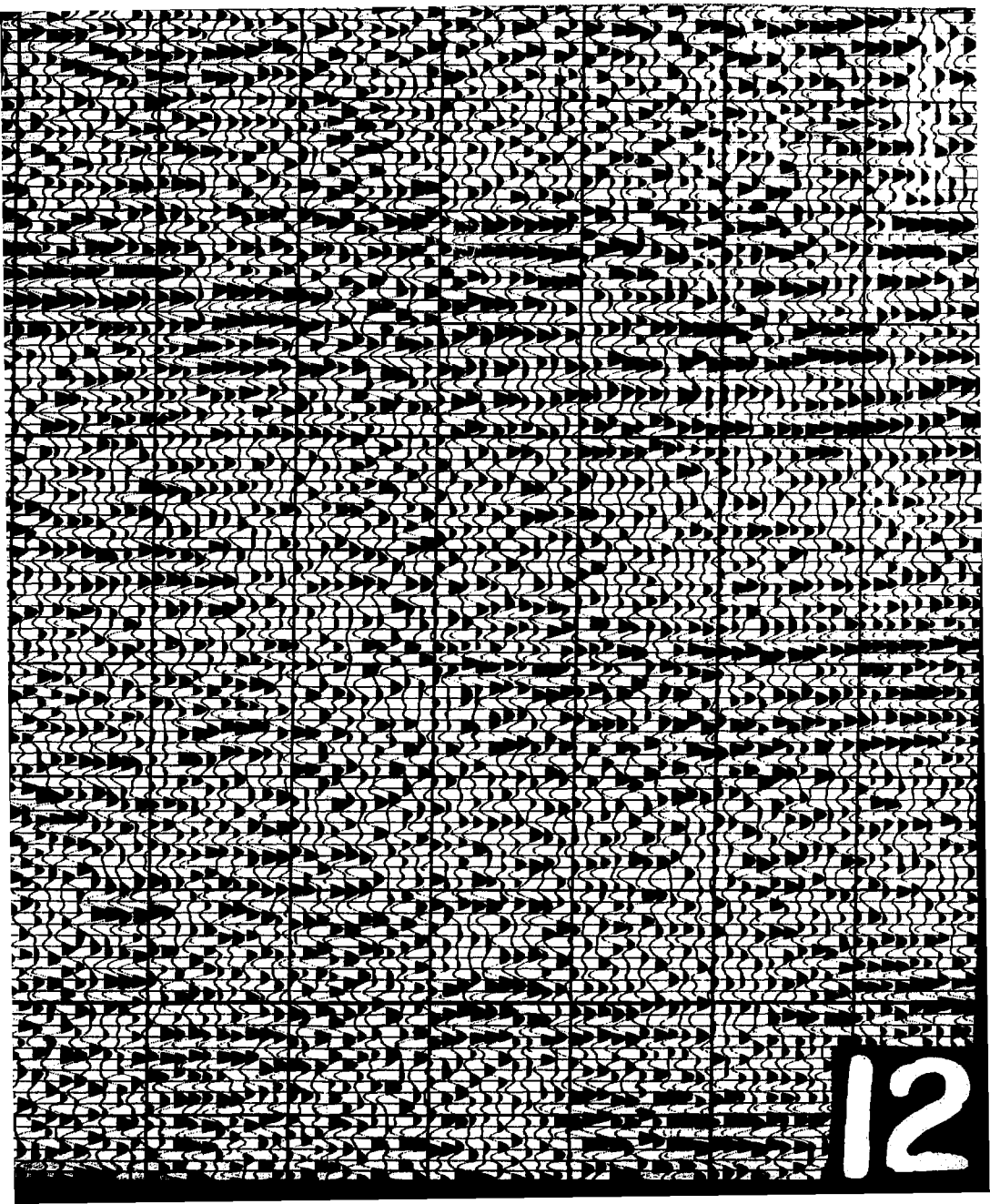




10

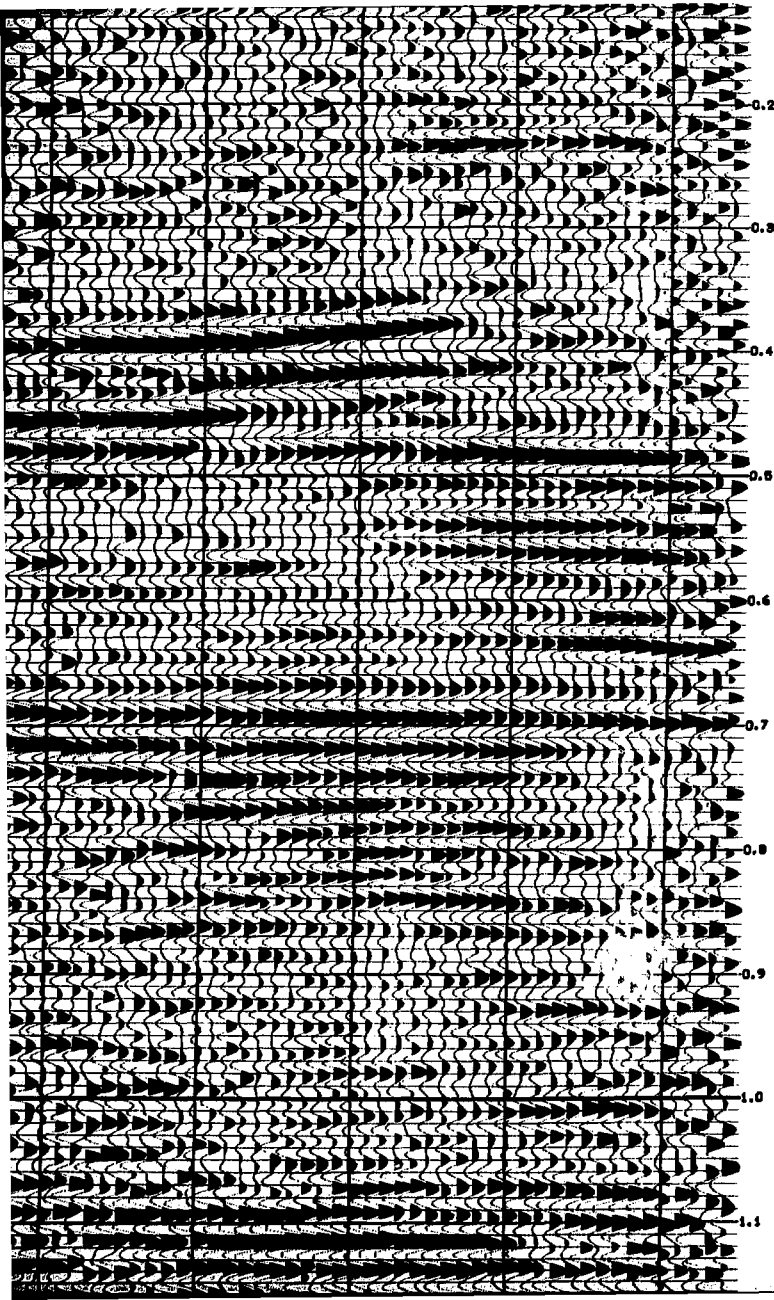






12





L0S

STAT:  
SOUTH

**14**

INPUT

REEL NO  
DATE OF  
RECORD  
SAMPLER  
PROGRAM  
LINE NO  
JOB NO  
SECTION  
PROCESS

FIELD

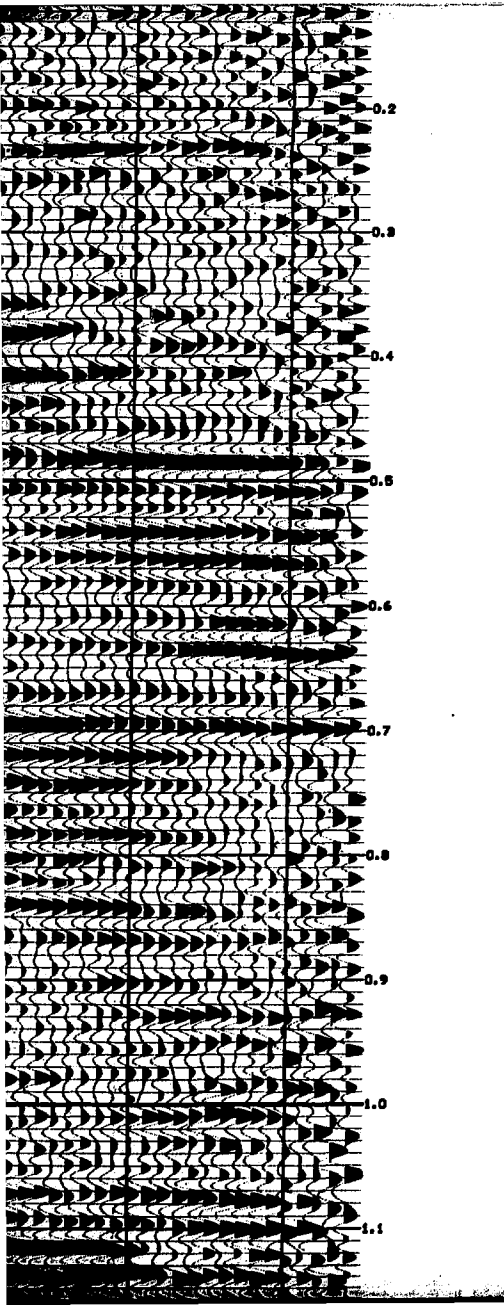
RECORDED BY: DRESHER BL  
DATE: NOVEMBER 11  
INSTRUMENTS: CFS I - DFI  
NOTCH FILTER: 1M  
RECORD LENGTH: 16 SEC.  
SAMPLING FREQ: 25-100 HZ  
STATION INVERT: 110 FT.  
SAMPLING PER STATION: 6  
ARRAY TYPE: INLINE

PROCESS

PROCESS

STATISTICS COMPUTATION  
DATA: 6200 FT.  
VSM: 6000 FT/4

- 1) DEMULTIPLEX
- 2) BINARY ORIN RECOVER
- 3) VIBROSEIS CORRELATI
- 4) COMMON DEPTH POINT
- 5) DECONVOLUTION  
OPERATOR LENGTH=140  
PREDICTION TIME 5M
- 6) TIME-INVARIANT DIBI  
0.0-0.0 SEC. 25-0
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMS
- 10) FIRST BREAK SUPPRESS
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIBI  
0.0-0.0 SEC. 25-0
- 13) DIGITAL ABC
- 14) DISPLAY  
0 TR/IN  
10 IN/SEC.



# LOS MEDANOS

LINE X-8  
STATIONS 3-203  
SOUTHEAST NEW-MEXICO

### INPUT LABEL HEADER INFORMATION

AGEE NUMBER  
DATE CREATED 12/08/77  
NUMBER SAMPLE/TRACE 1000  
SAMPLE RATE IN HILLS 2  
PROCESSOR  
LINE NUMBER X-8  
JOB NUMBER  
SECTION NUMBER  
PROCESSING STEP

### FIELD INFORMATION

RECORDED BY: OREBER OLYPIC	PARTY: NO. 62
DATE: NOVEMBER 19, 1977	FILTER: 16/36-124 HZ
INSTRUMENTS: CPS I - DFG IV	SAMPLE RATE: 2MS
SWITCH FILTER: IN	SOURCE: VIBROSEIS
RECORD LENGTH: 16 SEC.	SHOT LENGTH: 12 SEC.
SHOOP PRESS: 25-100 HZ	MS/SAMPLES: 24
STN INV: 110 FT.	VIB. INV: 110 FT.
MSB PER STN: 6	MSB TYPE: MSB-200
ARRAY TYPE: IN-LINE	TYPE COVER: 1200 PRCNT

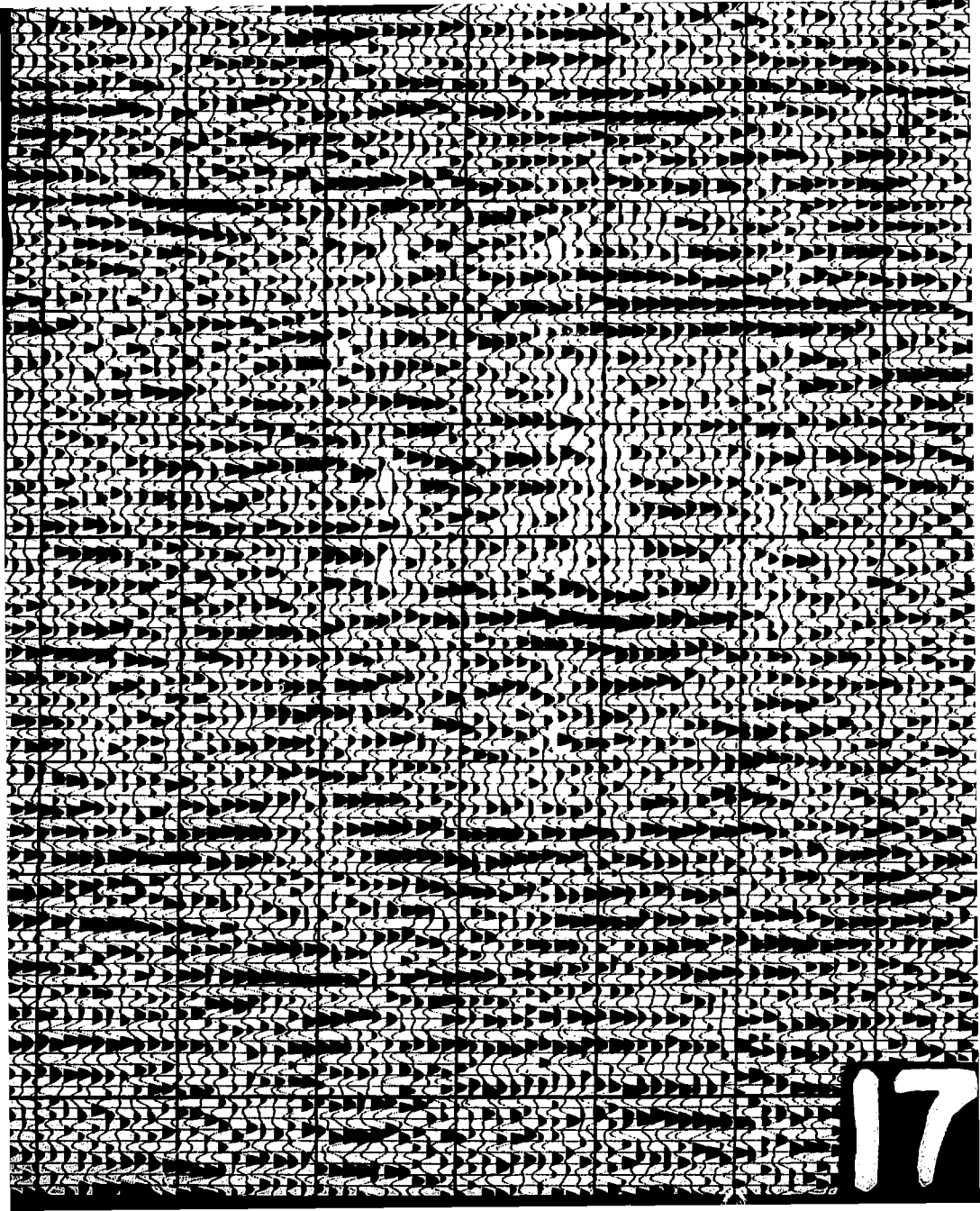
### PROCESSING SEQUENCE

PROCESSED BY OREBER OLYPIC

- STATS COMPUTATION  
DATAIN: 3200 FT.  
VMA: 6000 FT/SEC.
- 1) DEMULTIPLEX
  - 2) BINARY GAIN RECOVERY
  - 3) VIBROSEIS CORRELATION
  - 4) COMMON DEPTH POINT SORTERS
  - 5) DECONVOLUTION  
OPERATOR LENGTH=140 HILLS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
  - 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-9.0 SEC. 25-60 HZ
  - 7) APPLY DATA STATICS
  - 8) VELOCITY ANALYSIS
  - 9) APPLY NMS
  - 10) FIRST BREAK SUPPRESSION (MUTE)
  - 11) STACK 12 FOLD
  - 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-9.0 SEC. 25-60 HZ
  - 13) DIGITAL ABC
  - 14) DISPLAY  
8 TR/IN  
10 IN/SEC.

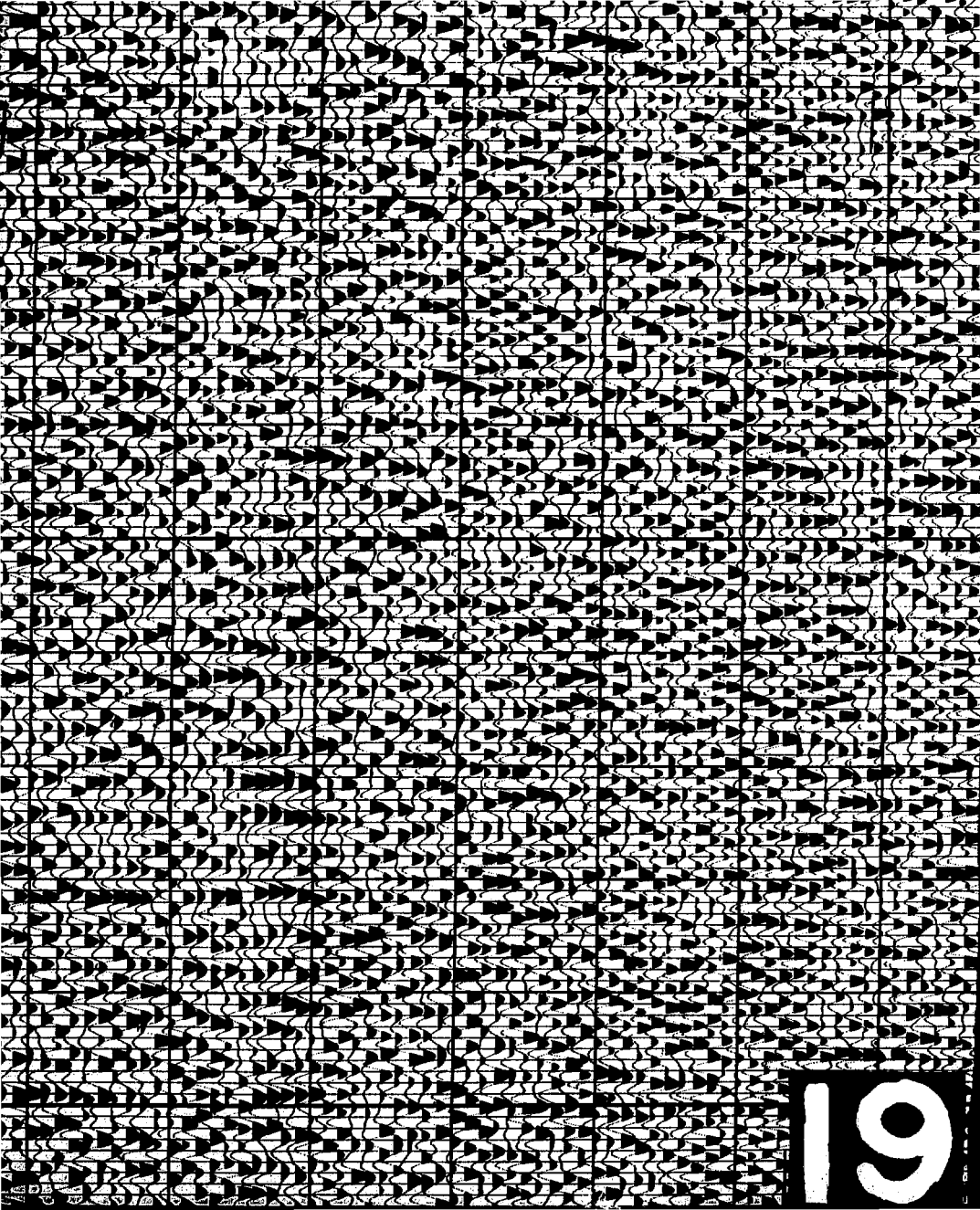
15

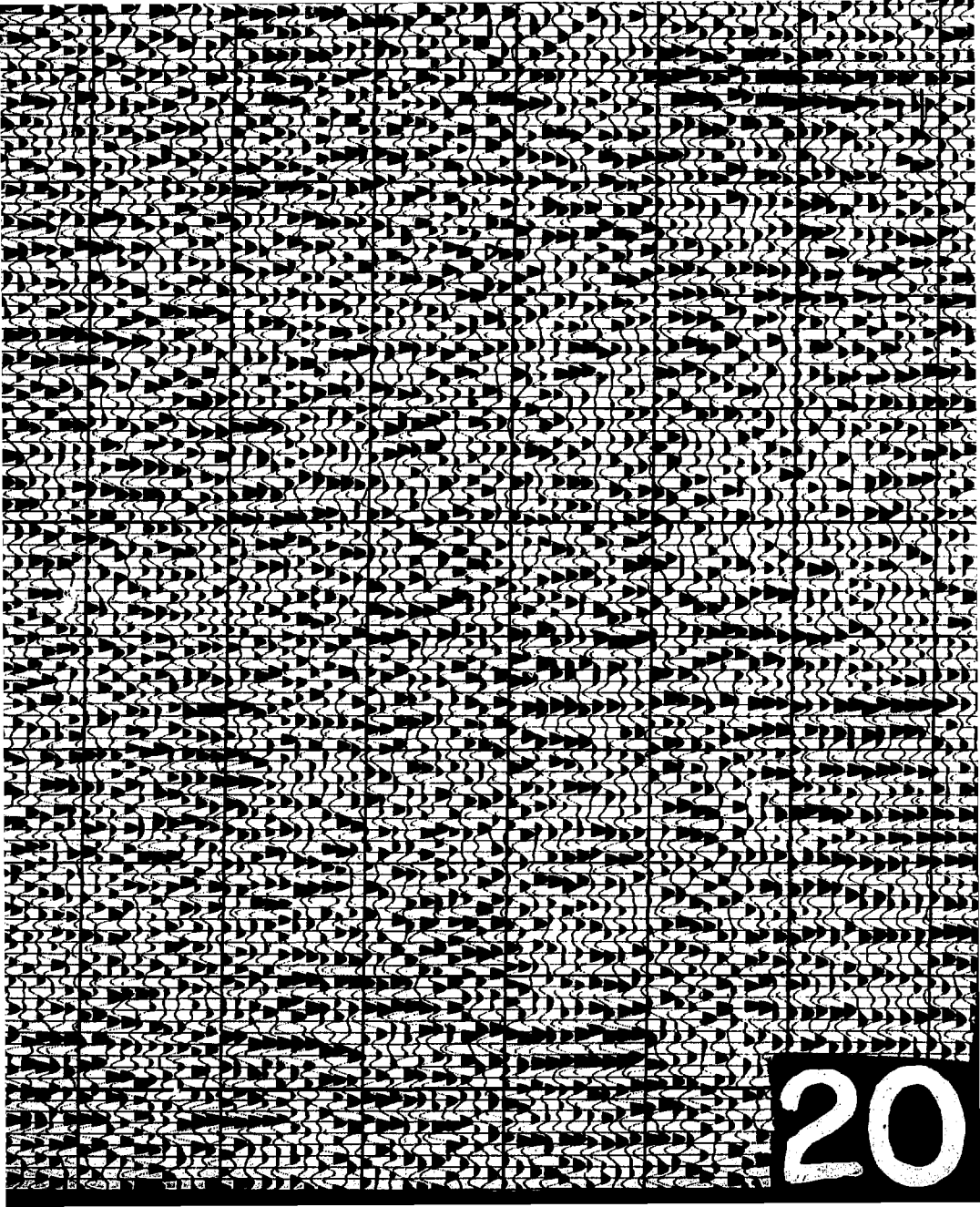






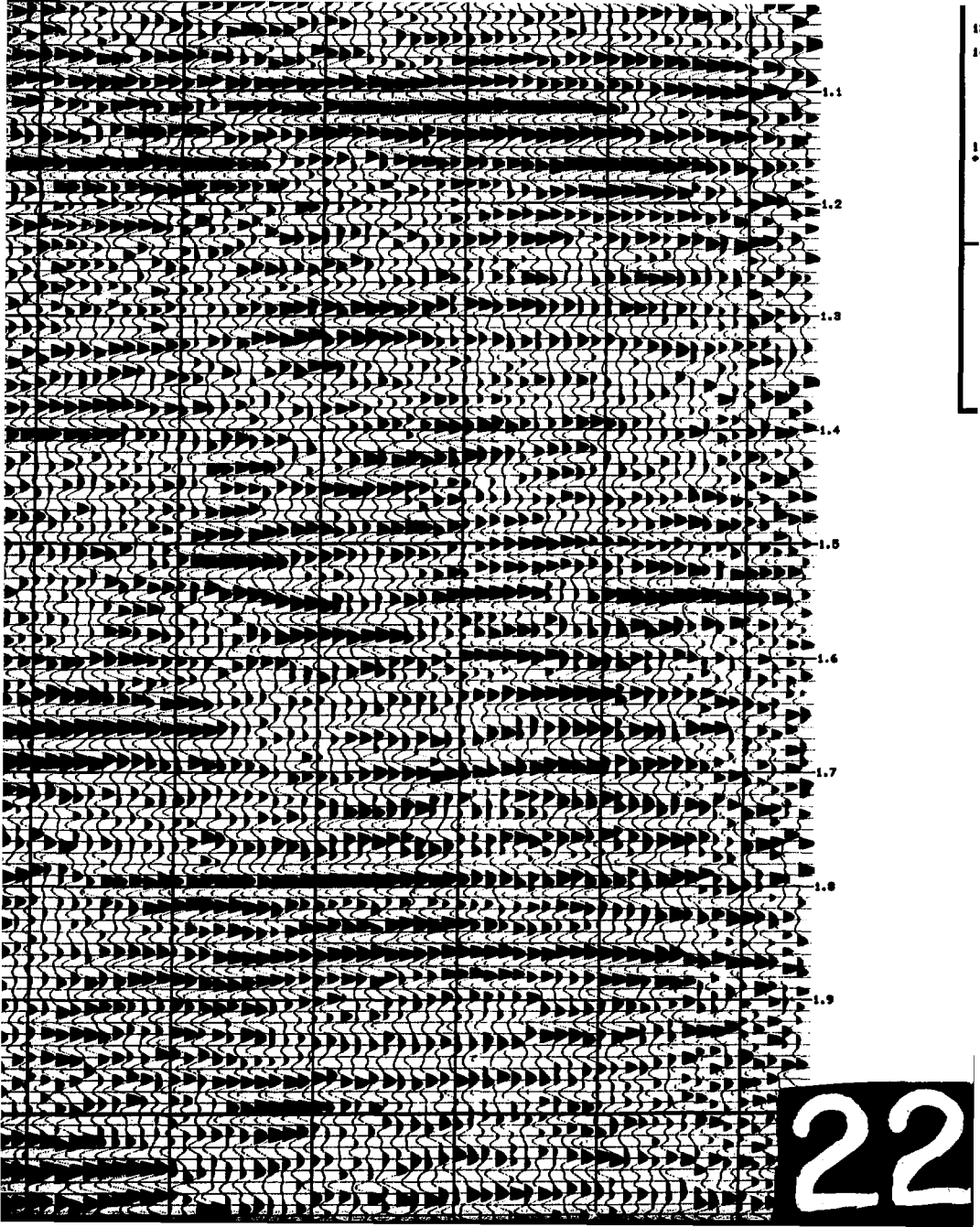




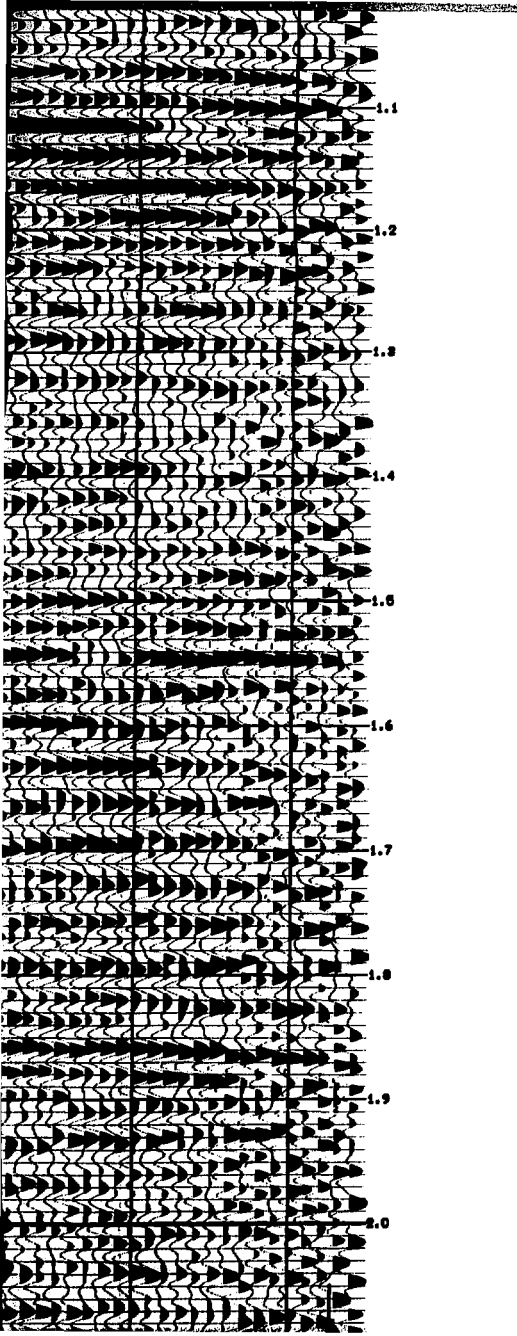


20





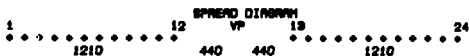
22



UFD 8.10 SEC. 20°40' VE

13) DIGITAL ASC

14) DISPLAY  
8 TR/IN  
10 IN/SEC.



\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GRIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION L/R  
PERCENT BAR 0  
POLARITY BLACK+VE

\*\*\*\*\*  
DATA PROCESSED BY  
GORDON E. LYVIC  
\*\*\*\*\*

23



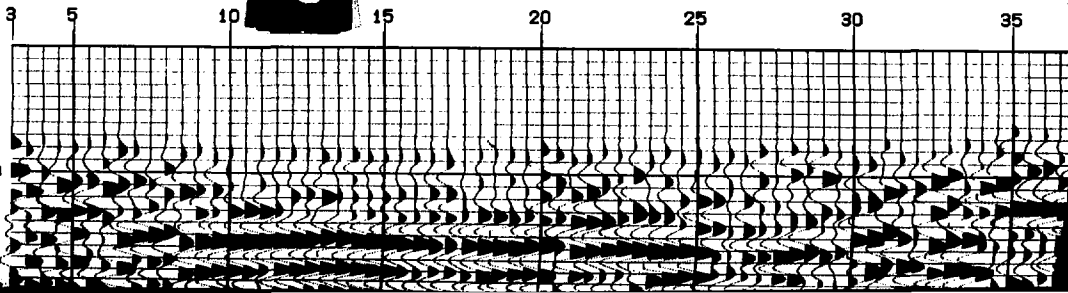
*sec 5*



VEL. ANGL.

VEL. ANGL.

SOUTHERN





ELEVATIONS

STATICS

FOLD %

LINE DIRECTION 

VELOCITY FUNCTION  
DIRECTION  
LINE INTERSECTION

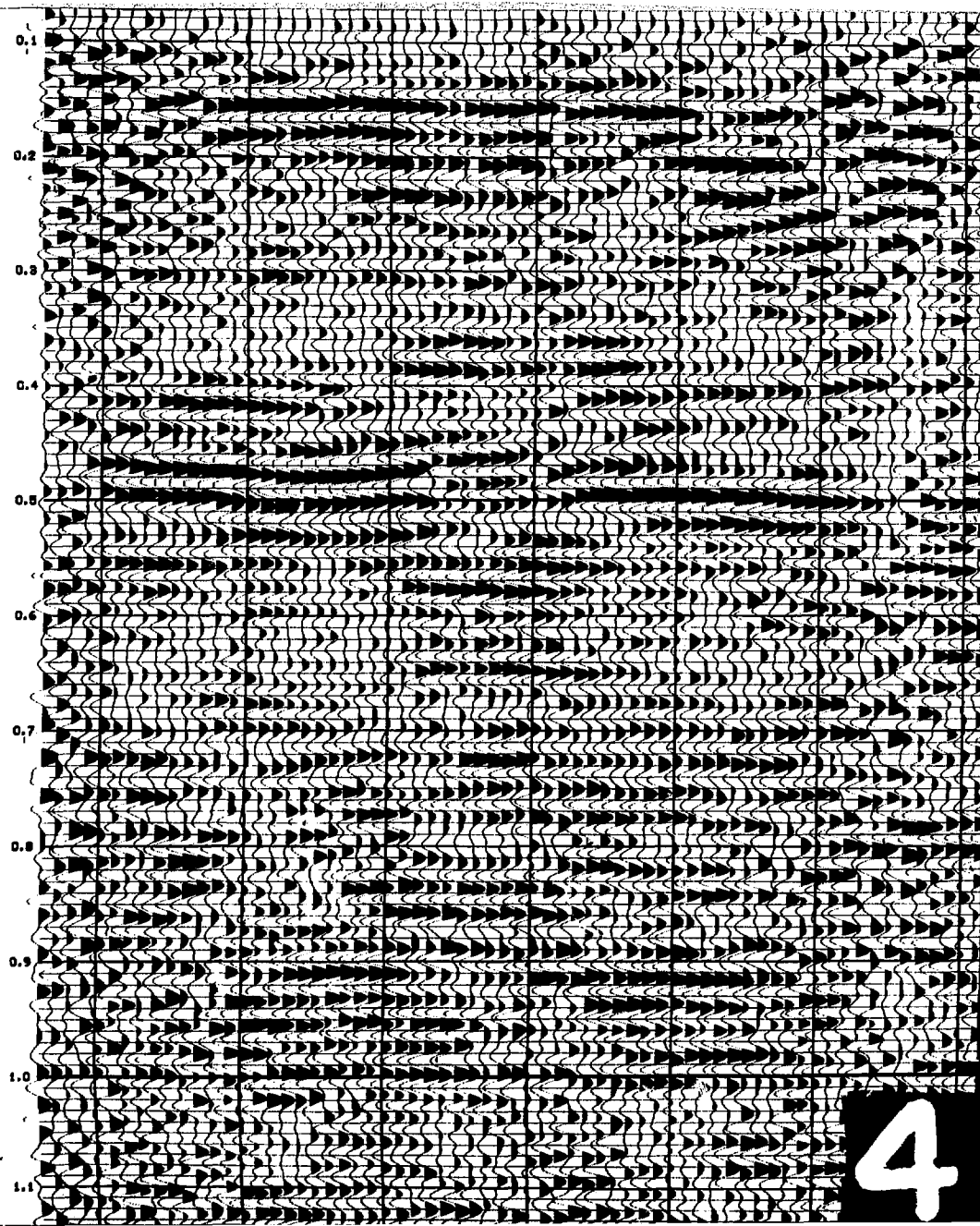
3

STATIONS

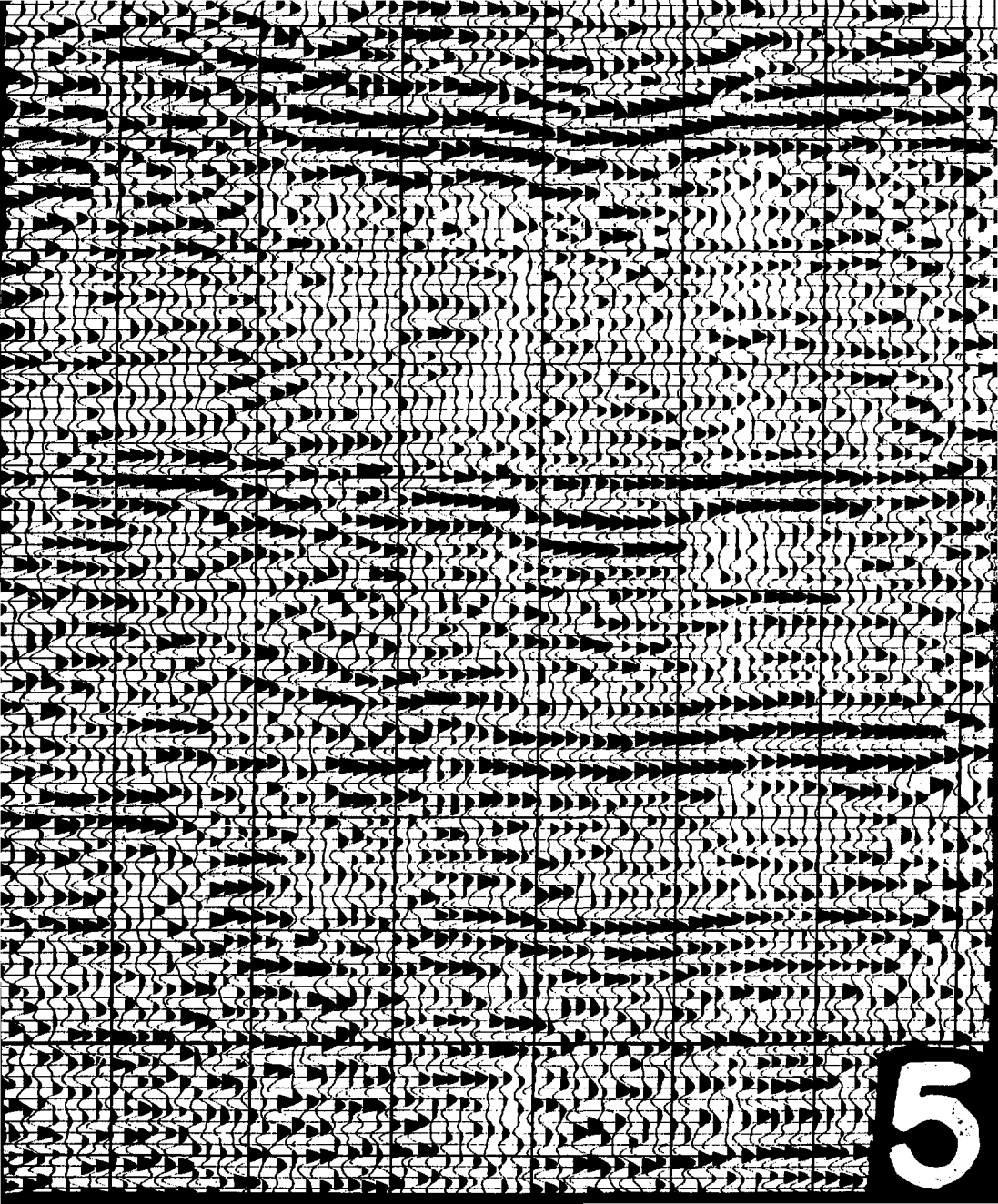


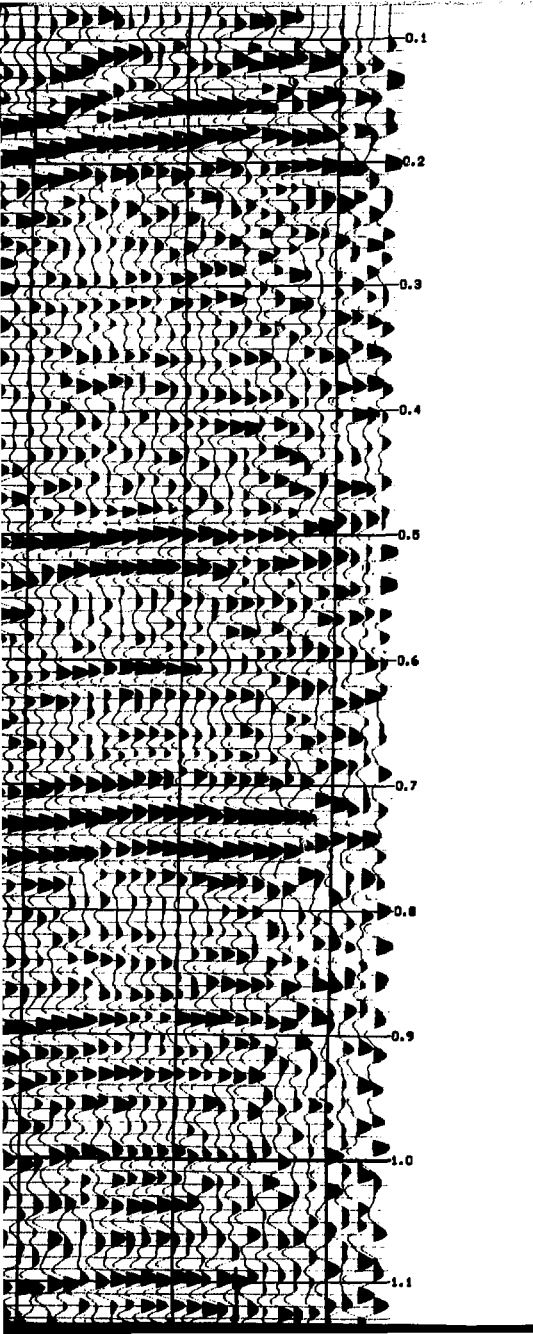
LOS MEDANOS





4





# L0S MEDAN0S

LINE X-9  
STATIONS 3-66.5  
SOUTHEAST NEW MEXICO

## INPUT REEL HEADER INFORMATION

REEL NUMBER  
DATE CREATED 10/13/77  
NUMBER SAMPLE/TRACE 1500  
SAMPLE RATE IN HILLS 2  
PROCESSOR  
LINE NUMBER X-9  
WIG NUMBER  
SECTION NUMBER  
PROCESSING STEP

## FIELD INFORMATION

RECORDED BY: DRESSER OLYMPIC	PARTY: NO. 62
DATE: SEPTEMBER 24, 1977	FILTER: 19/36-124 HZ
INSTRUMENTS: CFS I - DFB IV	SAMPLE RATE: 2MS
NOTCH FILTER: IN	SOURCE: VIBROSEIS
RECORD LEN: 16 SEC.	SHEEP LEN: 12 SEC.
SHEEP FREQ: 25-100 HZ	NO/GROUPS: 24
STN INV: 110 FT.	VIB. INV: 110 FT.
WEG PER STN: 6	WEG TYPE: GSC-200
WARRAY TYPE: INLINE	TYPE COVER: 1200 PRCNT

## PROCESSING SEQUENCE

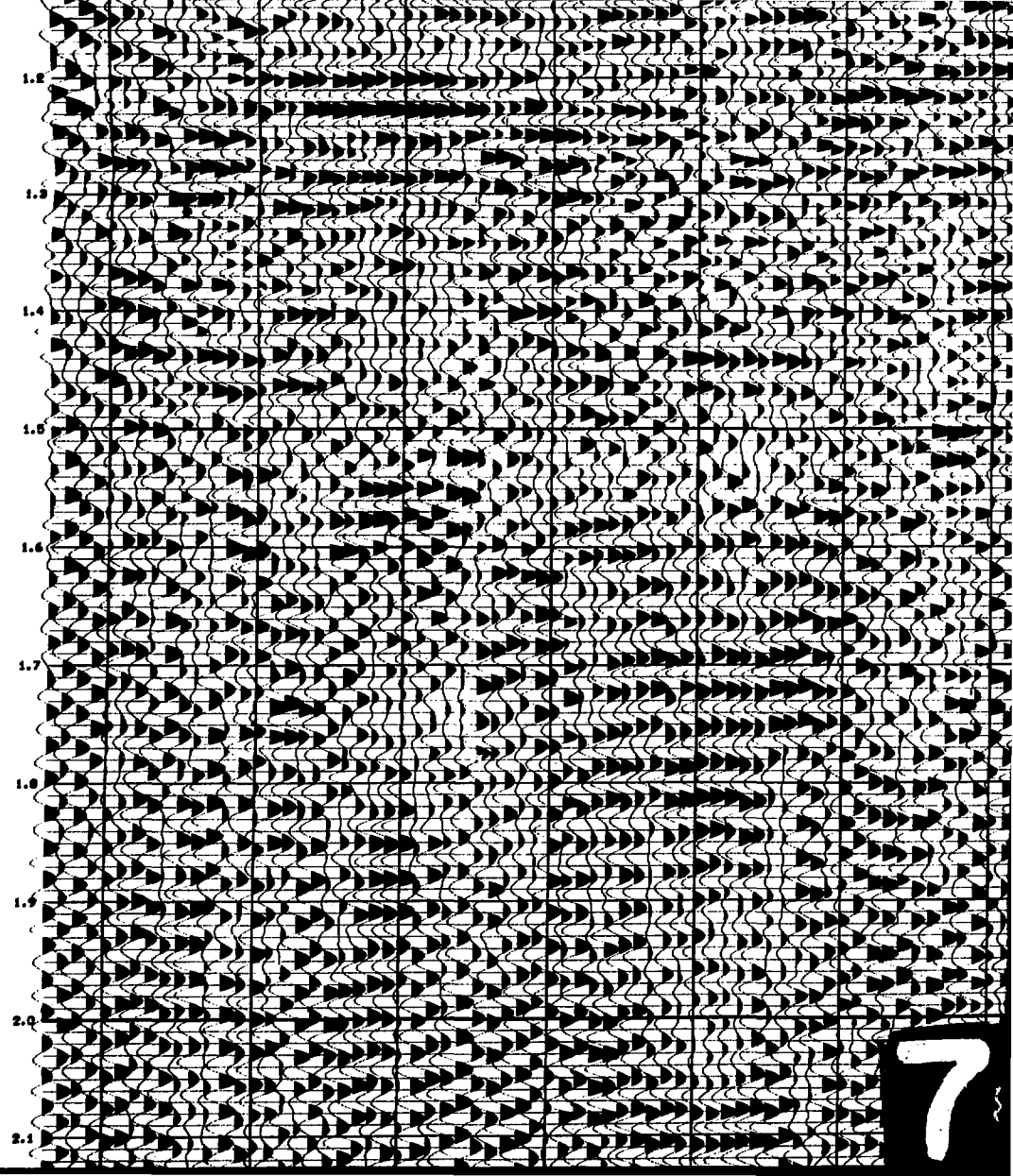
PROCESSED BY DRESSER OLYMPIC

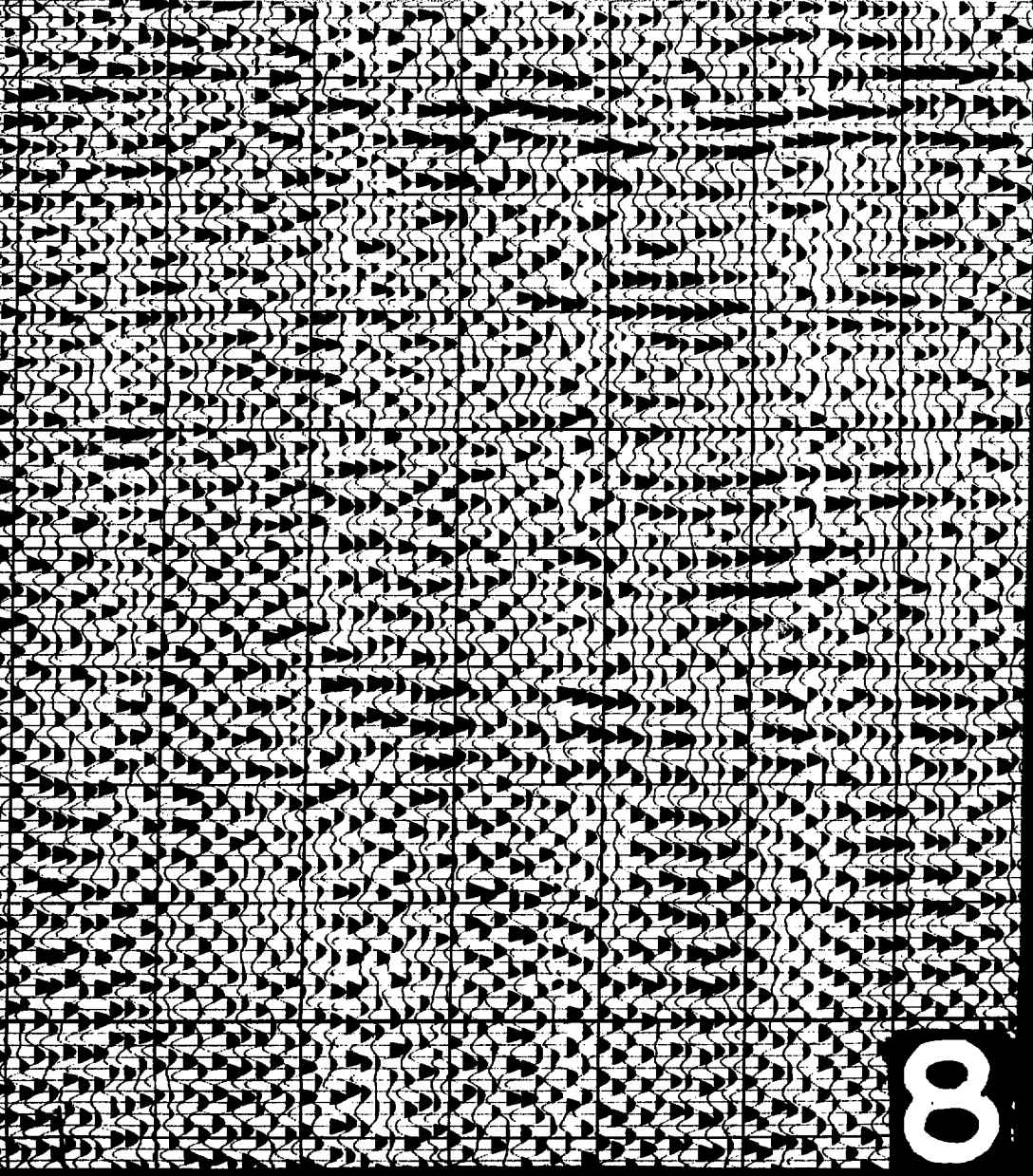
### STATISTICS COMPUTATION

DATUM: 3200 FT.  
VSN: 6000 FT/SEC.

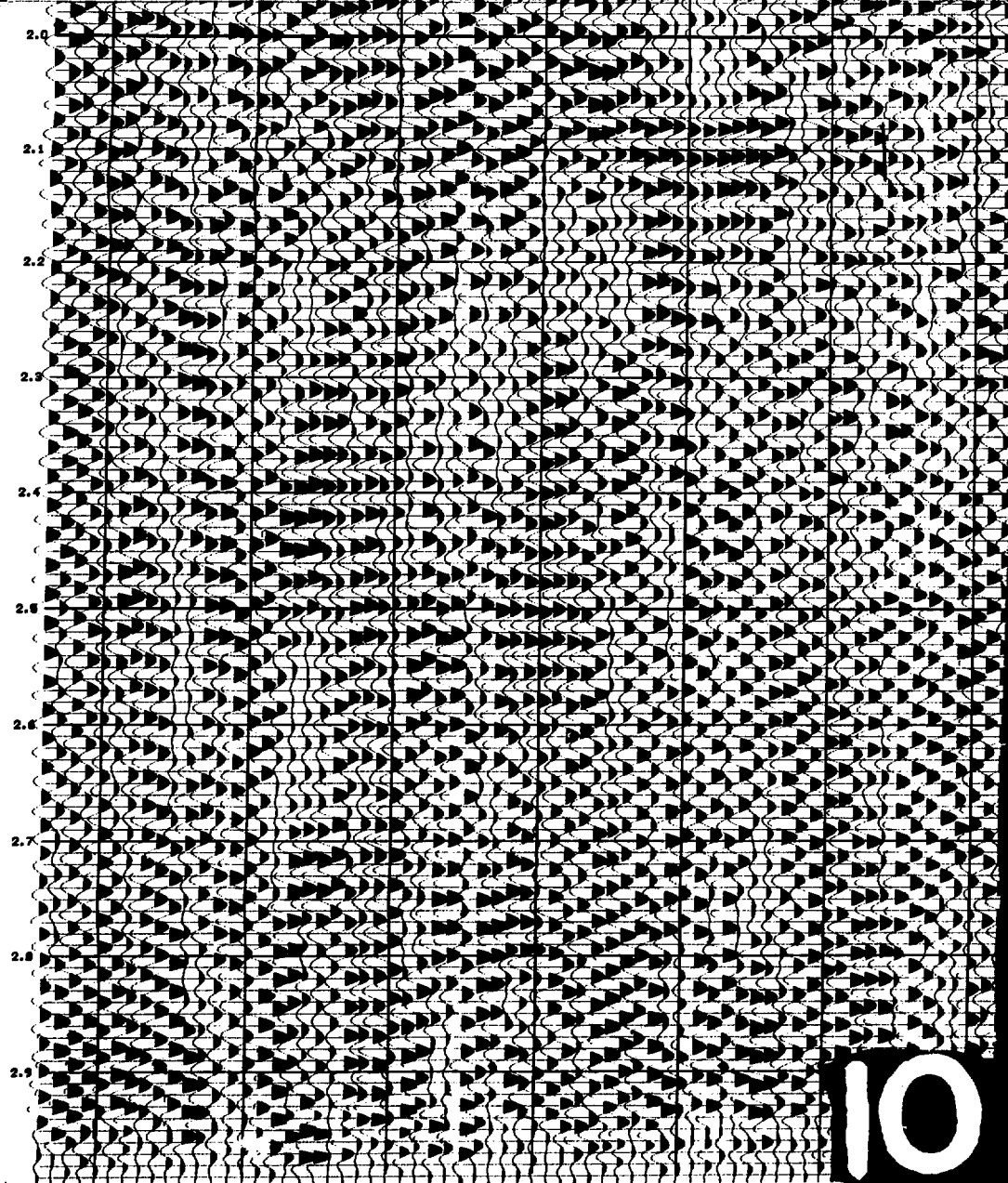
- 1) DEMULTIPLEX
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT GATHERS
- 5) DECONVOLUTION  
OP. WATER LENGTH=140 MILS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-8.0 SEC. 25-80 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMS
- 10: FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-8.0 SEC. 25-80 HZ
- 13) DIGITAL ABC
- 14: DISPLAY  
9 TR/IN  
10 IN/SEC.

# 6



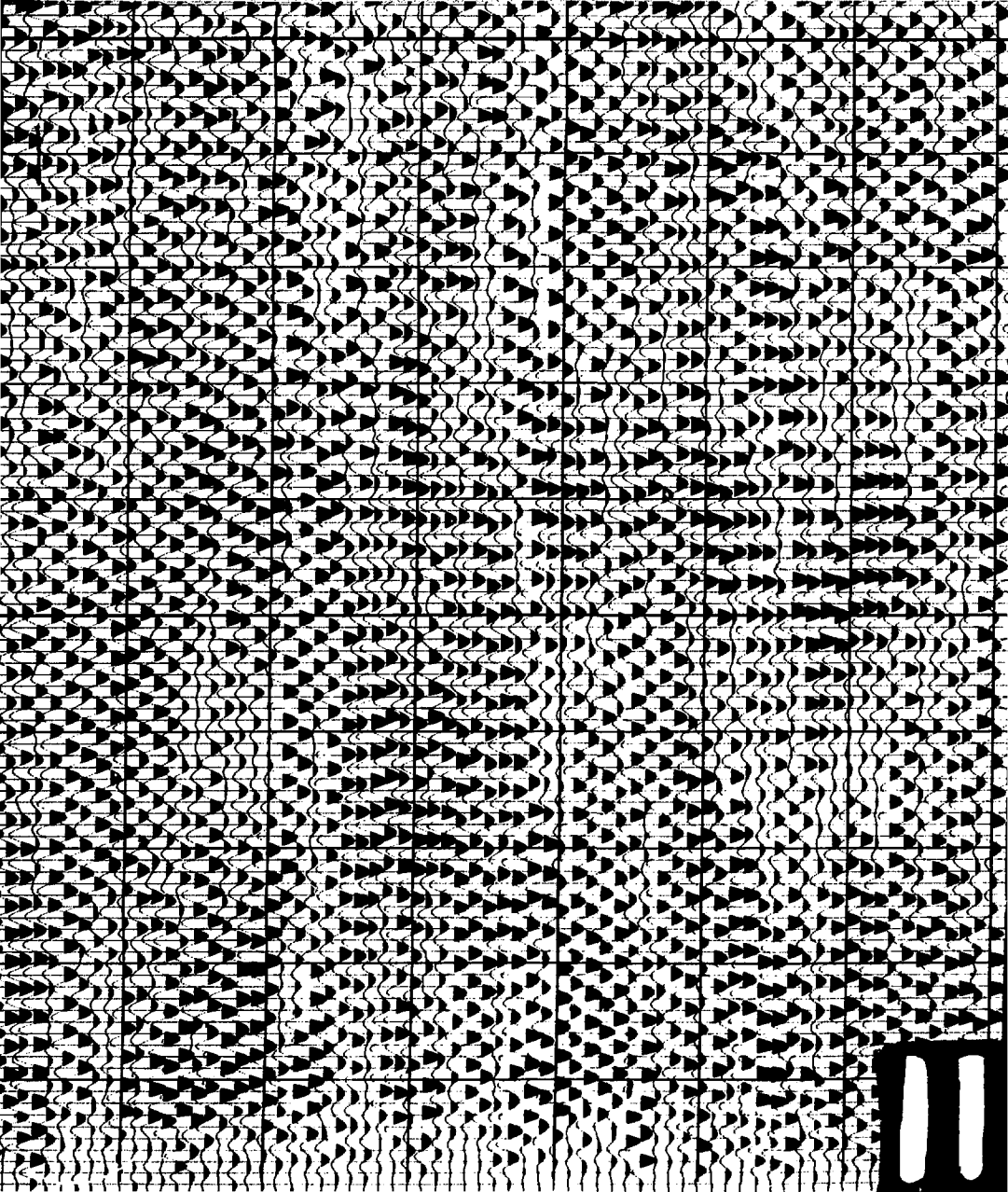


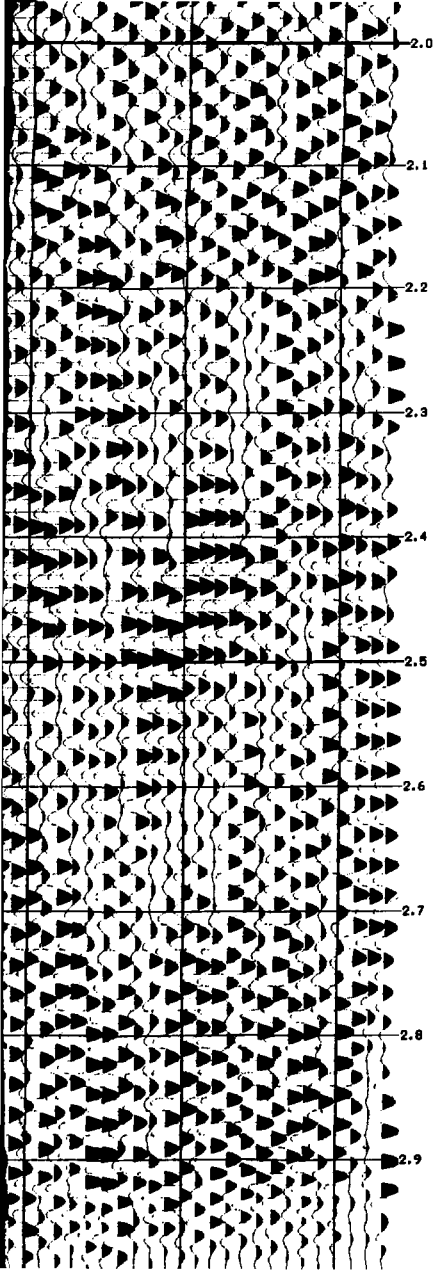
8



2.0  
2.1  
2.2  
2.3  
2.4  
2.5  
2.6  
2.7  
2.8  
2.9

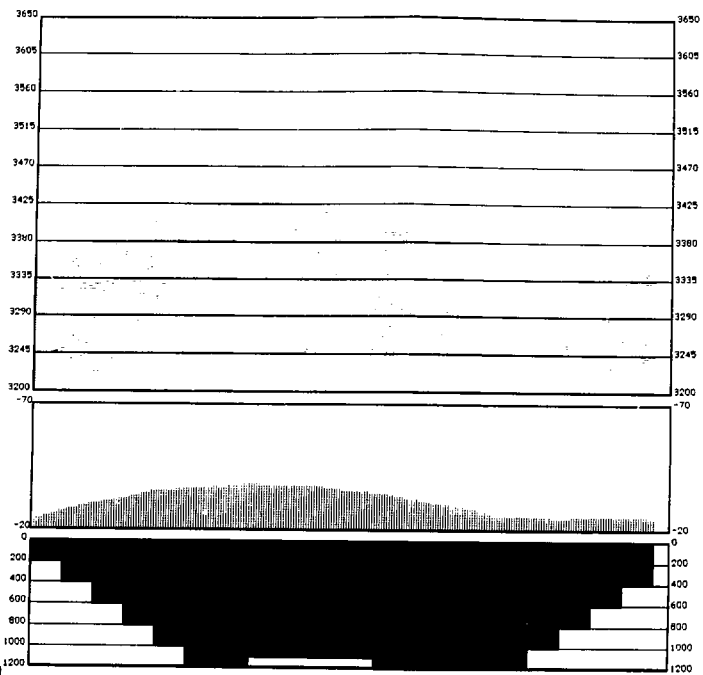
10



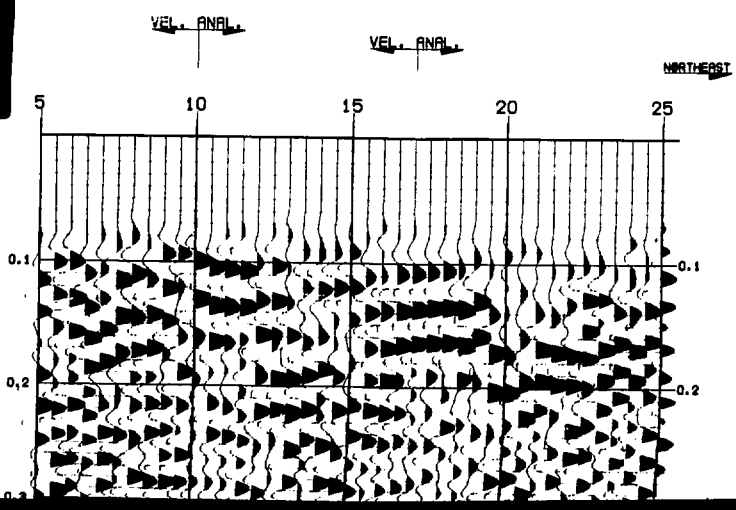


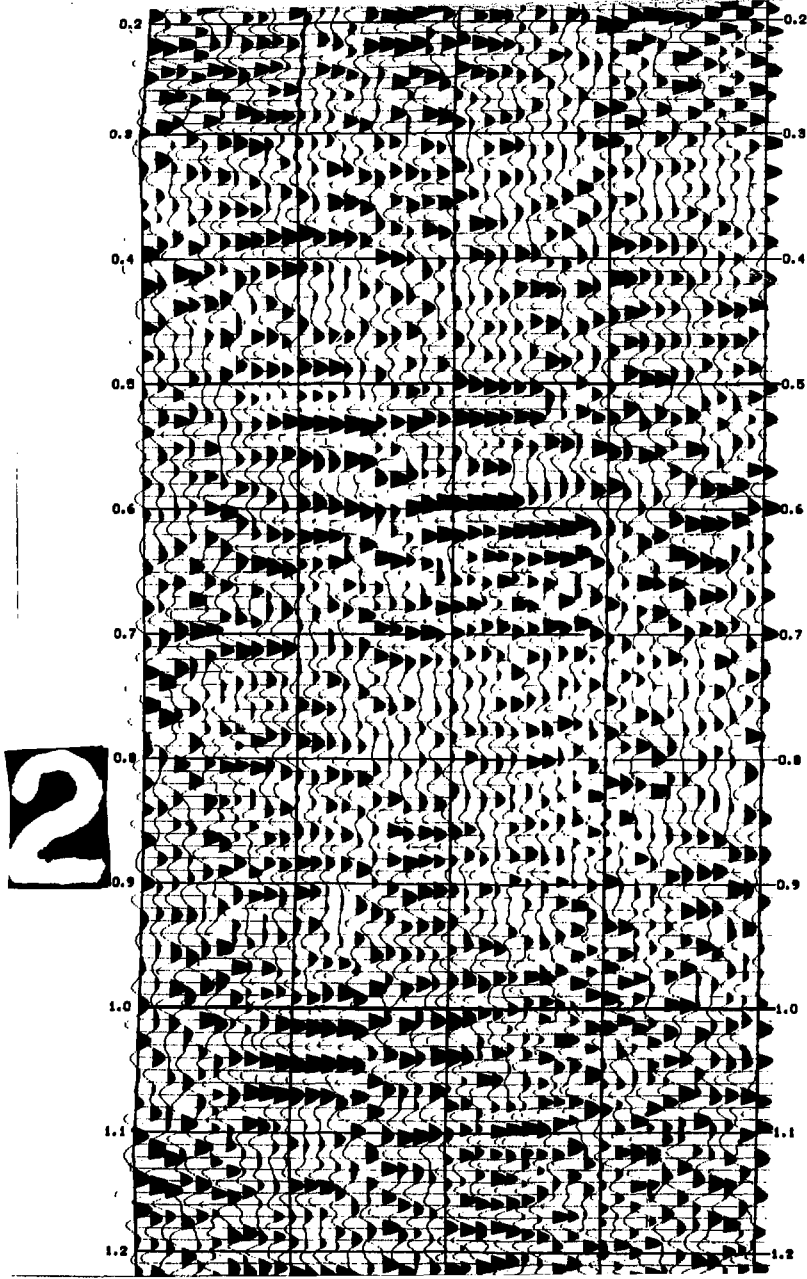
12

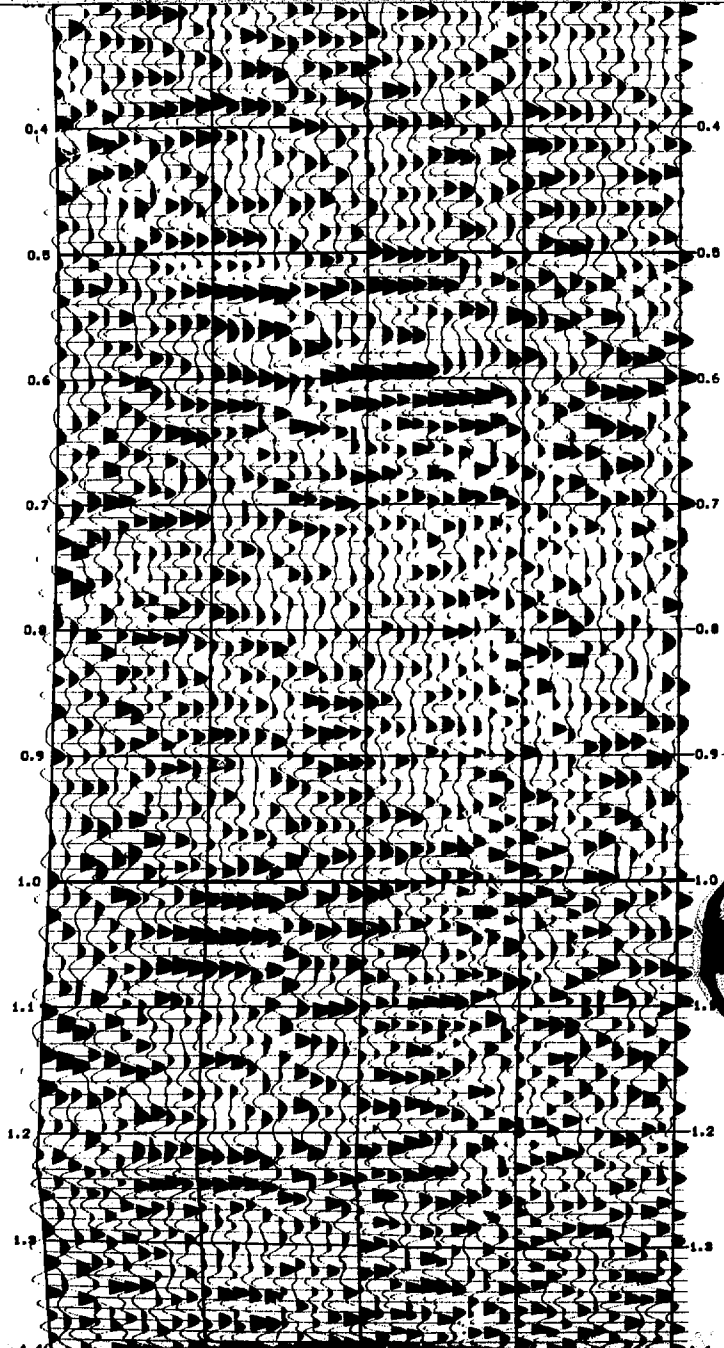




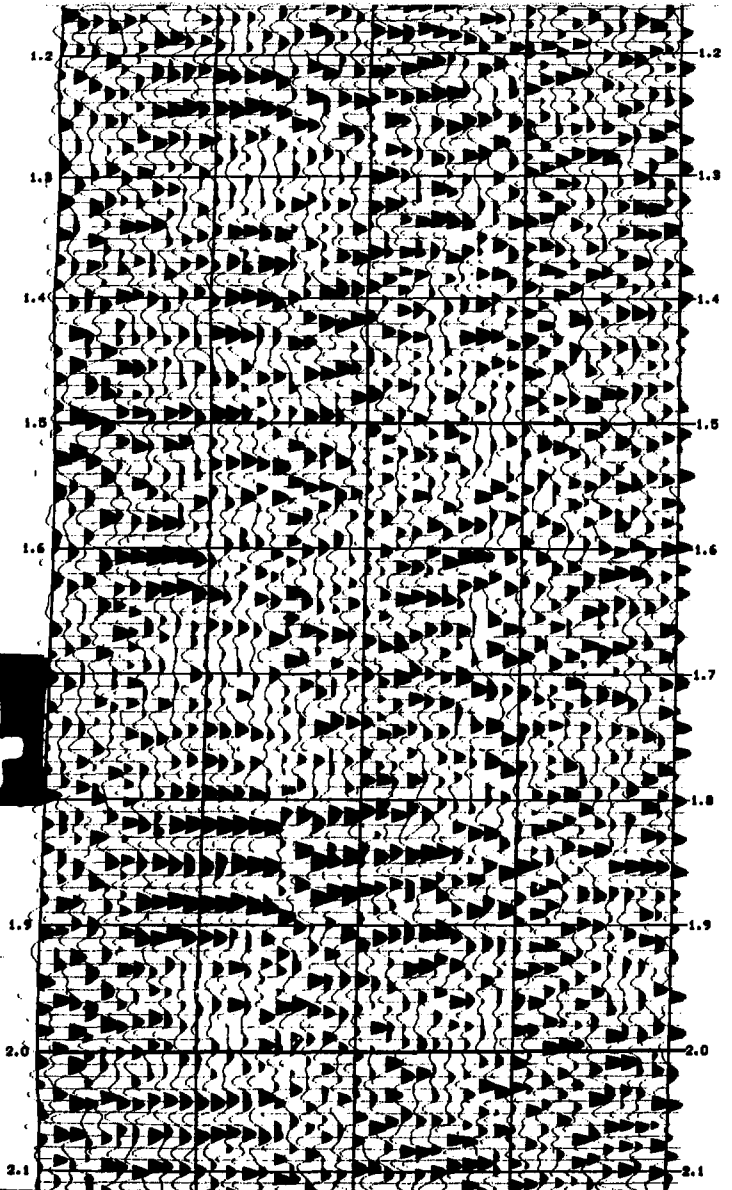
*sec 5*



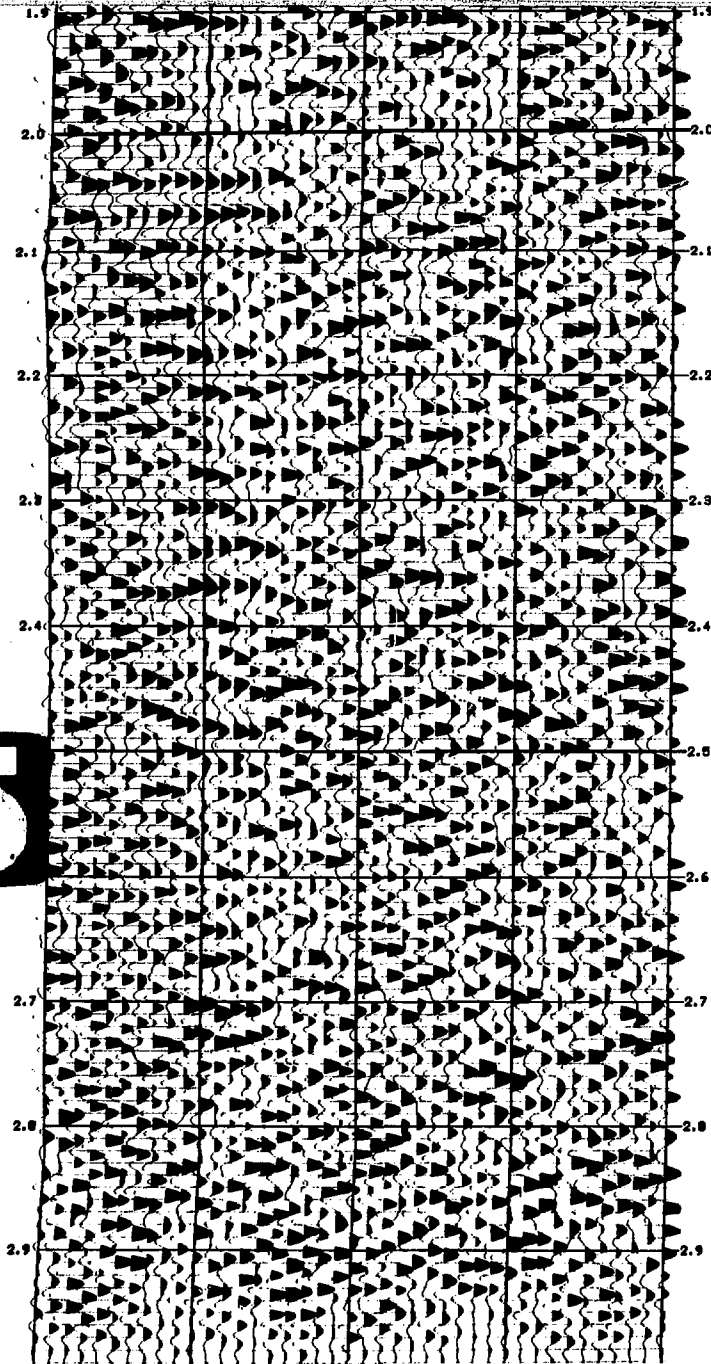




4



5



ELEVATIONS

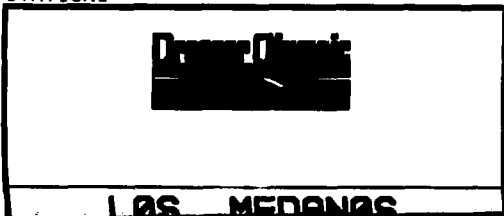
STATICS

FOLD X

LINE DIRECTION 

VELOCITY FUNCTION  
DIRECTION

STATIONS



6

# LOS MEDANOS

LINE X-10  
STATIONS 5-25  
SOUTHEAST NEW MEXICO

## INPUT REEL HEAD# INFORMATION

REEL NUMBER  
DATE CREATED 12/19/77  
NUMBER SAMPLE/TRACK 1000  
SAMPLE RATE IN MILLS 2  
PROCESSOR  
LINE NUMBER 10  
JOB NUMBER  
SECTION NUMBER  
PROCESSING STEP

## FIELD INFORMATION

RECORDED BY: DRESSER OLYMPIC PARTY: W. G.  
DATE: NOVEMBER 21, 1977 FILTER: 10/34-124 HZ  
INSTRUMENTS: CFS I - DFB IV SAMPLE RATE: 2MS  
NOTCH FILTER: IN SOURCE: VIBROSEIS  
RECORD LEN: 16 SEC. SHEEP LEN: 12 SEC.  
SHARP FREQ: 25-100 HZ NB/GRUUPS 24  
STN INV: 110 FT. VIB. INV: 110 FT.  
SEG PER STN: 6 SEG TYPE: 00C-200  
ARRAY TYPE: INLINE TYPE COVER: 1200 PRCNT

## PROCESSING SEQUENCE

PROCESSED BY DRESSER OLYMPIC

### STATICS COMPUTATION

DATUM: 3200 FT.  
VIB: 6000 FT./SEC.

- 1) DEMULTIPLEX
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) CHANNEL DEPTH POINT DITHERS
- 5) DECONVOLUTION  
OPERATOR LENGTH=140 MILS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-8.0 SEC. 25-60 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NNB
- 10) FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-8.0 SEC. 25-60 HZ
- 13) DIGITAL AGC
- 14) DISPLAY  
8 TR/IN  
10 IN/SEC.

7

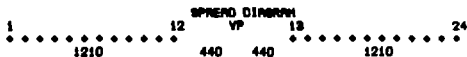
10: FIRST BAND SUPPRESSION (MUTE)

11: STACK 12 PBLD

12: TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-9.0 SEC. 25-80 HZ

13: DIGITAL A/D

14: DISPLAY  
8 TR/IN  
10 IN/SEC.



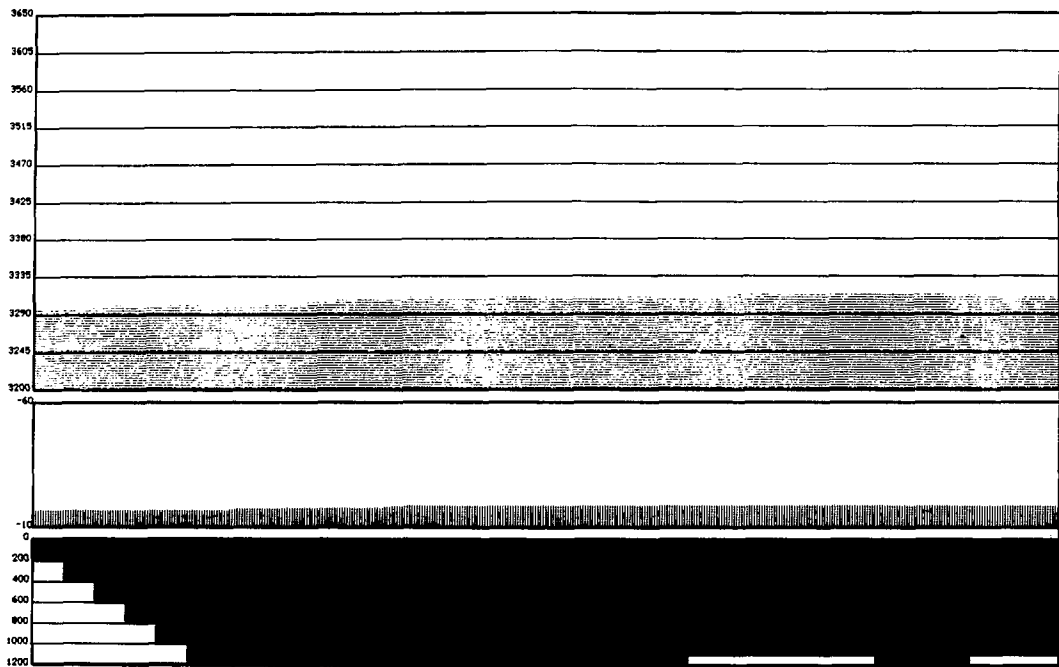
\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION L/R  
PERCENT BAR 0  
POLARITY BLACK+VE

\*\*\*\*\*  
DATA RECORDED BY  
\*\*\*\*\*

8





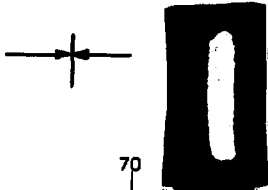
*sec 11*

*sec*

VEL. ANGL.

VEL. ANGL.

NORTH EAST



85

80

75

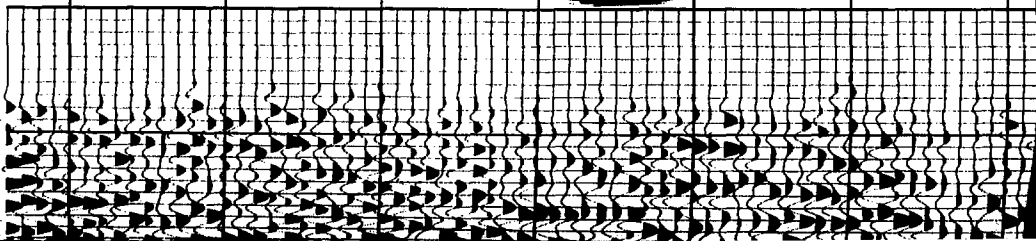
70

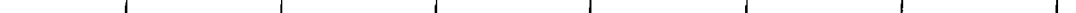
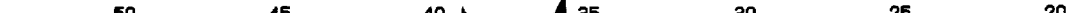
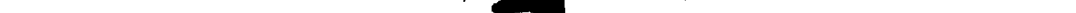
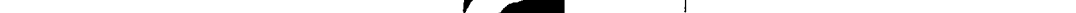
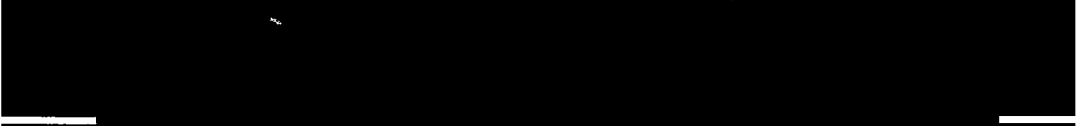
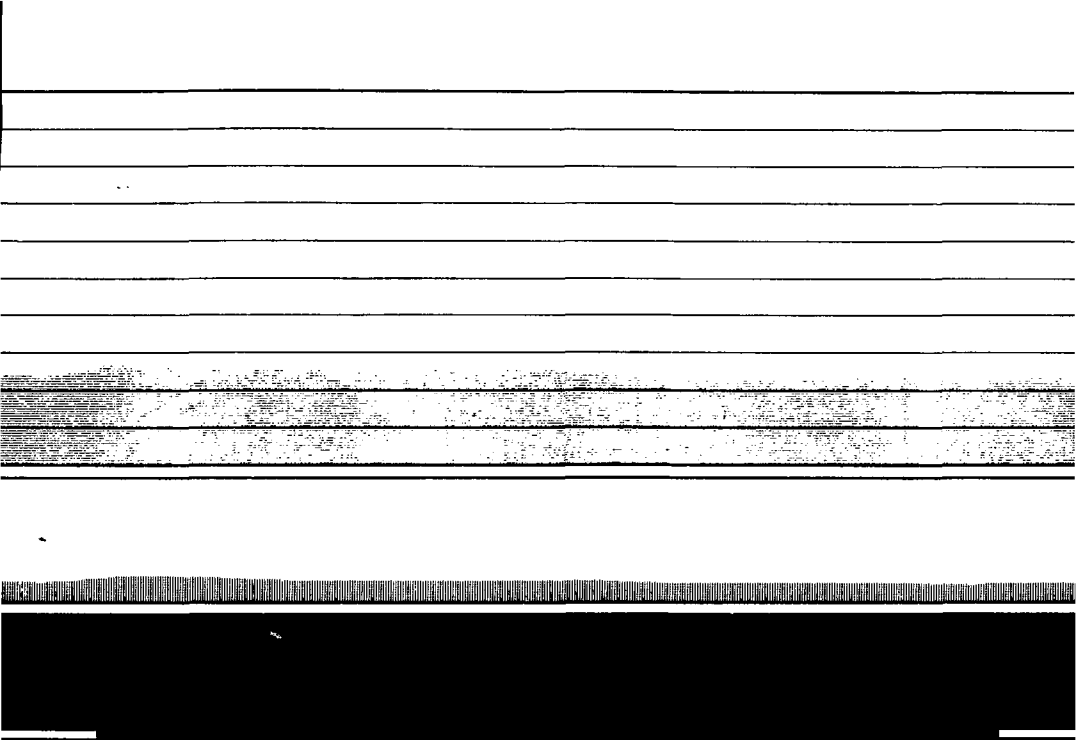
65

60

55

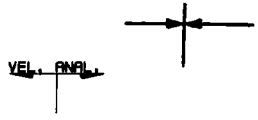
0.1





12

2



50

45

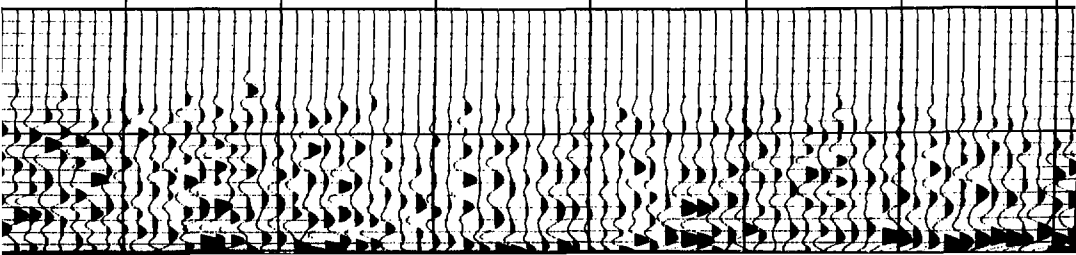
40

35

30

25

20



3650  
3600  
3560  
3515  
3470  
3425  
3380  
3335  
3290  
3245  
3200  
-60

ELEVATIONS

-10  
0  
200  
400  
600  
800  
1000  
1200

STATICS

FOLD X

3

*sec /*

LINE DIRECTION \_\_\_\_\_

VEL. ANAL.

NORTHEAST

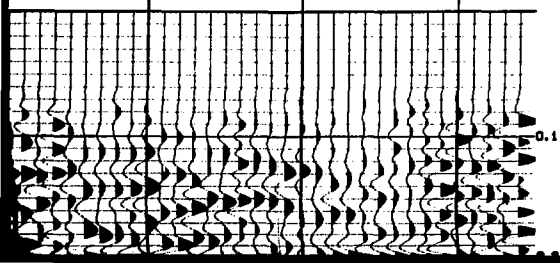
VELOCITY FUNCTION  
DIRECTION

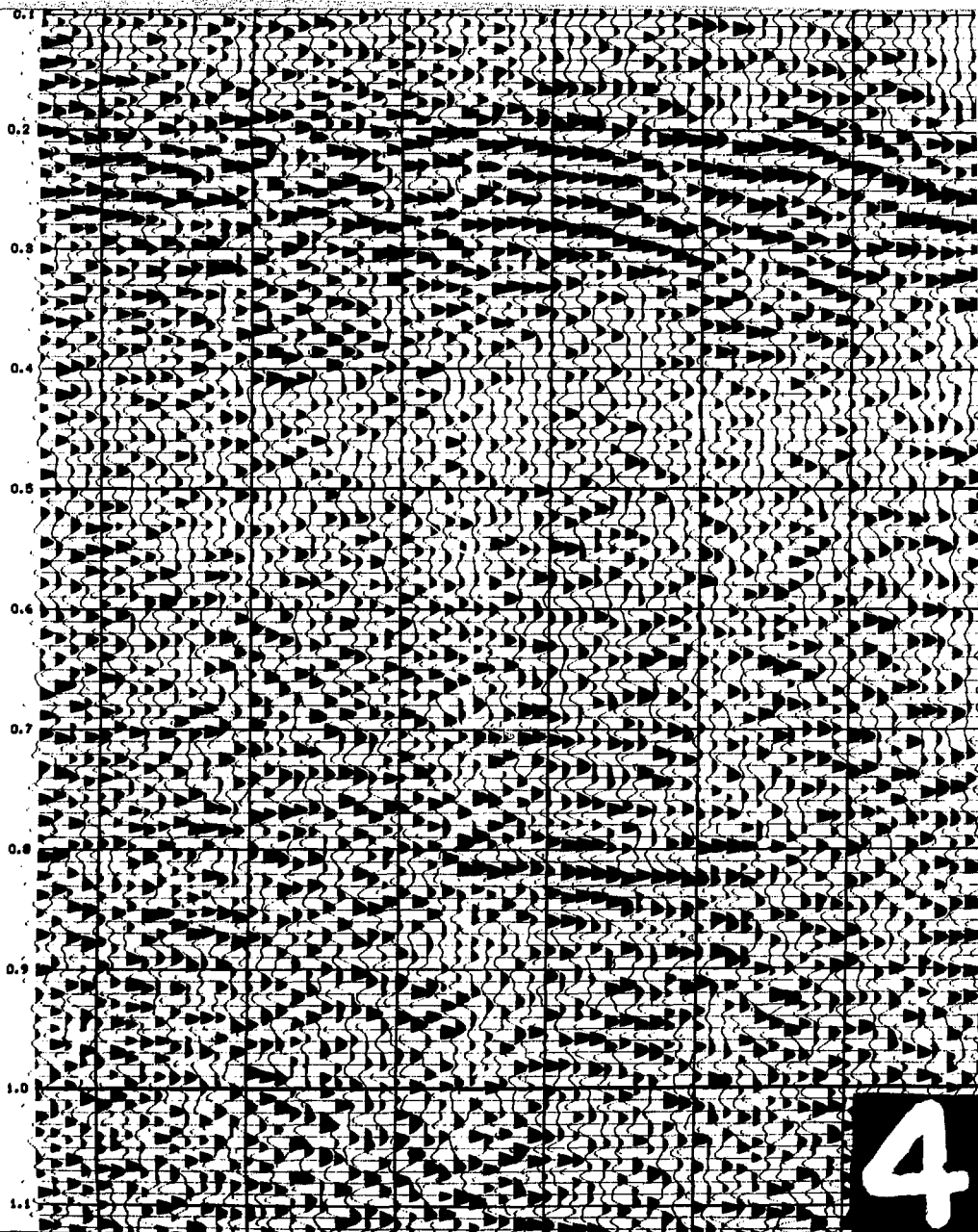
15 10 5

STATIONS

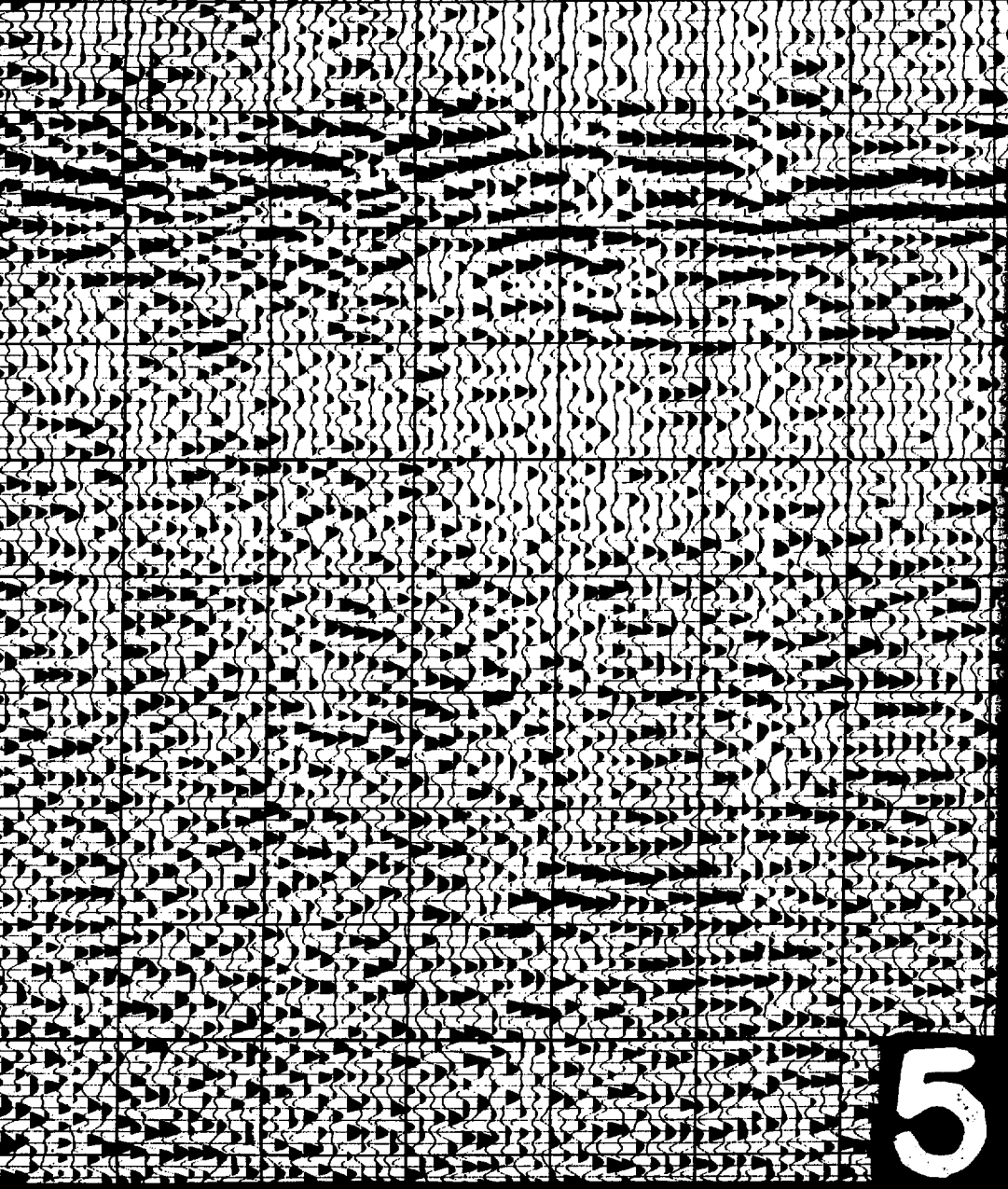


L0S MEDAN0S

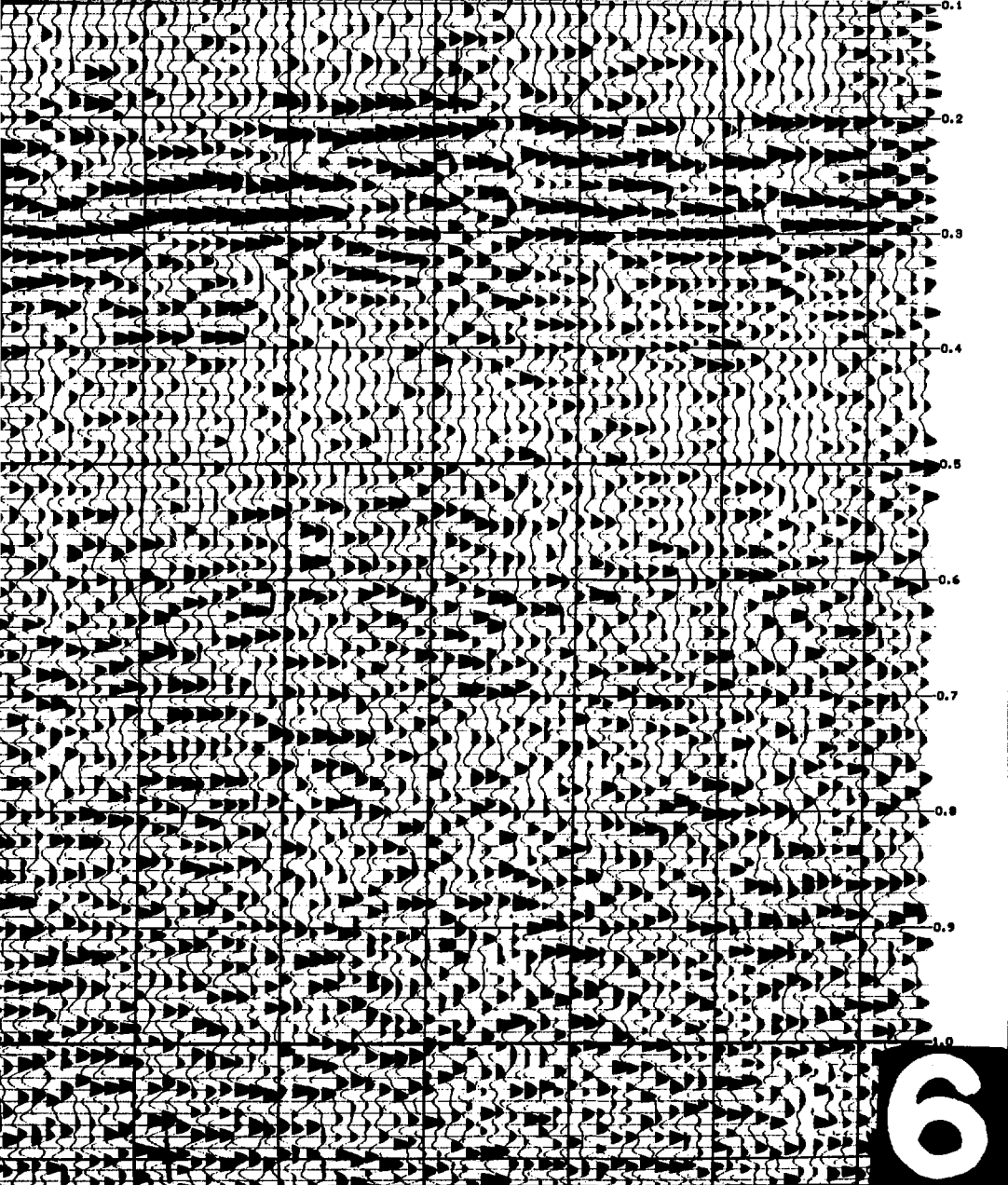


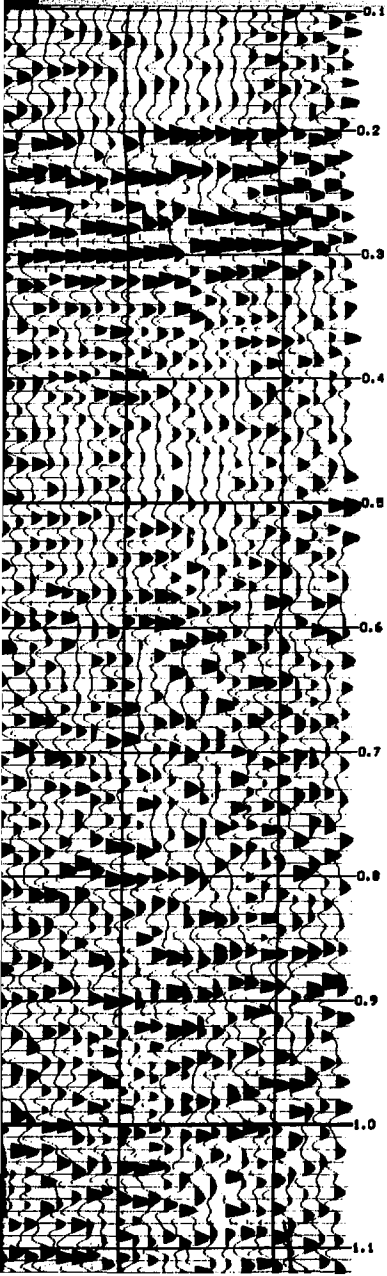


4



5





# L0S MEDAN0S

LINE X-11  
STATIONS 3-87  
SOUTHEAST NEW MEXICO

## INPUT REEL HEADER INFORMATION

REEL NUMBER  
DATE CREATED 12/12/77  
NUMBER SAMPLES/TRACE 1500  
SAMPLE RATE IN HILLS 2  
PROCESSOR  
LINE NUMBER X-11  
JOB NUMBER  
SECTION NUMBER  
PROCESSING STEP

## FIELD INFORMATION

RECORDED BY: DRESSER OLYMPIC	PARTY: NO. 62
DATE: NOVEMBER 20, 1977	FILTER: 18/24-124 HZ
INSTRUMENTS: CFS I - DFB IV	SAMPLE RATE: 2NB
NOTCH FILTER: 1N	SOURCE: VIBROSEIS
RECORD LENGTH: 16 SEC.	SAMPLE LENGTH: 12 SEC.
SWEEP FREQUENCY: 20-100 HZ	NO. GROUPS: 24
STATION INTERVAL: 110 FT.	VIB. INTV: 110 FT.
SECS PER STATION: 6	DEB TYPE: 08C-200
ARRAY TYPE: INLINE	TYPE COVER: 1200 FRONT

## PROCESSING SEQUENCE

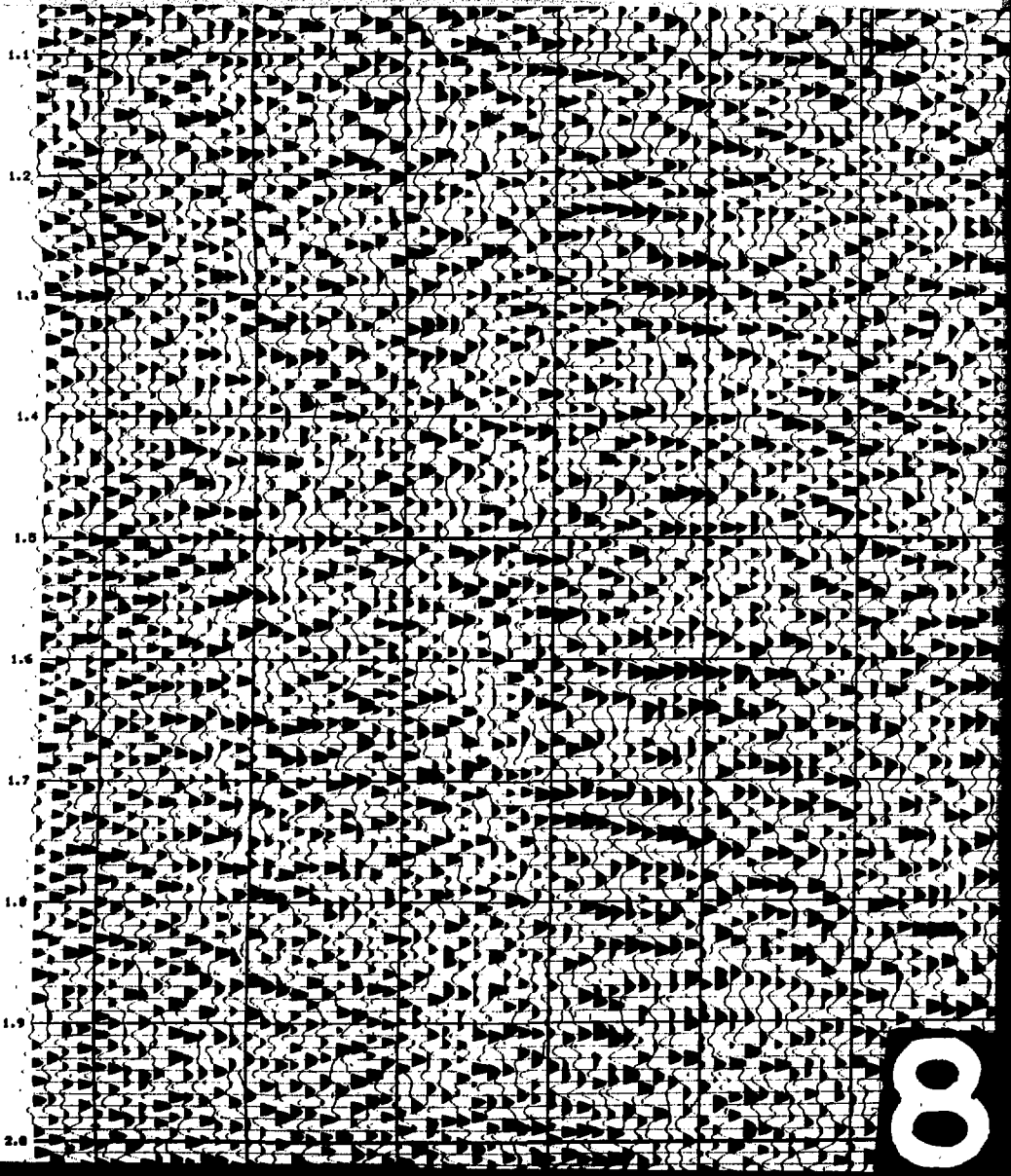
PROCESSED BY DRESSER OLYMPIC

### STATICS COMPUTATION

DATUM: 3200 FT.  
VSN: 6070 FT./SEC.

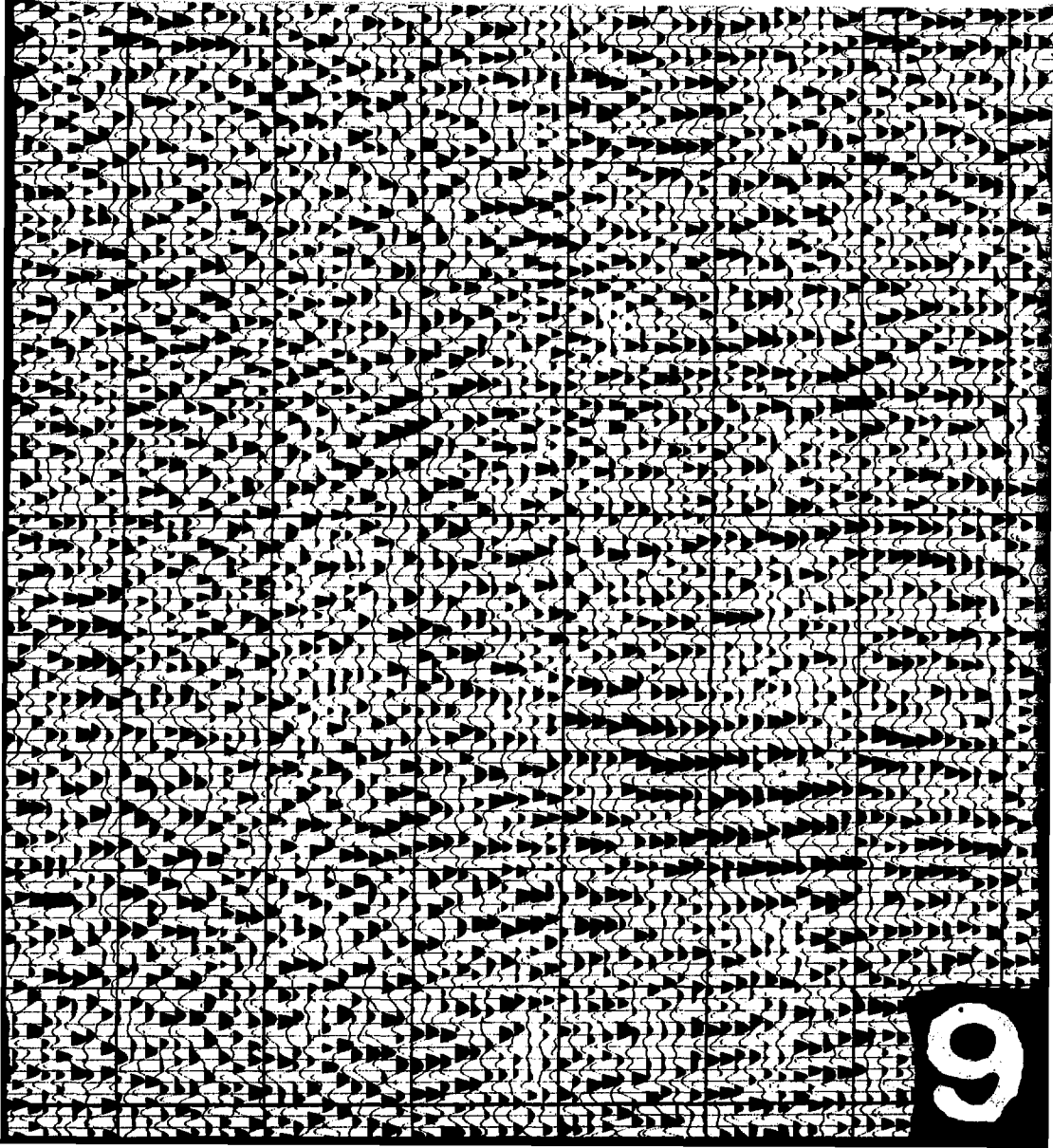
- 1) DEMULTIPLEX
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT GATHERS
- 5) DECONVOLUTION  
OPERATOR LENGTH=140 HILLS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-9.0 SEC. 25-90 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMO
- 10) FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-9.0 SEC. 25-90 HZ
- 13) DIGITAL ABC
- 14) DISPLAY  
8 TR/IN  
10 IN/SEC.

7



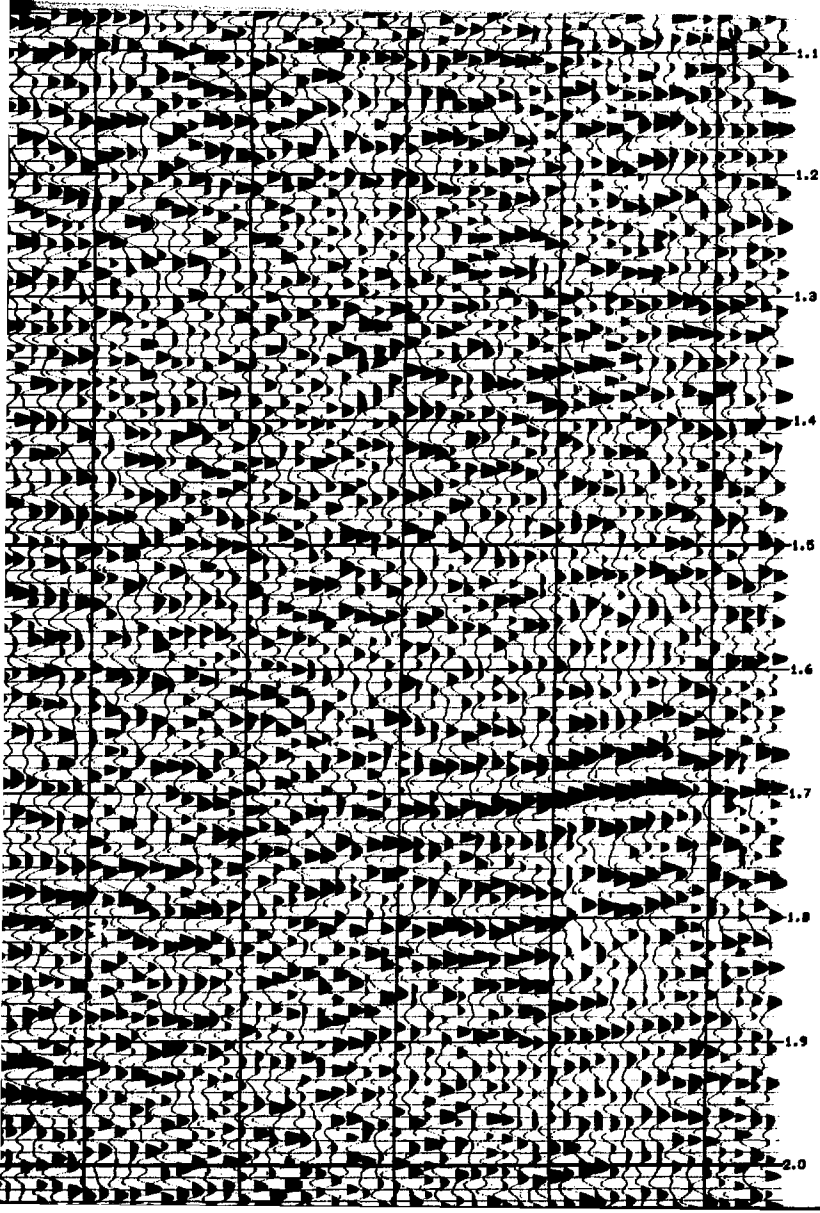
8





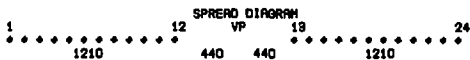
8 TR/IN  
10 IN/SEC.

1  
.....  
1210



10

8 TR/IN  
10 IN/SEC.

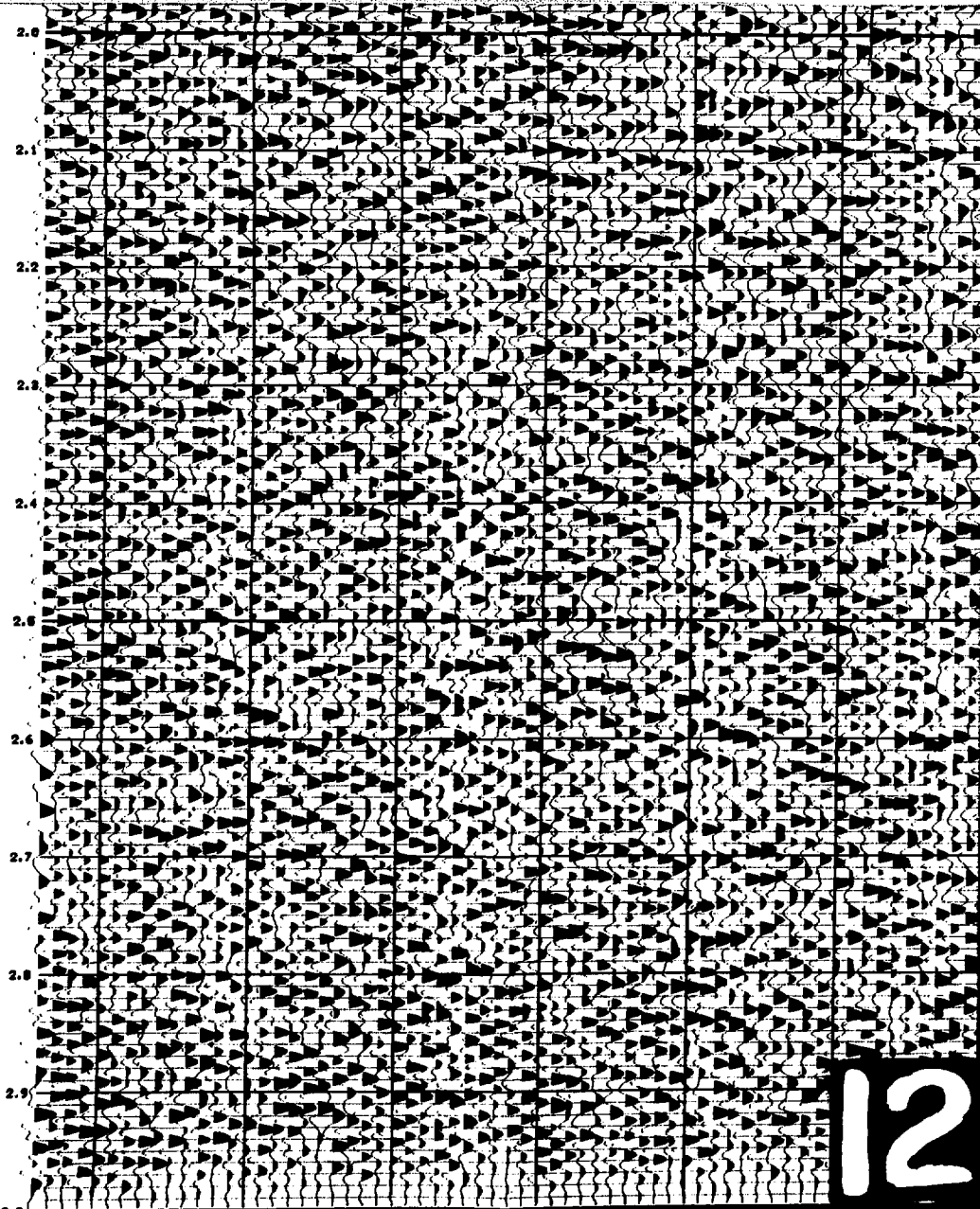


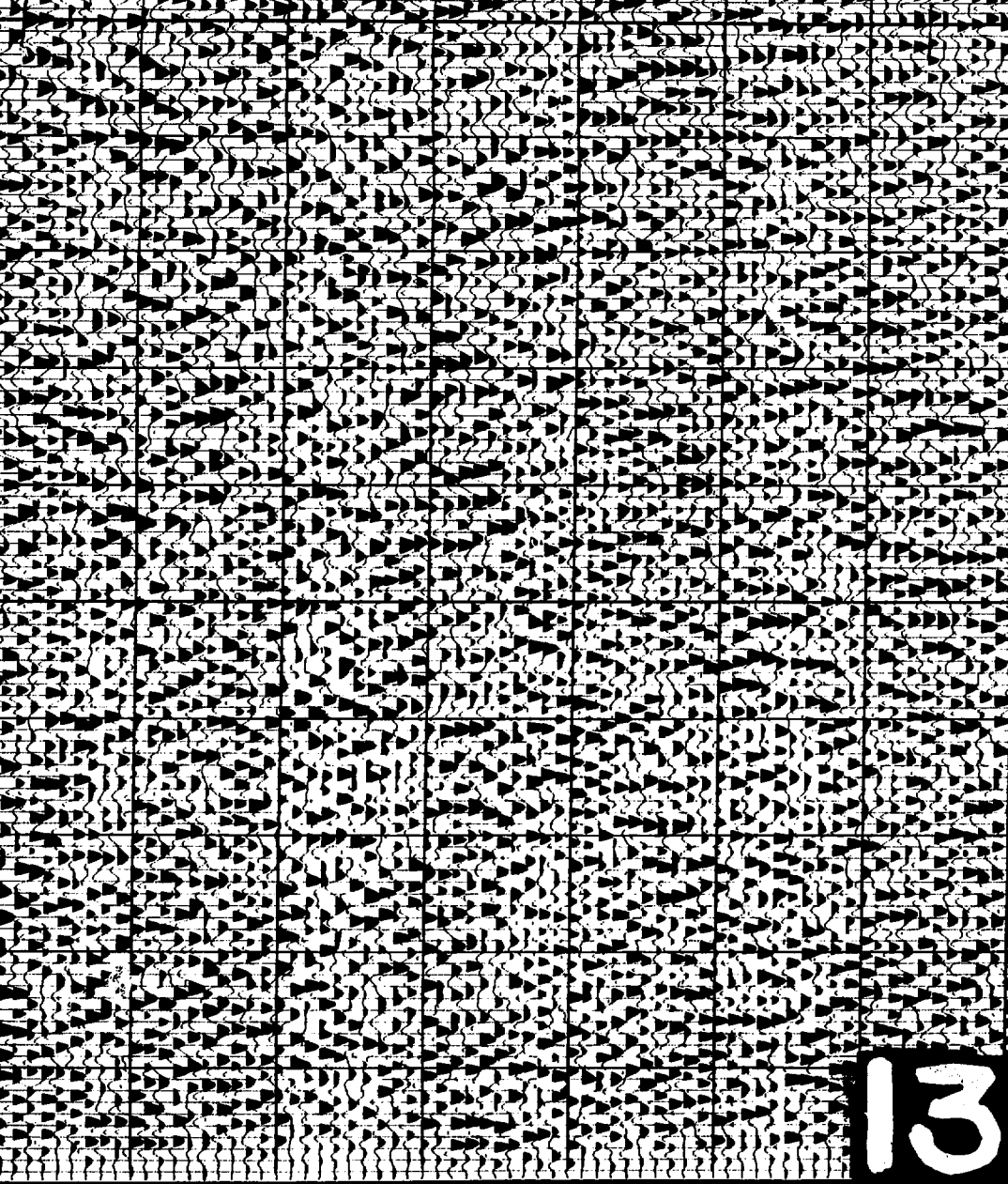
\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

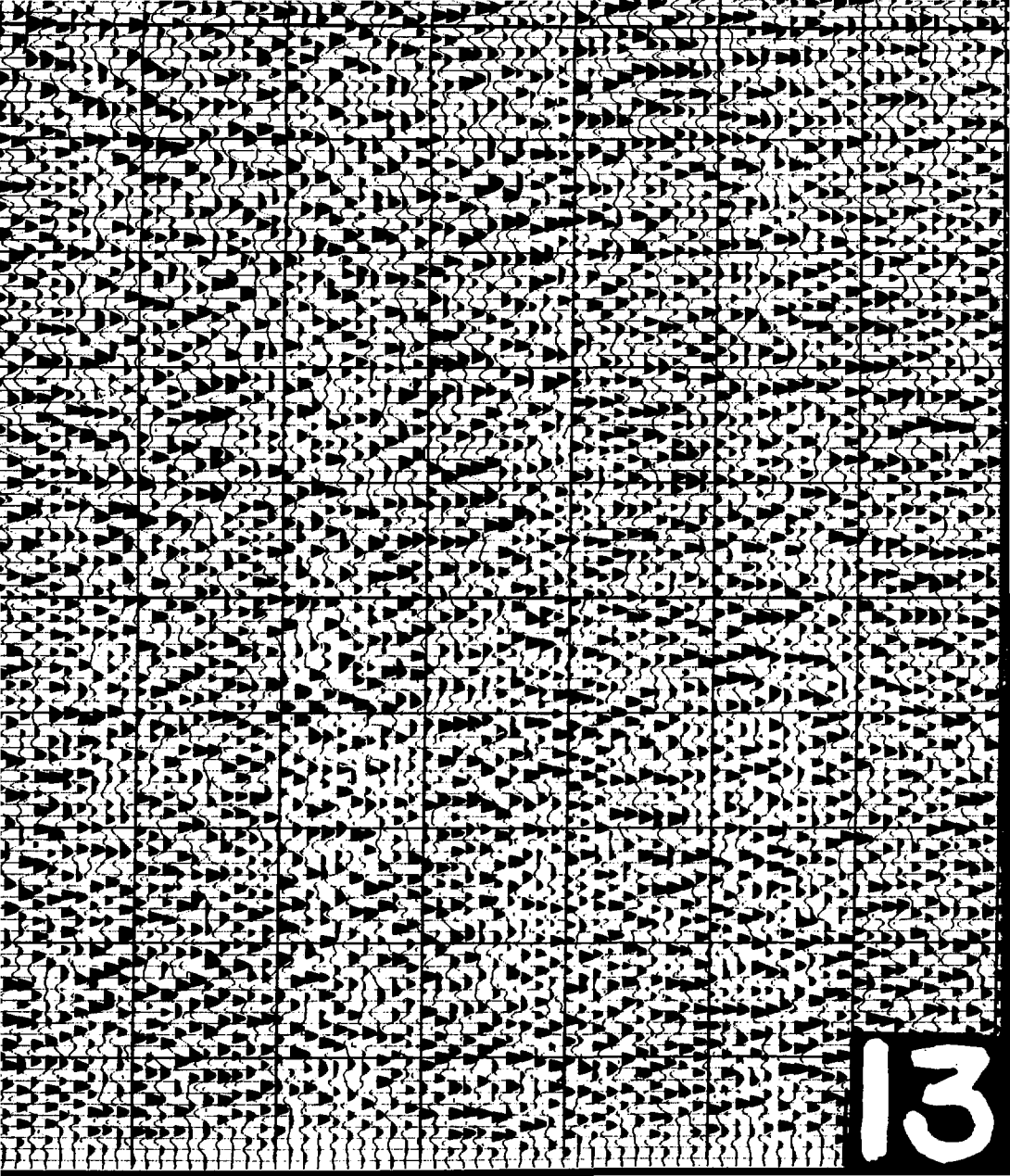
PERCENT GRIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION R/L  
PERCENT BAR 0  
POLARITY BLACK+VE

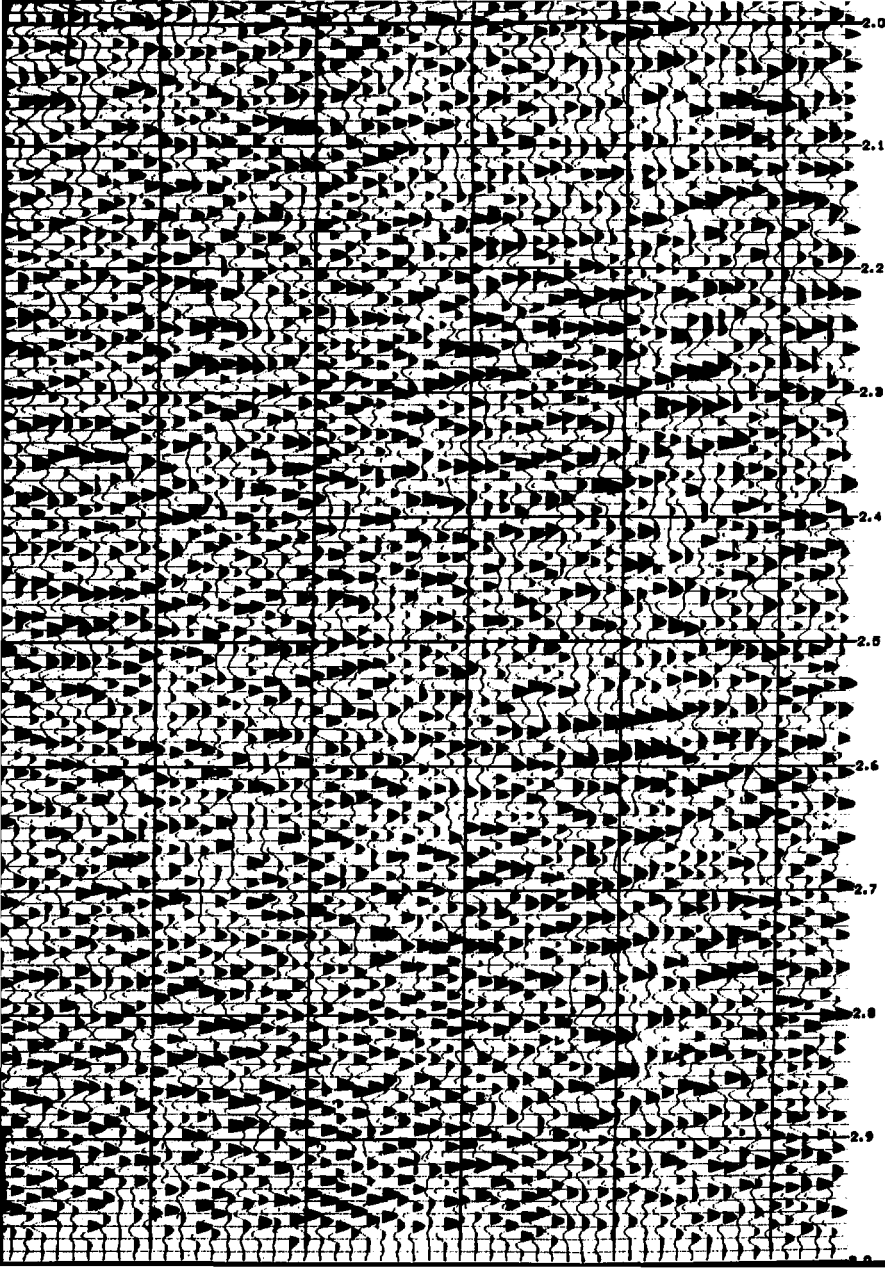
\*\*\*\*\*  
DATA RECEIVED BY  
GENERAL ELECTRIC  
\*\*\*\*\*



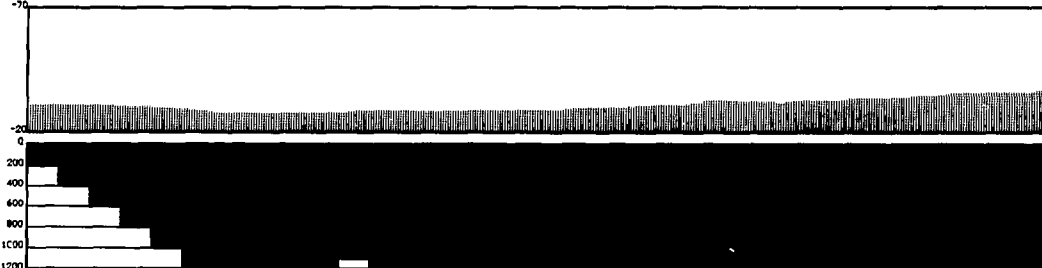
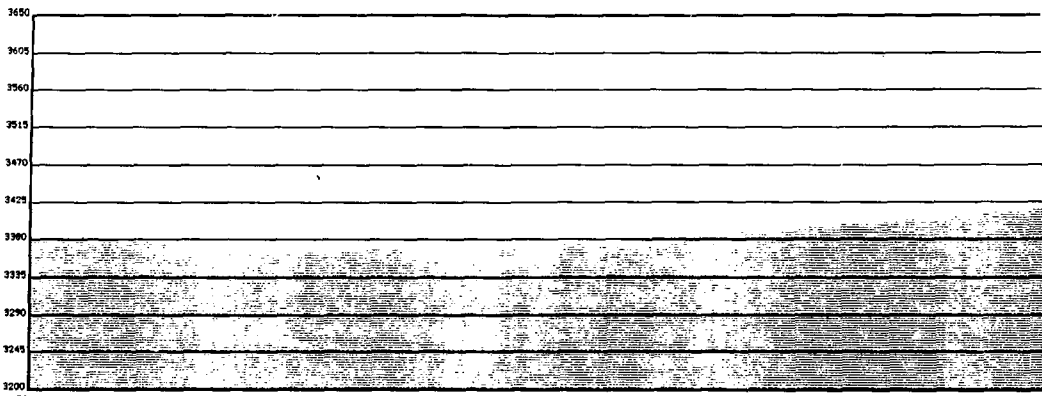








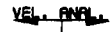
14



sec 34



sec 35



EMBT

50

45

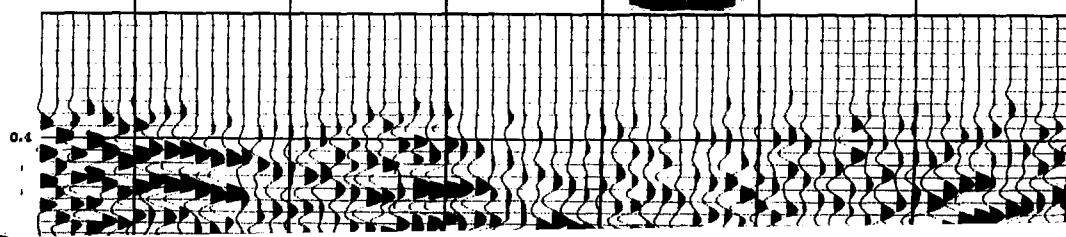
40

35

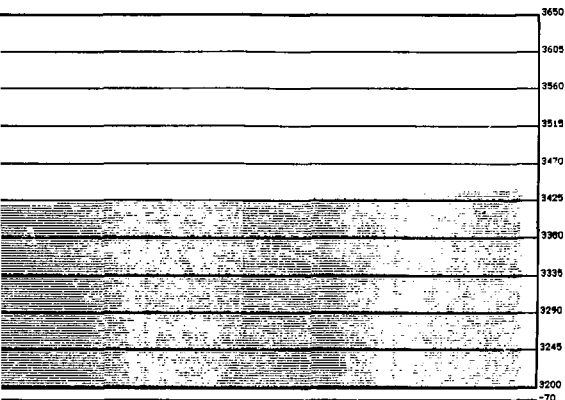
30

25

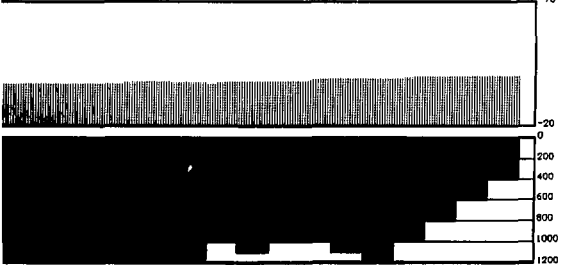
20







ELEVATIONS



STATICS

2

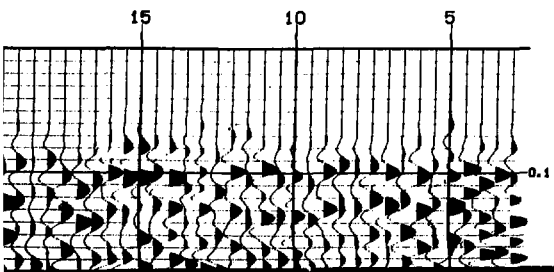
FOLD X

LINE DIRECTION


VEL. ANGL.

EAST

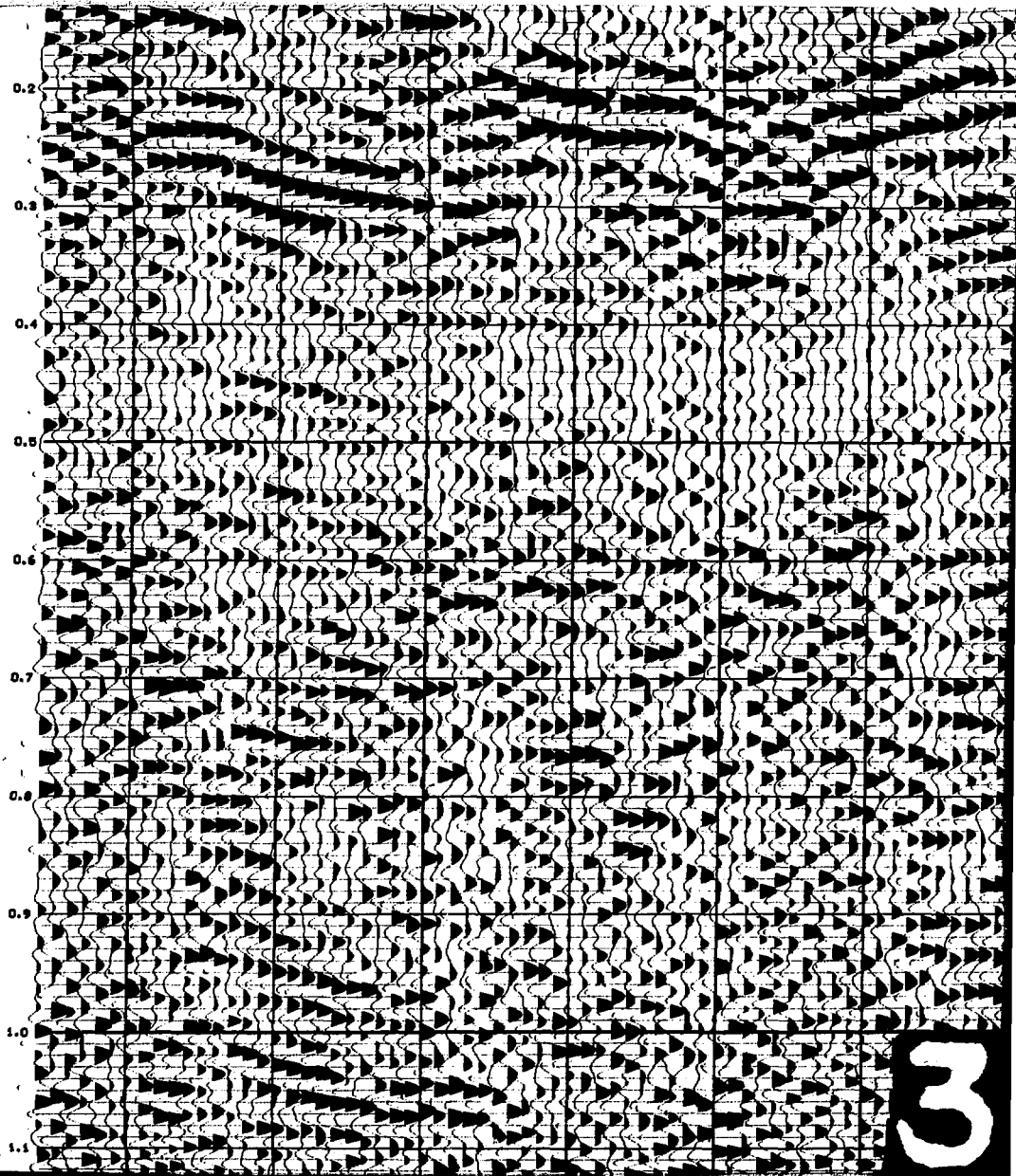
VELOCITY FUNCTION  
DIRECTION

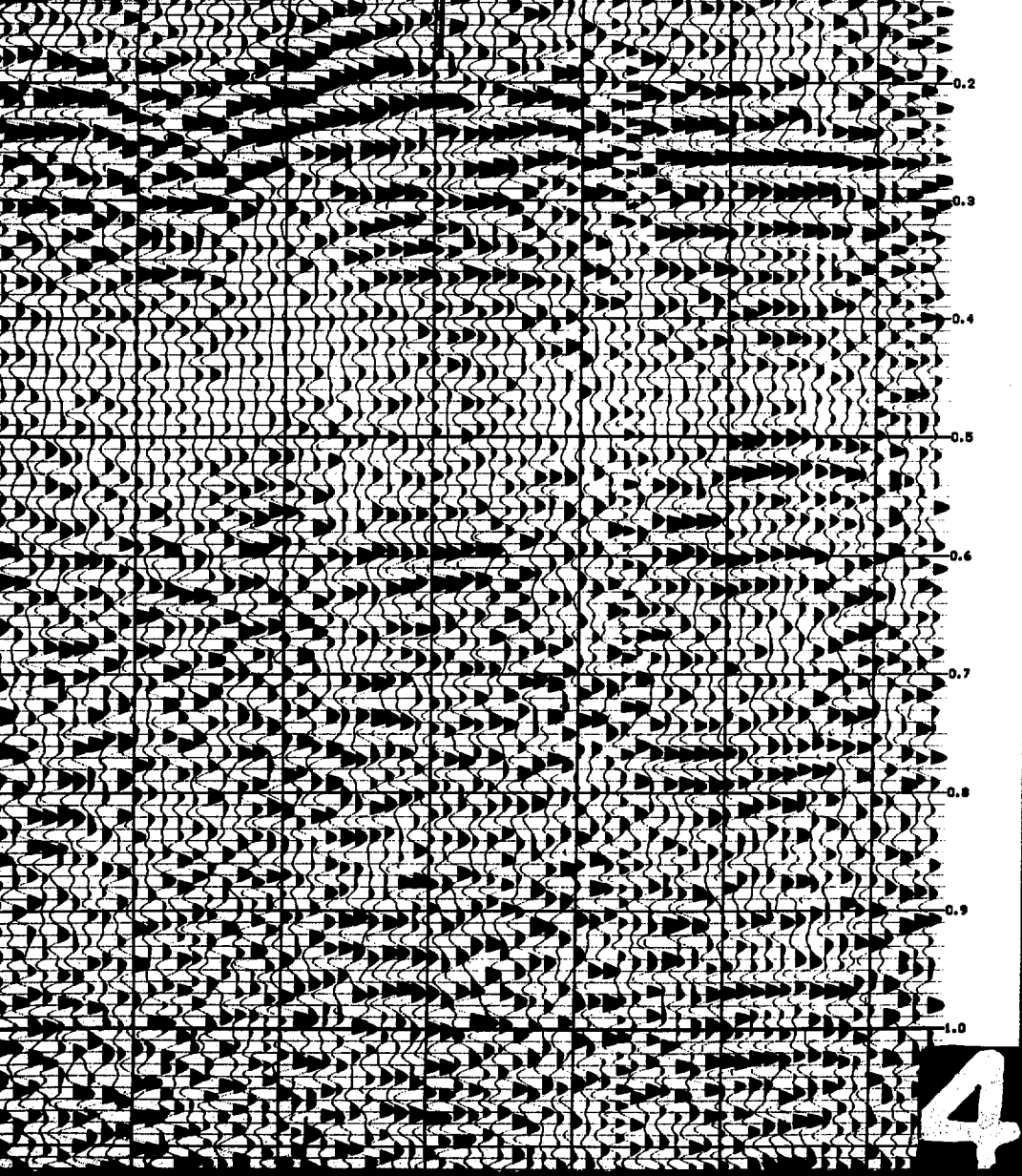


STATIONS



LOS MEDANOS





0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

1.0

4

# LOS MEDANOS

LINE X-13  
STATIONS 3-53  
SOUTHEAST NEW MEXICO

## INPUT REEL HEADER INFORMATION

REEL NUMBER  
DATE CREATED 12/12/77  
NUMBER SAMPLE/TRACE 1000  
SAMPLE RATE IN HILLS 2  
PROCESSOR  
LINE NUMBER X-13  
JOB NUMBER  
SECTION NUMBER  
PROCESSING STEP

## FIELD INFORMATION

RECORDED BY: DRESSER OLYPIC	PARTY: NO. 62
DATE: NOVEMBER 10, 1977	FILTER: 18/86-124 KZ
INSTRUMENTS: CFS I - DFS IV	SAMPLE RATE: 2MS
WITCH FILT: IN	SOURCE: VIBROSEIS
RECORD LEN: 16 SEC.	SWEEP LEN: 12 SEC.
SWEEP PRNG: 25-100 KZ	NO/SAMPLES 24
ITN INV: 110 FT.	VIB. INV: 110 FT.
NOB FOR STN: 6	SEG TYPE: 00C-200
WARR TYPE: INLINE	TYPE COVER: 1200 PRCNT

## PROCESSING SEQUENCE

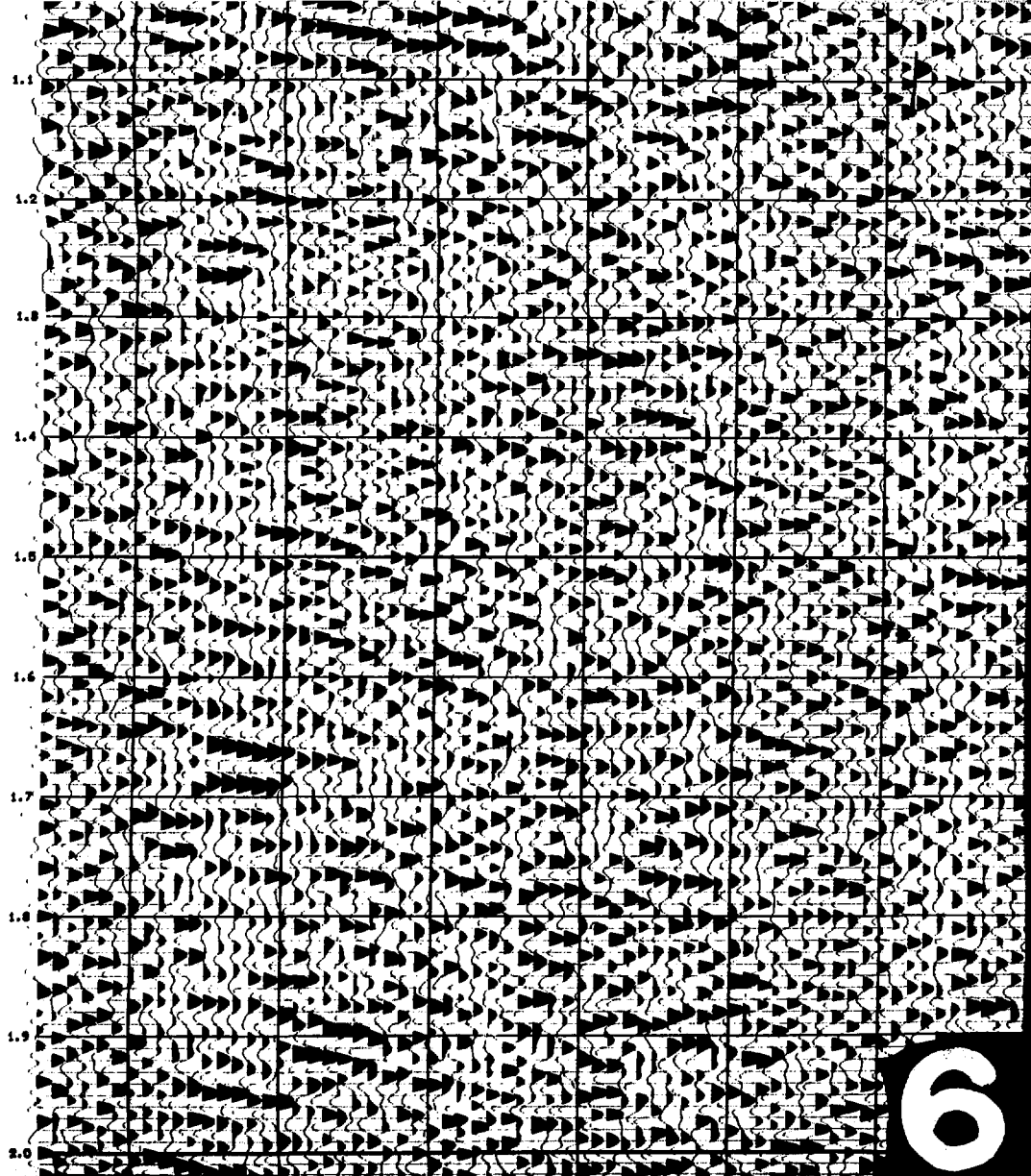
PROCESSED BY DRESSER OLYPIC

### STATICS COMPUTATION

DATUM: 8200 FT.  
VIB: 6000 FT/SEC.

- 1) DEMULTIPLEX
- 2) BINARY GAIN RECOVERY
- 3) VIBROSEIS CORRELATION
- 4) COMMON DEPTH POINT GATHERS
- 5) DECONVOLUTION  
OPERATOR LENGTH=140 MILS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-3.0 SEC. 25-80 KZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMO
- 10) FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-3.0 SEC. 25-80 KZ
- 13) DIGITAL ABC
- 14) DISPLAY  
8 TR/IN  
10 IN/SEC.

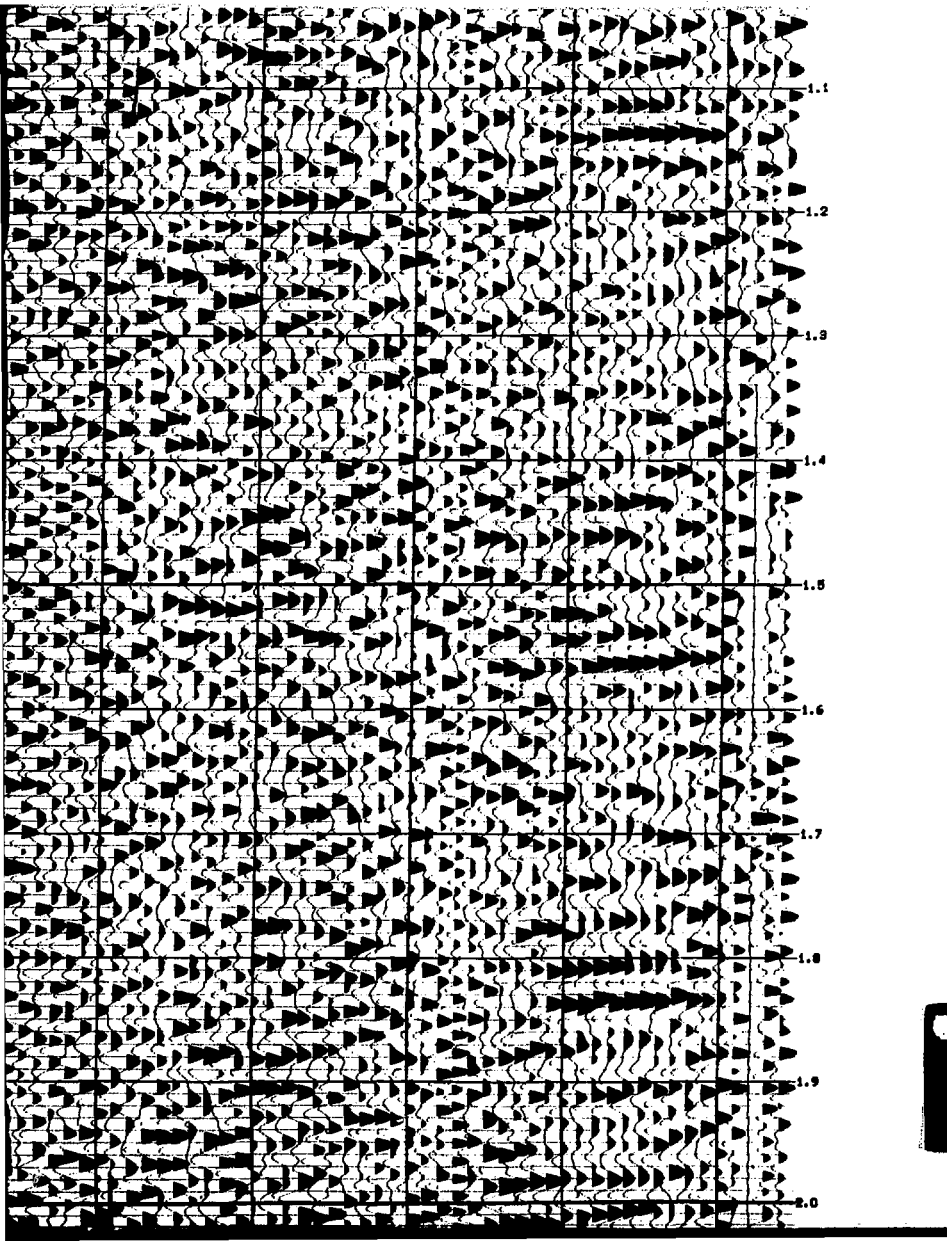
5



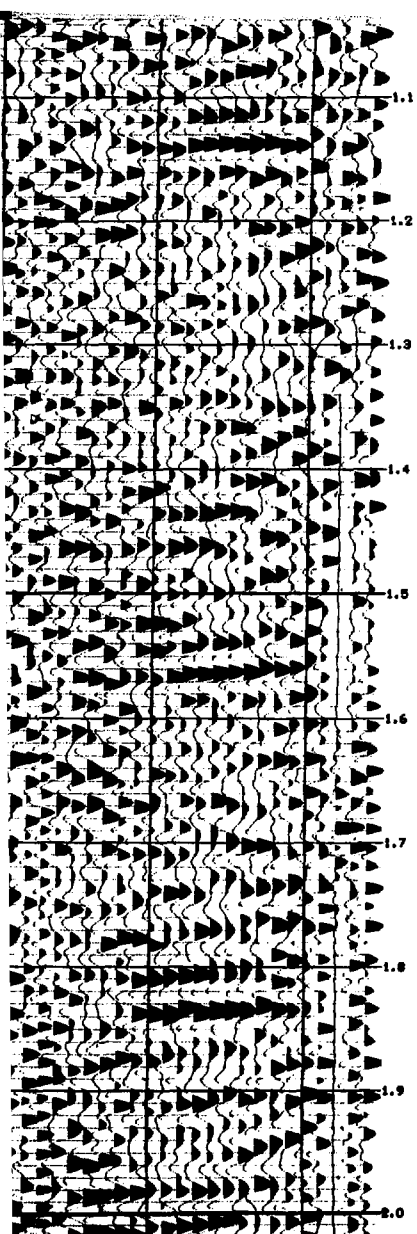
13) DIGITAL ASC

14: DISPLAY  
8 TR/IN  
10 IN/SEC.

.....  
1210

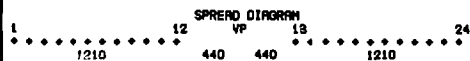


7



13) DIGITAL ASC

14: DISPLAY  
8 TR/IN  
10 IN/SEC.



\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

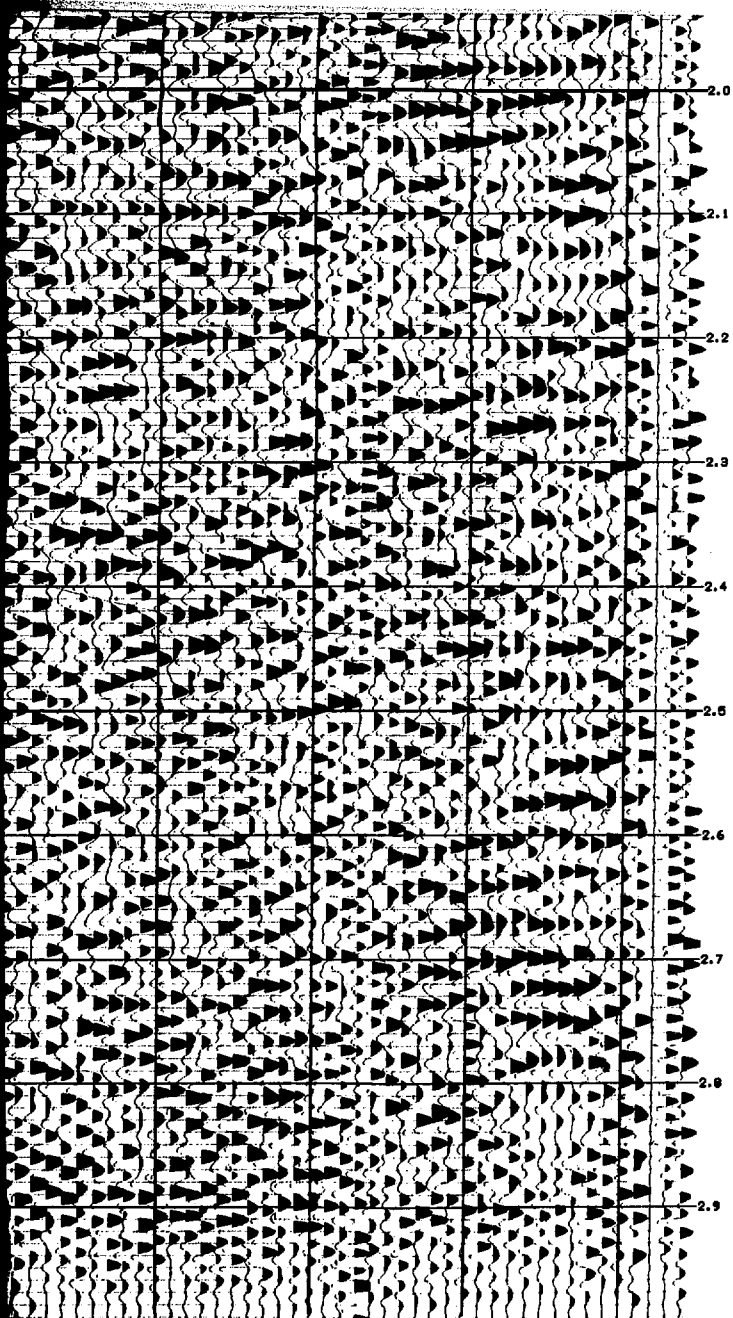
PERCENT GAIN 200  
HORIZONTAL SCALE 8. TR/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION R/L  
PERCENT BAR 0  
POLARITY BLACK+VE

\*\*\*\*\*  
DATA PROVIDED BY  
GOSSEN ELECTRIC  
\*\*\*\*\*

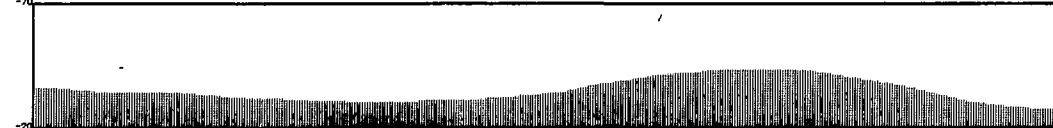
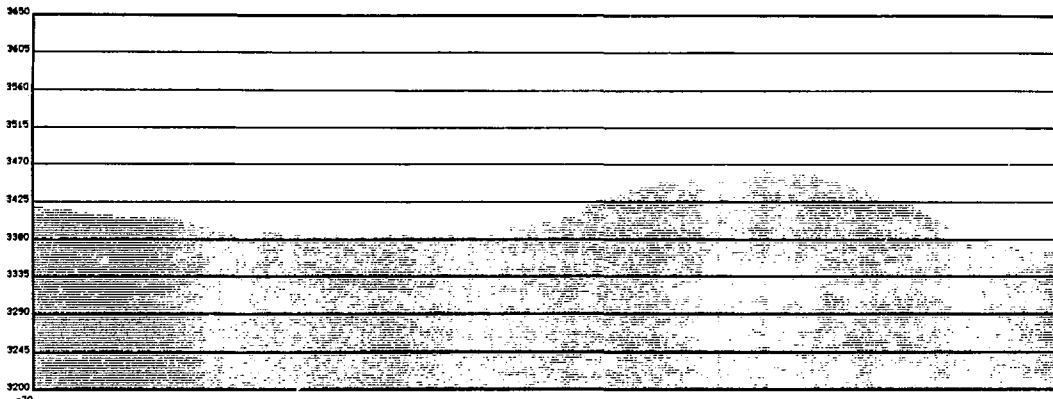


2.0  
2.1  
2.2  
2.3  
2.4  
2.5  
2.6  
2.7  
2.8  
2.9

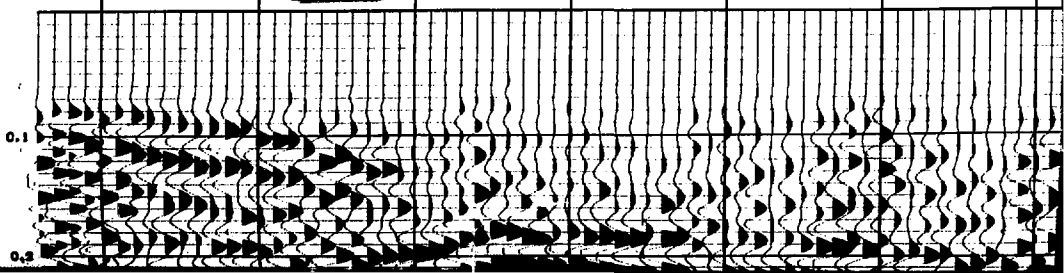
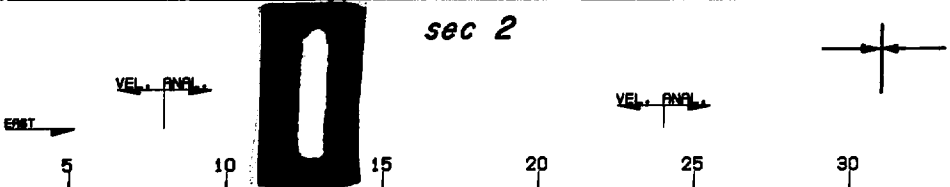


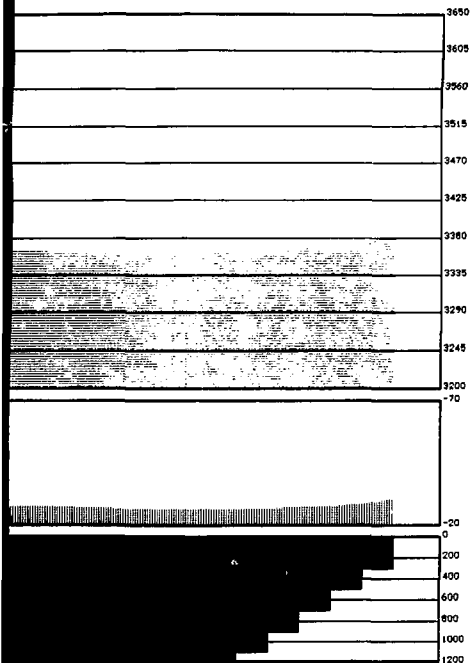


10



sec 2





ELEVATIONS

STATICS

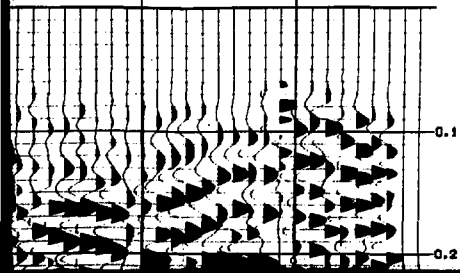
FOLD %

*sec 1*

VEL. ANAL.

40

45



LINE DIRECTION

2

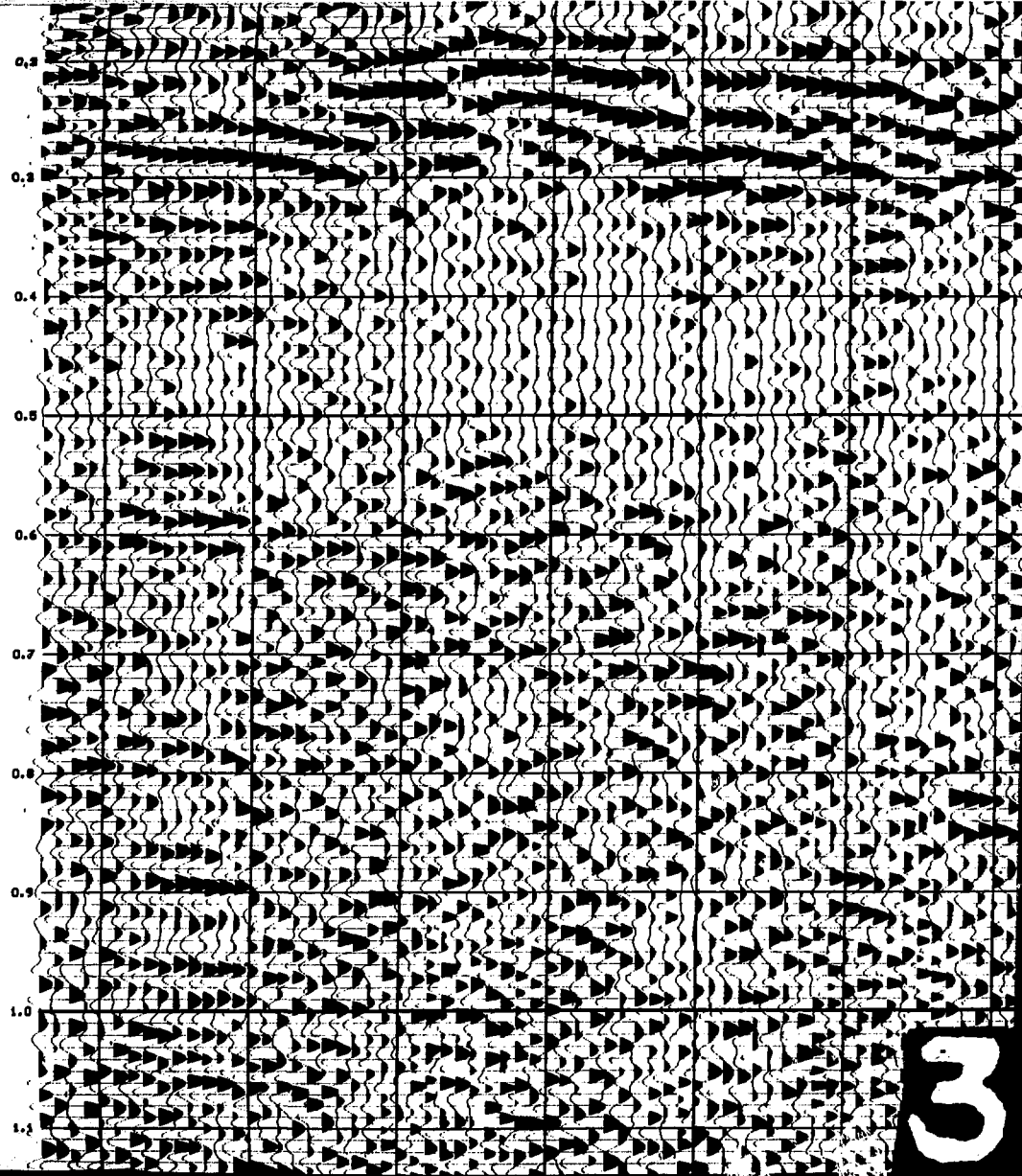
VELOCITY FUNCTION  
DIRECTION

STATIONS

**Dresser Dynamic**

**LØS MEDANØS**

LINE X-12



3

# L0S MEDAN0S

LINE X-12  
STATIONS 3-46  
SOUTHEAST NEW MEXICO

## INPUT REEL HEADER INFORMATION

REEL NUMBER  
DATE CREATED 12/12/77  
NUMBER SAMPLE/TRACE 1000  
SAMPLE RATE IN MILLS 2  
PROCESSOR  
LINE NUMBER X-12  
JOB NUMBER  
SECTION NUMBER  
PROCESSING STEP

## FIELD INFORMATION

RECORDED BY: DRESSER OLYMPIC	PARTY: W. 62
DATE: NOVEMBER 16, 1977	FILTER: 10/96-124 HZ
INSTRUMENTS: CFS I - DFB IV	SAMPLE RATE: 2MS
NOTCH FILT: IN	SOURCE: VIBROGEIS
RECORD LEN: 16 SEC.	SWEEP LEN: 12 SEC.
SWEEP FREQ: 25-100 HZ	NB/GRUUPS 24
STN INV: 110 FT.	VIB. INV: 110 FT.
GES PER STN: 6	GES TYPE: GSC-200
ARRAY TYPE: INLINE	TYPE COVER: 1200 PRCNT

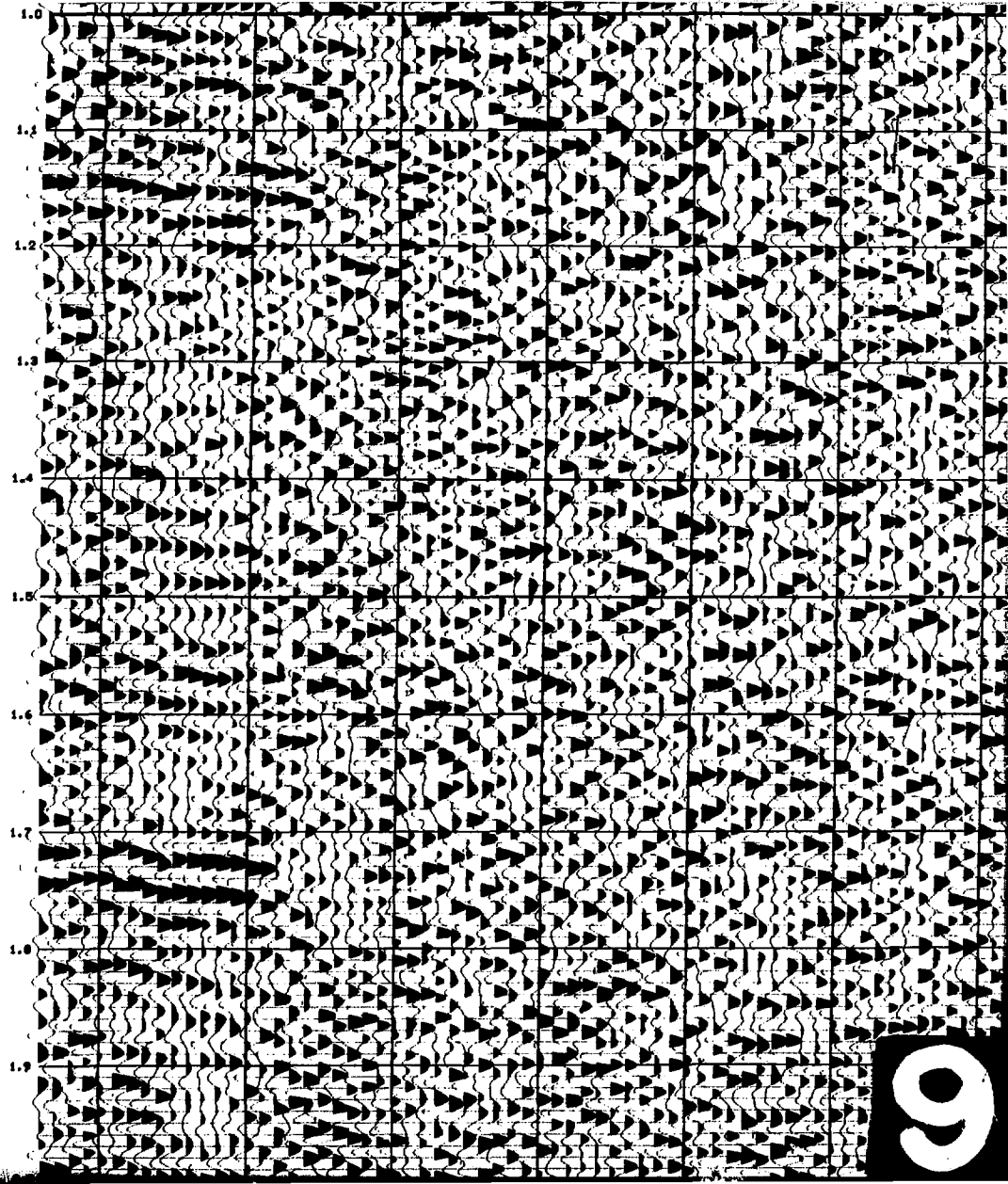
## PROCESSING SEQUENCE

PROCESSED BY DRESSER OLYMPIC

STATICS COMPUTATION  
DATUM: 3200 FT.  
VIB: 6000 FT/SEC.

- 1) DEMULTIPLY
- 2) BINARY GAIN RECOVERY
- 3) VIBROGEIS CORRELATION
- 4) COMMON DEPTH POINT GATHERS
- 5) DECONVOLUTION  
OPERATOR LENGTH=140 MILS  
PREDICTION TIME BASED ON 2ND ZERO CROSSING
- 6) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-3.0 SEC. 25-80 HZ
- 7) APPLY DATUM STATICS
- 8) VELOCITY ANALYSIS
- 9) APPLY NMO
- 10) FIRST BREAK SUPPRESSION (MUTE)
- 11) STACK 12 FOLD
- 12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-3.0 SEC. 25-80 HZ
- 13) DIGITAL AGC
- 14) DISPLAY  
0 TR/IN  
10 IN/SEC.

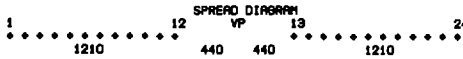
# 4



12) TIME-INVARIANT DIGITAL FREQUENCY FILTER  
0.0-9.0 SEC. 26-80 HZ

13) DIGITAL ROC

14) DISPLAY  
8 TR/IN  
10 IN/SEC.



\*\*\*\*\* FILMING PARAMETERS \*\*\*\*\*

PERCENT GAIN 200  
HORIZONTAL SCALE 8. IN/IN  
VERTICAL SCALE 10. IN/SEC  
FILMING DIRECTION L/R  
PERCENT BAR 0  
POLARITY BLACK+VE

\*\*\*\*\*  
DATA PROVIDED BY  
DORRIS ELECTRIC  
\*\*\*\*\*

7

2.0

2.1

2.2

2.3

2.4

2.5

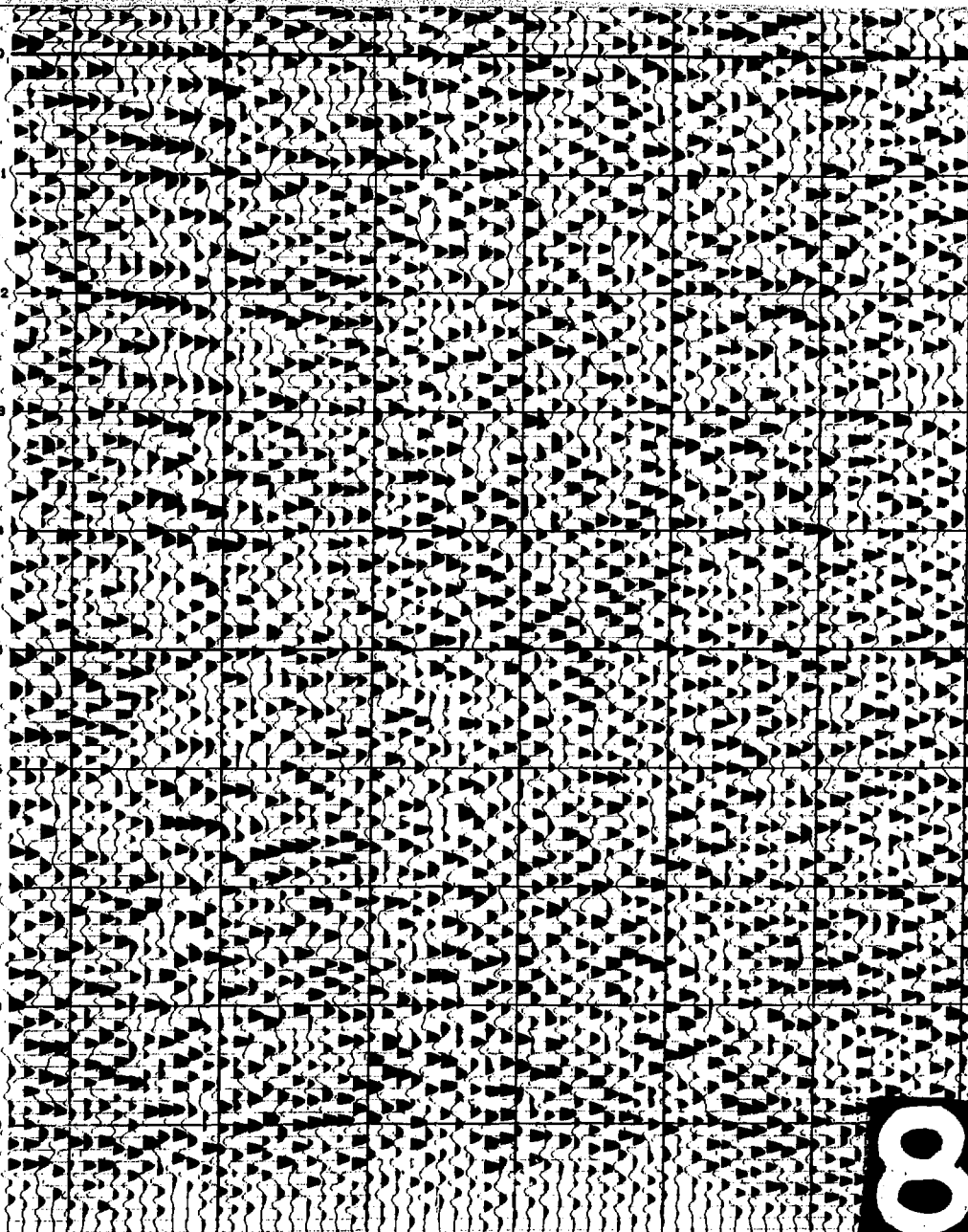
2.6

2.7

2.8

2.9

8





103°54' W  
32°27' N

	28	27	
26'	33	34	☼
25'	4	3	
	9	10	

26

25

30

29

35

36

31

32



2

1



6

5



11

12

7

2

8

28

27

26

33

34

35

ERDA 6  
⊕ TD 2711

4

3

**3** 2

⊕ ERDA 11

9

10

ERDA 8  
⊕ TD 4910'

11

103°4  
32°27

25

30

29

36

31

ERDA 7  
⊕ TD 3908'

32

1

6

5

4

12

7

8

9

10

24'

16

15

R

23'

21

22

22

S

T

22'

28

27

5

J-E

11

12

7

8

E

14 30

13

18

Y-1

172

Y-4

172

161

149

23

24

19

137

125

Y-3

172

161  
113

101

26

25

30

29

6

9

10

11

15

E

14

R

31

TD 15,225'

S

21

22

23

22

28

27

7

26

Y-5

Y-2

172

137

149

137

125

101

101

172

113

149

137

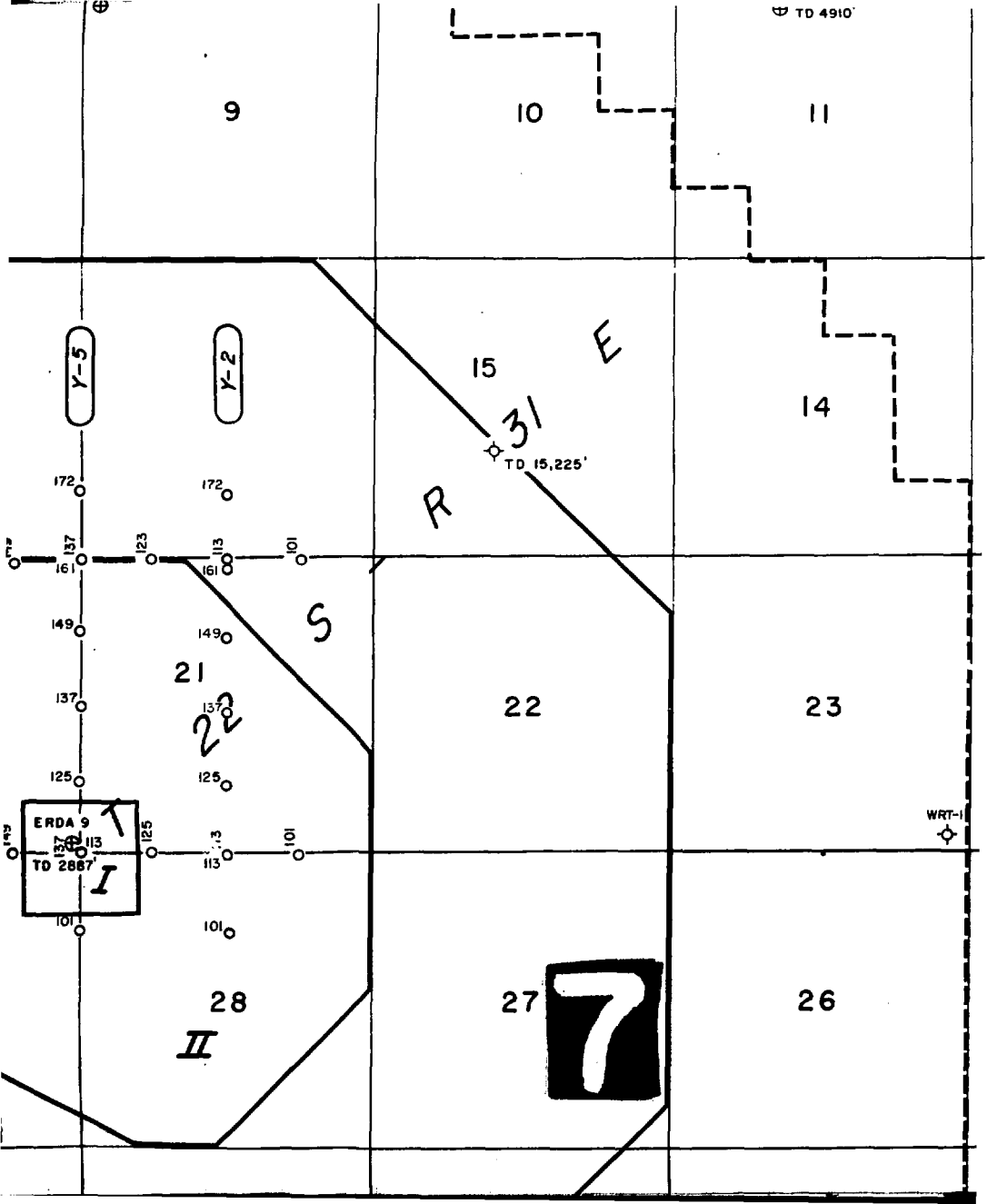
125

113

101

ERDA 9  
TO 2867'

WRT-1



12

7

8

13

18

17

E

32

◇ JEN-1

R

24

19

S

20

◇

22

◇ BAS-1

T

25

30

29

**8**

◇ FED-1



21'

33

34

20'

4

3

19'

9

9

10

R

18'

16

15  
23

S

T

35

36

31

32

JR-1



2

B-1



1

JR-3



JR-7

TD 14,590'



6

CB

5

1 1/2 30

E

12

7

8

14

13

10

18

17

33

*III*

34

◇ G-1

35

AA-2

◇

*IV*

4

3

2

9

10 E

11



◇

R

16 S

15

14

◇ PP 6

23

36

COUNTY

31

FED-1

32

EDDY

COUNTY

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5

LEA

FED-5

12

**12**

7

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32

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17

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18'

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21

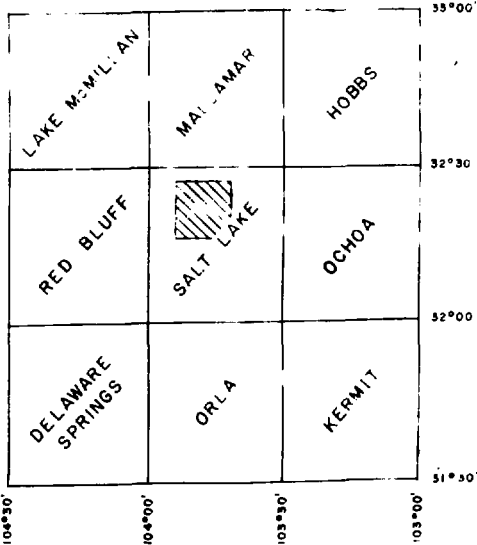
22

32°17' N  
103°54' W

53'

52'

13



23

24

19

20

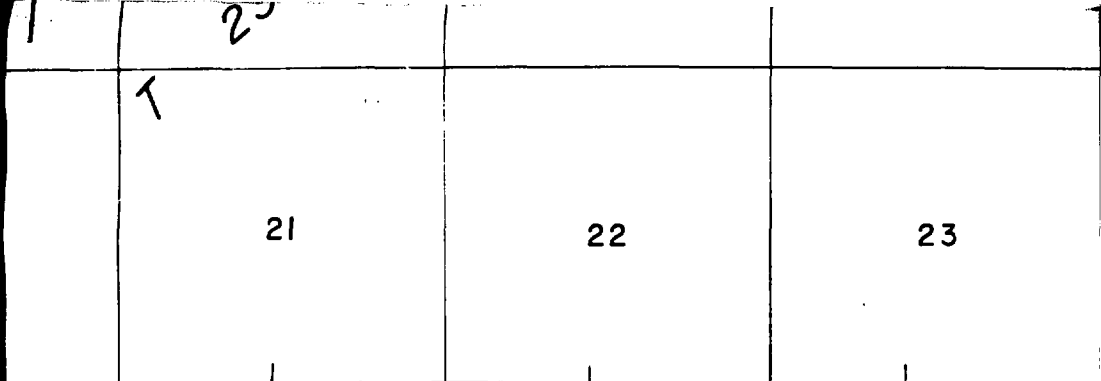
51'

50'

49'

48'

14



**15**

ZONE	
I	
II	
III	6
IV	10
TOTAL	16

24

19

20

T

44'

43'

42'

32°17' N  
103°41' W

16

REA
Acres
Acres
Acres
Acres
Acres

# SANDIA LABORATORIES

SEISMIC SURVEY

LOS MEDANOS SITE AREA  
EDDY COUNTY, NEW MEXICO

1978 SEISMIC PROGRAM MAP

INTERPRETATION BY:  
G. J. LONG & ASSOCIATES, INC.

SEISMOLOGIST:

APPROVED:

SCALE	DATE	C. I.	
1" = 2,000'			



3385

3385

3386

3387

33



DATUM

2200



SANDIA Y-3

SANDIA Y-1



101

105

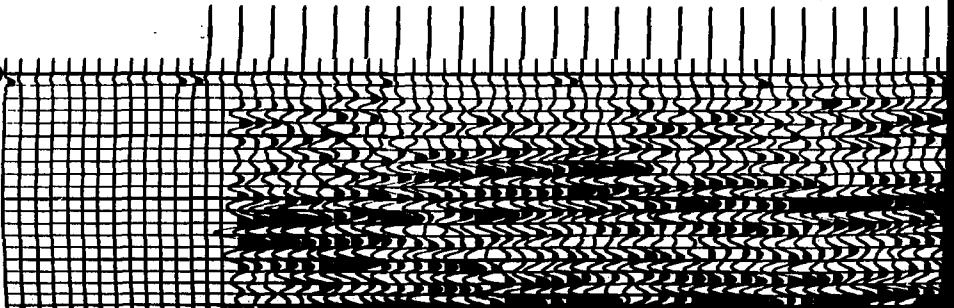
110

115

120

0.0

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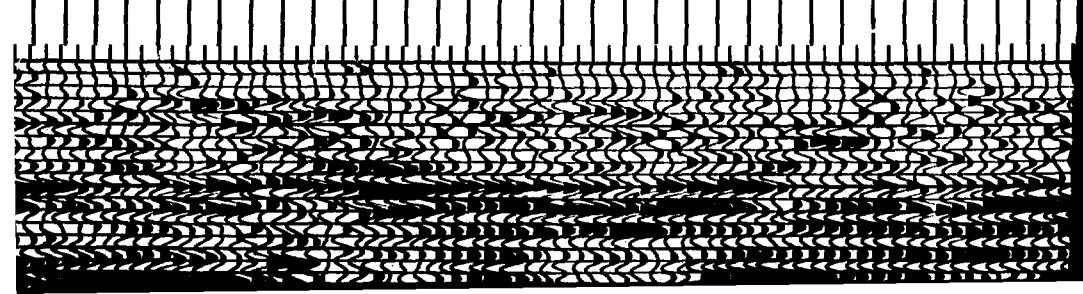
196 3406 3407 3412 3415 3417 3418 34

2

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VA

5 130 135 140 145 150 155



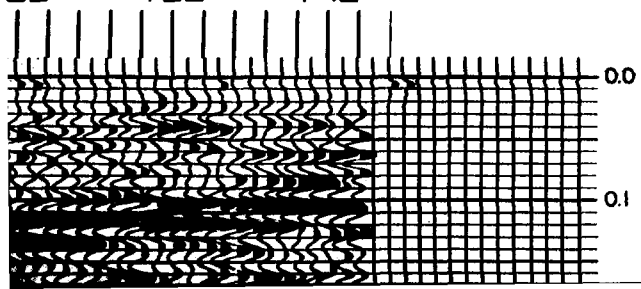
22 2420 2426

DIA Y-4

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SEI

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AREA  
LINE  
STATE  
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DATE SHOT

FIELD

REC





**SEISMIC AND DIGITAL  
CONCEPTS, INC.**

**SANDIA LAB.**

**NORTH**

<b>AREA</b>	<b>SANDIA</b>
<b>LINE</b>	<b>Y-1</b>
<b>STATE</b>	<b>NEW MEXICO</b>
<b>COUNTY</b>	<b>LEA</b>
<b>DATE SHOT</b>	<b>JULY 2-12 1978</b>

**FIELD PARAMETERS**

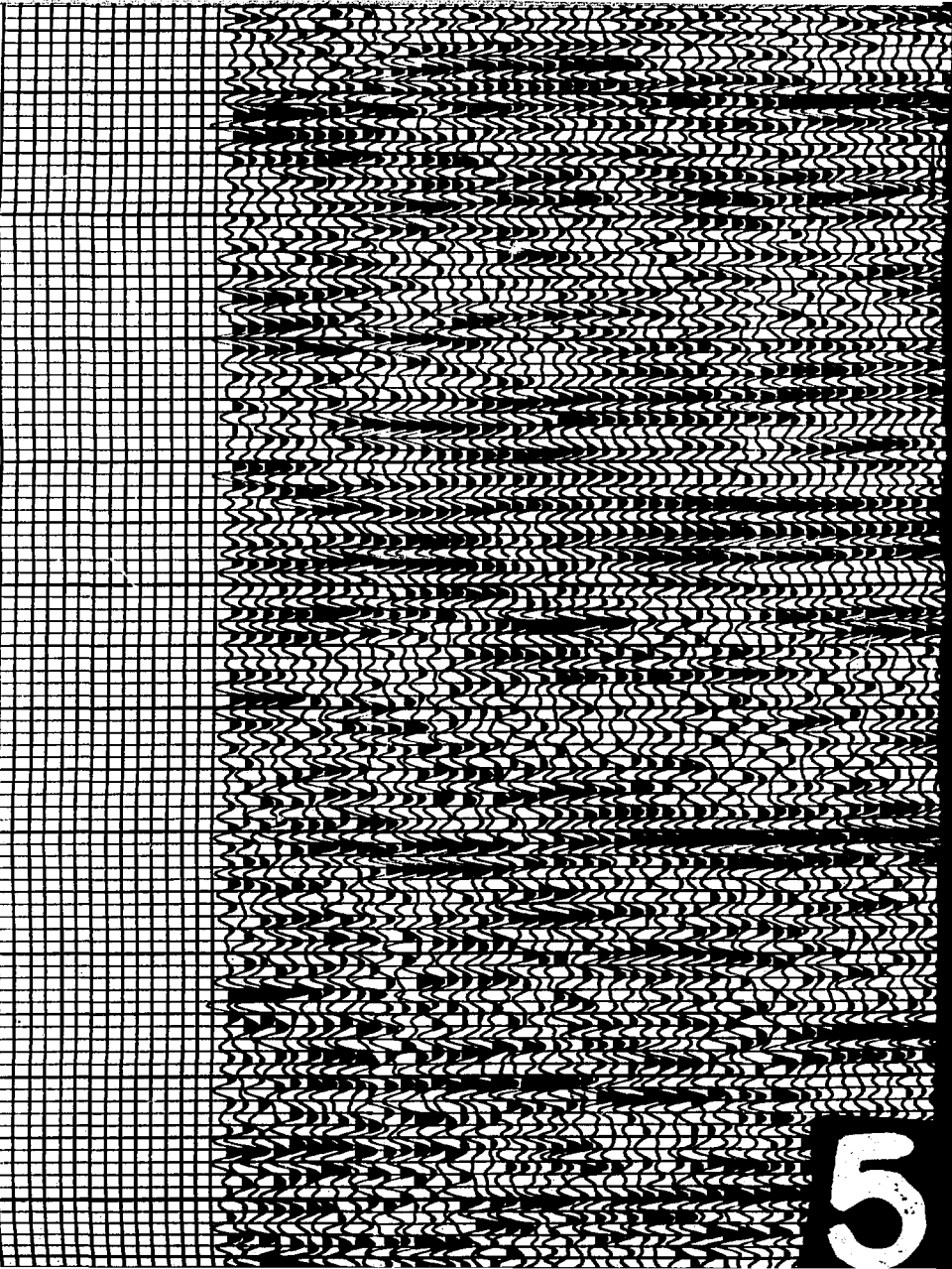
**RECORDED BY**



**CXC, INC.**

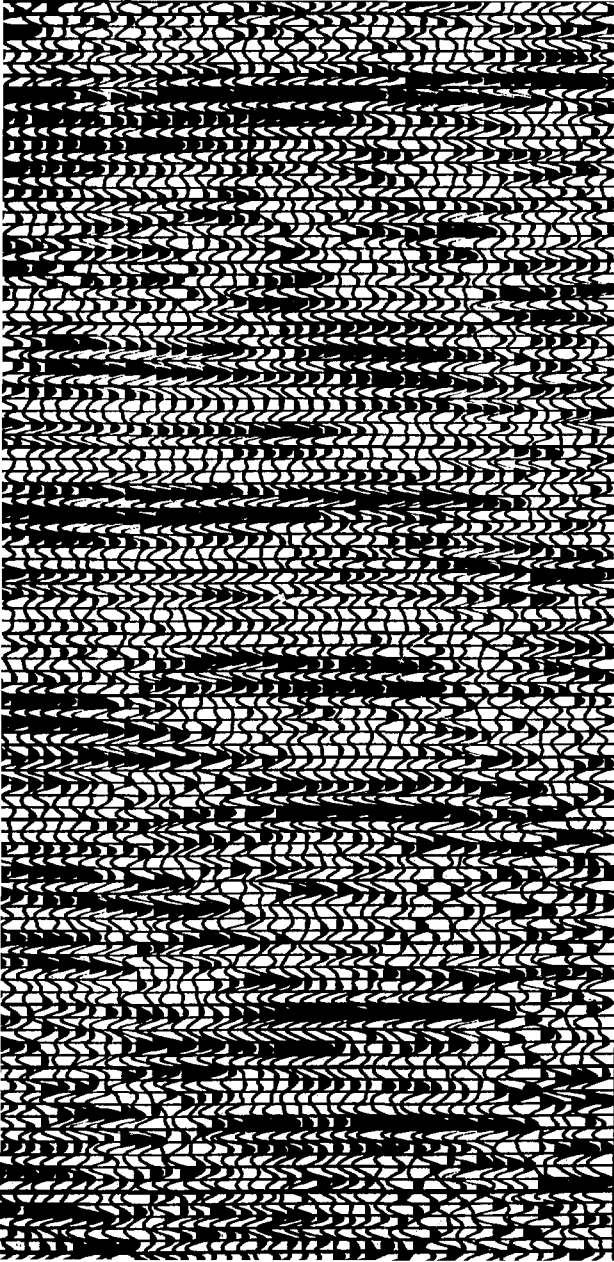
**4**

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CXC, INC.

RECORDED	DIGITAL
INSTRUMENTS	MODR-4000
ENERGY	VIBRATOR
SWEEP LENGTH	12.0 SEC
SWEEP FREQ	25-100 HZ
LISTEN TIME	4.0 SEC
SAMPLE RATE	2 MS
CABLE	24 TR SPLIT
1430-110-VP-110-1430 FT	
GROUP INT	110 FT
VIAR. INT	110 FT
COVERAGE	12 COP

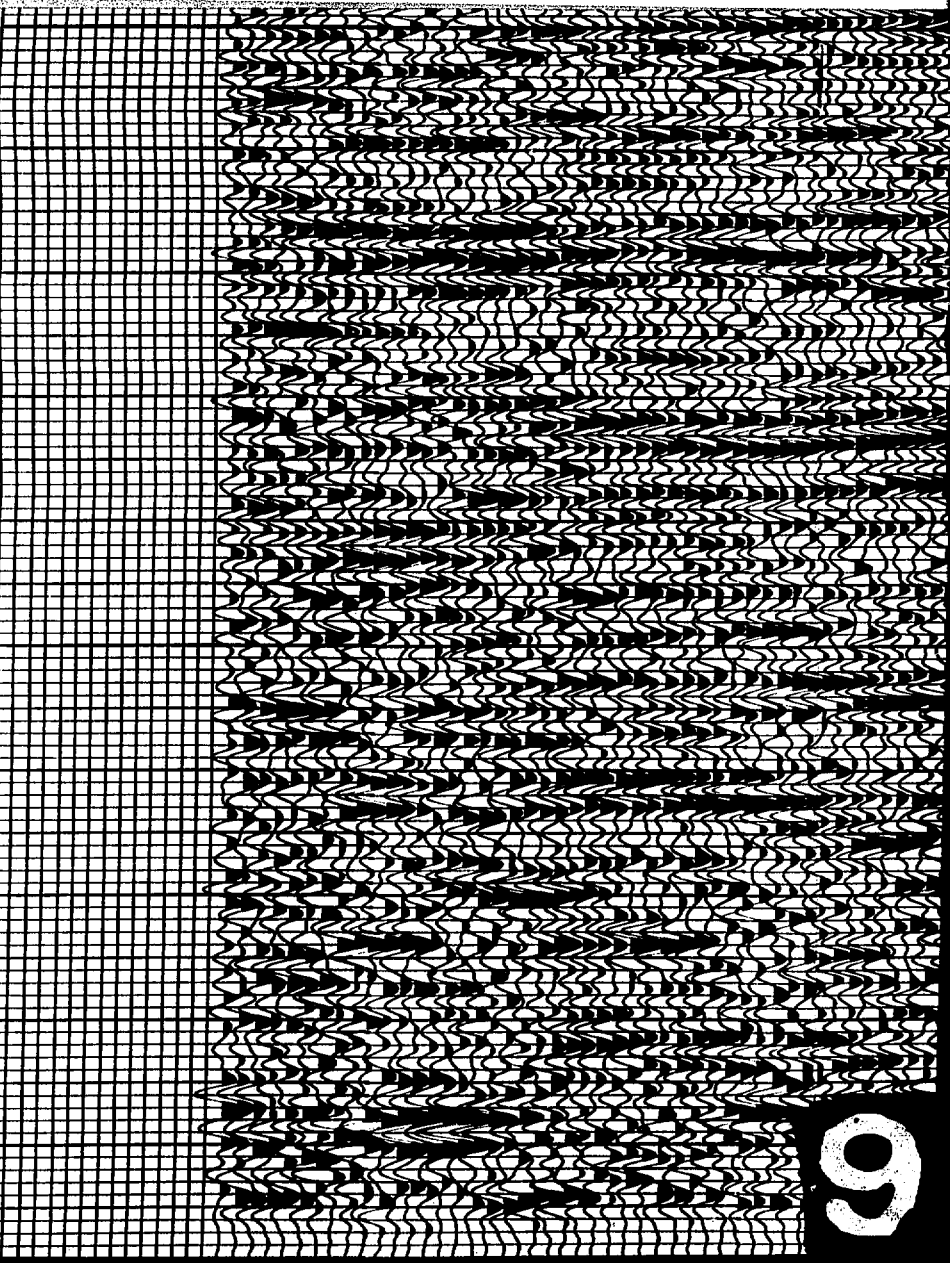
### PROCESSING PARAMETERS

PROCESSED 2.0 SEC 2 MS  
1 SPIKE DECON-TIME VARYING  
0.030-0.700 - GATE 1  
0.600-1.80 - GATE 2  
OPERATOR 100 MS BOTH GATES  
3, 10 TV FILTER  
0.0-0.5 40-90 HZ  
0.7-1.1 30-75 HZ  
1.3-2.0 20-65 HZ  
4 STATICS, NMD, STEP-MUTE  
DATUM 3200 FT ASL  
DATUM VEL 6000 FT/SEC  
VA-VELOCITY ANALYSIS  
5, 8 AGC  
6 AUTO RESID STATICS  
7 12 FOLD STACK  
8 NOISE REJECTION FILTER

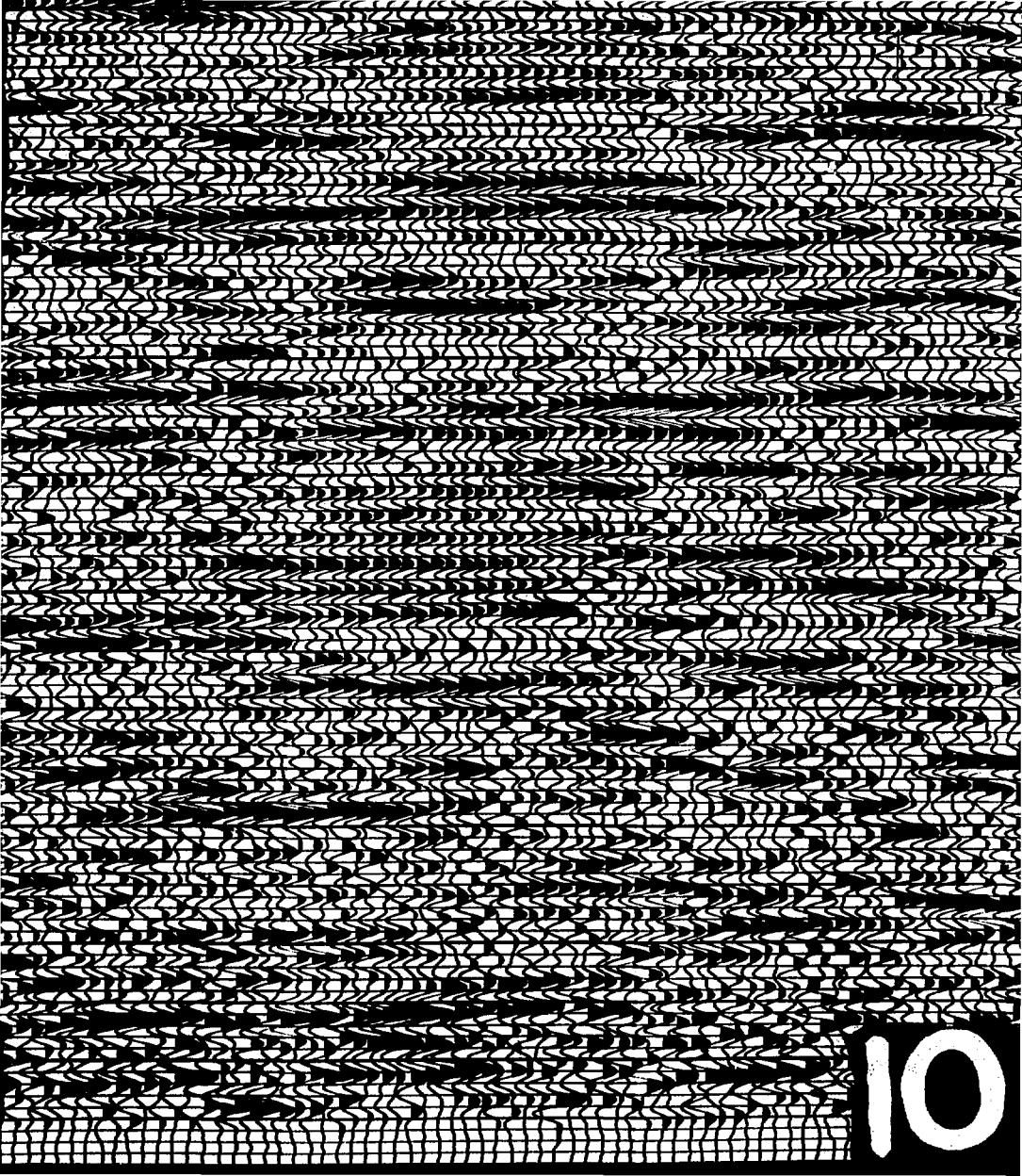
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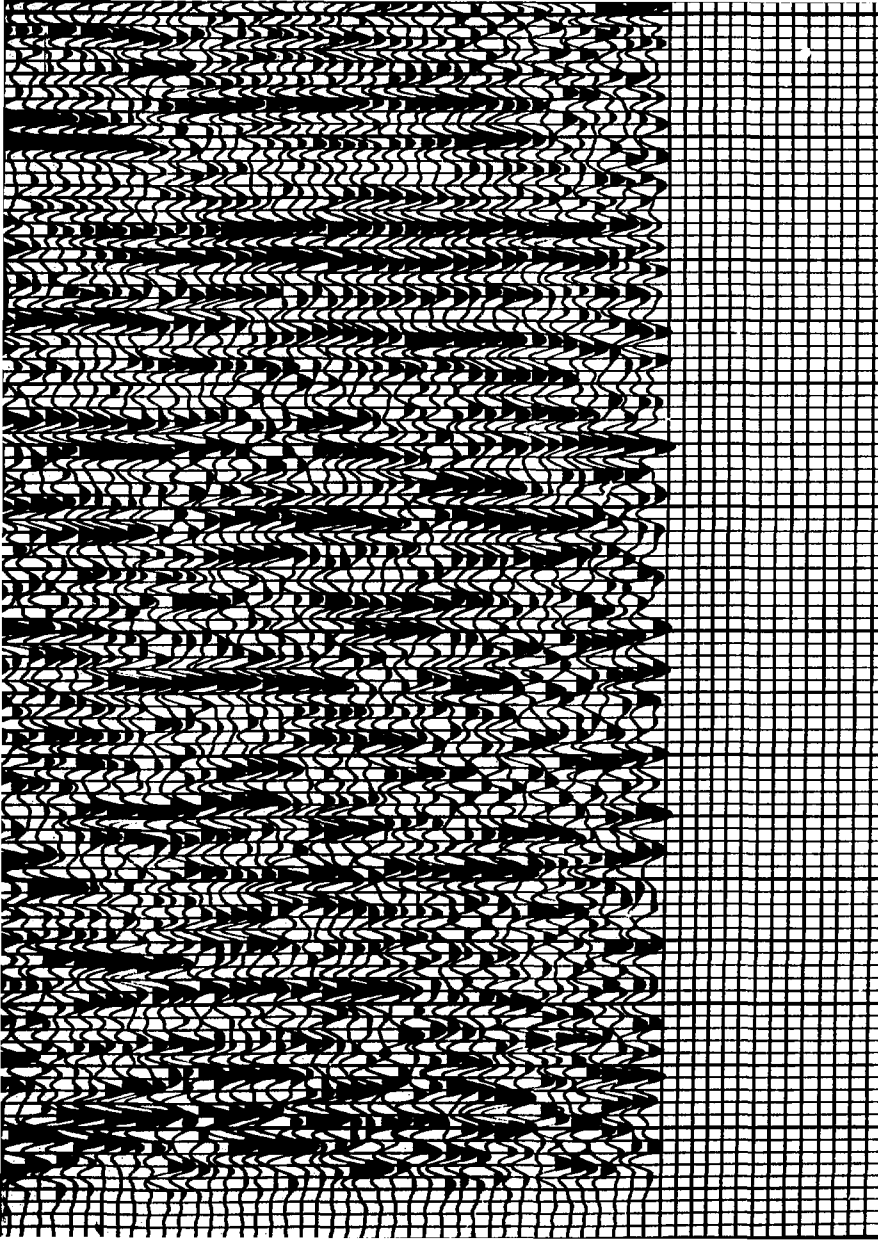


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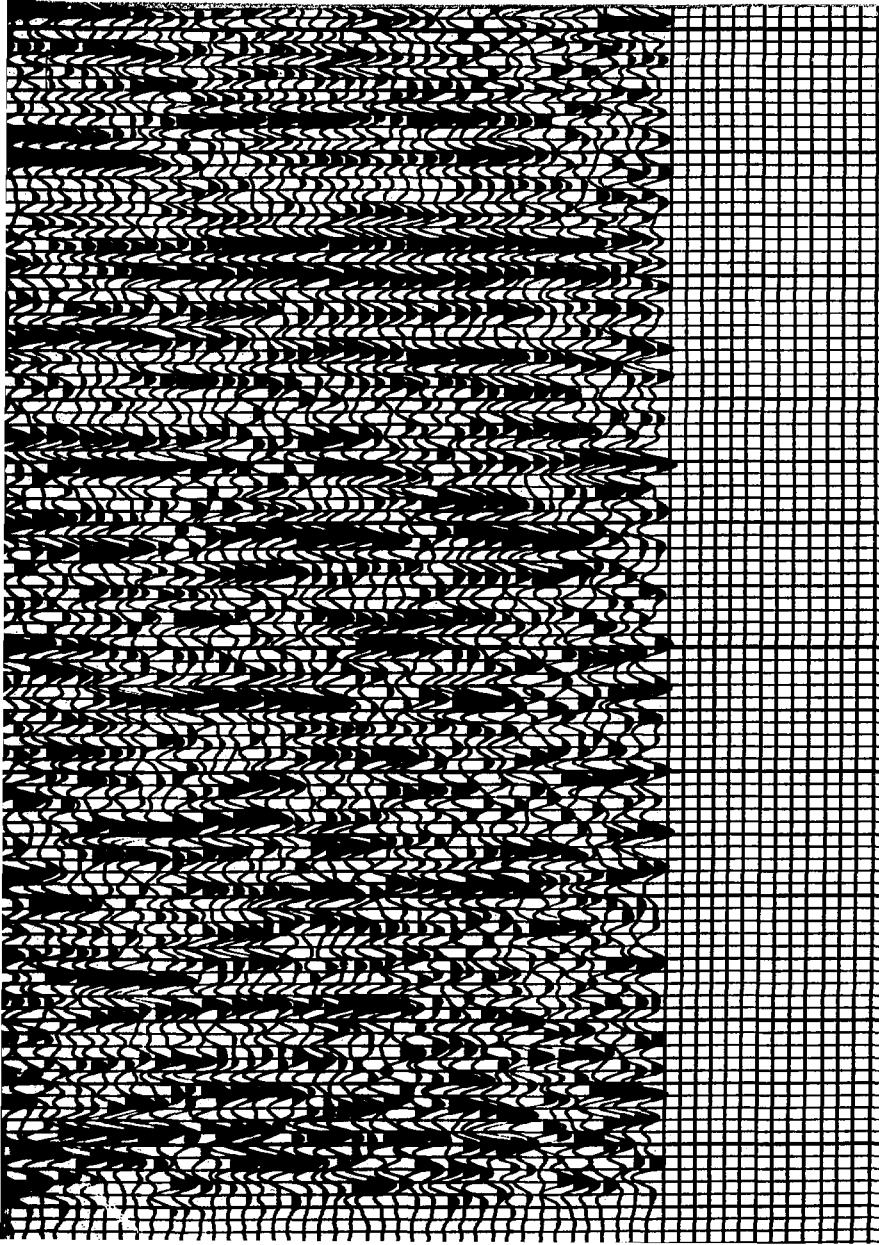




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6 AUTO RESID STAPLES  
7 12 FOLD STACK  
8 NOISE REJECTION FILTER

DISPLAY PARAMETERS

HORZ SCALE            8 TR/IN  
VERT SCALE            10 IN/SEC  
ELEY SCALE            100 FT/IN  
POLARITY CODE        LEFT+    RIGHT-

JOB NUMBER            6200  
COMPLETED            AUG 1978

REF

12

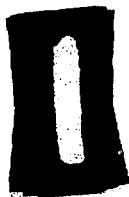
3433

3434

3436

3438

34



DATUM

3200

SANDIA Y-3

SANDIA Y-2

101

105

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12

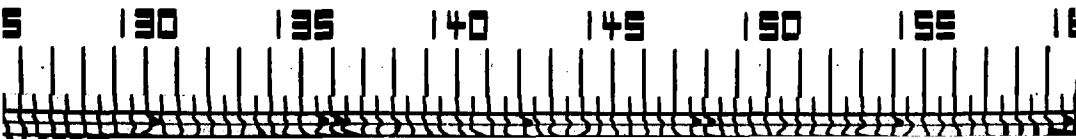
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SEISM  
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AREA  
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DATE SHOT

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**SEISMIC AND DIGITAL  
CONCEPTS, INC.**

**SANDIA LAB.**

**NORTH**

<b>AREA</b>	<b>SANDIA</b>
<b>LINE</b>	<b>Y-2</b>
<b>STATE</b>	<b>NEW MEXICO</b>
<b>COUNTY</b>	<b>LEA</b>
<b>DATE SHOT</b>	<b>JULY 2-12 1978</b>

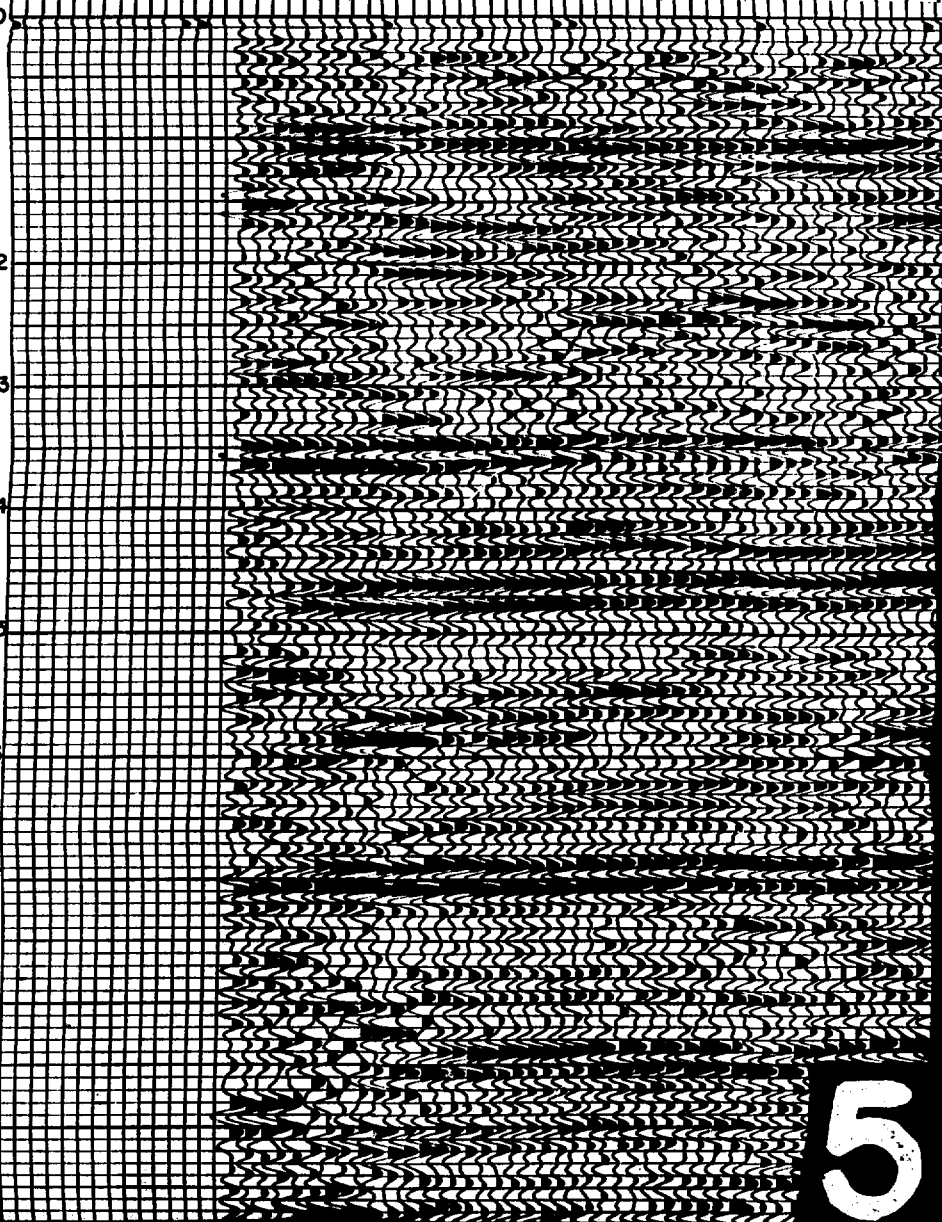
**FIELD PARAMETERS**

**RECORDED BY**

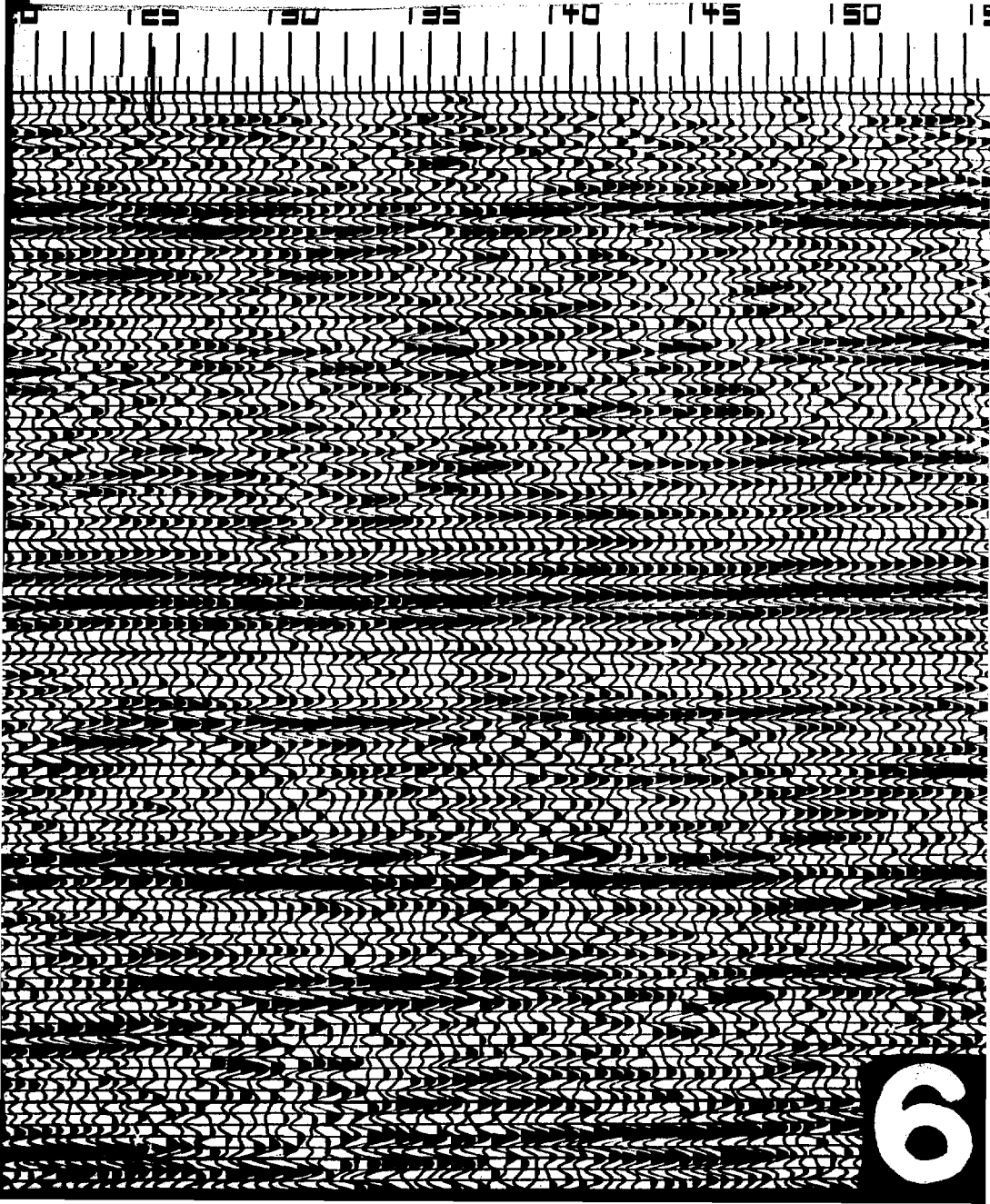


**4**

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125

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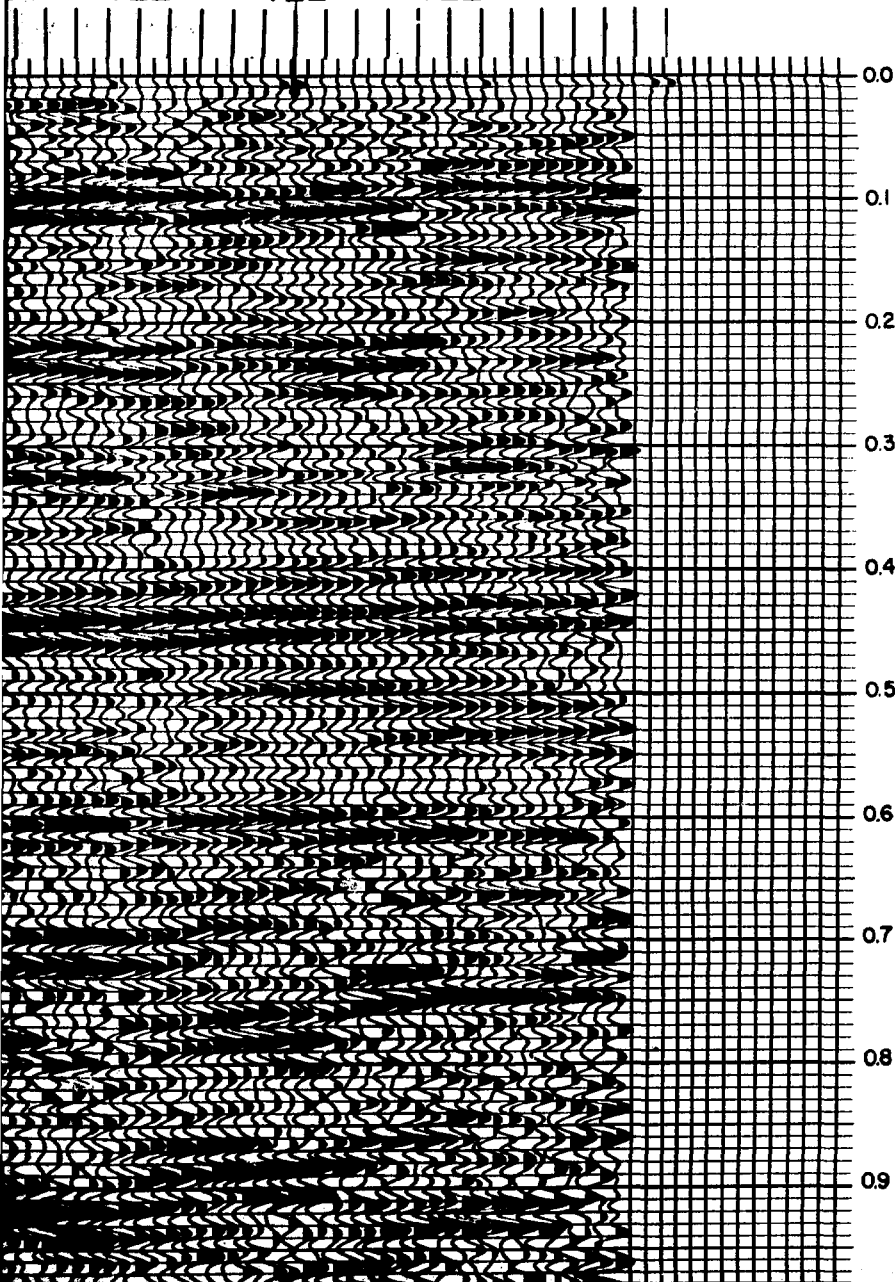
6

155

160

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170



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CXC, INC.

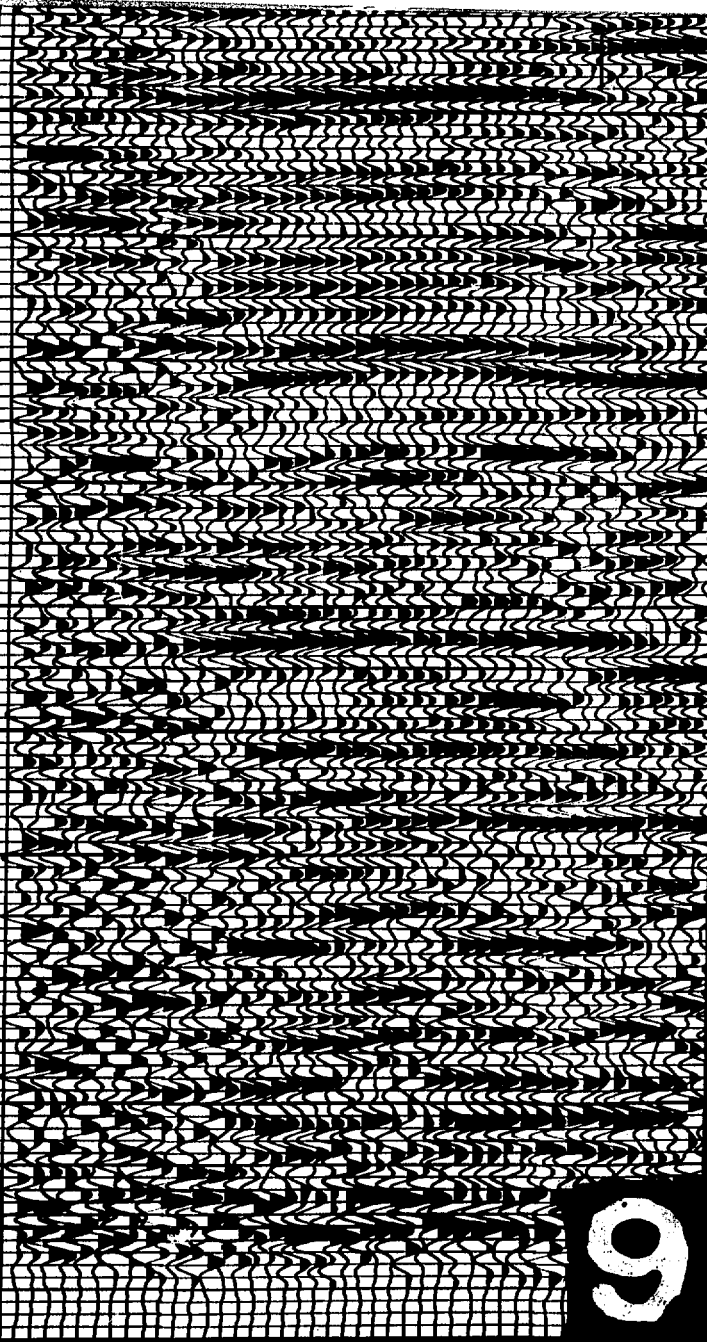
RECORDED	DIGITAL
INSTRUMENTS	MODR-4000
ENERGY	VIBRATOR
SWEEP LENGTH	12.0 SEC
SWEEP FREQ	25-100 HZ
LISTEN TIME	4.0 SEC
SAMPLE RATE	2 MS
CABLE	24 TR SPLIT
1430-110-VP-110-1430 FT	
GROUP INT	110 FT
VIBR. INT	110 FT
COVERAGE	12 COP

### PROCESSING PARAMETERS

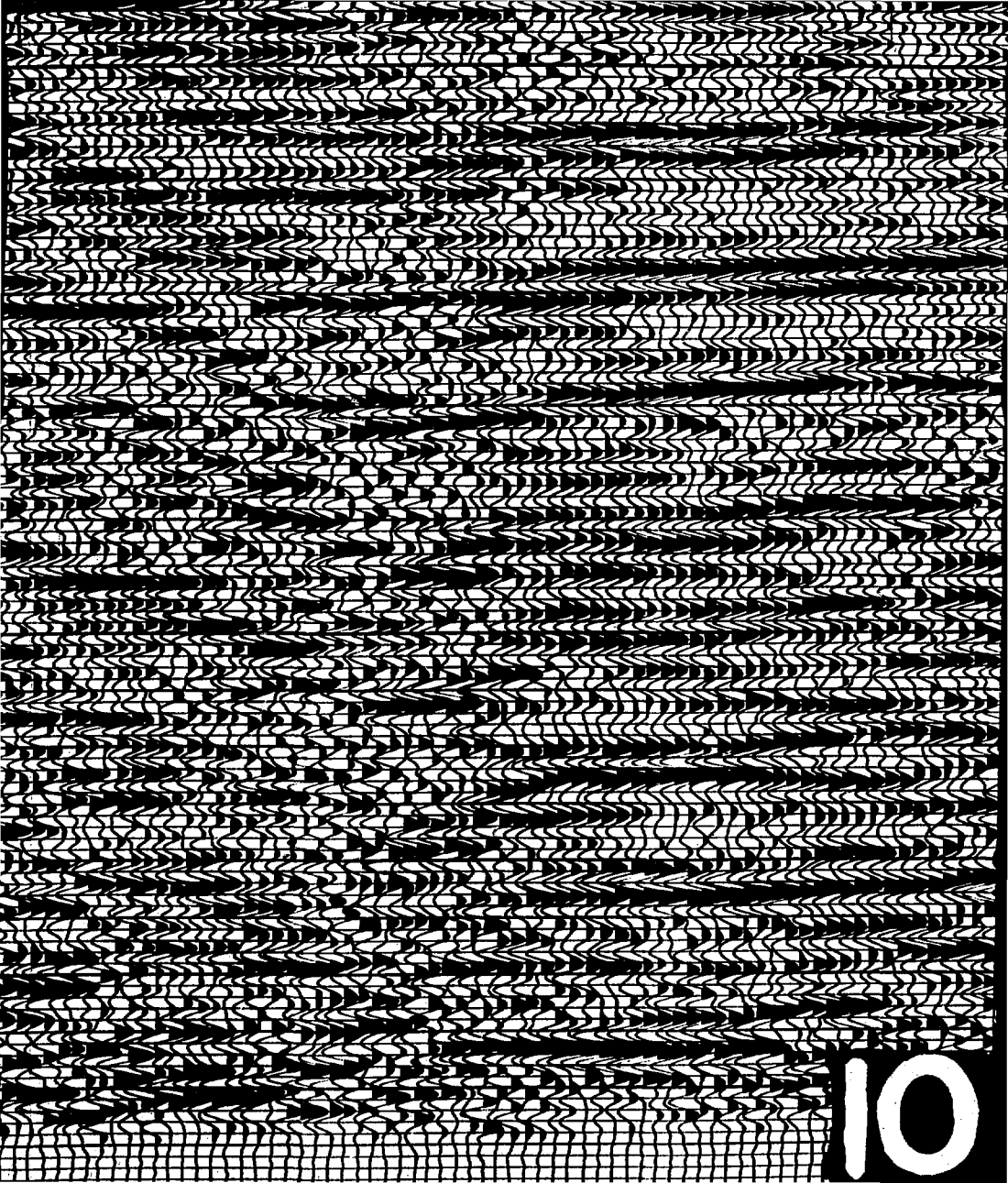
PROCESSED 2.0 SEC 2 MS  
1 SPIKE DECON-TIME VARYING  
0.030-0.700 - GATE 1  
0.600-1.800 - GATE 2  
OPERATOR 100 MS BOTH GATES  
3, 10 TV FILTER  
0.0-0.5 40-90 HZ  
0.7-1.1 30-75 HZ  
1.3-2.0 20-65 HZ  
4 STATICS, NMO, STEP-MUTE  
DATUM 3200 FT ASL  
DATUM VEL 3000 FT/SEC  
VA-VELOCITY ANALYSIS  
5, 8 ABC  
6 AUTO RESID STATICS  
7 12 FOLD STACK

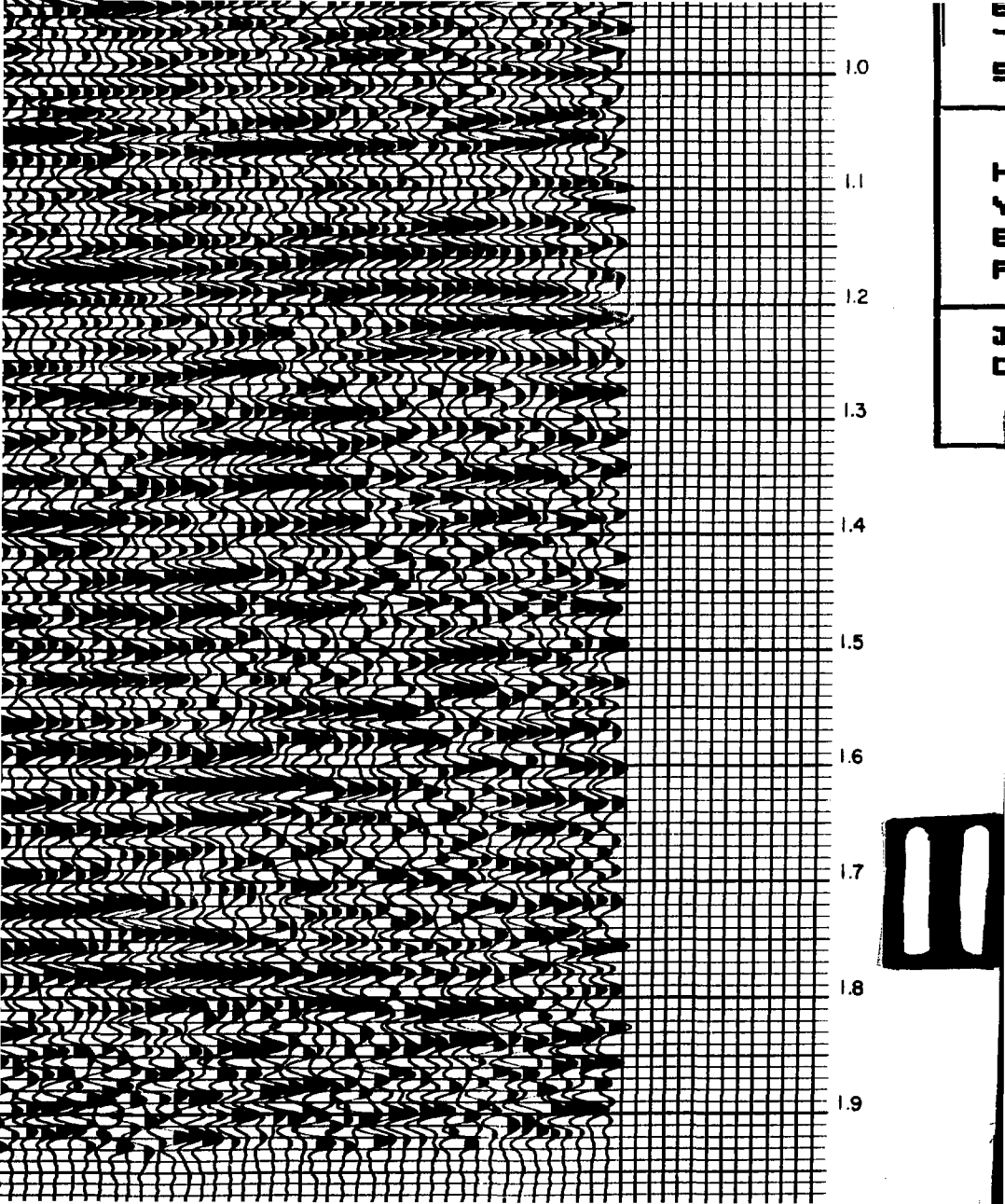
8

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6 AUTO RESID STATICS  
7 12 FOLD STACK  
9 NOISE REJECTION FILTER

DISPLAY PARAMETERS

HORZ SCALE	8 TR/IN
VERT SCALE	10 IN/SEC
ELEV SCALE	100 FT/IN
POLARITY CODE	LEFT+ RIGHT-

JOB NUMBER	6205
COMPLETED	AUG 1978

REF

12

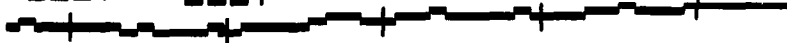
3384

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3396

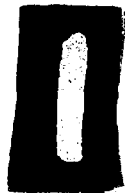


DATUM  
7200

SANDIA Y-3

SANDIA Y-1

VA



172170

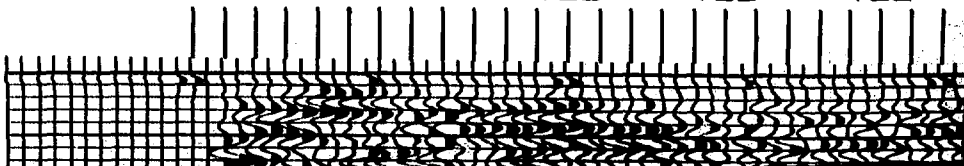
165

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SANDIA Y-5

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SANDIA

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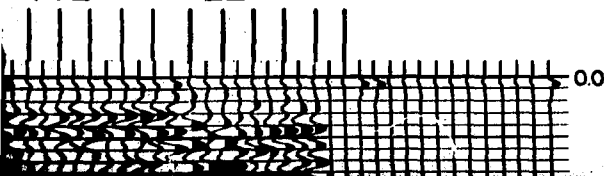


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 DATE SHOT

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**SEISMIC AND DIGITAL  
CONCEPTS, INC.**

**SANDIA LAB.**

**EAST**

<b>AREA</b>	<b>SANDIA</b>
<b>LINE</b>	<b>Y-3</b>
<b>STATE</b>	<b>NEW MEXICO</b>
<b>COUNTY</b>	<b>LEA</b>
<b>DATE SHOT</b>	<b>JULY 2-12 1978</b>

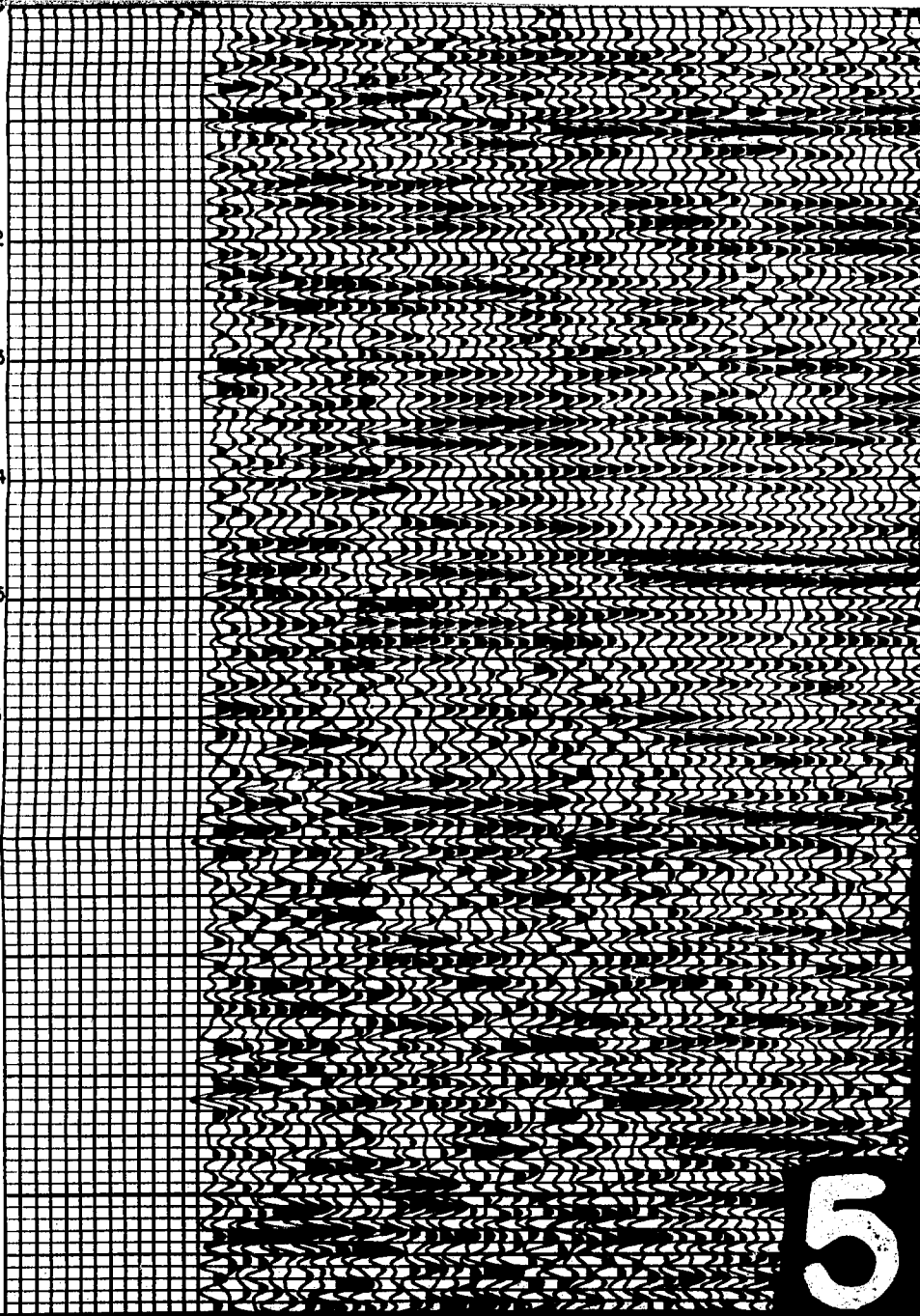
**FIELD PARAMETERS**

**RECORDED BY**



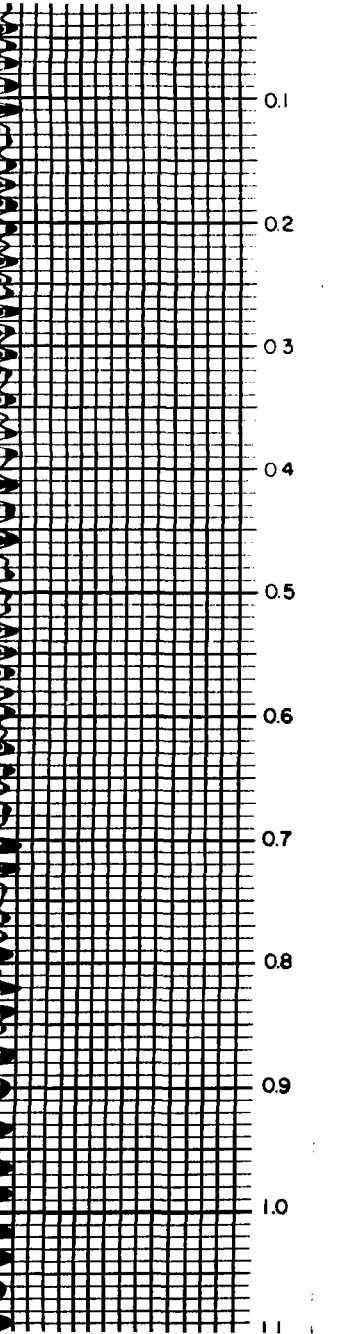
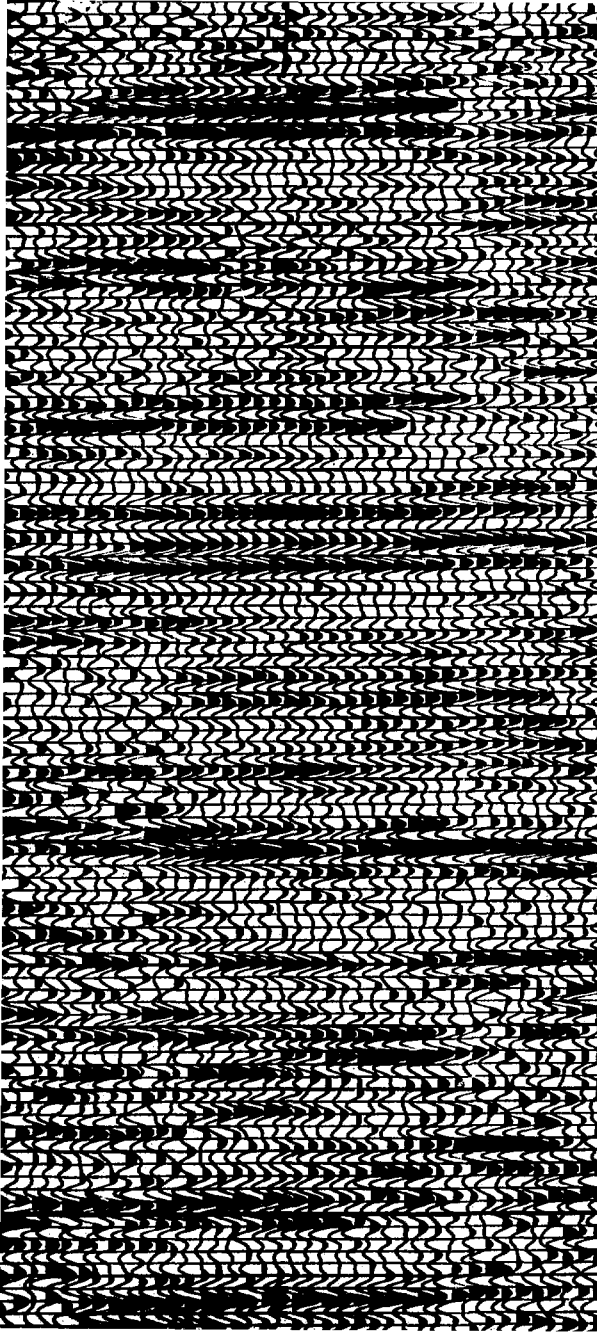
**4**

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CXC, INC.

RECORDED	DIGITAL
INSTRUMENTS	HDDR-4000
ENERGY	VIBRATOR
SWEEP LENGTH	12.0 SEC
SWEEP FREQ	25-100 HZ
LISTEN TIME	4.0 SEC
SAMPLE RATE	2 MS
CABLE	24 TR SPLIT
1430-110-VP-110-1430 FT	
GROUP INT	110 FT
VIBR. INT	110 FT
COVERAGE	12 COP

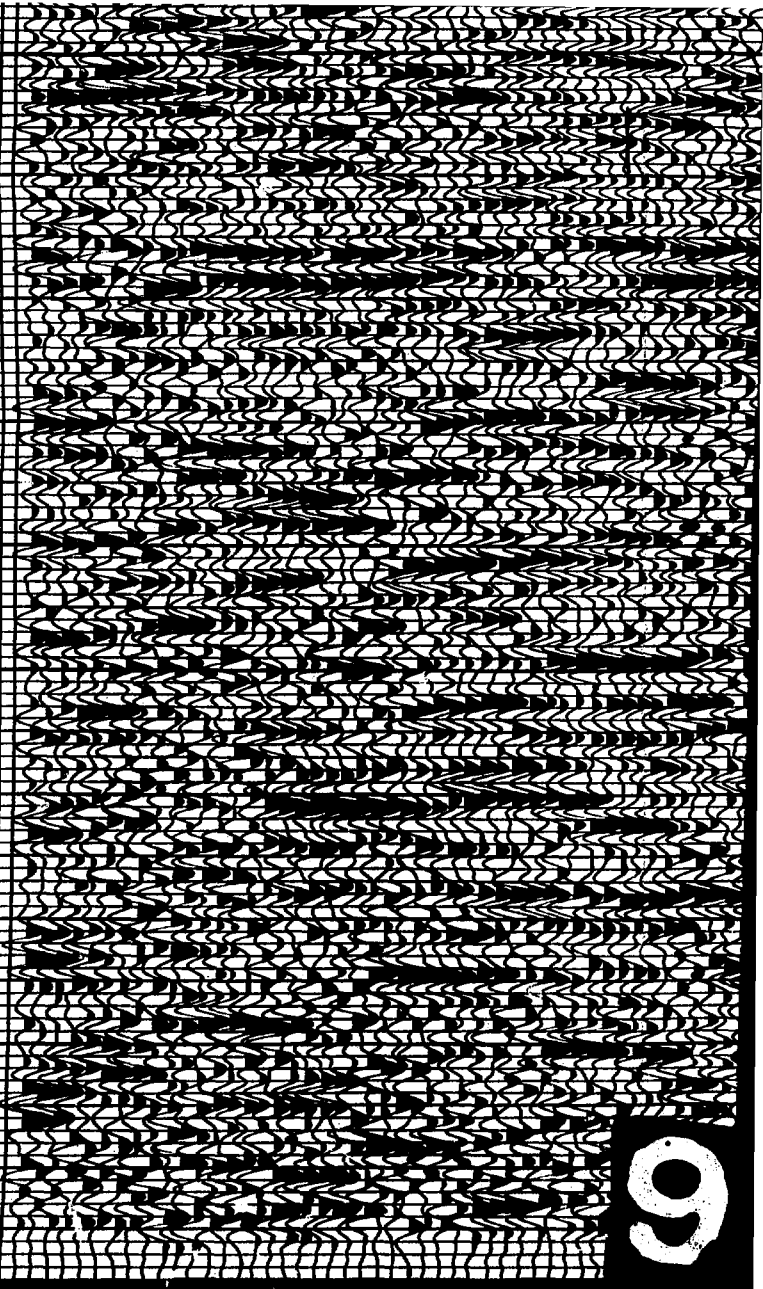
### PROCESSING PARAMETERS

PROCESSED 2.0 SEC 2 MS  
1 SPIKE DECON-TIME VARYING  
0.380-0.700 - GATE 1  
0.800-1.80 - GATE 2  
OPERATOR 100 MS BOTH GATES  
3, 10 TV FILTER  
0.0-0.5 40-90 HZ  
0.7-1.1 30-75 HZ  
1.3-2.0 20-65 HZ  
4 STATICS, NMD, STEP-MUTE  
DATUM 3200 FT ASL  
DATUM VEL 6000 FT/SEC  
VA-VELOCITY ANALYSIS  
5, 8 AGC  
6 AUTO RESID STATICS  
7 12 FOLD STACK  
8 NOISE REJECTION FILTER

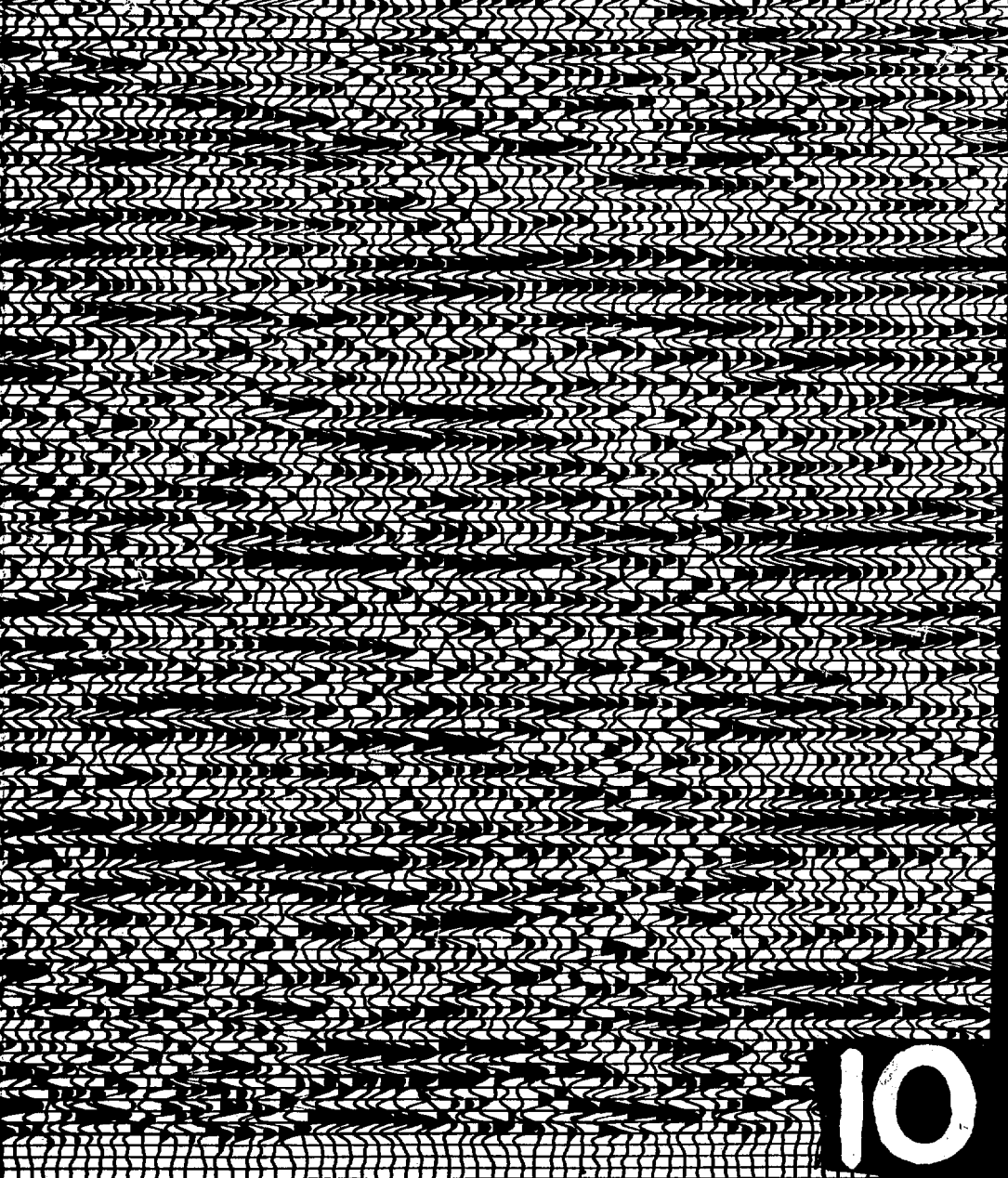
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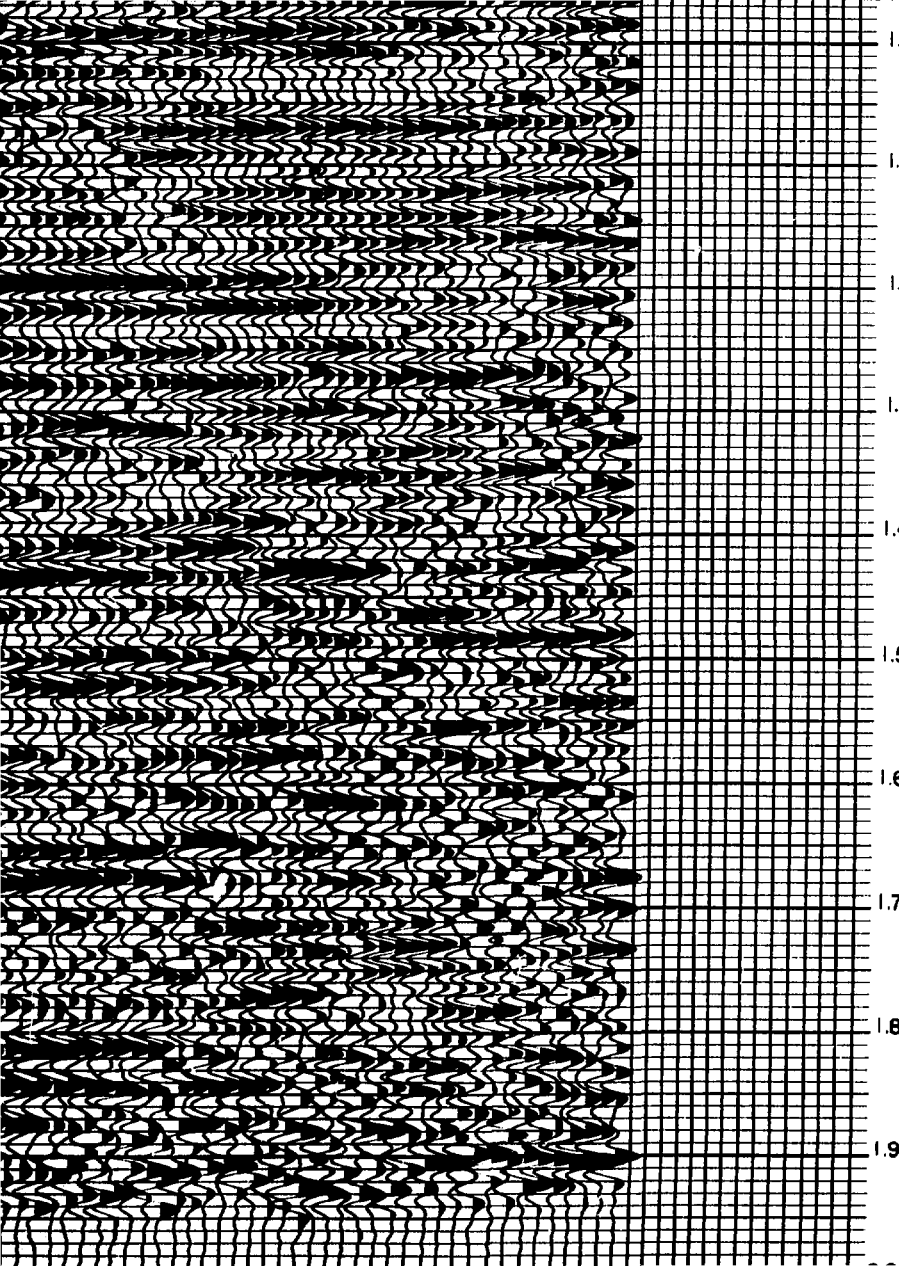
### DISPLAY PARAMETERS

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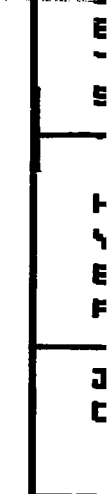
1.5

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6 AUTO RESID STATICS  
7 12 FOLD STACK  
8 NOISE REJECTION FILTER

DISPLAY PARAMETERS

HORZ SCALE	8 TR/IN
VERT SCALE	10 IN/SEC
ELEY SCALE	100 FT/IN
POLARITY CODE	LEFT+ RIGHT-

JOB NUMBER	6199
COMPLETED	AUG 1978

REF

12



DATUM  
1200

SANDIA Y-4

SANDIA Y-1



172170 165 160 155 150

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SANDIA Y-5

SANDIA

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COUNTY  
DATE SHOT

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**SEISMIC AND DIGITAL  
CONCEPTS, INC.**

**SANDIA LAB.**

**EAST**

<b>AREA</b>	<b>SANDIA</b>
<b>LINE</b>	<b>Y-4</b>
<b>STATE</b>	<b>NEW MEXICO</b>
<b>COUNTY</b>	<b>LEA</b>
<b>DATE SHOT</b>	<b>JULY 2-12 1978</b>

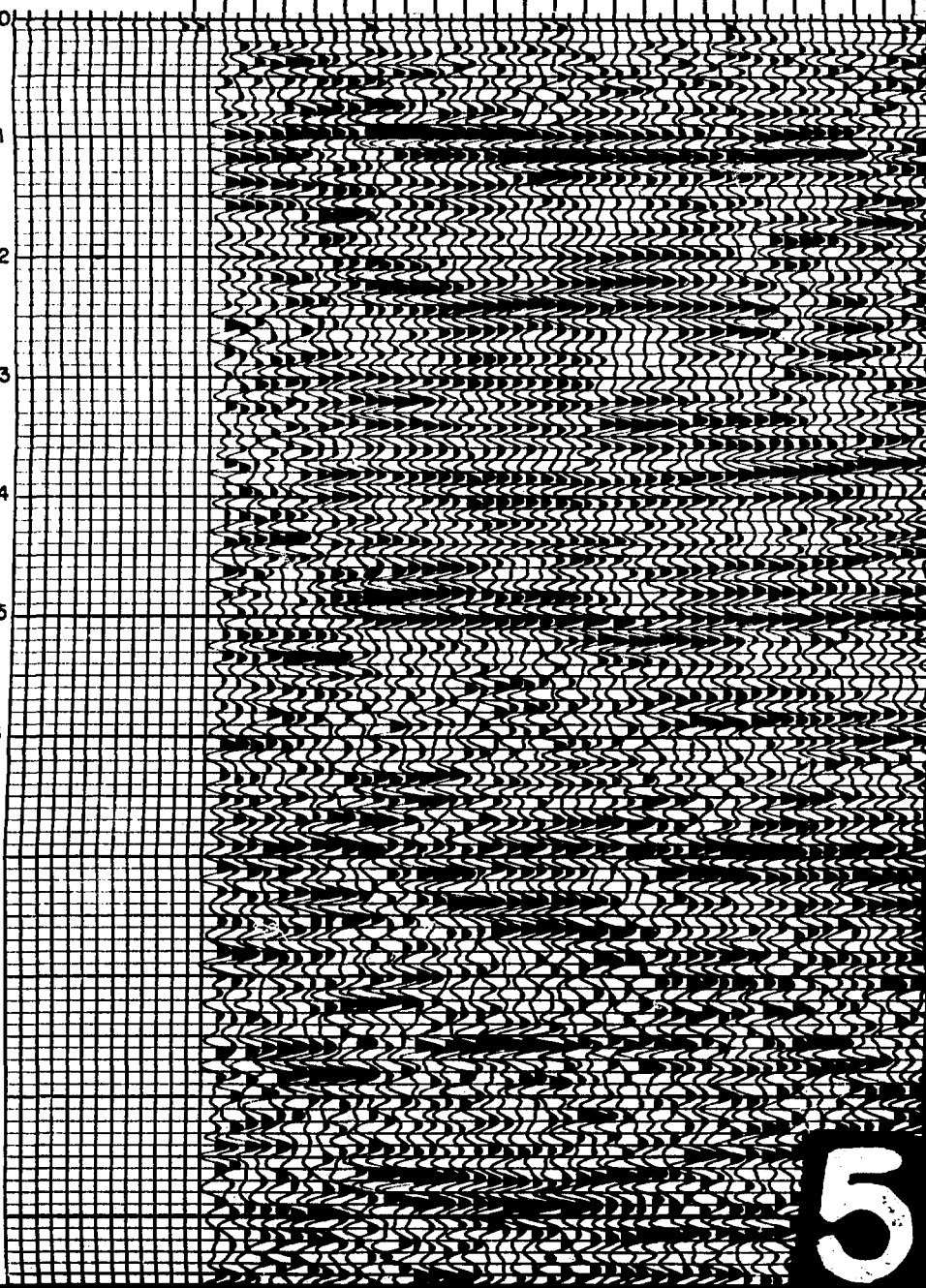
**FIELD PARAMETERS**

**RECORDED BY**



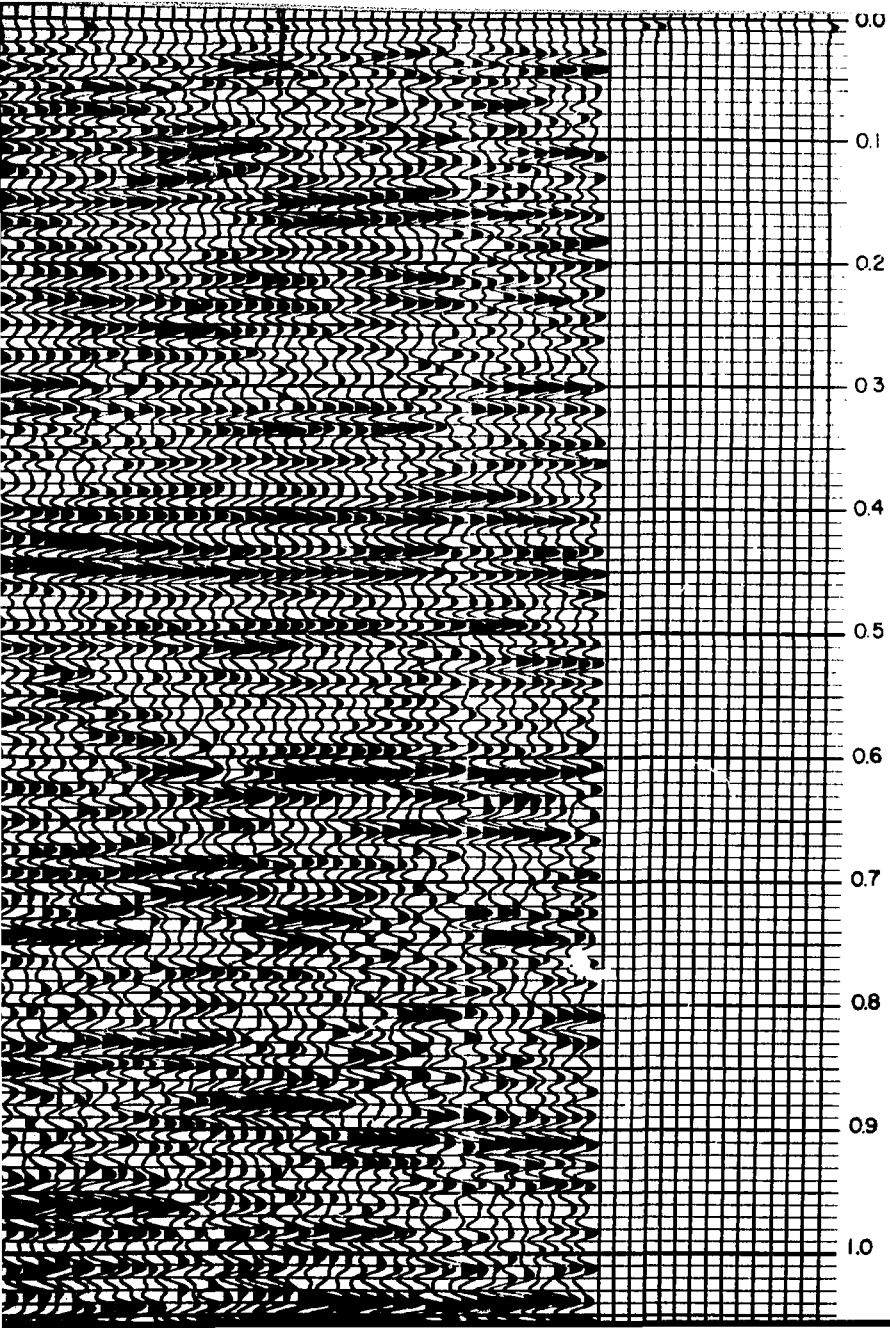
**41**

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CXC, INC.

RECORDED INSTRUMENTS ENERGY SWEEP LENGTH SWEEP FREQ LISTEN TIME SAMPLE RATE CABLE	DIGITAL HOUR-4000 VIBRATOR 12.0 SEC 25-100 HZ 4.0 SEC 2 MS 24 TR SPLIT
1430-110-VP-110-1430 FT	
GROUP INT	110 FT
VIBR. INT	110 FT
COVERAGE	12 CDP

### PROCESSING PARAMETERS

PROCESSED 2.0 SEC 2 MS  
1 SPIKE DECON-TIME VARYING  
0.030-0.700 - GATE 1  
0.600-1.600 - GATE 2  
OPERATOR 100 MS BOTH GATES  
3, 10 TV FILTER  
0.0-0.5 40-80 HZ  
0.7-1.1 30-75 HZ  
1.3-2.0 20-85 HZ  
4 STATICS, NMO, STEP-MUTE  
DATUM 3200 FT ASL  
DATUM VEL 6000 FT/SEC  
VA-VELOCITY ANALYSIS  
5, 8 ABC  
6 AUTO RESID STATICS  
7 12 FOLD STACK  
8 NOISE REJECTION FILTER

8

### DISPLAY PARAMETERS

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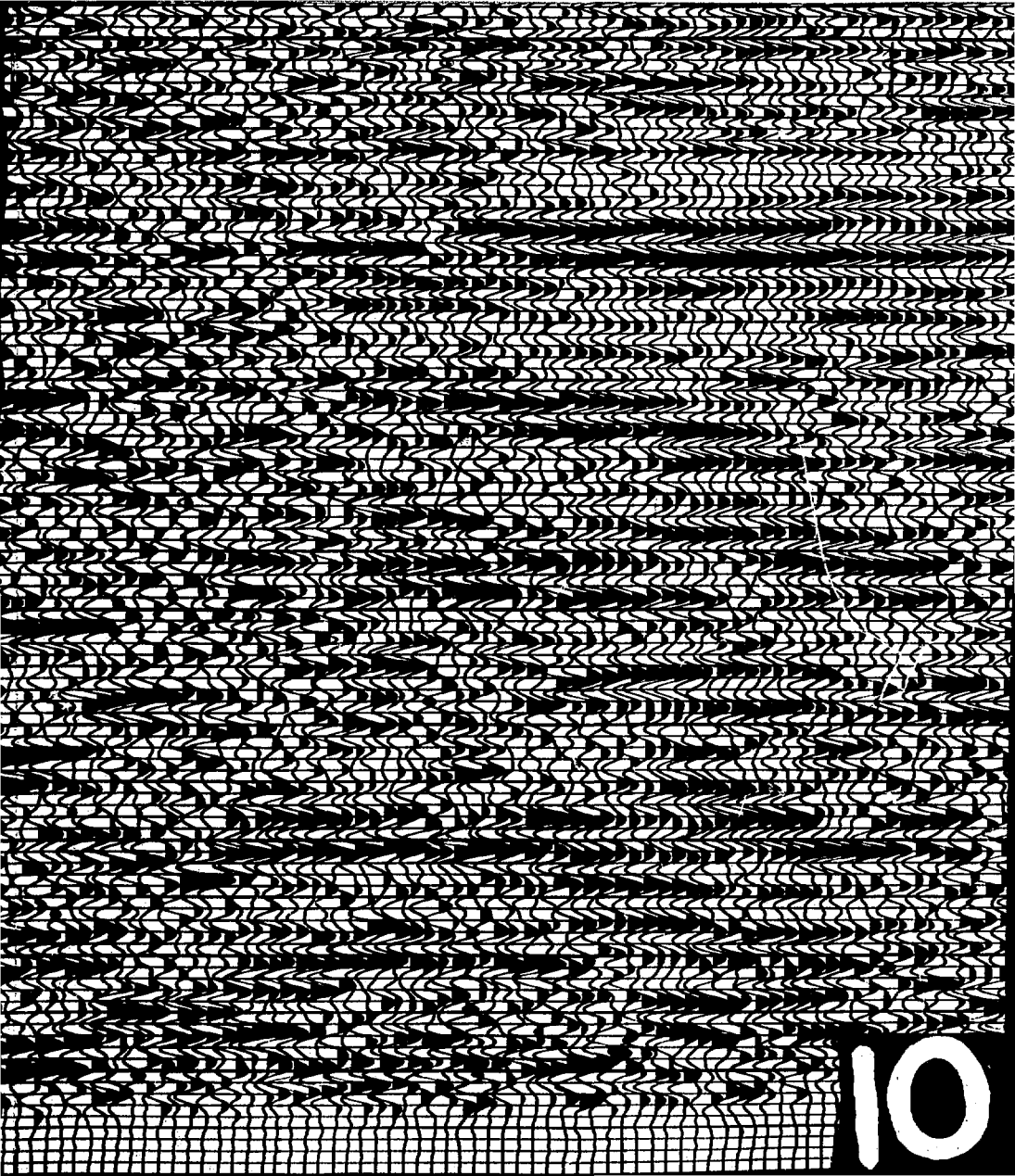
1.6

1.7

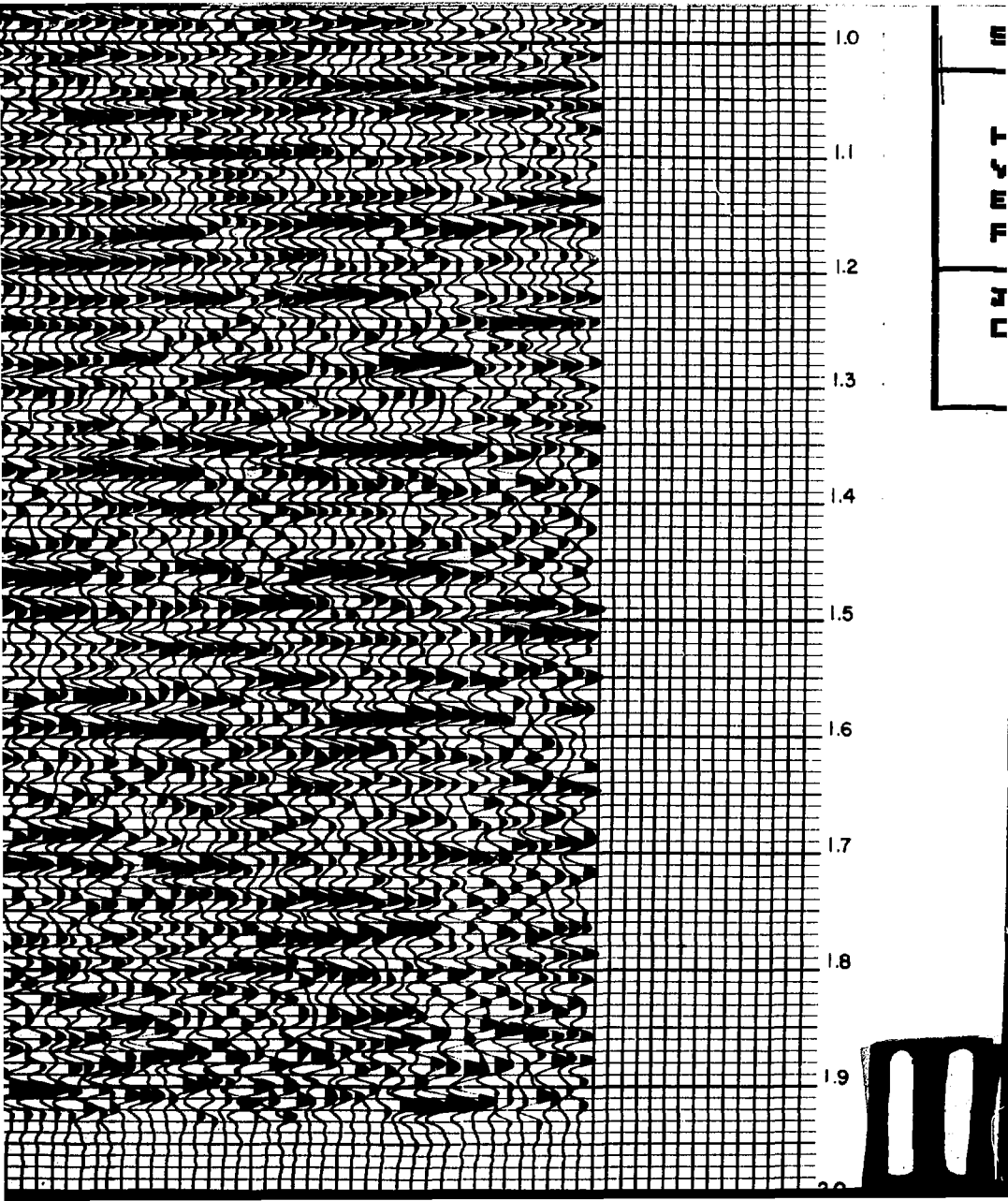
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1. 12 7228 OTHER

**NOISE REJECTION FILTER**

**DISPLAY PARAMETERS**

HORZ SCALE	8 TR/IN
VERT SCALE	10 IN/SEC
ELEV SCALE	100 FT/IN
POLARITY CODE	LEFT+ RIGHT-

JOB NUMBER	5206
COMPLETED	AUG 1978

REF

12

3410

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341



IRATUM  
1200

SANDIA Y-3

SANDIA Y-5

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RA Y-4

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3



SEISM

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AREA  
 LINE  
 STATE  
 COUNTY  
 DATE SHOT

FIELD

REC





**SEISMIC AND DIGITAL  
CONCEPTS, INC.**

**SANDIA LAB.**

**NORTH**

<b>AREA</b>	<b>SANDIA</b>
<b>LINE</b>	<b>Y-5</b>
<b>STATE</b>	<b>NEW MEXICO</b>
<b>COUNTY</b>	<b>LEA</b>
<b>DATE SHOT</b>	<b>JULY 2-12 1978</b>

**FIELD PARAMETERS**

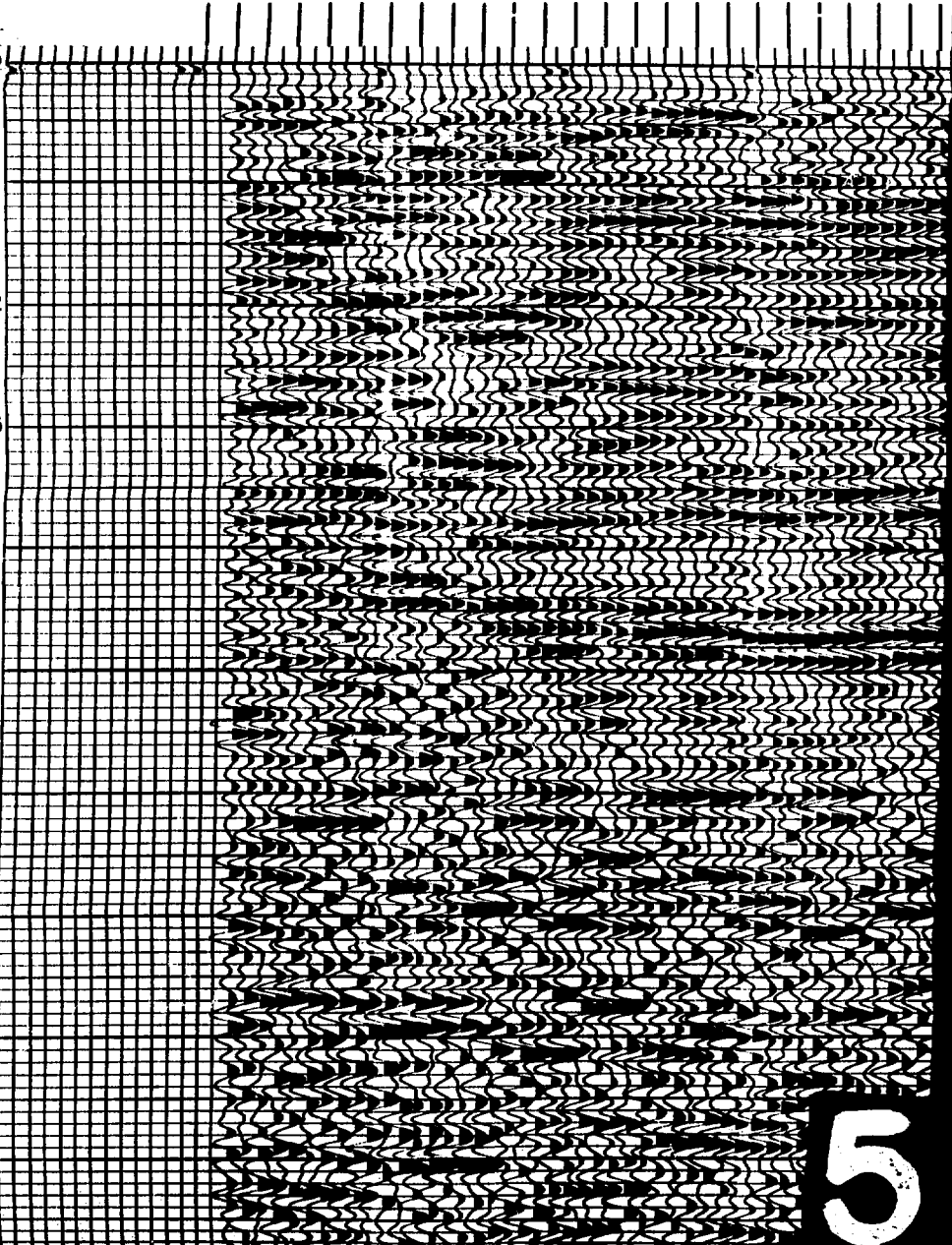
**RECORDED BY**



**4**

101 105 110 115 120 125

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0.8  
0.9



5

125

130

135

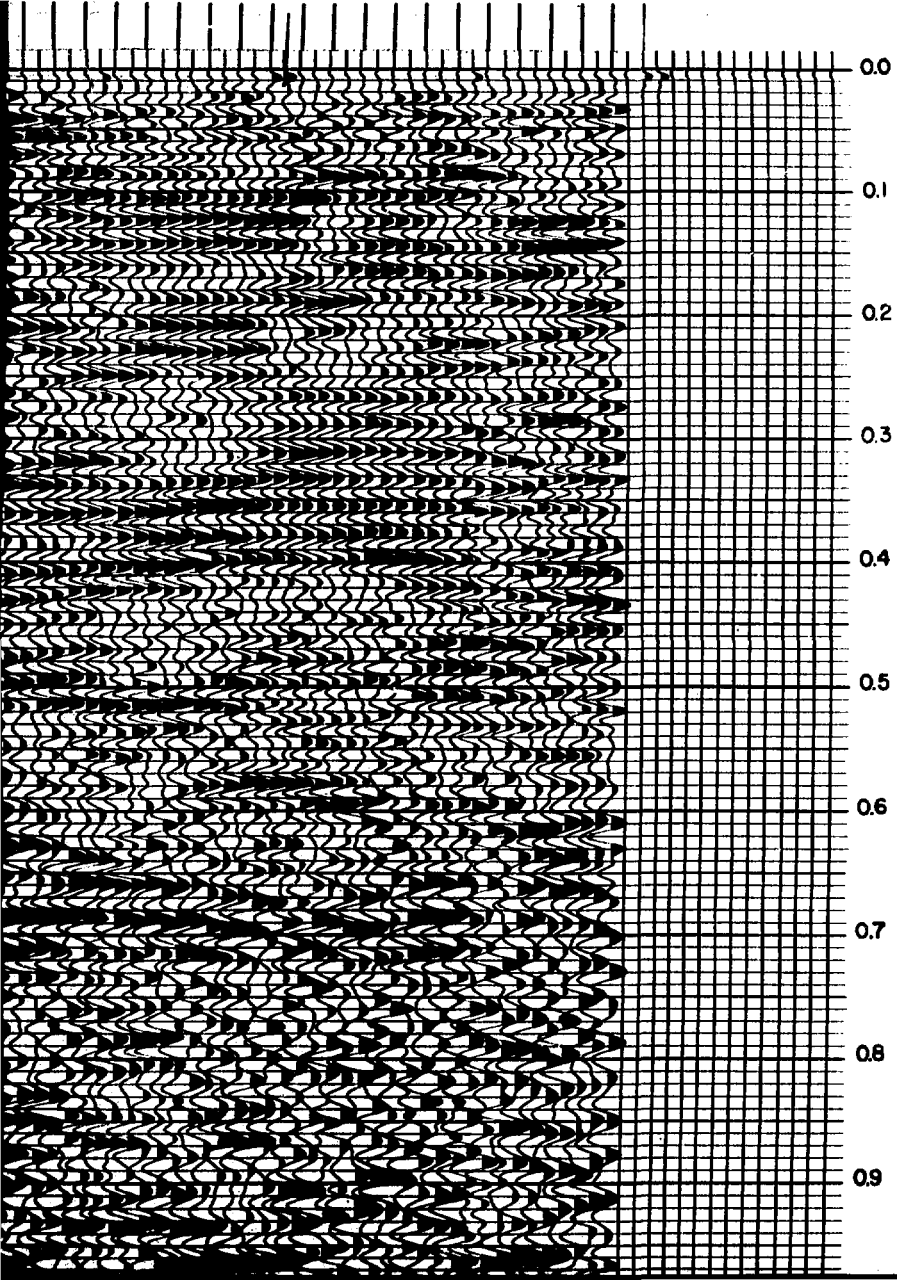
140

145

150

155

6



0.0  
0.1  
0.2  
0.3  
0.4  
0.5  
0.6  
0.7  
0.8  
0.9

REC  
INS  
ENR  
SW  
SW  
LIS  
SAR  
CAR  
  
GRD  
VIL  
CO

PRE  
I  
  
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+

7





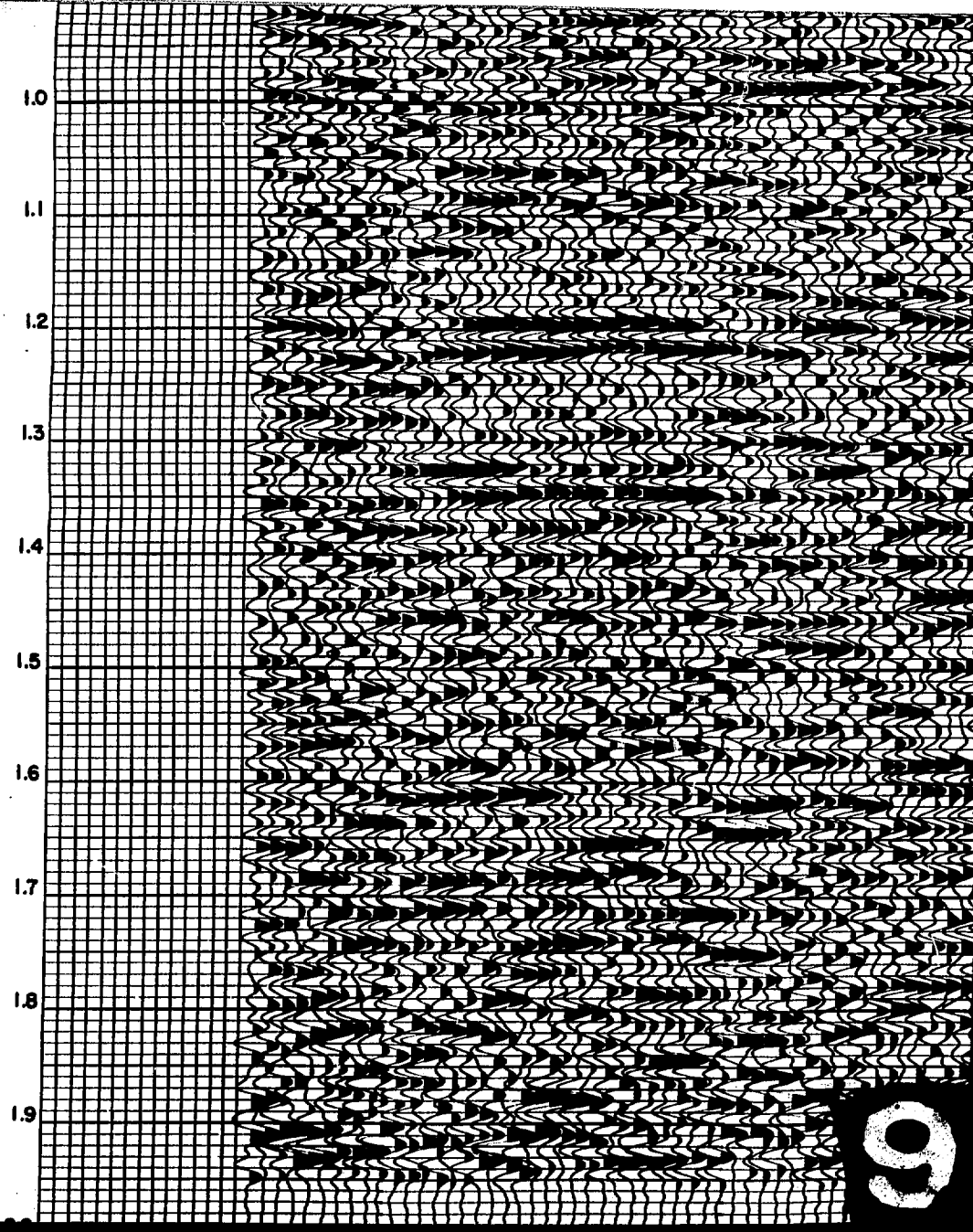
CXC, INC.

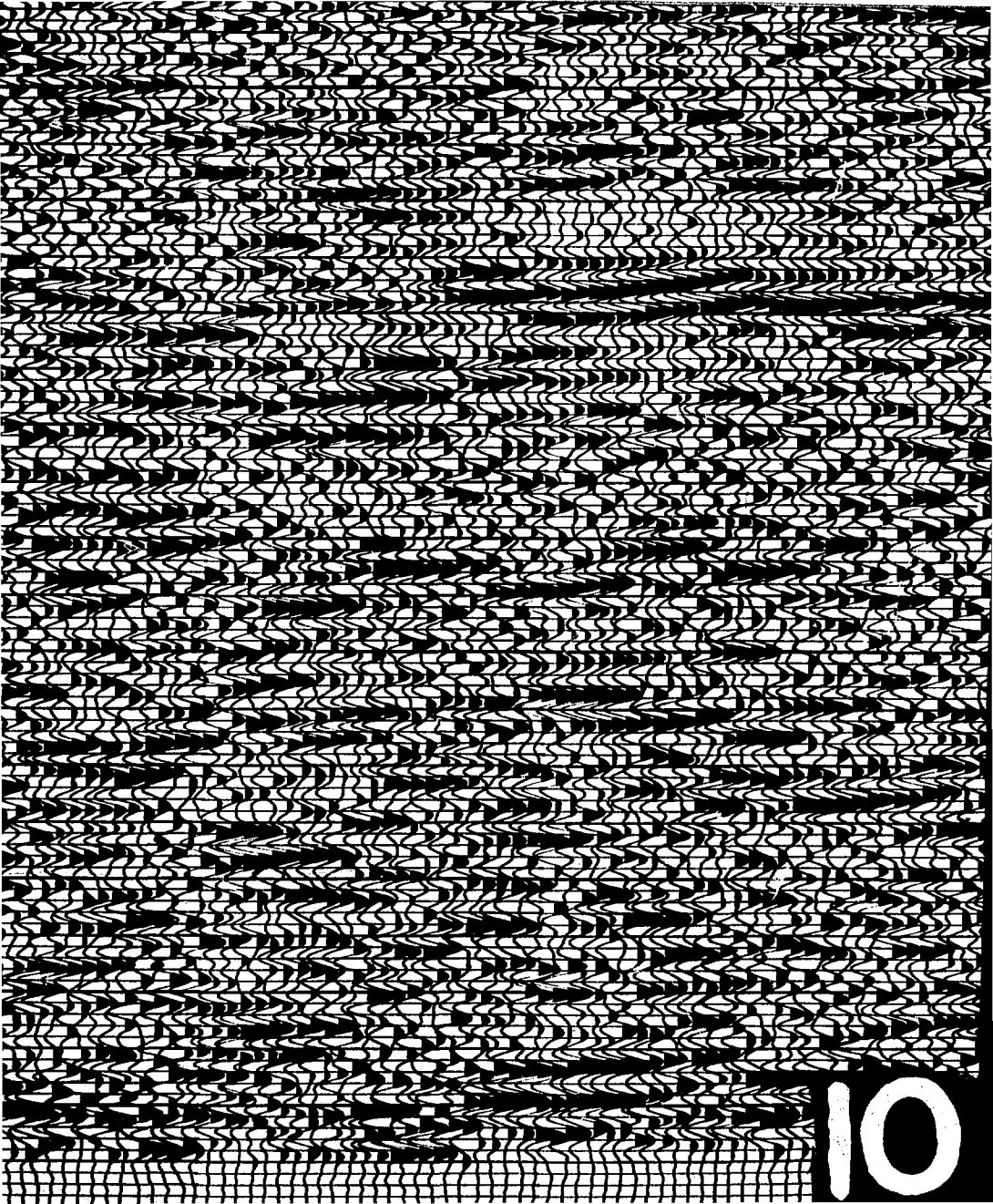
RECORDED	DIGITAL
INSTRUMENTS	MODR-4000
ENERGY	VIBRATOR
SWEEP LENGTH	12.0 SEC
SWEEP FREQ	25-100 HZ
LISTEN TIME	4.0 SEC
SAMPLE RATE	2 MS
CABLE	24 TR SPLIT
1430-110-VF-110-1430 FT	
GROUP INT	110 FT
VIBR. INT	110 FT
COVERAGE	12 CDP

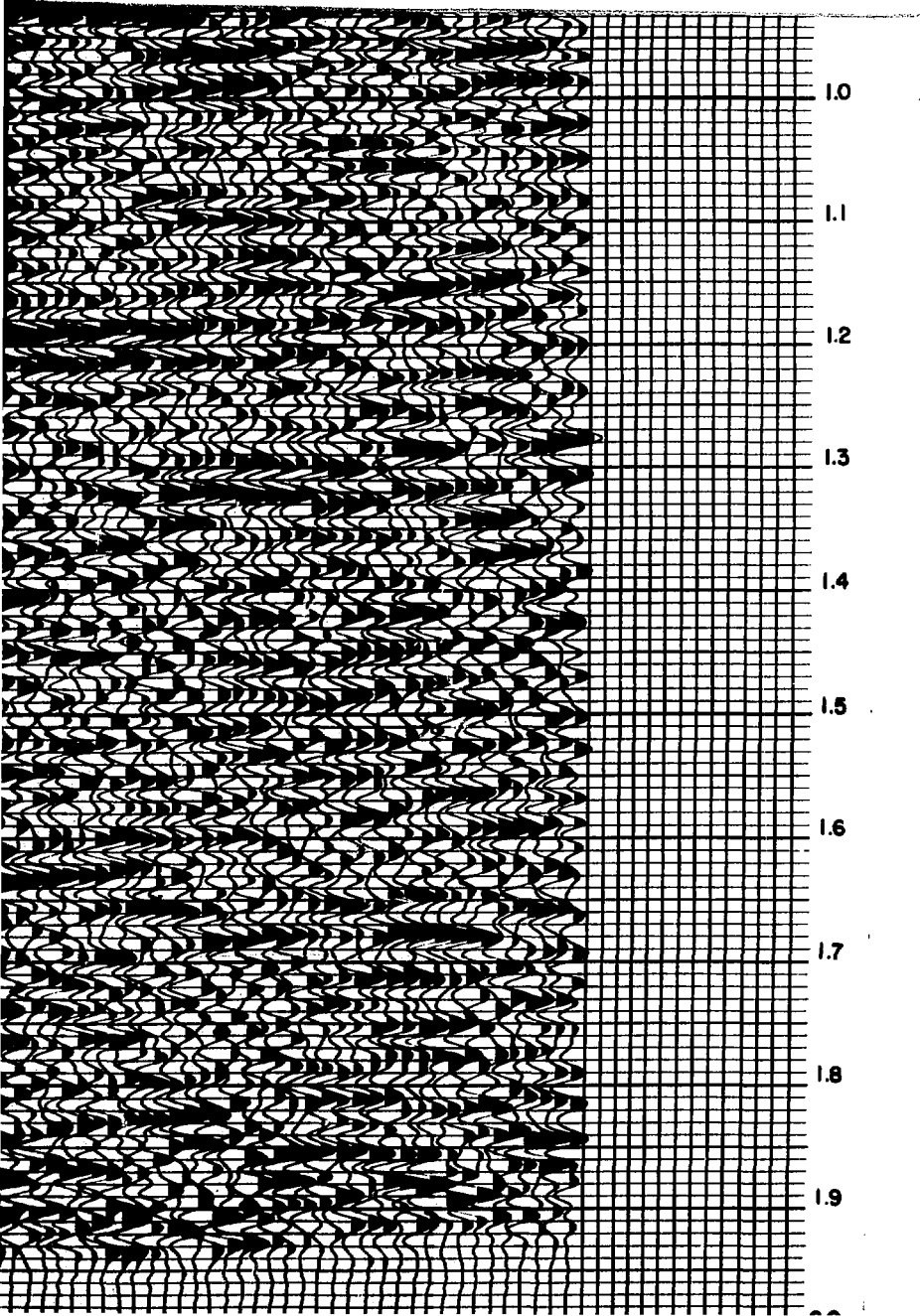
### PROCESSING PARAMETERS

PROCESSED 2.0 SEC 2 MS  
1 SPIKE DECON-TIME VARYING  
0.030-0.700 - GATE 1  
0.600-1.80 - GATE 2  
OPERATOR 100 MS BOTH GATES  
3, 10 TV FILTER  
0.0-0.5 40-90 HZ  
0.7-1.1 30-75 HZ  
1.3-2.0 20-65 HZ  
4 STATICS, NMO, STEP-MUTE  
DATUM 3200 FT ASL  
DATUM VEL 6000 FT/SEC  
VA-VELOCITY ANALYSIS  
5, 8 AGC  
6 AUTO RESID STATICS  
7 12 FOLD STACK

8







1.0

1.1

1.2

1.3

1.4

1.5

1.6

1.7

1.8

1.9

6 7  
7 12  
8 20

HORZ  
VER  
ELE  
POL

JOB  
COM



6 AUTO REVERSE SWITCH  
7 12 FOLD STACK  
8 NOISE REJECTION FILTER

DISPLAY PARAMETERS

HORZ SCALE	8 TR/IN
VERT SCALE	10 IN/SEC
ELEV SCALE	100 FT/IN
POLARITY CODE	LEFT+ RIGHT-

JOB NUMBER	6207
COMPLETED	AUG 1978

REF

12