

UNION GEOTHERMAL
 SEISMIC BASE MAP
STILLWATER AREA
 CHURCHILL COUNTY, NEVADA
 SCALE 1:24,000
 0 1000 2000 3000 4000 5000 6000 7000 FEET
 GEOPHYSICAL SERVICE INC.

118°35'

1,760,000
39°35'

1,760,000
39°35'

1,750,000

1,750,000

1,740,000

1,740,000

500,000

500,000

R30E
R31E

R30E
R31E

T20N
T19N

LINE 2

LINE 3

LINE 3

LINE 4

LINE 4

23

24

19

20

26

25

30

29

35

36

31

32

2

1

6

5

11

12

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270

260

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220

210

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190

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170

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110

100

101

110

120

130

140

150

160

170

180

190

200

210

220

230

240

250

260

270

275

UNION
GEOTHERMAL
STILLWATER
FALLON NEVADA

LINE 2

SHOTPOINTS 101 TO 291

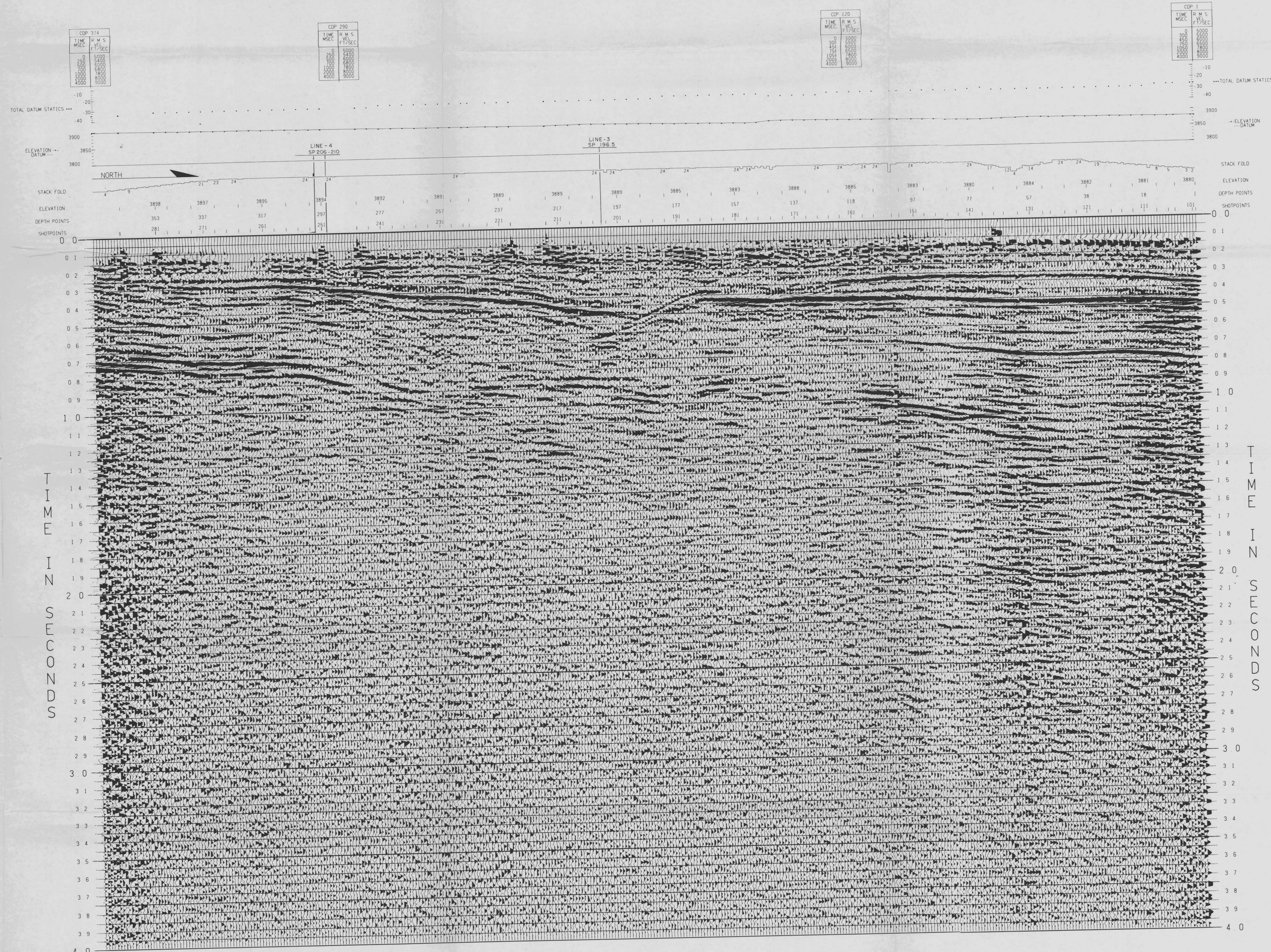
RELATIVE AMPLITUDE STACK

FIELD DATA

FIELD CREW GSI PARTY 1740
DATE SHOT OCTOBER 20 - 21, 1979
ENERGY SOURCE VIBROSEIS
SWEEP 12 HZ - 56 HZ
VP INTERVAL 16
NUMBER OF SWEEPS/VP 220 FT
SOURCE ARRAY INLINE
RECEIVER ARRAY INLINE
NO. OF GEOPHONES/GROUP 24
RECEIVER INTERVAL 110 FT
SPREAD DIMENSIONS 1500-330-X-330-5500
NUMBER OF TRACES 96
RECORDING INSTRUMENTS DFS V
RECORDING FILTERS LOW
GAIN CONTROL HIGH
SAMPLE RATE 2 MSEC
RECORD LENGTH 16 SECONDS
MULTIPLICITY 24 FOLD

DIGITAL PROCESSING

1. VERTICAL STACK
NUMBER OF SWEEPS(POPS) STACKED = ---
STRAIGHT DIVERSITY --- GATE LENGTH = --- MSEC
CORRELATION MINIMUM PHASE X ZERO PHASE ---
2. CROOKED LINE PROCESSING
SEARCH RADIUS = --- FT
MAXIMUM FOLD = ---
TRUE AMPLITUDE RECOVERY
ALPHA = 6 DB/SEC TIME = 0 TO 3.0 SEC
VELOCITY FILTER
POSITIVE CUT --- FT/SEC
NEGATIVE CUT --- FT/SEC
3. DECONVOLUTION
DESIGNATURE SPOKING X GAPPED ---
NUMBER OF OPERATORS
OPERATOR LENGTH = 250 MSEC
WHITE NOISE LEVEL = 10 PERCENT
GAP = MSEC NXING = ---
4. TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS ---
GATE LENGTH(S) MSEC 100.0
5. DATUM STATICS APPLICATION
DATUM = 3800 FT
REPLACEMENT VELOCITY = 6000 FT/SEC
6. VELOCITY EVALUATION
FUNCTIONS REFERENCED TO DATUM ---
NUMBER OF CDP'S/LOCATION = 90
NUMBER OF LOCATIONS = 216(velocities)
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS X
7. RESIDUAL STATICS COMPUTATIONS
TIME AND SPACE VARIANT GATES
VELOCITY EVALUATION
FUNCTIONS REFERENCED TO ---
NUMBER OF CDP'S/LOCATION = ---
NUMBER OF LOCATIONS = ---
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS ---
8. NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION
9. CDP STACK SUPPRESSION RAMP
OFFSET(FT) TIME(MSEC)
550 200
5500 1200
10. COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY SORT ---
11. TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)
7-50 CDP ALL
12. TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS ---
GATE LENGTH(S) MSEC
WAVE EQUATION MIGRATION
DIP FILTER
POSITIVE CUT = --- MSEC/TRACE
NEGATIVE CUT = --- MSEC/TRACE
13. DISPLAY
TRACES/INCH = 12 INCHES/SECOND = 5
POLARITY NORMAL X REVERSED ---
BIAS 10 PERCENT



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UNIONS2

UNION
GEOTHERMAL
STILLWATER
FALLON NEVADA

LINE 2

SHOTPOINTS 101 TO 291

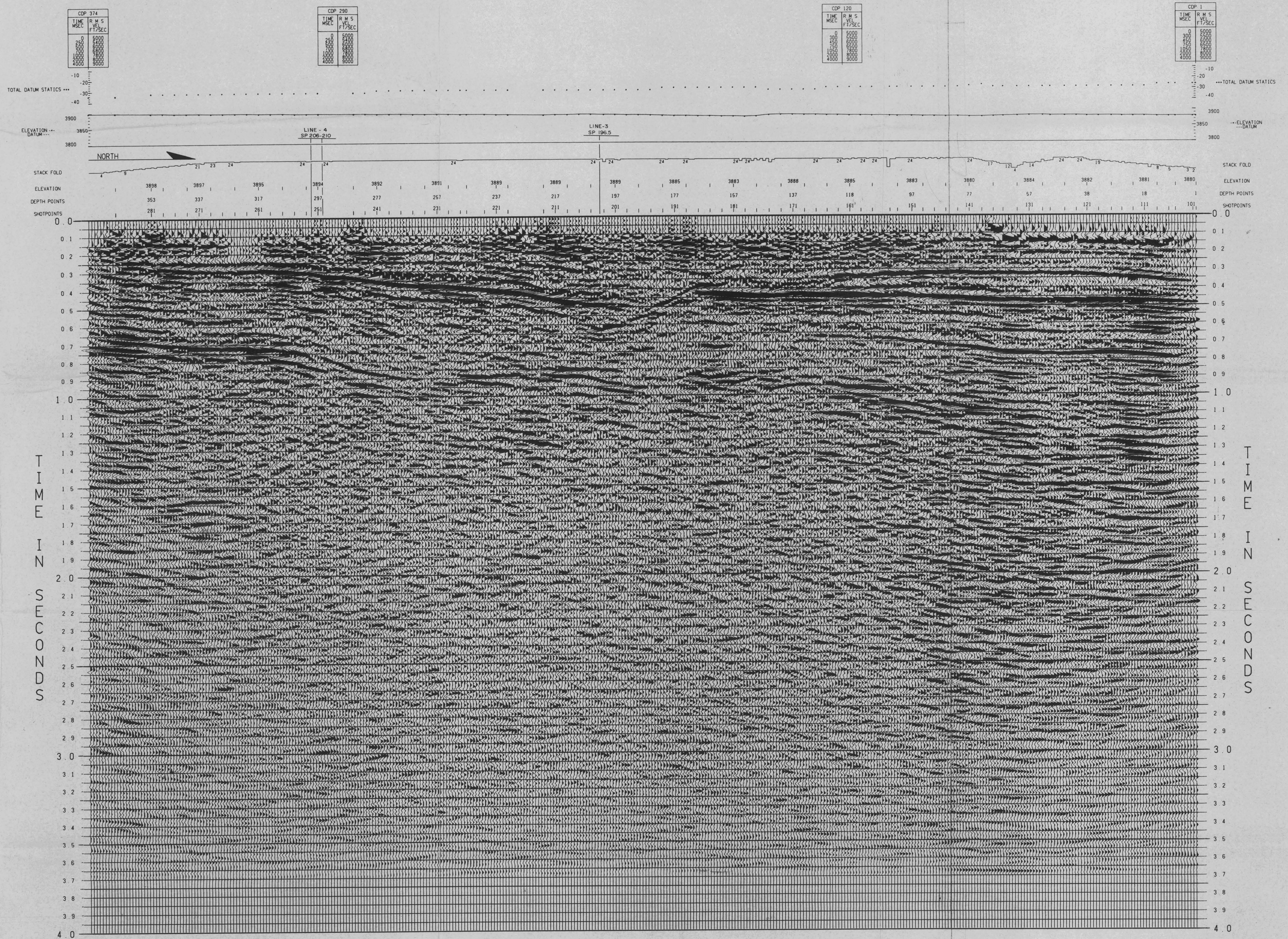
MIGRATED FINAL STACK

FIELD DATA

FIELD CREW GSI PARTY 1740
DATE SHOT OCTOBER 20 - 21, 1979
ENERGY SOURCE VIBROSEIS
SWEEP 12 HZ - 56 HZ
NUMBER OF SWEEPS/VP 16
VP INTERVAL 220 FT
SOURCE ARRAY INLINE
RECEIVER ARRAY INLINE
NO OF GEOPHONES/GROUP 24
RECEIVER INTERVAL 110 FT
SPREAD DIMENSIONS 5500-330-X-330-5500
NUMBER OF TRACES 96
RECORDING INSTRUMENTS 0'S V
RECORDING FILTERS LOW 8 HZ
HIGH 64 HZ
GAIN CONTROL
SAMPLE RATE 2 MSEC
RECORD LENGTH 16 SECONDS
MULTIPLICITY 24 FOLD

DIGITAL PROCESSING

- VERTICAL STACK
NUMBER OF SWEEPS(POPS) STACKED = ---
STRAIGHT --- GATE LENGTH = --- MSEC
DIVERSITY ---
- CORRELATION
MINIMUM PHASE X ZERO PHASE ---
- CROOKED LINE PROCESSING
SEARCH RADIUS = --- FT
MAXIMUM FOLD ---
- TRUE AMPLITUDE RECOVERY
ALPHA = 6 DB/SEC TIME = 0.0 TO 3.0 SEC
- VELOCITY FILTER
POSITIVE CUT --- FT/SEC
NEGATIVE CUT --- FT/SEC
- DECONVOLUTION
DESIGNATURE SPIKING X GAPPED ---
NUMBER OF OPERATORS = 1
OPERATOR LENGTH = 256 MSEC
WHITE NOISE LEVEL = 10 PERCENT
GAP --- MSEC NXING = ---
- TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS ---
GATE LENGTH(S) MSEC 500
- DATUM STATICS APPLICATION
DATUM = 3800 FT
REPLACEMENT VELOCITY = 6000 FT/SEC
- VELOCITY EVALUATION
FUNCTIONS REFERENCED TO DATUM ---
NUMBER OF CDP'S/LOCATION = 90
NUMBER OF LOCATIONS = 2 @ (velocities)
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN ---
- RESIDUAL STATICS COMPUTATIONS
TIME AND SPACE VARIANT GATES
- VELOCITY EVALUATION
FUNCTIONS REFERENCED TO ---
NUMBER OF CDP'S/LOCATION = ---
NUMBER OF LOCATIONS = ---
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS ---
- NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION
- CDP STACK SUPPRESSION RAMP
OFFSET(FT) TIME(MSEC)
550 200
5500 1200
- COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY SQRT ---
- TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)
7-50 CDP ALL
- TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS ---
GATE LENGTH(S) MSEC 500
- WAVE EQUATION MIGRATION
- DIP FILTER
POSITIVE CUT = --- MSEC/TRACE
NEGATIVE CUT = --- MSEC/TRACE
- DISPLAY
TRACES/INCH = 12 INCHES/SECOND = 5
POLARITY NORMAL X REVERSED ---
BIAS 10 PERCENT



GEOPHYSICAL SERVICE INC

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LINE 2

SHOTPOINTS 101 TO 291

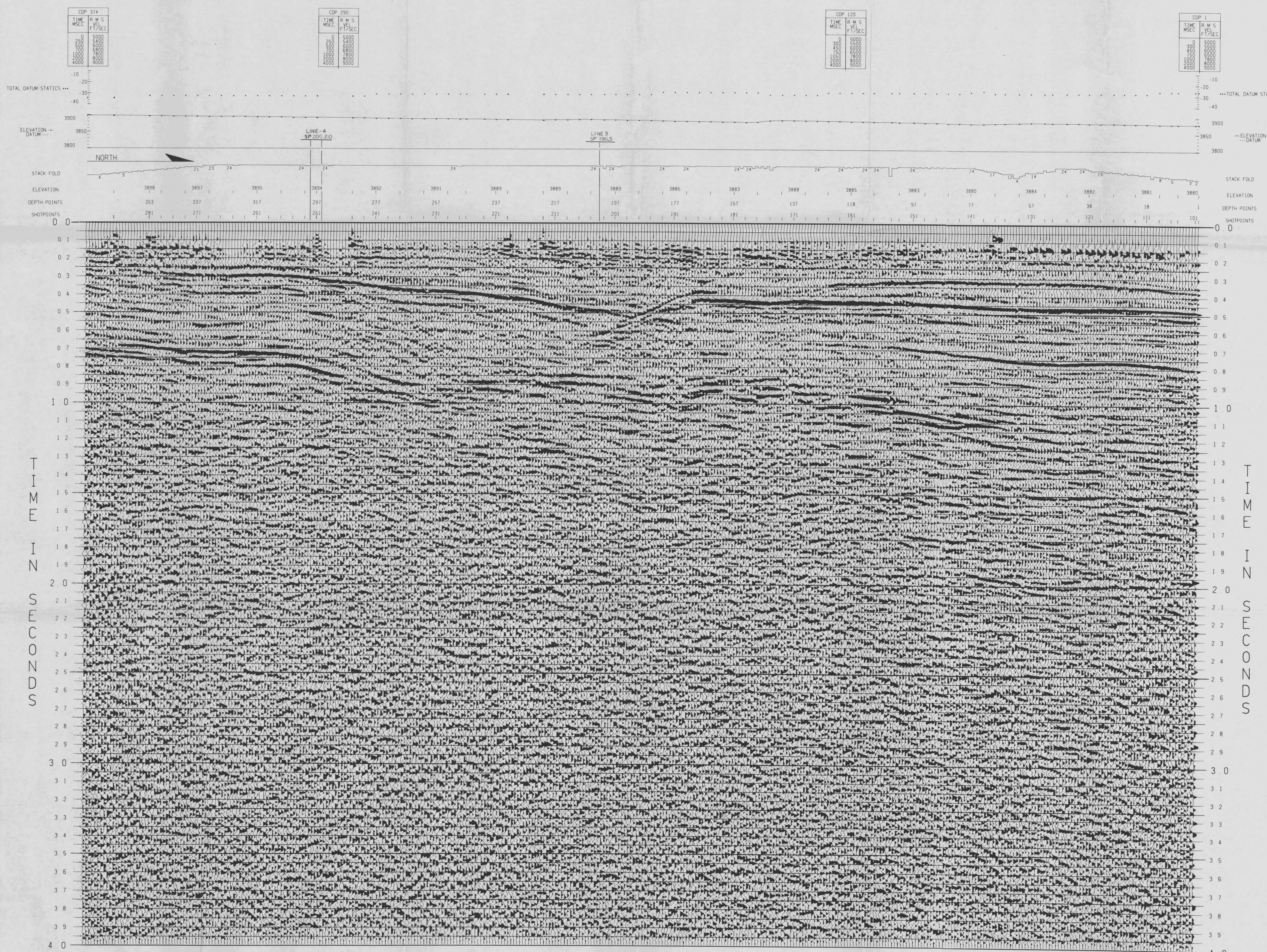
SCALED FINAL STACK

FIELD DATA

FIELD CREW GSI PARTY 1740
DATE SHOT OCTOBER 20 - 21, 1979
ENERGY SOURCE VIBROSEIS
SWEEP 12 HZ - 56 HZ
NUMBER OF SWEEPS/VP 16
VP INTERVAL 220 FT
SOURCE ARRAY INLINE
RECEIVER ARRAY INLINE
NO. OF GEOPHONES/GROUP 24
RECEIVER INTERVAL 110 FT
SPREAD DIMENSIONS 5500-330-X-330-5500
NUMBER OF TRACES 96
RECORDING INSTRUMENTS DFS V
RECORDING FILTERS LOW 8 HZ
HIGH 64 HZ
GAIN CONTROL
SAMPLE RATE 2 MSEC
RECORD LENGTH 16 SECONDS
MULTIPLICITY 24 FOLD

DIGITAL PROCESSING

----- VERTICAL STACK
NUMBER OF SWEEPS(POPS) STACKED = ---
STRAIGHT
DIVERSITY --- GATE LENGTH = --- MSEC
1. CORRELATION
MINIMUM PHASE X ZERO PHASE ---
CROOKED LINE PROCESSING
SEARCH RADIUS = --- FT
MAXIMUM FOLD = ---
2. TRUE AMPLITUDE RECOVERY
ALPHA = 6 DB/SEC TIME= Q TO 3. SEC
VELOCITY FILTER
POSITIVE CUT --- FT/SEC
NEGATIVE CUT --- FT/SEC
3. DECONVOLUTION
DESIGNATURE SPIKING X GAPPED ---
NUMBER OF OPERATORS
OPERATOR LENGTH = 256 MSEC
WHITE NOISE LEVEL = 10 PERCENT
GAP = --- MSEC NXING = ---
4. TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS...
GATE LENGTH(S) MSEC 500
5. DATUM STATICS APPLICATION
DATUM 3800 FT
REPLACEMENT VELOCITY = 6000 FT/SEC
6. VELOCITY EVALUATION
FUNCTIONS REFERENCED TO DATUM
NUMBER OF CDPS/LOCATION = 20
NUMBER OF LOCATIONS = 116(velocities)
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS X
7. RESIDUAL STATICS COMPUTATIONS
TIME AND SPACE VARIANT GATES
VELOCITY EVALUATION
FUNCTIONS REFERENCED TO ---
NUMBER OF CDPS/LOCATION = ---
NUMBER OF LOCATIONS = ---
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS ---
8. NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION
9. CDP STACK SUPPRESSION RAMP
OFFSET(FT) TIME(MSEC)
550 CDP ALL ---
1500 1200 ---
10. COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY --- SORT ---
11. TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)
7-50 CDP ALL ---
12. TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS...
GATE LENGTH(S) MSEC 500
WAVE EQUATION MIGRATION
DIP FILTER
POSITIVE CUT = --- MSEC/TRACE
NEGATIVE CUT = --- MSEC/TRACE
13. DISPLAY
TRACES/INCH = 12 INCHES/SECOND = 5
POLARITY NORMAL X REVERSED ---
BIAS 10 PERCENT



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LINE 3

SHOTPOINTS 113 TO 263

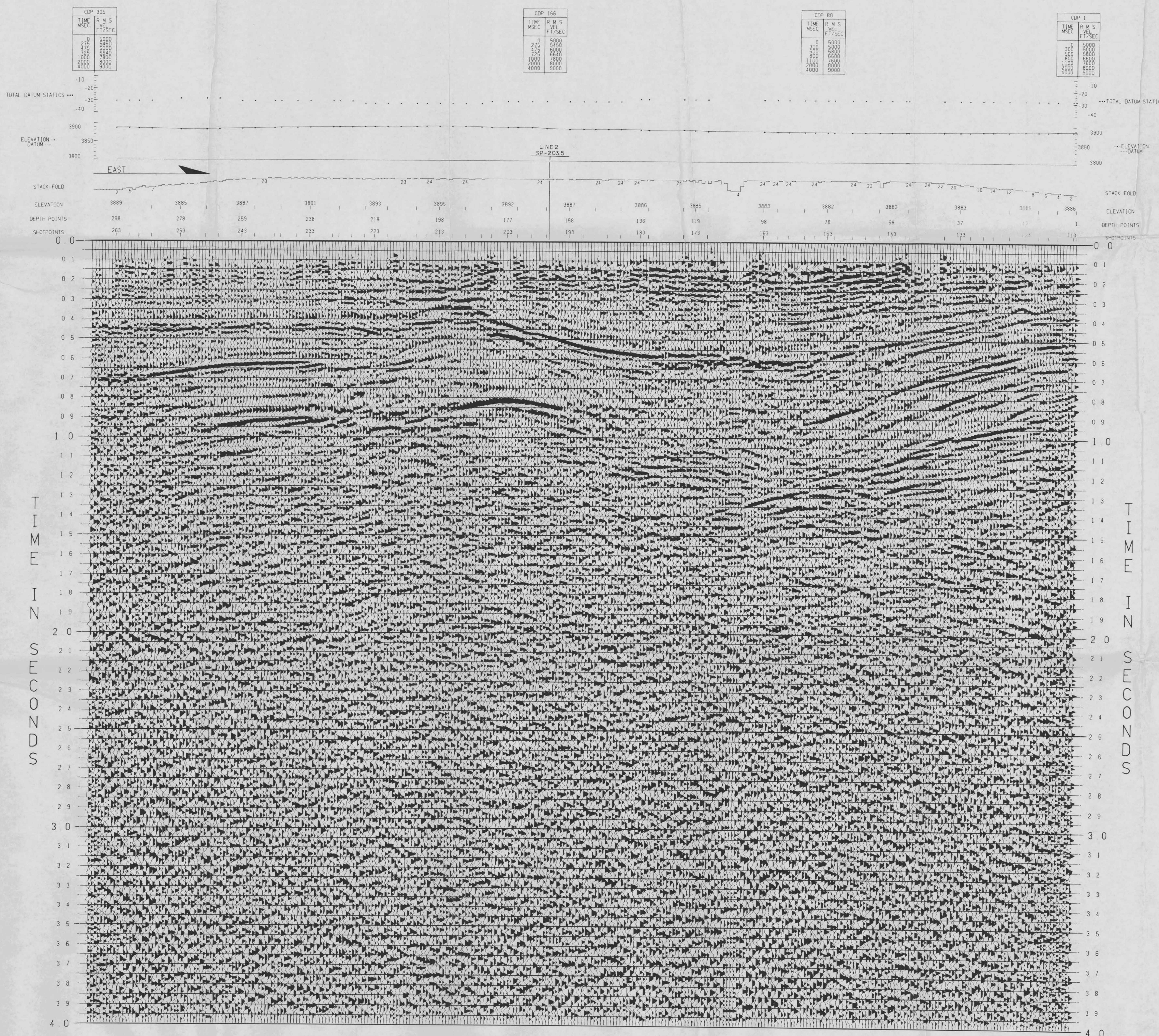
SCALED FINAL STACK

FIELD DATA

FIELD CREW GSI PARTY 1740
DATE SHOT OCTOBER 21 - 22, 1979
ENERGY SOURCE VIBROSEIS
SWEEP 12 HZ - 56 HZ
NUMBER OF SWEEPS/VP 16
VP INTERVAL 220 FT
SOURCE ARRAY INLINE
RECEIVER ARRAY INLINE
NO OF GEOPHONES/GROUP 24
RECEIVER INTERVAL 110 FT
SPREAD DIMENSIONS 5500-330-X-330-5500
NUMBER OF RACES 96
RECORDING INSTRUMENTS DFS V
RECORDING FILTERS LOW HIGH
GAIN CONTROL
SAMPLE RATE 2 MSEC
RECORD LENGTH 16 SECONDS
MULTIPLICITY 24 FOLD

DIGITAL PROCESSING

- VERTICAL STACK
NUMBER OF SWEEPS(POPS) STACKED = ---
STRAIGHT --- GATE LENGTH = --- MSEC
- 1. CORRELATION
MINIMUM PHASE ZERO PHASE ---
CROOKED LINE PROCESSING
SEARCH RADIUS = --- FT
MAXIMUM FOLD ---
- 2. TRUE AMPLITUDE RECOVERY
ALPHA = 6 DB/SEC TIME = 00 TO 30 SEC
- 3. VELOCITY FILTER
POSITIVE CUT --- FT/SEC
NEGATIVE CUT --- FT/SEC
- 4. DECONVOLUTION
DESIGNATURE SPIKING GAPPED ---
NUMBER OF OPERATORS 1
OPERATOR LENGTH = 250 MSEC
WHITE NOISE LEVEL = 10 PERCENT
CAP = --- MSEC NXING = ---
- 5. TIME VARIANT SCALING
UNITY SCALARS SQUARE ROOT SCALARS ---
GATE LENGTH(S) MSEC 500
- 6. DATUM STATICS APPLICATION
DATUM = 3800 FT
REPLACEMENT VELOCITY = 6000 FT/SEC
- 7. VELOCITY EVALUATION
FUNCTIONS REFERENCED TO DATUM
NUMBER OF CDP/LOCATION = 40
NUMBER OF LOCATIONS = 16 (LOCITIES)
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS
- 8. RESIDUAL STATICS COMPUTATIONS
TIME AND SPACE VARIANT GATES
VELOCITY EVALUATION
FUNCTIONS REFERENCED TO ---
NUMBER OF CDP/LOCATION = ---
NUMBER OF LOCATIONS = ---
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS ---
- 9. NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION
- 10. CDP STACK SUPPRESSION RAMP
OFFSET(FT) TIME(MSEC)
350 CDP ALL
5500 100
1100
- 11. COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY SORT ---
TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)
7-50 CDP ALL
- 12. TIME VARIANT SCALING
UNITY SCALARS SQUARE ROOT SCALARS ---
GATE LENGTH(S) MSEC 500
- 13. WAVE EQUATION MIGRATION
DIP FILTER
POSITIVE CUT : --- MSEC/TRACE
NEGATIVE CUT : --- MSEC/TRACE
- 14. DISPLAY
TRACES/INCH = 12 INCHES/SECOND = 5
POLARITY NORMAL REVERSED ---
BIAS 10 PERCENT



GEOPHYSICAL SERVICE INC

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LINE 3

SHOTPOINTS 113 TO 263

MIGRATED FINAL STACK

FIELD DATA

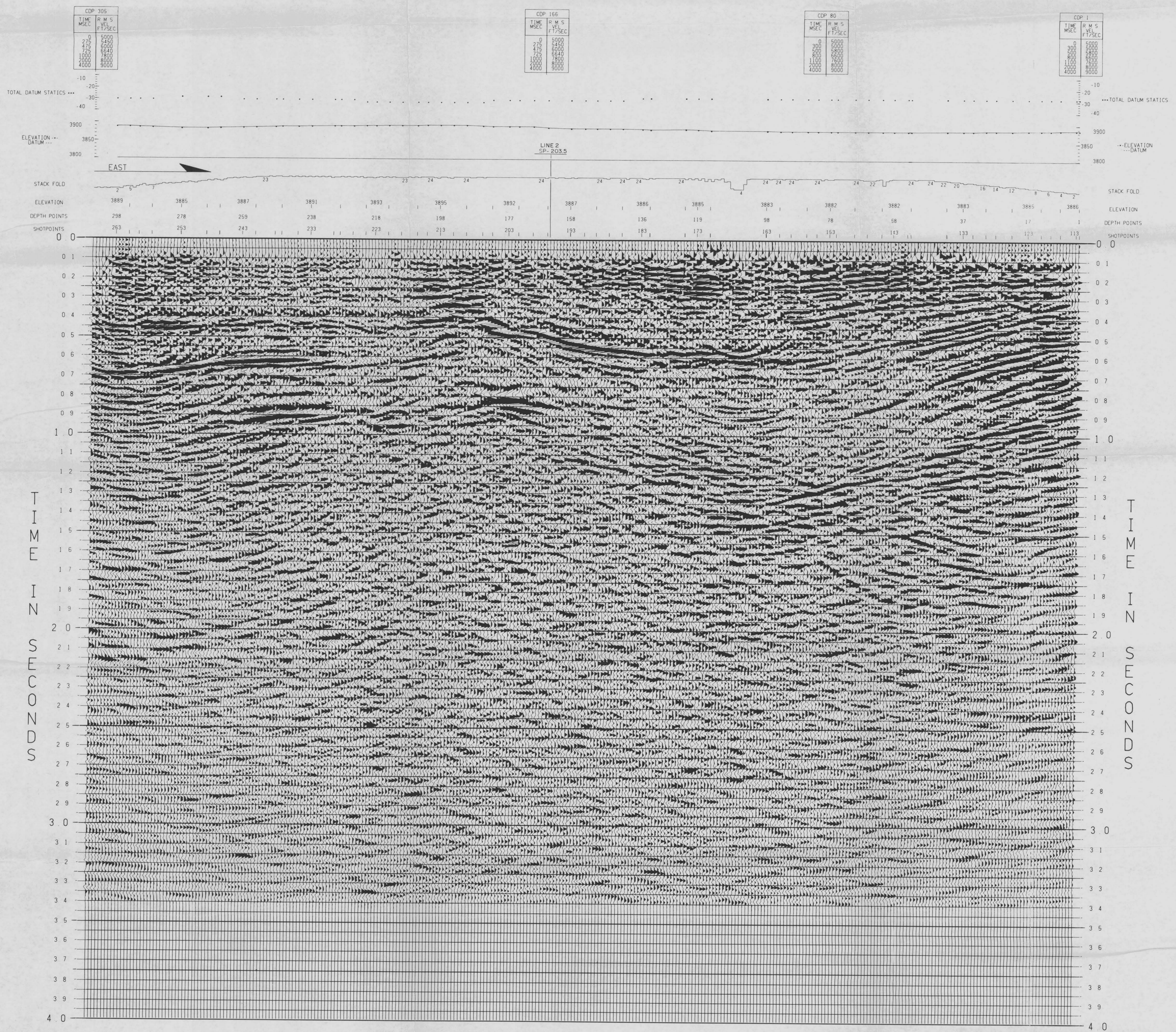
FIELD CREW GSI PARTY 1740
DATE SHOT OCTOBER 21 - 22, 1979
ENERGY SOURCE VIBROSEIS
SWEEP 12 HZ - 56 HZ
NUMBER OF SWEEPS/VP 16
VP INTERVAL 220 FT
SOURCE ARRAY INLINE
RECEIVER ARRAY INLINE
NO. OF GEOPHONES/GROUP 24
RECEIVER INTERVAL 110 FT
SPREAD DIMENSIONS 5500-330-X-330-5500
NUMBER OF TRACES 96
RECORDING INSTRUMENTS DFS V
RECORDING FILTERS LOW 8 HZ
HIGH 64 HZ
GAIN CONTROL
SAMPLE RATE 2 MSEC
RECORD LENGTH 16 SECONDS
MULTIPLICITY 24 FOLD

DIGITAL PROCESSING

--- VERTICAL STACK
NUMBER OF SWEEPS(POPS) STACKED = ---
STRAIGHT
DIVERSITY -- GATE LENGTH = --- MSEC
--- CORRELATION
MINIMUM PHASE X ZERO PHASE --
--- CROOKED LINE PROCESSING
SEARCH RADIUS = --- FT
MAXIMUM FOLD
---2--- TRUE AMPLITUDE RECOVERY
ALPHA = 6 DB/SEC TIME = 0.0 TO 30 SEC
--- VELOCITY FILTER
POSITIVE CUT --- FT/SEC
NEGATIVE CUT --- FT/SEC
---3--- DECONVOLUTION
DESIGNATURE SPIKING X GAPPED --
NUMBER OF OPERATORS = ---
OPERATOR LENGTH = 256 MSEC
WHITE NOISE LEVEL = 10 PERCENT
GAP = --- MSEC NXING = --
---4--- TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS --
GATE LENGTH(S) MSEC 500
---5--- DATUM STATICS APPLICATION
DATUM 3500 FT
REPLACEMENT VELOCITY = 6000 FT/SEC
---6--- VELOCITY EVALUATION
FUNCTIONS REFERENCED TO DATUM --
NUMBER OF CDPS/LOCATION = 40
NUMBER OF LOCATIONS = (LOC(velocities))
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS X
---7--- RESIDUAL STATICS COMPUTATIONS
TIME AND SPACE VARIANT GATES
VELOCITY EVALUATION
FUNCTIONS REFERENCED TO ---
NUMBER OF CDPS/LOCATION = ---
NUMBER OF LOCATIONS = ---
LOCATION SPACING = --- MILE(S)
VELPAC VELSCAN CVS --
---8--- NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION
---9--- CDP STACK SUPPRESSION RAMP
OFFSET(FT) TIME(MSEC)
CDP ALL
330 100
5500 1100

---10--- COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY X SORT --
---11--- TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)
CDP ALL
2-50

---12--- TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS --
GATE LENGTH(S) MSEC 500
---13--- WAVE EQUATION MIGRATION
DIP FILTER
POSITIVE CUT = --- MSEC/TRACE
NEGATIVE CUT = --- MSEC/TRACE
---14--- DISPLAY
TRACES/INCH = 12 INCHES/SECOND = 5
POLARITY NORMAL X REVERSED --
BIAS 10 PERCENT



GEOPHYSICAL SERVICE INC

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LINE 4

SHOTPOINTS 101 TO 269

SCALED FINAL STACK

FIELD DATA

FIELD CREW GSI PARTY 1740
DATE SHOT OCTOBER 22 - 24, 1979
ENERGY SOURCE VIBROSEIS
SWEEP 12 HZ - 56 HZ
NUMBER OF SWEEPS/VP 16
VP INTERVAL 220 FT
SOURCE ARRAY INLINE
RECEIVER ARRAY INLINE
NO. OF GEOPHONES/GROUP 24
RECEIVER INTERVAL 110 FT
SPREAD DIMENSIONS 5500-330-X-330-5500
NUMBER OF TRACES 96
RECORDING INSTRUMENTS DFS V
RECORDING FILTERS LOW 8 HZ
GAIN CONTROL HIGH 64 HZ
SAMPLE RATE 2 MSEC
RECORD LENGTH 16 SECONDS
MULTIPLICITY 24 FOLD

DIGITAL PROCESSING

- VERTICAL STACK
- NUMBER OF SWEEPS(POPS) STACKED = ---
- STRAIGHT DIVERSITY --- GATE LENGTH = --- MSEC
- 1. CORRELATION MINIMUM PHASE ZERO PHASE ---
- 2. CROOKED LINE PROCESSING SEARCH RADIUS = 330 FT
- 3. TRUE AMPLITUDE RECOVERY MAXIMUM FOLD = 24
- ALPHA = 8 DB/SEC TIME = 0 TO 3.0 SEC
- VELOCITY FILTER
- POSITIVE CUT --- FT/SEC
- NEGATIVE CUT --- FT/SEC
- 4. DECONVOLUTION DESIGNATURE SPIKING GAPPED ---
- NUMBER OF OPERATORS = 5
- OPERATOR LENGTH = 2.56 MSEC
- WHITE NOISE LEVEL = 10 PERCENT
- GAP = --- MSEC NXING = ---
- 5. TIME VARIANT SCALING UNITY SCALARS SQUARE ROOT SCALARS ---
- GATE LENGTH(S) MSEC 300
- 6. DATUM STATICS APPLICATION DATUM = 3800 FT
- REPLACEMENT VELOCITY = 6000 FT/SEC
- 7. VELOCITY EVALUATION FUNCTIONS REFERENCED TO DATUM
- NUMBER OF CDPS/LOCATION = 40
- NUMBER OF LOCATIONS = 11(Gvelocities)
- LOCATION SPACING = --- MILE(S)
- VELPAC = VELSCAN --- CVS
- 8. RESIDUAL STATICS COMPUTATIONS TIME AND SPACE VARIANT GATES
- VELOCITY EVALUATION FUNCTIONS REFERENCED TO ---
- NUMBER OF CDPS/LOCATION = ---
- NUMBER OF LOCATIONS = ---
- LOCATION SPACING = --- MILE(S)
- VELPAC = VELSCAN --- CVS ---
- 9. NORMAL MOVEOUT CORRECTIONS SEE VELOCITIES ANNOTATED ABOVE SECTION
- 10. CDP STACK SUPPRESSION RAMP OFFSET(FT) TIME(MSEC)

330	CDP	50	---	---
3500		1000	---	---

- 11. COMMON DEPTH POINT STACK STACKING FOLD GRAPH ABOVE SECTION
- RECOVERY SCALING = UNITY --- SORT ---
- 12. TIME VARIANT FILTERING PASSBAND(HZ) TIME(MSEC)

7.50	CDP	ALL	---	---
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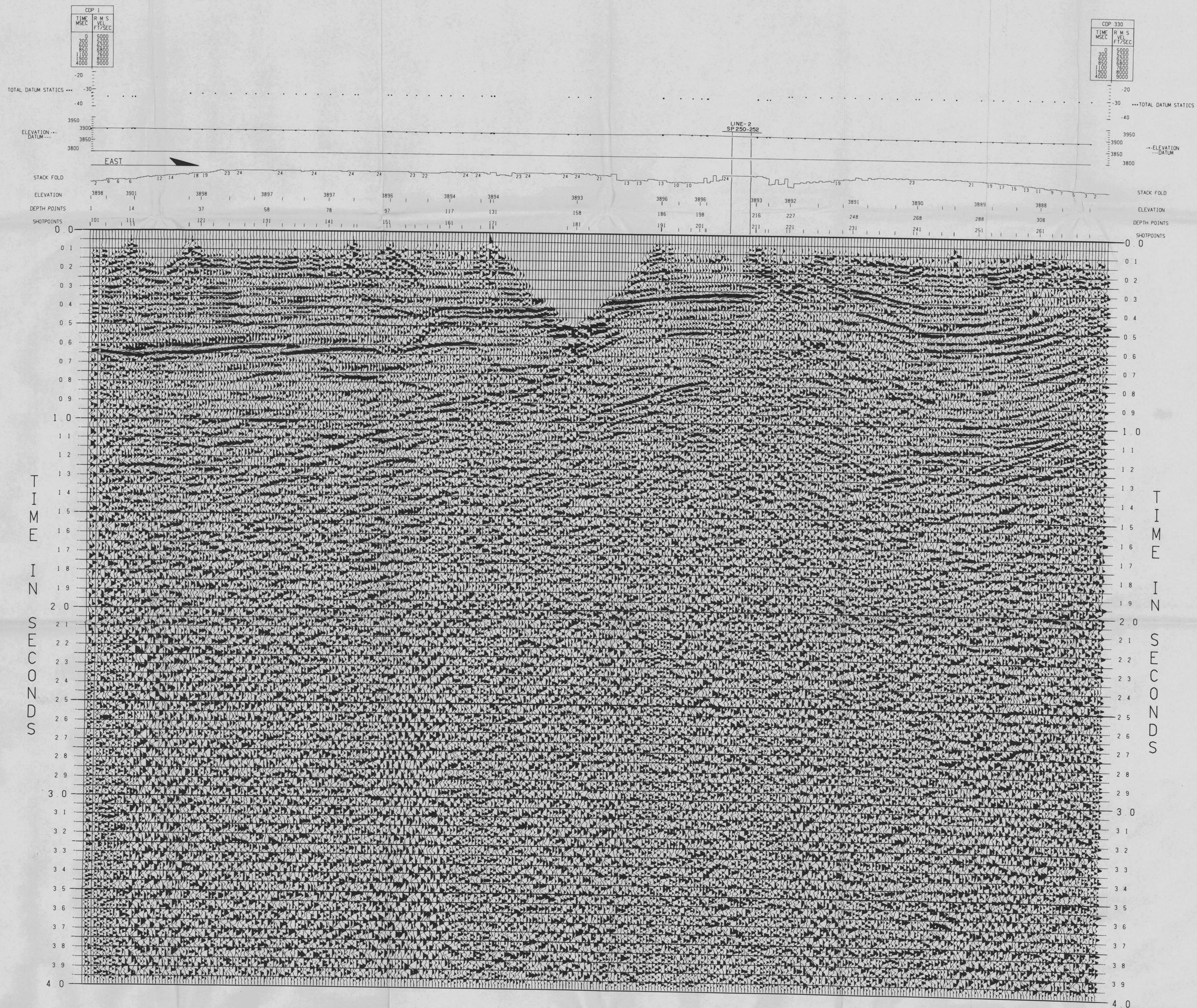
- 13. TIME VARIANT SCALING UNITY SCALARS SQUARE ROOT SCALARS ---
- GATE LENGTH(S) MSEC 300
- WAVE EQUATION MIGRATION
- DIP FILTER POSITIVE CUT = --- MSEC/TRACE
- NEGATIVE CUT = --- MSEC/TRACE
- 14. DISPLAY TRACES/INCH = 12 INCHES/SECOND = 5
- POLARITY NORMAL REVERSED ---
- BIAS 10 PERCENT

GEOPHYSICAL SERVICE INC

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LINE 4

SHOTPOINTS 101 TO 269
MIGRATED FINAL STACK

FIELD DATA

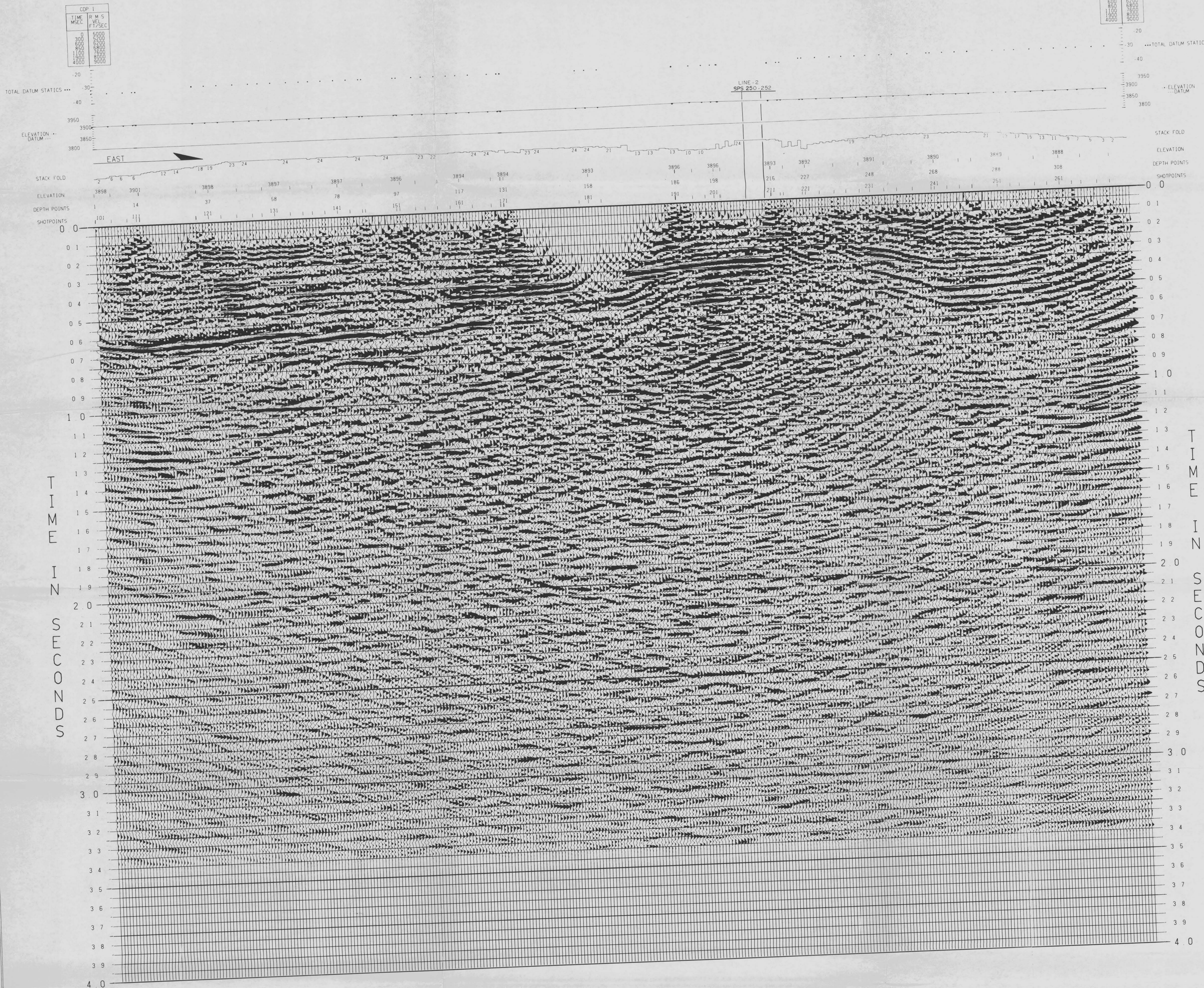
FIELD CREW GSI PARTY 1740
DATE SHOT OCTOBER 22 - 24, 1979
ENERGY SOURCE VIBROSETS
SWEEP 12 HZ - 56 HZ
NUMBER OF SWEEPS/VP 16
VP INTERVAL 220 FT
SOURCE ARRAY INLINE
RECEIVER ARRAY INLINE
NO. OF GEOPHONES/GROUP 24
RECEIVER INTERVAL 110 FT
SPREAD DIMENSIONS 5500-330-X-330-5500
NUMBER OF TRACES 96
RECORDING INSTRUMENTS DFS V
RECORDING FILTERS LOW 8 HZ
HIGH 64 HZ
GAIN CONTROL 2 MSEC
SAMPLE RATE 16 SECONDS
RECORD LENGTH 24 FOLD
MULTIPLICITY

DIGITAL PROCESSING

--- VERTICAL STACK
NUMBER OF SWEEPS(POPS) STACKED = ---
STRAIGHT --- GATE LENGTH = --- MSEC
DIVERSITY ---
--- CORRELATION
MINIMUM PHASE X ZERO PHASE ---
--- CROOKED LINE PROCESSING
SEARCH RADIUS = 330 FT
MAXIMUM FOLD ---
--- TRUE AMPLITUDE RECOVERY
ALPHA = 6 DB/SEC TIME=0.0 TO 3.0 SEC
--- VELOCITY FILTER
POSITIVE CUT --- FT/SEC
NEGATIVE CUT --- FT/SEC
--- DECONVOLUTION
DESIGNATURE SPIKING X GAPPED ---
NUMBER OF OPERATORS = ---
OPERATOR LENGTH = 256 MSEC
WHITE NOISE LEVEL = 10 PERCENT
CAP = MSEC NXING = ---
--- TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS ---
GATE LENGTH(S) MSEC 500
--- DATUM STATICS APPLICATION
DATUM = 3800 FT
REPLACEMENT VELOCITY = 6000 FT/SEC
--- VELOCITY EVALUATION
FUNCTIONS REFERENCED TO DATUM ---
NUMBER OF CDPS/LOCATION = 40
NUMBER OF LOCATIONS = 15 (velocities)
LOCATION SPACING = MILE(S) ---
VELPAC VELSCAN CVS X
--- RESIDUAL STATICS COMPUTATIONS
TIME AND SPACE VARIANT GATES
--- VELOCITY EVALUATION
FUNCTIONS REFERENCED TO ---
NUMBER OF CDPS/LOCATION = ---
NUMBER OF LOCATIONS = ---
LOCATION SPACING = MILE(S) ---
VELPAC VELSCAN CVS ---
--- NORMAL MOVEOUT CORRECTIONS
SEE VELOCITIES ANNOTATED ABOVE SECTION
--- CDP STACK SUPPRESSION RAMP
OFFSET(FT) TIME(MSEC)
330 CDP ALL ---
3500 1100 ---

--- COMMON DEPTH POINT STACK
STACKING FOLD GRAPH ABOVE SECTION
RECOVERY SCALING = UNITY --- SORT ---
--- TIME VARIANT FILTERING
PASSBAND(HZ) TIME(MSEC)
I-50 CDP ALL ---

--- TIME VARIANT SCALING
UNITY SCALARS X SQUARE ROOT SCALARS ---
GATE LENGTH(S) MSEC 500
--- WAVE EQUATION MIGRATION
--- DIP FILTER
POSITIVE CUT = MSEC/TRACE
NEGATIVE CUT = MSEC/TRACE
--- DISPLAY
TRACES/INCH = 12 INCHES/SECOND = 5
POLARITY NORMAL X REVERSED ---
BIAS 10 PERCENT



GEOPHYSICAL SERVICE INC

(A SUBSIDIARY OF TEXAS INSTRUMENTS INC.)

NOV 26 1979
DENVER CO

PROCESSING CHECKED BY

27NOV79 18 09 29 160

110 TDSP 02-002 120 UNIONS