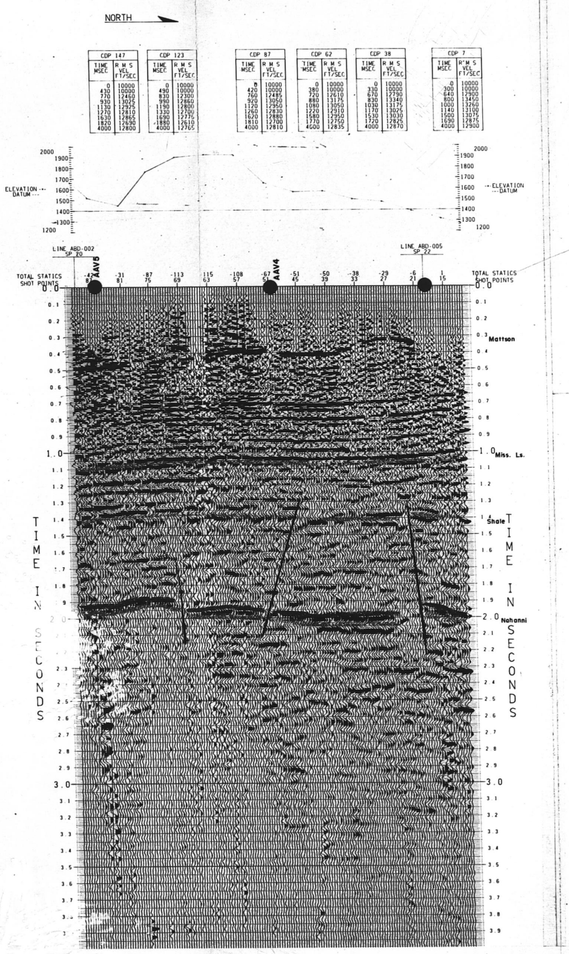
556-06-007-13



556-06-004-007

WELL VELOCITIES

CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-001

SPs 9-93

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978

RECORDING SYSTEM SIES V SIES B SOURCE DYNAMITE

SPREAD GEOMETRY 5280-220X 220-5280 No TRACES 48

GROUP INT. 220 FT. SP INT. 1320 FT. FOLD 400 %

SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS

SOURCE GEOMETRY SINGLE HOLE

SOURCE SIZE 50-100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- ☐ TRANSLATION _____ TRACK TO 21 TRACK
- ☐ TRANSCRIPTION _____ ANALOG TO DIGITAL
- ☐ VERTICAL STACK: _____ TO 1
- ☐ VIBROSES CORRELATION SWEEP _____ TO _____ HZ
- 1 BINARY GAIN/TRUE AMPLITUDE RECOVERY
- ☐ NORMAL MOVEOUT
- 5 DECONVOLUTION: TYPE WHITENING 10%
  No OPERATORS PER TRACE 1
  DESIGN GATE 800 TO 2500
  OPERATOR LENGTH 96 MS

STATIC CORRECTIONS
- 2 CDP GATHER
- 4 EQUALIZATION
- 6 VELOCITY ANALYSIS
  TYPE VFR
- 8 DATUM STATICS: DATUM 1600 FT
  VELOCITY 10000 FT/SEC
  ☒ ELEVATION/UPHOLE CORRECTIONS
  ☒ WEATHERING CORRECTIONS
- 8 CORRELATION STATICS: No OF GATES 2
- ☐ FLATTENED AT _____ MS
- 9 OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- 7 NORMAL MOVEOUT
- 10 FIRST BREAK SUPPRESSION
- 11 CDP STACK 6 FOLD
- 12 DIGITAL FILTER
  8-40HZ / 8-25HZ
- 15 EQUALIZATION

OTHER PROCESSES
- ☐ _____
- ☐ _____
- ☐ _____

DISPLAY FILTER OUT-OUT GAIN _____ DB

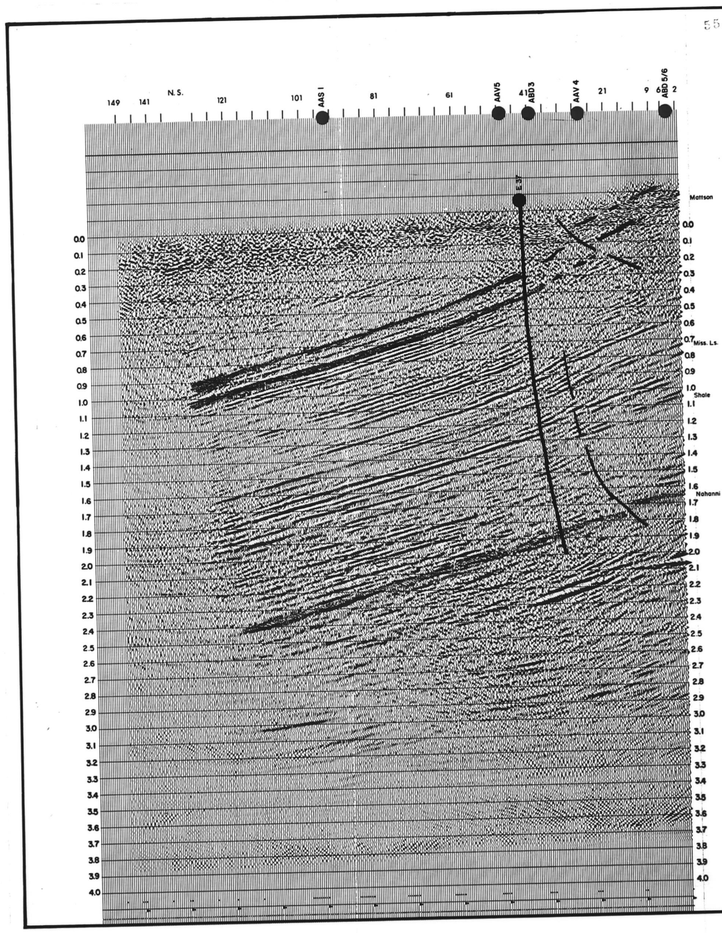
COMMENTS _____

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 133620 DATE DEC./78

631-1658A

556-06-04-007-81



556-06-04-007

AAV-006(R)

VERITAS
SEISMIC PROCESSORS LTD.

LINE NO: 006 **DIRECTION** N.

AREA NORTH BEAVER RIVER

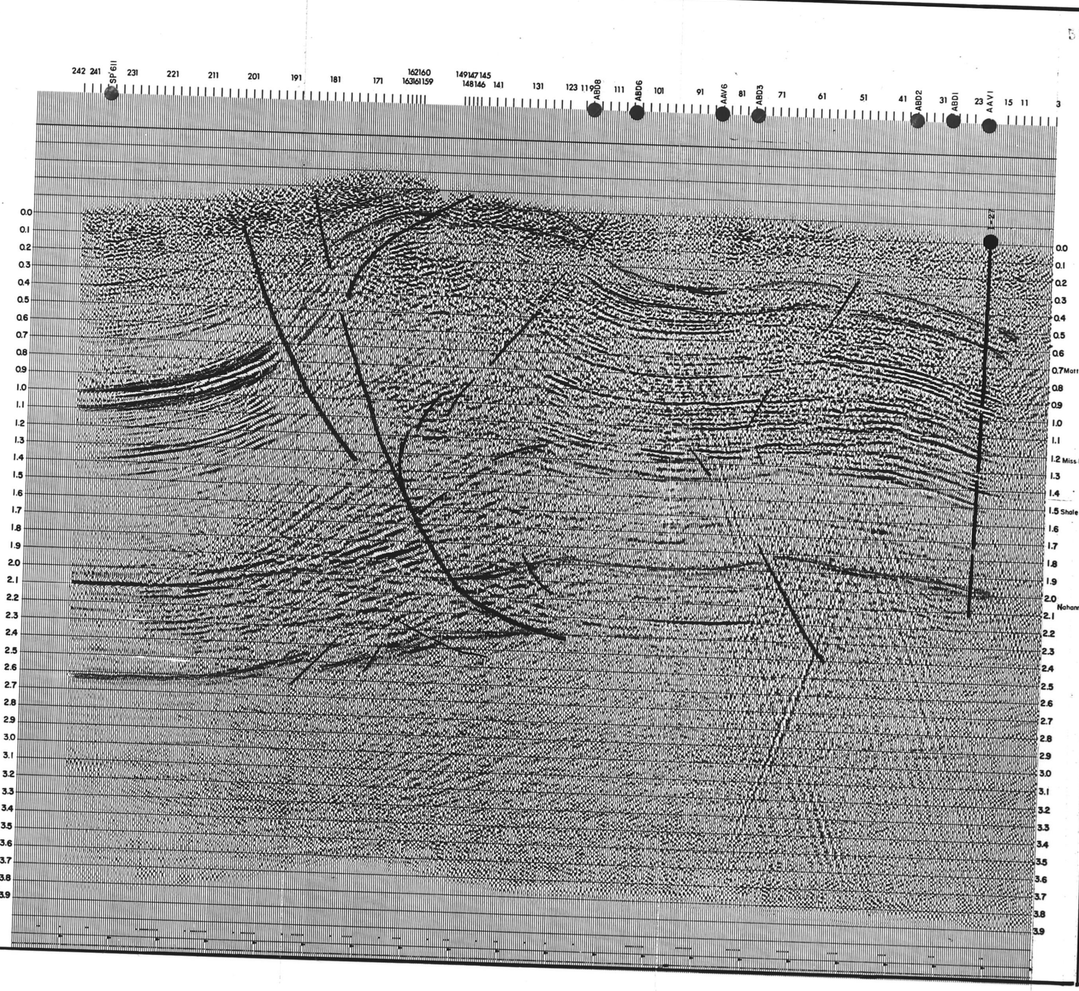
☒ **DATUM** 1400' **ASL** ☐ **FLATTENED TO** ms.

PROCESSED FOR:
COLUMBIA GAS DEVELOPMENT OF CANADA LTD.
DATE PROCESSED FEB, 1978 **DATE SHOT** AUG, 1973
SHOT BY AMOCO CANADA LTD.

SPREAD 3840 - 160 - x - 160 - 3840 **COVERAGE** 600 %
GROUP INTERVAL 160' **SOURCE INTERVAL** 640'
FIELD RECORDING ☒ DIGITAL ☐ FM ☐ AM
INSTRUMENTS DFS III **GAIN** BINARY

☐ ANALOG TO DIGITAL
1 **DEMULTIPLEX** AND EDITS
AMPLITUDE RECOVERY — POWERPLOT / INVERSE
☐ **CORRELATION** SWEEP HERTZ
3 **DECONVOLUTION:** TYPE SPIKING
PREWHITENING 2.0 % PREDICTION LAG ms.
FILTER 1 Length 52 ms. Design Gate 900 - 2500 ms. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Design Gate ms. Appl. Gate ms.
FILTER 3 Length ms. Design Gate ms. Appl. Gate ms.
6 **NORMAL MOVEOUT**
☐ **DIGITAL FILTER** TYPE BANDPASS
FILTER 1 Length 360 ms. Pass Band 5/10 - 50/55 Hz. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Pass Band Hz. Appl. Gate ms.
FILTER 3 Length ms. Pass Band Hz. Appl. Gate ms.
8 **STATICS**
1 STRUCTURE INCLUDING DRIFT CONTROL
Datum 1400' ASL
Replacement Velocity 10,000 ft. sec.
☐ FLATTENED to ms.
☐ **AUTOSTAT** (Surface Consistent)
Windowlet
7 **FIRST BREAKS MUTES**
Distance 800 ft. Distance 3840 ft. Distance ft.
Mute 400 ms. Mute 750 ms. Mute ms.
9 **TRACE GATHER**
10 **TRIM STATICS**
1 Correlation Windowlet 800 - 3000 ms
☐ hand edit
11 **STACK**
☐ **AMPLITUDE EQUALIZATION**
Type MEAN
Windowlet TRACE LENGTH
☐ **MULTICHANNEL COHERENCE FILTER**
☐ **SPECIAL PROCESSING**
5 VELOCITY ANALYSIS
14 FREQUENCY DECONVOLUTION
15 SPATIAL COHERENCE FILTER
16 WAVE EQUATION MIGRATION

556-06-04-007-7



556-06-04-007

VERITAS AAV-005(R)
SEISMIC PROCESSORS LTD.

LINE NO: 005 **DIRECTION** N.E.

AREA NORTH BEAVER RIVER

☒ **DATUM** 1400' **ASL.** ☐ **FLATTENED TO** ____ ms.

PROCESSED FOR:
COLUMBIA GAS DEVELOPMENT OF CANADA LTD
DATE PROCESSED JAN. 1978 **DATE SHOT** AUG., 1973
SHOT BY AMOCO CANADA LTD

SPREAD 3840 - 160 - x - 160 - 3840 **COVERAGE** 1200 %
GROUP INTERVAL 160' **SOURCE INTERVAL** 320'
FIELD RECORDING ☒ DIGITAL ☐ FM ☐ AM
INSTRUMENTS DFS III **GAIN** BINARY

☐ **ANALOG TO DIGITAL**

1 **DEMULTIPLEX** AND EDITS
AMPLITUDE RECOVERY POWERPLOT / INVERSE

☐ **CORRELATION** SWEEP HERTZ

3 **DECONVOLUTION:** TYPE SPIKING
PREWHITENING 2.0 % PREDICTION LAG ms.
FILTER 1 Length 52 ms. Design Gate 900 - 2500 ms. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Design Gate ms. Appl. Gate ms.
FILTER 3 Length ms. Design Gate ms. Appl. Gate ms.

6 **NORMAL MOVEOUT**

☐ **DIGITAL FILTER** TYPE BANDPASS
FILTER 1 Length 360 ms. Pass Band 5/10 - 50/55 Hz. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Pass Band Hz. Appl. Gate ms.
FILTER 3 Length ms. Pass Band Hz. Appl. Gate ms.

8 **STATICS**
☒ STRUCTURE INCLUDING DRIFT CONTROL
Datum 1400' A.S.L.
Replacement Velocity 10,000 ft./sec.
☐ FLATTENED to ms.

☐ **AUTOSTAT** (Surface Consistent)
Window(s)

7 **FIRST BREAKS MUTES**
Distance 800 ft. Distance 3840 ft. Distance ft.
Mute 400 ms. Mute 750 ms. Mute ms.

9 **TRACE GATHER**

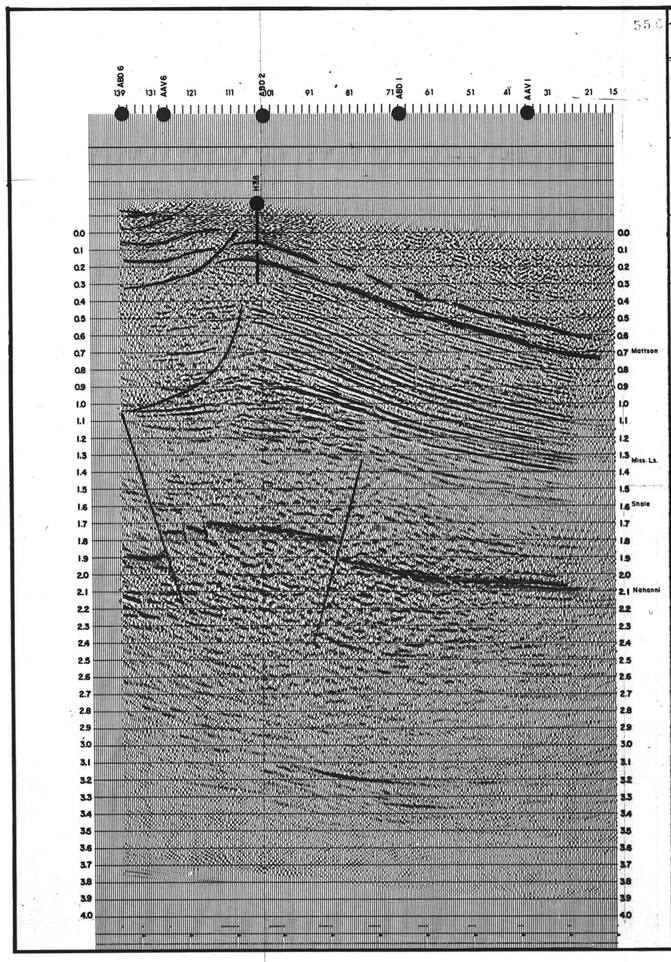
10 **TRIM STATICS**
☒ Correlation Window(s) 800 - 3000 ms
☐ hand edit

11 **STACK**

12 **AMPLITUDE EQUALIZATION**
Type MEAN
Window(s) TRACE LENGTH

☐ **MULTICHANNEL COHERENCE FILTER**
☐ **SPECIAL PROCESSING**
5 VELOCITY ANALYSIS
14 FREQUENCY DECONVOLUTION
16 WAVE EQUATION MIGRATION USING STACKING VELOCITIES

556-06-04-007-6



556-06-04-007

VERITAS AAV-004 (R)
SEISMIC PROCESSORS LTD.

LINE NO: 004 **DIRECTION** E.
AREA NORTH BEAVER RIVER
☒ **DATUM** 1400' **ASL.** ☐ **FLATTENED TO** ms.

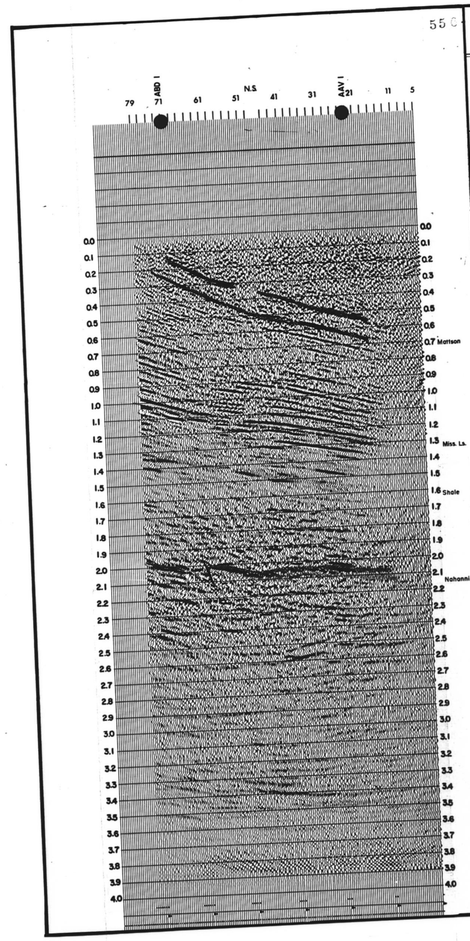
PROCESSED FOR:
COLUMBIA GAS DEVELOPMENT OF CANADA LTD.
DATE PROCESSED FEB. 1978 **DATE SHOT** AUG. 1973
SHOT BY AMOCO CANADA LTD.

SPREAD 3840 - 160 - x - 160 - 3840 **COVERAGE** 1200 %
GROUP INTERVAL 160' **SOURCE INTERVAL** 320'
FIELD RECORDING ☒ DIGITAL ☐ FM ☐ AM
INSTRUMENTS DFS III **GAIN** BINARY

☐ **ANALOG TO DIGITAL**
1 **DEMULTIPLEX** AND EDITS
AMPLITUDE RECOVERY POWERPLOT / INVERSE
☐ **CORRELATION** SWEEP HERTZ
3 **DECONVOLUTION:** TYPE SPIKING
PREWHITENING 2.0 % PREDICTION LAG ms.
FILTER 1 Length 52 ms. Design Gate 900 - 2500 ms. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Design Gate ms. Appl. Gate ms.
FILTER 3 Length ms. Design Gate ms. Appl. Gate ms.
6 **NORMAL MOVEOUT**
☒ **DIGITAL FILTER** TYPE BANDPASS
FILTER 1 Length 360 ms. Pass Band 5/10 - 50/55 Hz. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Pass Band Hz. Appl. Gate ms.
FILTER 3 Length ms. Pass Band Hz. Appl. Gate ms.
8 **STATICS**
1 STRUCTURE INCLUDING DRIFT CONTROL
Datum 1400' ASL
Replacement Velocity 10,000 ft./sec.
☐ FLATTENED to ms.
☐ **AUTOSTAT** (Surface Consistent)
Window(s)
7 **FIRST BREAKS MUTES**
Distance 800 ft. Distance 3840 ft. Distance ft.
Mute 400 ms. Mute 750 ms. Mute ms.
9 **TRACE GATHER**
10 **TRIM STATICS**
☒ Correlation Window(s) 800 - 3000 ms
☐ Send edit
11 **STACK**
☐ **AMPLITUDE EQUALIZATION**
Type MEAN
Window(s) TRACE LENGTH

☐ **MULTICHANNEL COHERENCE FILTER**
☐ **SPECIAL PROCESSING**
5 VELOCITY ANALYSIS
14 FREQUENCY DECONVOLUTION
15 SPATIAL COHERENCE FILTER
16 WAVE EQUATION MIGRATION

556-06-04-007-S



556-06-04-007 **VERITAS** AAV-003 (R)
SEISMIC PROCESSORS LTD.

LINE NO: 003 **DIRECTION** E.
AREA NORTH BEAVER RIVER
☒ **DATUM** 1400' **ASL.** ☐ **FLATTENED TO** ms.

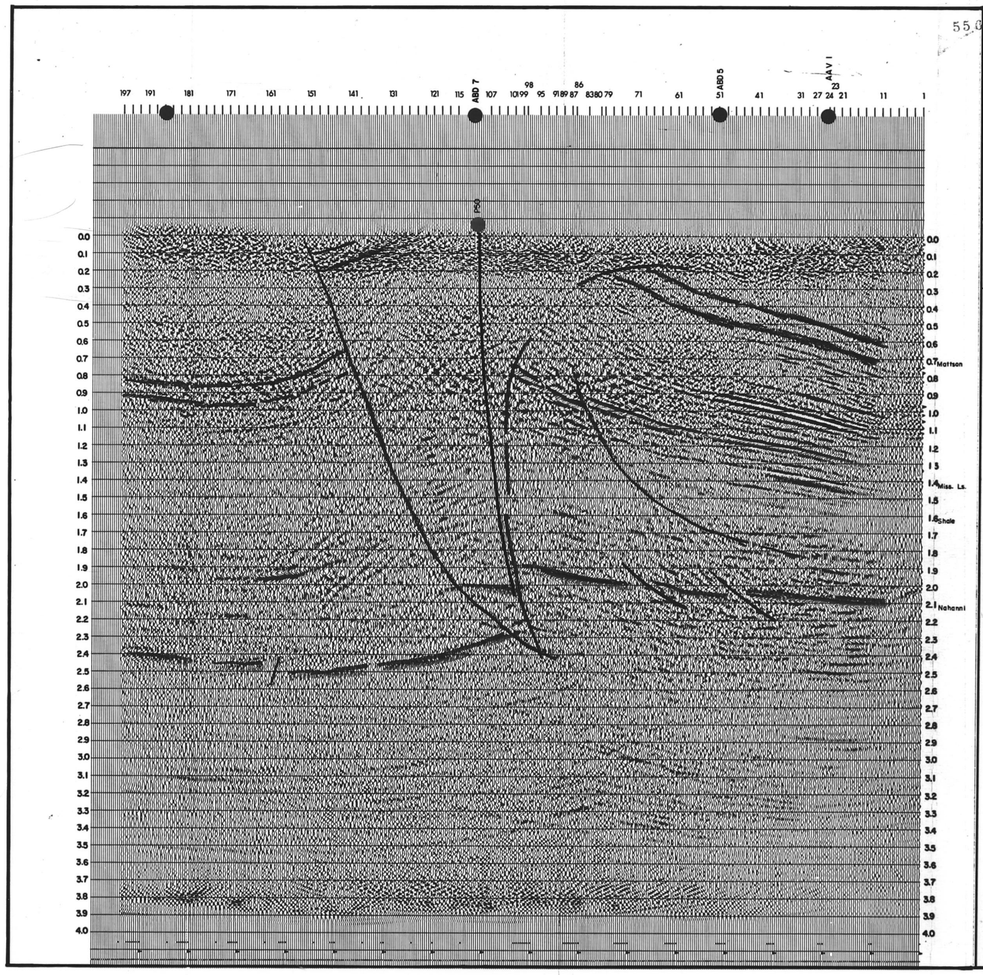
PROCESSED FOR:
COLUMBIA GAS DEVELOPMENT OF CANADA LTD.
DATE PROCESSED FEB. 1978 **DATE SHOT** AUG. 1973
SHOT BY AMOCO CANADA LTD.

SPREAD 3840 - 160 - x - 160 - 3840 **COVERAGE** 1200 %
GROUP INTERVAL 160' **SOURCE INTERVAL** 320'
FIELD RECORDING ☒ DIGITAL ☐ FM ☐ AM
INSTRUMENTS DFS III **GAIN** BINARY

☐ **ANALOG TO DIGITAL**
1 **DEMULTIPLEX** AND EDITS
AMPLITUDE RECOVERY POWERPLOT / INVERSE
☐ **CORRELATION** **SWEEP** HERTZ
3 **DECONVOLUTION:** **TYPE** SPIKING
PREWHITENING 2.0 % **PREDICTION LAG** ms.
FILTER 1 Length 52 ms. **Design Gate** 900 - 2500 ms. **Appl. Gate** 0 - 4000 ms.
FILTER 2 Length ms. **Design Gate** ms. **Appl. Gate** ms.
FILTER 3 Length ms. **Design Gate** ms. **Appl. Gate** ms.
6 **NORMAL MOVEOUT**
☐ **DIGITAL FILTER** **TYPE** BANDPASS
FILTER 1 Length 360 ms. **Pass Band** 5/10 - 50/55 Hz. **Appl. Gate** 0 - 4000 ms.
FILTER 2 Length ms. **Pass Band** Hz. **Appl. Gate** ms.
FILTER 3 Length ms. **Pass Band** Hz. **Appl. Gate** ms.
8 **STATICS**
☒ **STRUCTURE** INCLUDING DRIFT CONTROL
Datum 1400' A.S.L.
Replacement Velocity 10,000 ft./sec.
☐ **FLATTENED to** ms.
☐ **AUTOSTAT** (Surface Consistent)
Window(s)
7 **FIRST BREAKS MUTES**
Distance 800 ft. **Distance** 3840 ft. **Distance** ft.
Mute 400 ms. **Mute** 750 ms. **Mute** ms.
9 **TRACE GATHER**
10 **TRIM STATICS**
☒ **Correlation Window(s)** 800 - 3000 ms
☐ **hand edit**
11 **STACK**
☒ **AMPLITUDE EQUALIZATION**
Type MEAN
Window(s) TRACE LENGTH

☐ **MULTICHANNEL COHERENCE FILTER**
☐ **SPECIAL PROCESSING**
5 VELOCITY ANALYSIS
14 FREQUENCY DECONVOLUTION
15 SPATIAL COHERENCE FILTER
16 WAVE EQUATION MIGRATION

556-06-04-007-4



55.006-04-007

VERITAS AAV-002 (R)
SEISMIC PROCESSORS LTD.

LINE NO: 002 **DIRECTION** E.

AREA NORTH BEAVER RIVER

☒ **DATUM** 1400' **ASL.** ☐ **FLATTENED TO** ____ **ms.**

PROCESSED FOR:
COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

DATE PROCESSED FEB., 1978 **DATE SHOT** AUG., 1973

SHOT BY AMOCO CANADA LTD.

SPREAD 3840 - 160 - x - 160 - 3840 **COVERAGE** 1200 %

GROUP INTERVAL 160' **SOURCE INTERVAL** 320'

FIELD RECORDING ☒ DIGITAL ☐ FM ☐ AM

INSTRUMENTS DFS III **GAIN** BINARY

☐ **ANALOG TO DIGITAL**

1 **DEMULTIPLEX** AND EDITS
AMPLITUDE RECOVERY POWERPLOT / INVERSE

☐ **CORRELATION** SWEEP HERTZ

3 **DECONVOLUTION:** TYPE SPIKING
PREWHITENING 20 % PREDICTION LAG ms.
FILTER 1 Length 52 ms. Design Gate 900 - 2500 ms. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Design Gate ms. Appl. Gate ms.
FILTER 3 Length ms. Design Gate ms. Appl. Gate ms.

6 **NORMAL MOVEOUT**

DIGITAL FILTER TYPE BANDPASS
FILTER 1 Length 360 ms. Pass Band 5/10 - 50/55 Hz. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Pass Band Hz. Appl. Gate ms.
FILTER 3 Length ms. Pass Band Hz. Appl. Gate ms.

8 **STATICS**
☒ STRUCTURE INCLUDING DRIFT CONTROL
Datum 1400' ASL
Replacement Velocity 10,000 ft./sec.
☐ FLATTENED to ms.

☐ **AUTOSTAT** (Surface Consistent)
Window(s)

7 **FIRST BREAKS MUTES**
Distance 800 ft. Distance 3840 ft. Distance ft.
Mute 400 ms. Mute 750 ms. Mute ms.

9 **TRACE GATHER**

10 **TRIM STATICS**
☒ Correlation Window(s) 800 - 3000 ms
☐ Send edit

11 **STACK**

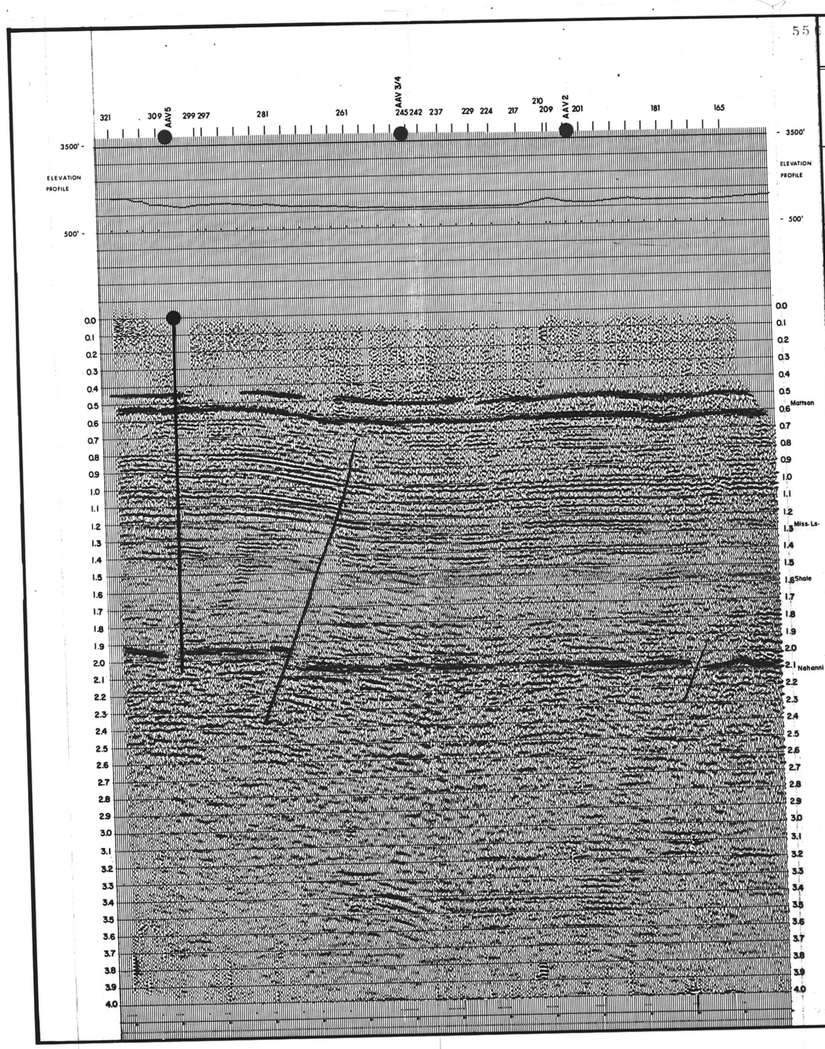
12 **AMPLITUDE EQUALIZATION**
Type MEAN
Window(s) TRACE LENGTH

☐ **MULTICHANNEL COHERENCE FILTER**

☐ **SPECIAL PROCESSING**

5 VELOCITY ANALYSIS
14 FREQUENCY DECON/OLUTION
15 SPATIAL COHERENCE FILTER
16 WAVE EQUATION MIGRATION

556-06-04-007-3



55 6 - 06 - 04 - 007

AAV-001 (R)

VERITAS
SEISMIC PROCESSORS LTD.

LINE NO: 001 **DIRECTION** N.

AREA NORTH BEAVER RIVER

☒ **DATUM** 1400' **ASL.** ☐ **FLATTENED TO** _____ ms.

PROCESSED FOR:
COLUMBIA GAS DEVELOPMENT OF CANADA LTD.

DATE PROCESSED FEB. 1978 **DATE SHOT** AUG., 1973

SHOT BY AMOCO CANADA LTD.

SPREAD 3840 - 160 - x - 160 - 3840 **COVERAGE** 600 %

GROUP INTERVAL 160' **SOURCE INTERVAL** 640'

FIELD RECORDING ☒ DIGITAL ☐ FM ☐ AM

INSTRUMENTS DFS III **GAIN** BINARY

☐ **ANALOG TO DIGITAL**

1 **DEMULTIPLEX** AND EDITS
AMPLITUDE RECOVERY POWERPLOT / INVERSE

☐ **CORRELATION** SWEEP HERTZ

3 **DECONVOLUTION:** TYPE SPIKING
PREWHITENING 20 % PREDICTION LAG ms.
FILTER 1 Length 52 ms. Design Gate 900 - 2500 ms. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Design Gate ms. Appl. Gate ms.
FILTER 3 Length ms. Design Gate ms. Appl. Gate ms.

6 **NORMAL MOVEOUT**

6a **DIGITAL FILTER** TYPE BANDPASS
FILTER 1 Length 360 ms. Pass Band 5/10 - 50/55 Hz. Appl. Gate 0 - 4000 ms.
FILTER 2 Length ms. Pass Band Hz. Appl. Gate ms.
FILTER 3 Length ms. Pass Band Hz. Appl. Gate ms.

8 **STATICS**
☒ STRUCTURE INCLUDING DRIFT CONTROL
Datum 1400' A.S.L.
Replacement Velocity 10,000 ft./sec.
☐ FLATTENED to ms.

☐ **AUTOSTAT** (Surface Consistent)
Windowfd

7 **FIRST BREAKS MUTES**
Distance 800 ft. Distance 3840 ft. Distance ft.
Mute 400 ms. Mute 750 ms. Mute ms.

9 **TRACE GATHER**

10 **TRIM STATICS**
☒ Correlation Windowfd 800 - 3000 ms
☐ Send edit

11 **STACK**

12 **AMPLITUDE EQUALIZATION**
Type MEAN
Windowfd TRACE LENGTH

☐ **MULTICHANNEL COHERENCE FILTER**

☐ **SPECIAL PROCESSING**

5 VELOCITY ANALYSIS

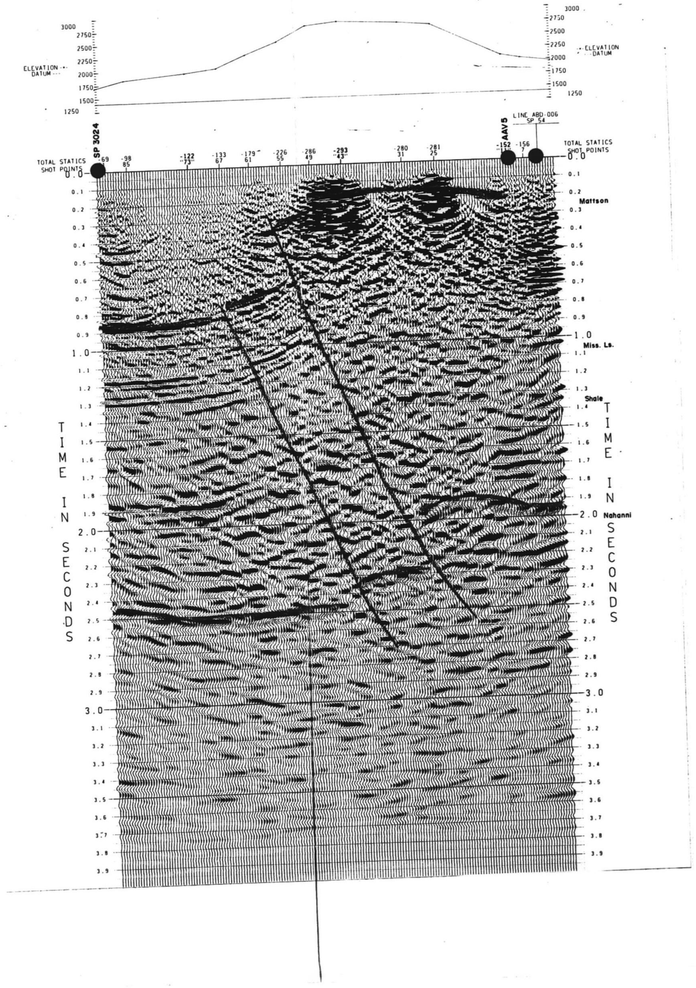
14 FREQUENCY DECONVOLUTION

15 SPATIAL COHERENCE FILTER

556-06-04-007-2

556-06-04-007

SOUTH-EAST



CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-008

SPs 1-91

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978

RECORDING SYSTEM DFS V SEG B SOURCE DYNAMITE

SPREAD GEOMETRY 5280 - 220 X 220 - 5280 No TRACES 48

GROUP INT 220 FT S-P INT 1320 FT FOLD 400 %

SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS

SOURCE GEOMETRY SINGLE HOLE

SOURCE SIZE 50 - 100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING

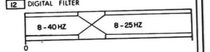
- ☐ TRANSLATION ____ TRACK TO 21 TRACK
- ☐ TRANSCRIPTION ____ ANALOG TO DIGITAL
- ☐ VERTICAL STACK: ____ TO 1
- ☐ VIBROSEIS CORRELATION SWEEP ____ TO ____ HZ
- ☒ 1 BINARY GAIN/TRUE AMPLITUDE RECOVERY
- ☐ NORMAL MOVEOUT
- ☒ 3 DECONVOLUTION: TYPE WHITENING 10 %
  No OPERATORS PER TRACE 1
  DESIGN GATE 800 TO 2500
  OPERATOR LENGTH 96 MS

STATIC CORRECTIONS

- ☒ 2 CDP GATHER
- ☒ 4 EQUALIZATION
- ☒ 6 VELOCITY ANALYSIS
  TYPE ____ VFR ____
  DATUM 1400 FT
  VELOCITY 10000 F/SEC
- ☒ 8 DATUM STATICS
  ☒ ELEVATION/UPHOLE CORRECTIONS
  ☒ WEATHERING CORRECTIONS
- ☒ 5 CORRELATION STATICS: No OF GATES 2
- ☐ FLATTENED AT ____ MS
- ☒ 9 OTHER CORRELATION STATICS APPLIED

POST PROCESSING

- ☒ 7 NORMAL MOVEOUT
- ☒ 10 FIRST BREAK SUPPRESSION
- ☒ 11 CDP STACK 6 FOLD
- ☒ 12 DIGITAL FILTER



OTHER PROCESSES

- ☒ 13 EQUALIZATION
- ☒ 14 MIGRATION

DISPLAY FILTER OUT-OUT GAIN ____ DB

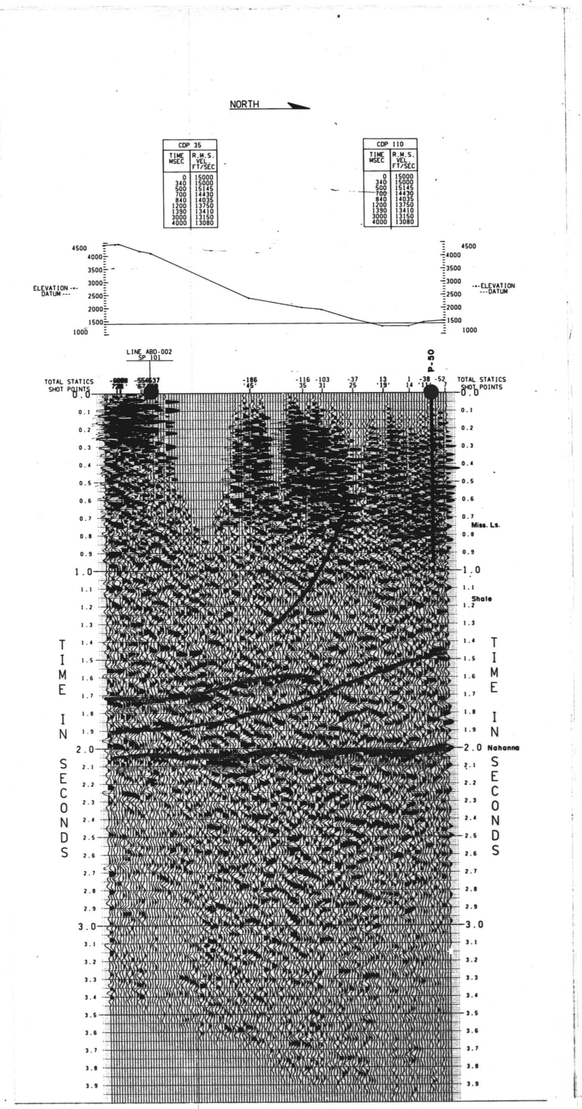
COMMENTS

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 133620 DATE DEC/78

G31-1035A

556-06-04-007-1



WELL VELOCITIES

556-06-04-007

CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-007

SPs 75-7

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978

RECORDING SYSTEM OPS V SEG B SOURCE DYNAMITE

SPREAD GEOMETRY 5280-220X 220-5280 No TRACES 48

GROUP INT. 220 FT. S-P INT. 1320 FT. FOLD 400 %

SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS

SOURCE GEOMETRY SINGLE HOLE

SOURCE SIZE 50-100 lbs. FIELD FILTER B/124

900 PACKAGE PROCESSING

PRE-PROCESSING

- [ ] TRANSLATION _____ TRACK TO 21 TRACK
- [ ] TRANSCRIPTION: _____ ANALOG TO DIGITAL
- [ ] VERTICAL STACK: _____ TO 1
- [ ] VIBROSEIS CORRELATION SWEEP _____ TO _____ HZ
- [1] BINARY GAIN/TRUE AMPLITUDE RECOVERY
- [ ] NORMAL MOVEOUT
- [3] DECONVOLUTION: TYPE WHITENING 10 %
  No OPERATORS PER TRACE 2
  DESIGN GATE 800 TO 2800 MS
  OPERATOR LENGTH 96 MS
- [2] CDP GATHER
- [4] EQUALIZATION
- [6] VELOCITY ANALYSIS
  TYPE VFS

STATIC CORRECTIONS

- [8] DATUM STATICS: DATUM 1600 FT
  VELOCITY 10000 FT/SEC
  [X] ELEVATION/UPHOLE CORRECTIONS
  [X] WEATHERING CORRECTIONS
- [5] CORRELATION STATICS: No OF GATES 2
- [ ] FLATTENED AT _____ MS
- [9] OTHER CORRELATION STATICS APPLIED

POST PROCESSING

- [7] NORMAL MOVEOUT
- [10] FIRST BREAK SUPPRESSION
- [11] CDP STACK 4 FOLD
- [12] DIGITAL FILTER
  8-40 HZ / 8-25 HZ
  0
- [13] EQUALIZATION

OTHER PROCESSES

- [ ] _____
- [ ] _____
- [ ] _____

DISPLAY FILTER OUT-OUT GAIN _____ DB

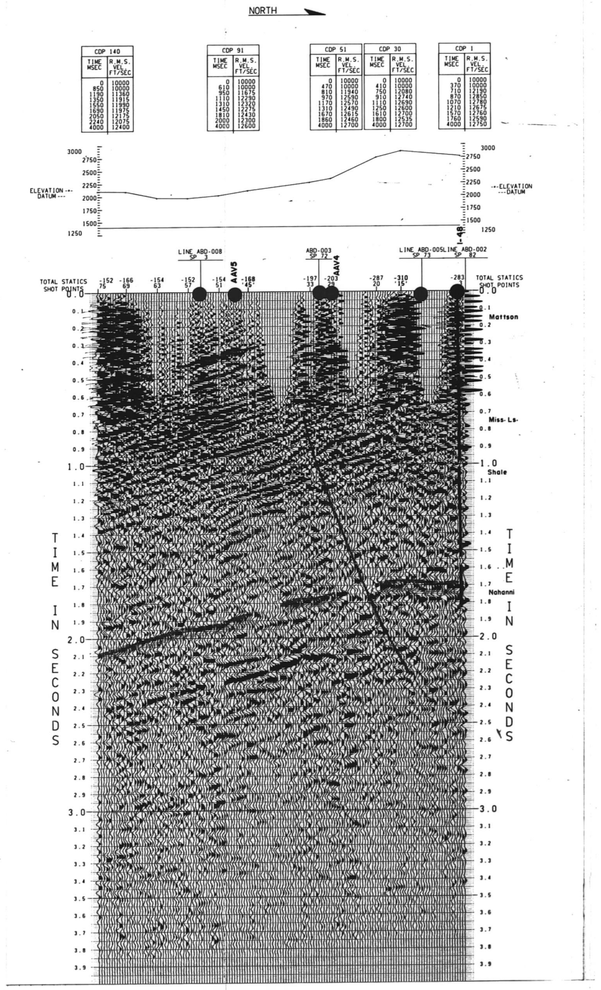
COMMENTS _____

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 133620 DATE DEC./78

G31-1838A

556-06-04-007-9



556-06-04-007

WELL VELOCITIES

CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-006

SPs 3-75

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978

RECORDING SYSTEM DFS V SEG B SOURCE DYNAMITE

SPREAD GEOMETRY 5280-220 X 220-5280 No TRACES 48

GROUP INT. 220 FT SP INT. 1320 FT FOLD 400 %

SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS

SOURCE GEOMETRY SINGLE HOLE

SOURCE SIZE 50-100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING

- ☐ TRANSLATION ____ TRACK TO 21 TRACK
- ☐ TRANSCRIPTION ____ ANALOG TO DIGITAL
- ☐ VERTICAL STACK: ____ TO 1
- ☐ VIBROSEIS CORRELATION SWEEP ____ TO ____ HZ
- 1 BINARY GAIN/TRUE AMPLITUDE RECOVERY
- ☐ NORMAL MOVEOUT
- 3 DECONVOLUTION: TYPE WHITENING 10 %; No OPERATORS PER TRACE 1; DESIGN GATE 800 TO 2800; OPERATOR LENGTH 96 MS
- 2 CDP GATHER
- 4 EQUALIZATION
- 6 VELOCITY ANALYSIS TYPE VFS

STATIC CORRECTIONS

- 8 DATUM STATICS: DATUM 1400 FT; VELOCITY 10000 FT/SEC
  - ☒ ELEVATION/UPHOLE CORRECTIONS
  - ☒ WEATHERING CORRECTIONS
- 5 CORRELATION STATICS: No OF GATES 2
- ☐ FLATTENED AT ____ MS
- 9 OTHER CORRELATION STATICS APPLIED

POST PROCESSING

- 7 NORMAL MOVEOUT
- 10 FIRST BREAK SUPPRESSION
- 11 CDP STACK 4 FOLD
- 12 DIGITAL FILTER

OTHER PROCESSES

- 13 EQUALIZATION
- ☐ _____
- ☐ _____

DISPLAY FILTER OUT-OUT GAIN ____ DB

COMMENTS _____

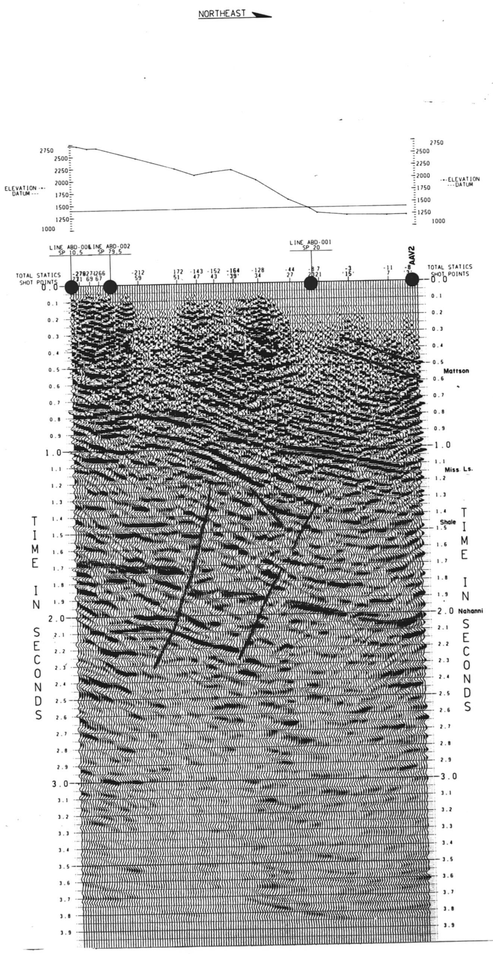
GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 133620 DATE DEC/78

031-1028A

556-06-04-007-11

556-06-04-007



CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-005

SPs 3-73

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY ____ DATE SEPT/1978
RECORDING SYSTEM DFS V SEG B SOURCE DYNAMITE
SPREAD GEOMETRY 5280-220X 220-5280 No TRACES 48
GROUP INT. 220 FT SP INT. 880 FT FOLD 600 %
SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS
SOURCE GEOMETRY SINGLE HOLE
SOURCE SIZE 50-100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- [ ] TRANSLATION ____ TRACK TO 21 TRACK
- [ ] TRANSCRIPTION ____ ANALOG TO DIGITAL
- [ ] VERTICAL STACK: ____ TO 1
- [ ] VIBROSEIS CORRELATION SWEEP ____ TO ____ HZ
- [1] BINARY GAIN/TRUE AMPLITUDE RECOVERY
- [ ] NORMAL MOVEOUT
- [3] DECONVOLUTION: TYPE WHITENING 10%, No OPERATORS PER TRACE 1, DESIGN GATE 800 TO 2800, OPERATOR LENGTH 96 MS
- [2] CDP GATHER
- [4] EQUALIZATION
- [6] VELOCITY ANALYSIS: TYPE XFB
- [8] DATUM STATICS: DATUM 1400 FT, VELOCITY 10000 FT/SEC
  - [X] ELEVATION/UPHOLE CORRECTIONS
  - [X] WEATHERING CORRECTIONS
- [5] CORRELATION STATICS: No OF GATES 2
- [ ] FLATTENED AT ____ MS
- [9] OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- [7] NORMAL MOVEOUT
- [10] FIRST BREAK SUPPRESSION
- [11] CDP STACK 6 FOLD
- [12] DIGITAL FILTER
  - 8-40HZ / 8-25HZ
  - 0

OTHER PROCESSES
- [13] EQUALIZATION
- [14] MIGRATION
- [ ]
- [ ]

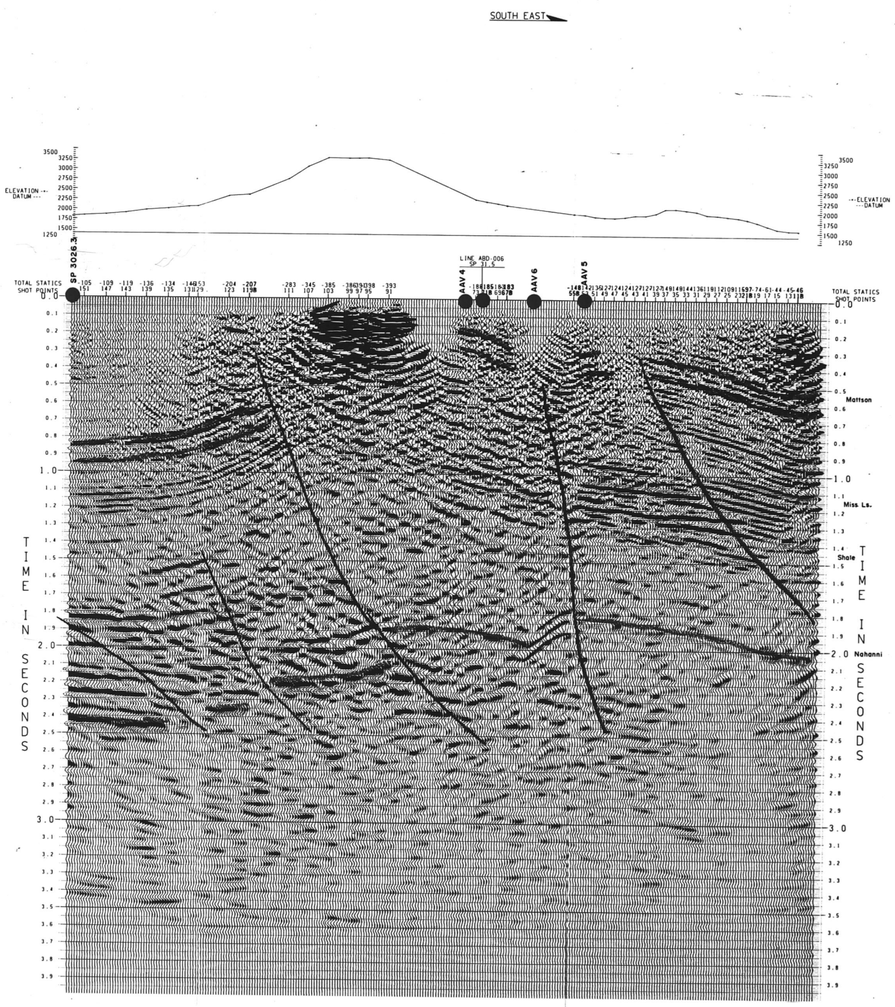
DISPLAY FILTER OUT-OUT GAIN ____ DB
COMMENTS

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 13620 DATE DEC/78

GSI-1658A

556-06-04-007-10



55C-06-04-007

CLIENT COLUMBIA OIL AND GAS
AREA KOTANEELEE
LINE ABD-003
SPs 11-155

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY DATE SEPT/1978
RECORDING SYSTEM DFS V SEG B SOURCE DYNAMITE
SPREAD GEOMETRY 5280-220 X 220-5280 No TRACES 48
GROUP INT. 220 FT. S-P INT. 880 FT. FOLD 600 %
SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS
SOURCE GEOMETRY SINGLE HOLE
SOURCE SIZE 50-100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- ☐ TRANSLATION TRACK TO 21 TRACK
- ☐ TRANSCRIPTION ANALOG TO DIGITAL
- ☐ VERTICAL STACK TO 1
- ☐ VIBROSEIS CORRELATION SWEEP TO HZ
- 1 BINARY GAIN/TRUE AMPLITUDE RECOVERY
- ☐ NORMAL MOVEOUT
- 3 DECONVOLUTION: TYPE WHITENING 10%, No OPERATORS PER TRACE 1, DESIGN GATE 800 TO 2500, OPERATOR LENGTH 36 MS

STATIC CORRECTIONS
- 2 CDP GATHER
- 4 EQUALIZATION
- 6 VELOCITY ANALYSIS
- 8 DATUM STATICS: TYPE VFS, DATUM 1600 FT, VELOCITY 10000 FT/SEC
  - ☒ ELEVATION/UPHOLE CORRECTIONS
  - ☒ WEATHERING CORRECTIONS
- 5 CORRELATION STATICS: No OF GATES 2
- ☐ FLATTENED AT MS
- 9 OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- 7 NORMAL MOVEOUT
- 10 FIRST BREAK SUPPRESSION
- 11 CDP STACK 6 FOLD
- 12 DIGITAL FILTER
  - 8-40 HZ / 8-25 HZ

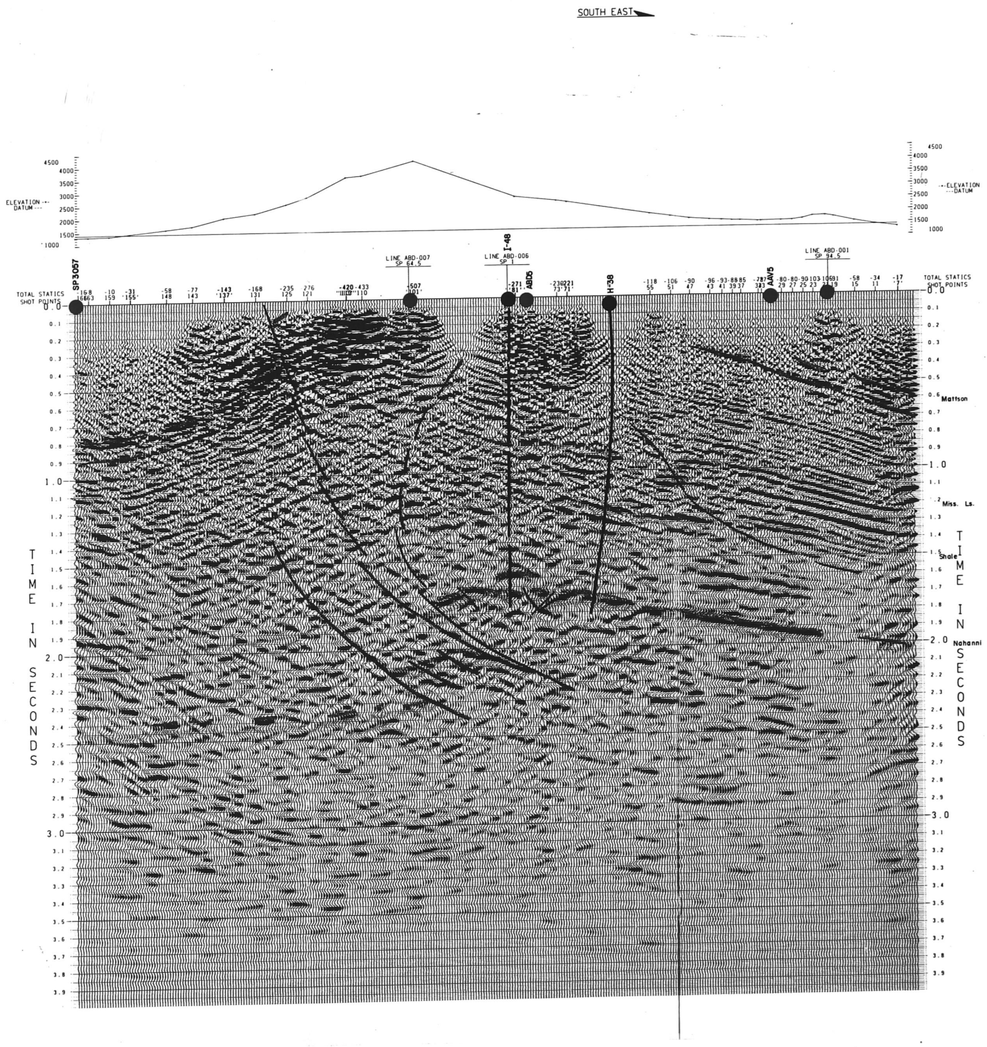
OTHER PROCESSES
- 13 EQUALIZATION
- 14 MIGRATION
- ☐
- ☐

DISPLAY FILTER OUT-OUT GAIN DB
COMMENTS

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 13620 DATE DEC/78

556-06-04-007-12



556-06-04-007

CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-002

SPs 7-166

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY DATE SEPT/1978

RECORDING SYSTEM DFS V SEG B SOURCE DYNAMITE

SPREAD GEOMETRY 5280-220 X 220-5280 No TRACES 48

GROUP INT. 220 FT SP INT. 880 FT FOLD 600 %

SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS

SOURCE GEOMETRY SINGLE HOLE

SOURCE SIZE 50-100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- [ ] TRANSLATION TRACK TO 21 TRACK
- [ ] TRANSCRIPTION ANALOG TO DIGITAL
- [ ] VERTICAL STACK TO 1
- [ ] VIBROSEIS CORRELATION SWEEP TO HZ
- [1] BINARY GAIN/TRUE AMPLITUDE RECOVERY
- [ ] NORMAL MOVEOUT
- [3] DECONVOLUTION: TYPE WHITENING 10 %, No OPERATORS PER TRACE 3, DESIGN GATE 800 TO 2900 MS, OPERATOR LENGTH 96 MS
- [2] CDP GATHER
- [4] EQUALIZATION
- [6] VELOCITY ANALYSIS TYPE VFS

STATIC CORRECTIONS
- [8] DATUM STATICS: DATUM 1400 FT, VELOCITY 10000 FT/SEC
  - [X] ELEVATION/UPHOLE CORRECTIONS
  - [X] WEATHERING CORRECTIONS
- [5] CORRELATION STATICS: No OF GATES 2
- [ ] FLATTENED AT MS

POST PROCESSING
- [9] OTHER CORRELATION STATICS APPLIED
- [7] NORMAL MOVEOUT
- [10] FIRST BREAK SUPPRESSION
- [11] CDP STACK 6 FOLD
- [12] DIGITAL FILTER
  - 8-40 HZ
  - 8-25 HZ

OTHER PROCESSES
- [13] EQUALIZATION
- [14] MIGRATION

DISPLAY FILTER OUT-OUT GAIN DB

COMMENTS

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

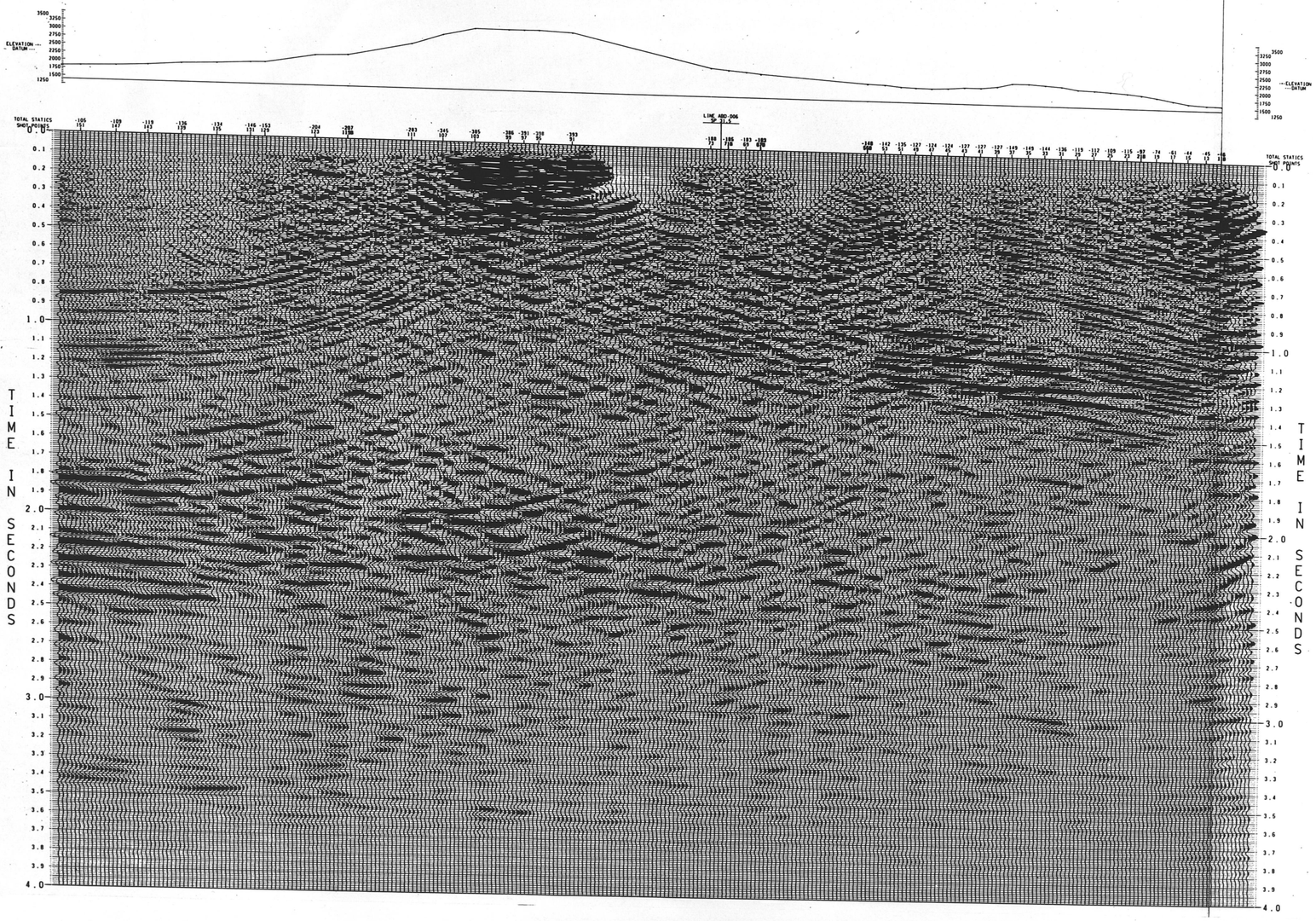
PARTY 4403 PROJECT 133620 DATE DEC/78

G31-1020A

256-6-4-7-2

LINE ABD-00

SOUTH EAST



CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-003

SPs 11-155

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978
RECORDING SYSTEM DFS V, SEG B SOURCE DYNAMITE
SPREAD GEOMETRY 5280-220 X 220-5280 No TRACES 48
GROUP INT. 220 FT. S.P. INT. 880 FT. FOLD 600 %
SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS
SOURCE GEOMETRY SINGLE HOLE
SOURCE SIZE 50-100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- [ ] TRANSLATION ____ TRACK TO 21 TRACK
- [ ] TRANSCRIPTION ____ ANALOG TO DIGITAL
- [ ] VERTICAL STACK ____ TO 1
- [ ] VIBROSIS CORRELATION SWEEP ____ TO ____ HZ
- [1] BINARY GAIN/TRUE AMPLITUDE RECOVERY
- [ ] NORMAL MOVEOUT
- [3] DECONVOLUTION: TYPE WHITENING 10 %, No OPERATORS PER TRACE 2, DESIGN GATE 800 TO 3500, OPERATOR LENGTH 96 MS

STATIC CORRECTIONS
- [2] CDP GATHER
- [4] EQUALIZATION
- [6] VELOCITY ANALYSIS
- [8] DATUM STATICS: TYPE VFR, DATUM 1500 FT, VELOCITY 10000 FT/SEC
  - [ ] ELEVATION/UPHOLE CORRECTIONS
  - [ ] WEATHERING CORRECTIONS
- [5] CORRELATION STATICS: No OF GATES 2
- [ ] FLATTENED AT ____ MS
- [9] OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- [7] NORMAL MOVEOUT
- [10] FIRST BREAK SUPPRESSION
- [11] CDP STACK 6 FOLD
- [12] DIGITAL FILTER
  - 0 - 40 HZ
  - 0 - 25 HZ

OTHER PROCESSES
- [15] EQUALIZATION
- [14] MIGRATION

DISPLAY FILTER ___ OUT-OUT ___ GAIN ___ DB

COMMENTS _____

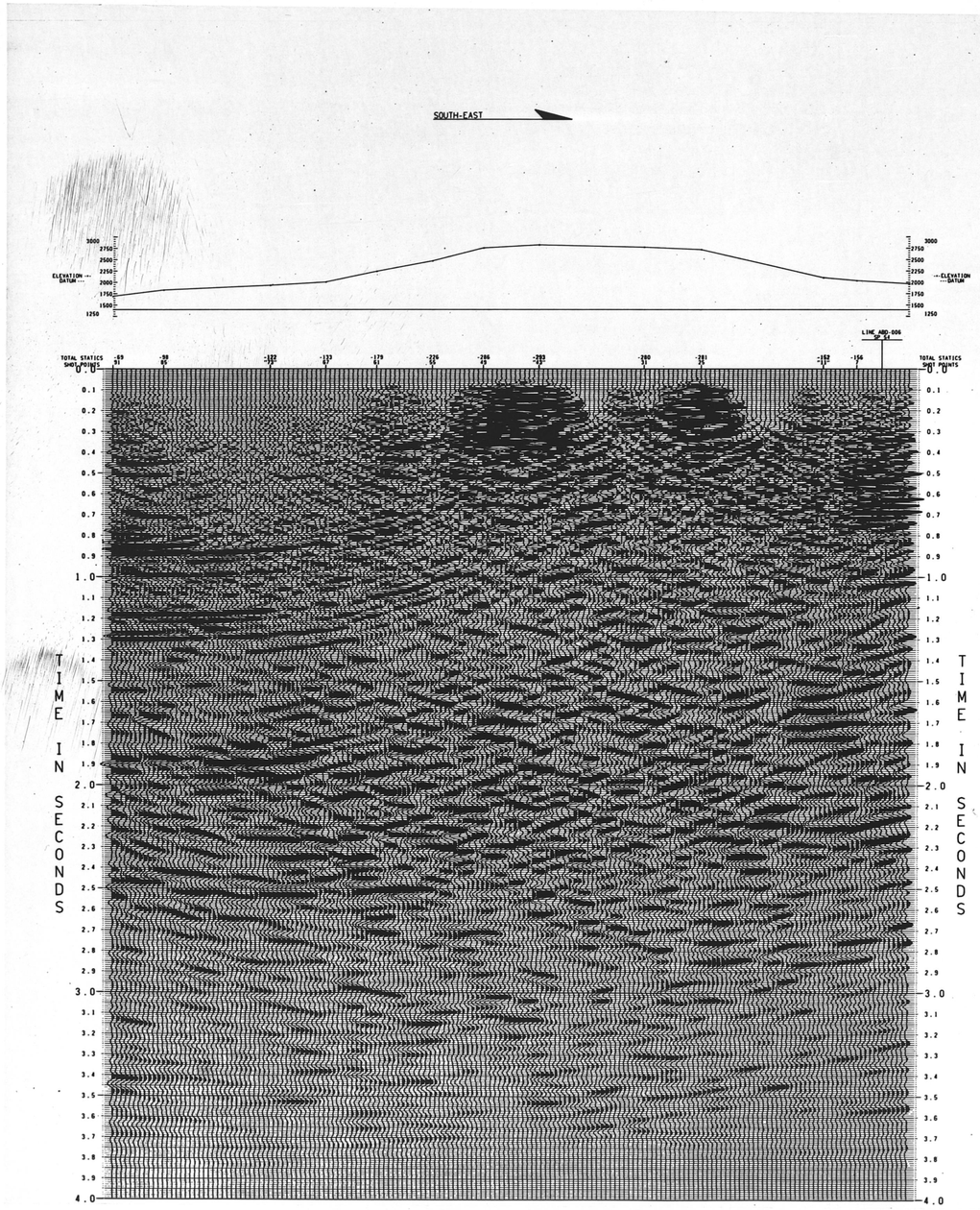
GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 133620 DATE DEC./78

55 6-06-04-007

256-6-4-7-8

LINE ABD-00



CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-008

SPs 1-91

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978

RECORDING SYSTEM DFS V SEG B SOURCE DYNAMITE

SPREAD GEOMETRY 5280-220X 220-5280 No TRACES 48

GROUP INT. 220 FT SP INT. 1320 FT FOLD 600 %

SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS

SOURCE GEOMETRY SINGLE HOLE

SOURCE SIZE 50-100 lbs FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- [ ] TRANSLATION _____ TRACK TO 21 TRACK
- [ ] TRANSCRIPTION _____ ANALOG TO DIGITAL
- [ ] VERTICAL STACK: _____ TO 1
- [ ] VIBROSEIS CORRELATION SWEEP _____ TO _____ HZ
- [1] BINARY GAIN/TRUE AMPLITUDE RECOVERY
- [ ] NORMAL MOVEOUT
- [3] DECONVOLUTION: TYPE WHITENING 10 %, No OPERATORS PER TRACE 1, DESIGN GATE 3000 TO 8000, OPERATOR LENGTH 128 MS

- [2] CDP GATHER
- [4] EQUALIZATION
- [6] VELOCITY ANALYSIS TYPE VIR

STATIC CORRECTIONS
- [8] DATUM STATICS: DATUM 3600 FT, VELOCITY 12000 FT/SEC
- [X] ELEVATION/UPHOLE CORRECTIONS
- [X] WEATHERING CORRECTIONS
- [5] CORRELATION STATICS: No OF GATES 2
- [ ] FLATTENED AT _____ MS
- [9] OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- [7] NORMAL MOVEOUT
- [10] FIRST BREAK SUPPRESSION
- [11] CDP STACK 6 FOLD
- [12] DIGITAL FILTER

8-40 HZ / 8-25 HZ

OTHER PROCESSES
- [13] EQUALIZATION
- [14] MIGRATION

DISPLAY FILTER OUT-OUT GAIN DB

COMMENTS

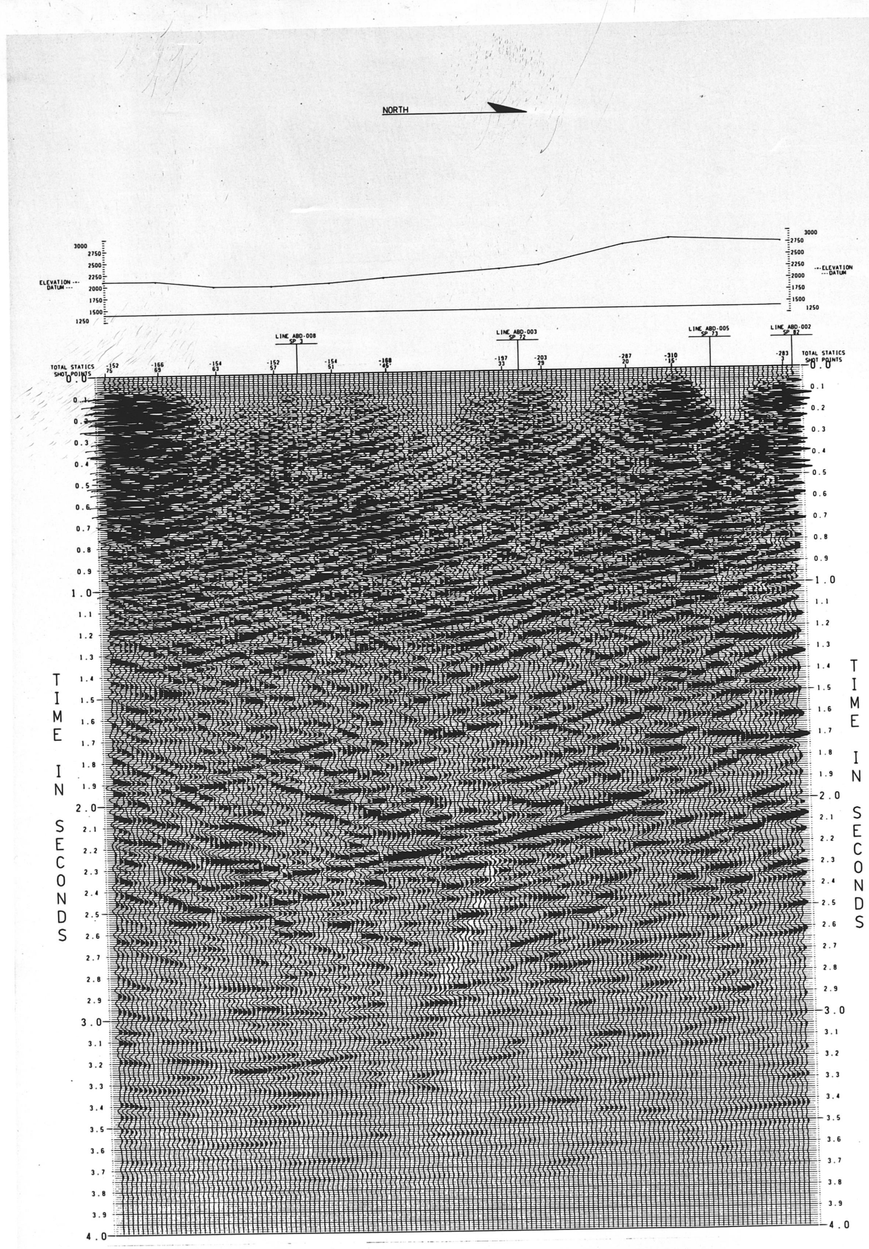
GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 13620 DATE DEC/78

85-6-6-4-107

556-6-4-7-5

LINE ABD-006



CLIENT COLUMBIA OIL AND GAS

AREA KOTANEELEE

LINE ABD-006

SPs 3-75

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978

RECORDING SYSTEM DFS V SEG B SOURCE DYNAMITE

SPREAD GEOMETRY 3280-220X 220-3280 No TRACES 48

GROUP INT 220 FT S-P INT 1320 FT FOLD 400 %

SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS

SOURCE GEOMETRY SINGLE HOLE

SOURCE SIZE 50-100 lbs FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- [ ] TRANSLATION ____ TRACK TO 21 TRACK
- [ ] TRANSCRIPTION ____ ANALOG TO DIGITAL
- [ ] VERTICAL STACK ____ TO 1
- [ ] VIBROSEIS CORRELATION SWEEP ____ TO ____ HZ
- [1] BINARY GAIN/TRUE AMPLITUDE RECOVERY
- [ ] NORMAL MOVEOUT
- [3] DECONVOLUTION - TYPE SHAPING 95% 1 to OPERATOR PER TRACE 1 DESIGN GATE 800 TO 3800 OPERATOR LENGTH 88 MS

- [2] CDP GATHER
- [4] EQUALIZATION
- [4] VELOCITY ANALYSIS

STATIC CORRECTIONS
- [5] DATUM STATICS: TYPE VEL DATUM 1600 FT VELOCITY 10000 FT/SEC
  - [X] ELEVATION/UPHOLE CORRECTIONS
  - [X] WEATHERING CORRECTIONS
- [6] CORRELATION STATICS: No OF GATES 2
- [ ] FLATTENED AT ____ MS
- [ ] OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- [7] NORMAL MOVEOUT
- [10] FIRST BREAK SUPPRESSION
- [11] CDP STACK 6 FOLD
- [12] DIGITAL FILTER

OTHER PROCESSES
- [13] EQUALIZATION
- [14] MIGRATION

DISPLAY FILTER OUT-OUT GAIN ____ DB

COMMENTS

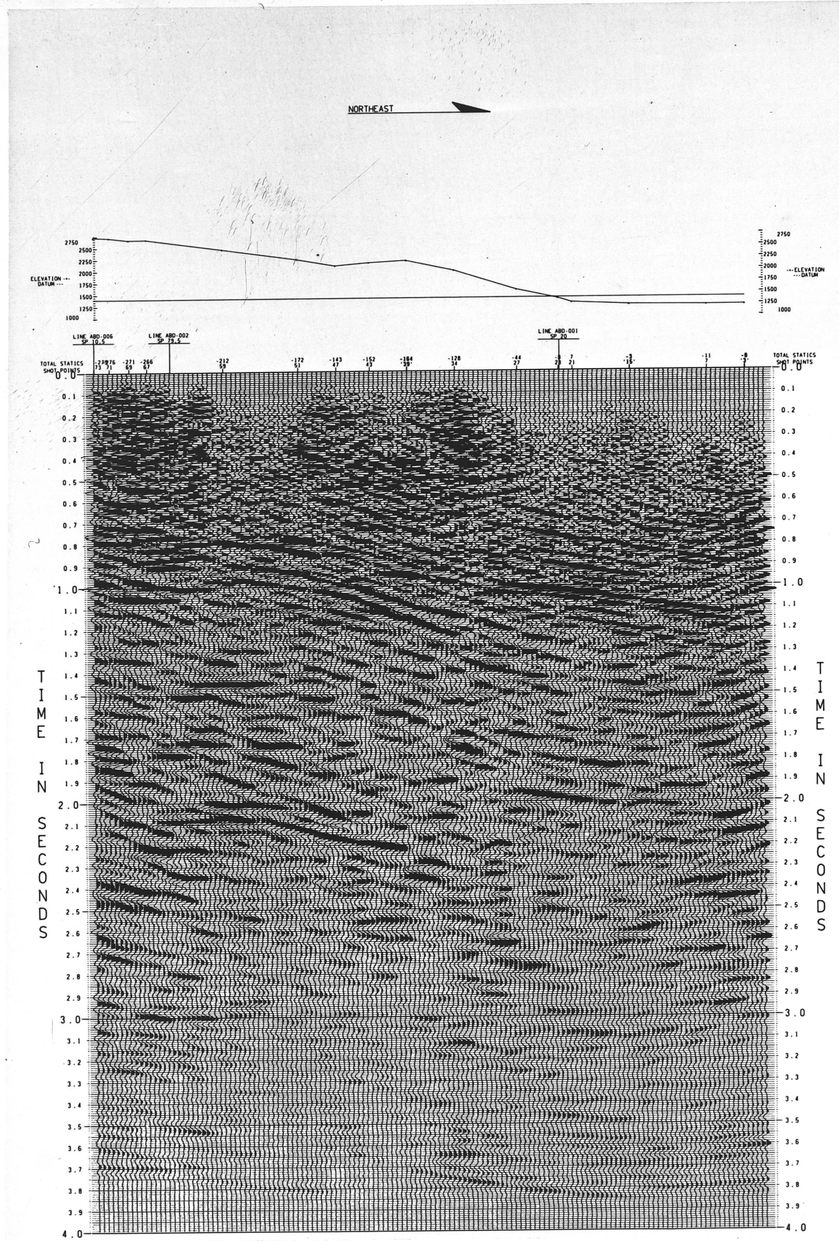
GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 133620 DATE DEC/78

55 6-08-04-007

256-6-4-7-6

LINE ABD-005



CLIENT COLUMBIA OIL AND GAS
AREA KOTANELEE
LINE ABD-005
SPs 3-73

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978
RECORDING SYSTEM DFS V SEG B SOURCE DYNAMITE
SPREAD GEOMETRY 5280 - 220 X 220 - 5280 No TRACES 48
GROUP INT. 220 FT. S-P INT. 880 FT. FOLD 600 %
SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS
SOURCE GEOMETRY SINGLE HOLE
SOURCE SIZE 50 - 100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- [ ] TRANSLATION ____ TRACK TO 21 TRACK
- [ ] TRANSCRIPTION ____ ANALOG TO DIGITAL
- [ ] VERTICAL STACK: ____ TO 1
- [ ] VIBROSEIS CORRELATION SWEEP ____ TO ____ HZ
- [1] BINARY GAIN/TRUE AMPLITUDE RECOVERY
- [ ] NORMAL MOVEOUT
- [3] DECONVOLUTION: TYPE SHAPING 10 %; OPERATOR PER TRACE 1; DESIGN GATE 600 TO 2600; OPERATOR LENGTH 80 MS
- [2] CDP GATHER
- [4] EQUALIZATION
- [6] VELOCITY ANALYSIS

STATIC CORRECTIONS
- [5] DATUM STATICS: TYPE VFR; DATUM 1600 FT; VELOCITY 10000 FT/SEC
  - [X] ELEVATION/UPHOLE CORRECTIONS
  - [X] WEATHERING CORRECTIONS
- [8] CORRELATION STATICS: No OF GATES 2
- [ ] FLATTENED AT ____ MS
- [9] OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- [7] NORMAL MOVEOUT
- [10] FIRST BREAK SUPPRESSION
- [11] CDP STACK 8 FOLD
- [12] DIGITAL FILTER: 8 - 60 HZ / 8 - 25 HZ

OTHER PROCESSES
- [13] EQUALIZATION
- [14] MIGRATION
- [ ]
- [ ]

DISPLAY FILTER OUT-OUT GAIN ____ DB
COMMENTS

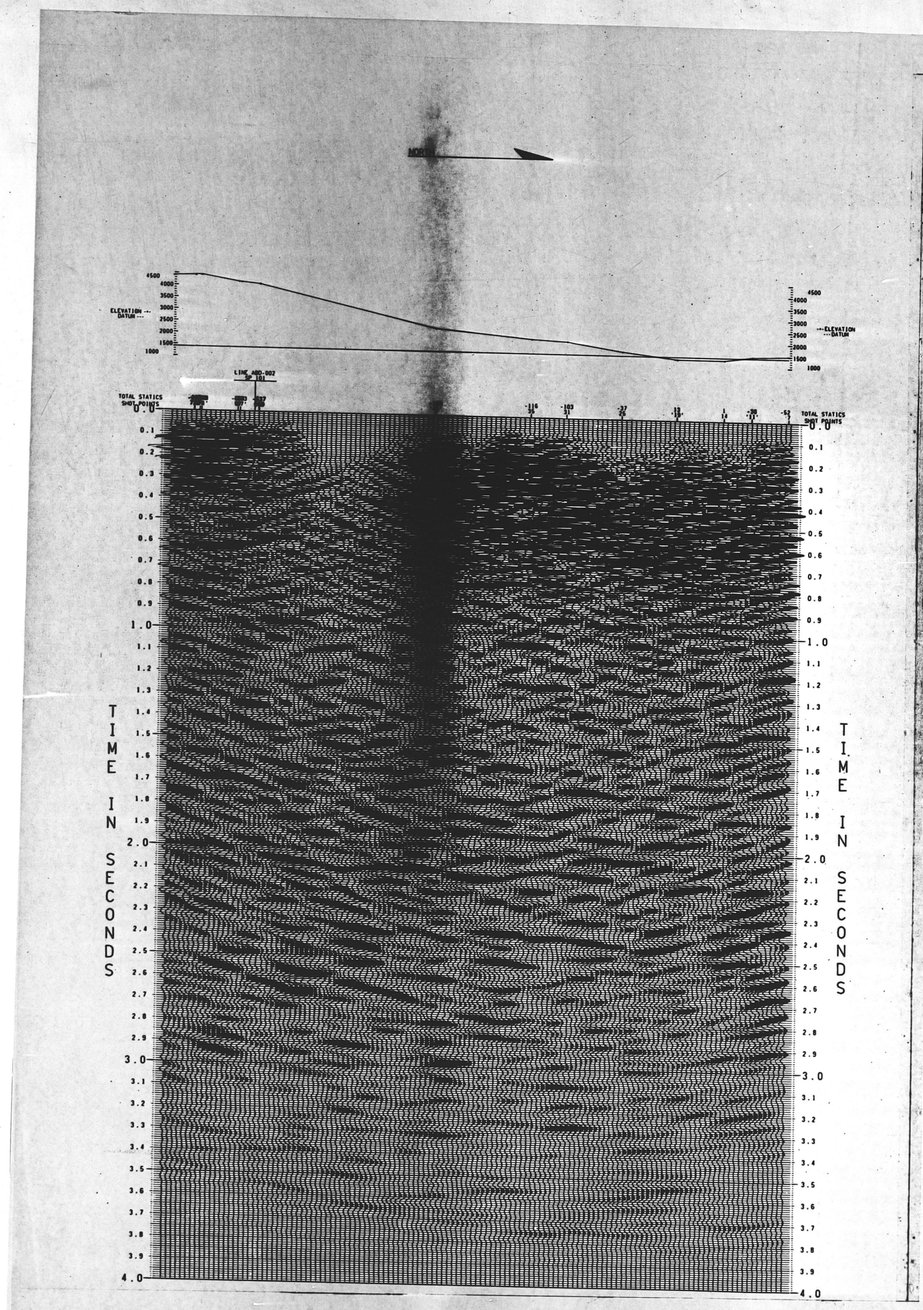
GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA

PARTY 4403 PROJECT 13620 DATE DEC/78

256-6-04-007

256-6-4-7-3

LINE ABD-00



CLIENT COLUMBIA OIL AND GAS
AREA KOTANELEE
LINE ABD-007
SPs 7-75

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978
RECORDING SYSTEM DFS V 1600 S SOURCE DYNAMITE
SPREAD GEOMETRY 2880 - 220 X 220 - 2880 No TRACES 48
GROUP INT. 220 FT. SP INT. 1320 FT. FOLD 400 %
SEISMOMETERS PER GROUP 12 AT 12 FOOT INTERVALS
SOURCE GEOMETRY SINGLE HOLE
SOURCE SIZE 80 - 100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- ☐ TRANSLATION TRACK TO 21 TRACK
- ☐ TRANSCRIPTION ANALOG TO DIGITAL
- ☐ VERTICAL STACK TO 1
- ☐ WIBERGRAMS CORRELATION SWEEP TO HZ
- ☑ BINARY GAIN/TRUE AMPLITUDE RECOVERY
- ☐ NORMAL MOVEOUT
- ☑ DECONVOLUTION: TYPE SHOTHORN 95%
  TO EMPHASIZE PER TRACK
  DESIGN GATE TO MSEC
  OPERATOR LENGTH 128 MS

☑ 2 CDP GATHER
☑ 4 EQUALIZATION
☑ 6 VELOCITY ANALYSIS

STATIC CORRECTIONS
- ☑ 8 DATUM STATICS: TYPE VITH
  DATUM 1600 FT
  VELOCITY 6000 FT/SEC
  ☑ ELEVATION/UPHOLE CORRECTIONS
  ☑ WEATHERING CORRECTIONS
- ☑ 9 CORRELATION STATICS: No OF GATES 2
- ☐ FLATTENED AT MS
- ☑ 9 OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- ☑ 7 NORMAL MOVEOUT
- ☑ 10 FIRST BREAK SUPPRESSION
- ☑ 11 CDP STACK 6 FOLD
- ☑ 12 DIGITAL FILTER

  0-40 HZ / 0-25 HZ

OTHER PROCESSES
- ☑ 13 EQUALIZATION
- ☑ 14 MIGRATION

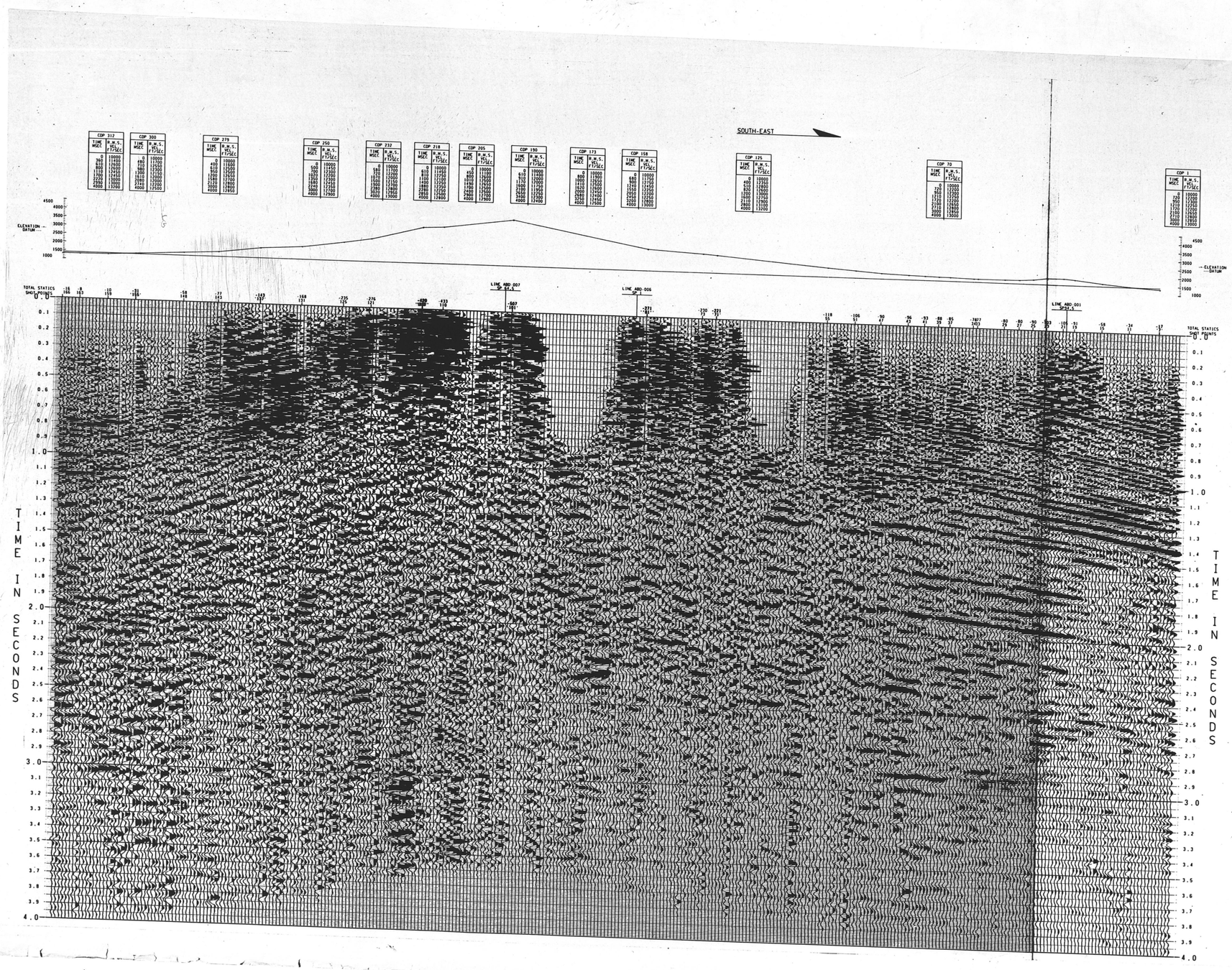
DISPLAY FILTER OUT-OUT GAIN DB
COMMENTS

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA
PARTY 4403 PROJECT 133620 DATE DEC./78

55-06-04-007

556-6-4-7122

LINE ABD-00



SCAT VELOCITIES

CLIENT COLUMBIA OIL AND GAS
AREA KOTANELEE
LINE ABD-002
SP's 7-166

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978
RECORDING SYSTEM DFS V 96S B SOURCE DYNAMITE
SPREAD GEOMETRY 5280-220 X 220-5280 No TRACES 48
GROUP INT. 220 FT. SP INT. 1320 FT. FOLD 4200 %
SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS
SOURCE GEOMETRY SINGLE HOLE
SOURCE SIZE 50-100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- ☐ TRANSLATION TRACK TO 21 TRACK
- ☐ TRANSCRIPTION ANALOG TO DIGITAL
- ☐ VERTICAL STACK TO 1
- ☐ VIBROSIS CORRELATION SWEEP TO HZ
- ☐ BINARY GAIN/TRUE AMPLITUDE RECOVERY
- ☐ NORMAL MOVEOUT
- ☒ 3 DECONVOLUTION: TYPE SPIKING 82% Pre-DECONVOLUTION PER TRACE ☐ DESIGN GATE 1500 TO 3000 OPERATOR LENGTH 168 MS
- ☒ 4 CDP GATHER
- ☒ 5 EQUALIZATION
- ☒ 6 VELOCITY ANALYSIS TYPE VPR

STATIC CORRECTIONS
- ☒ 8 DATUM STATICS: DATUM 1500 FT; VELOCITY 10000 FT/SEC
- ☒ ELEVATION/UPHOLE CORRECTIONS
- ☒ WEATHERING CORRECTIONS
- ☒ 9 CORRELATION STATICS: No OF GATES 2
- ☐ FLATTENED AT MS
- ☐ 9 OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- ☒ 7 NORMAL MOVEOUT
- ☒ 10 FIRST BREAK SUPPRESSION
- ☒ 11 CDP STACK 6 FOLD
- ☒ 12 DIGITAL FILTER
  - 8-40 HZ
  - 8-25 HZ

OTHER PROCESSES
- ☒ 15 EQUALIZATION
- ☐
- ☐

DISPLAY FILTER OUT-OUT GAIN DB
COMMENTS

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA
PARTY 4403 PROJECT 13620 DATE DEC/78

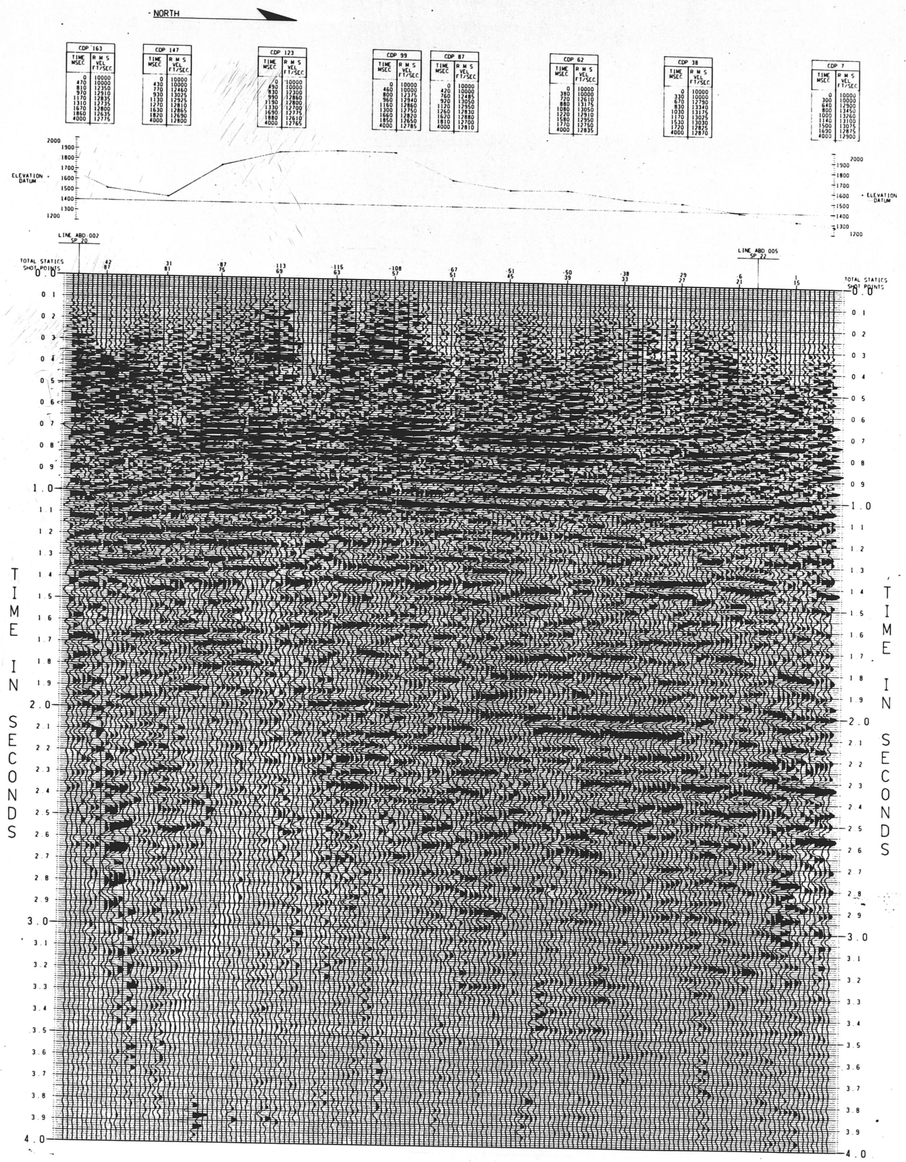
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OTTAWA COPY

256-6-4-7-1

LINE ABD-00



WELL VELOCITIES

CLIENT COLUMBIA OIL AND GAS
AREA KOTANEELEE
LINE ABD-001
SPs 9-93

FIELD PARAMETERS

SHOT BY FAIRFIELD INDUSTRIES PARTY _____ DATE SEPT/1978
RECORDING SYSTEM DFS V, SEG B SOURCE DYNAMITE
SPREAD GEOMETRY 5280-220 X 220-5280 No TRACES 48
GROUP INT. 220 FT. S-P INT. 1320 FT. FOLD 400 %
SEISMOMETERS PER GROUP 18 AT 12 FOOT INTERVALS
SOURCE GEOMETRY SINGLE HOLE
SOURCE SIZE 50-100 lbs. FIELD FILTER 8/124

900 PACKAGE PROCESSING

PRE-PROCESSING
- ☐ TRANSLATION ____ TRACK TO 21 TRACK
- ☐ TRANSCRIPTION ____ ANALOG TO DIGITAL
- ☐ VERTICAL STACK ____ TO 1
- ☐ VIBROSEIS CORRELATION SWEEP ____ TO ____ HZ
- 1 BINARY GAIN/TRUE AMPLITUDE RECOVERY
- ☐ NORMAL MOVEOUT
- 3 DECONVOLUTION: TYPE SHAPING 0.5% No OPERATORS FILTERED 2 DESIGN GATE 800 TO 2800 OPERATOR LENGTH 56 MS

STATIC CORRECTIONS
- 2 CDP GATHER
- 4 EQUALIZATION
- 6 VELOCITY ANALYSIS TYPE VFS
- 8 DATUM STATICS: DATUM 1400 FT VELOCITY 10000 FT/SEC ☒ ELEVATION/UPHOLE CORRECTIONS ☒ WEATHERING CORRECTIONS
- 5 CORRELATION STATICS: No OF GATES 2
- ☐ FLATTENED AT ____ MS
- 9 OTHER CORRELATION STATICS APPLIED

POST PROCESSING
- 7 NORMAL MOVEOUT
- 10 FIRST BREAK SUPPRESSION
- 11 CDP STACK 4 FOLD
- 12 DIGITAL FILTER 8-40HZ / 8-25HZ

OTHER PROCESSES
- 13 EQUALIZATION
- ☐
- ☐
- ☐

DISPLAY FILTER OUT-OUT GAIN ____ DB
COMMENTS

GEOPHYSICAL SERVICE INCORPORATED
CALGARY ALBERTA
PARTY 4403 PROJECT 133620 DATE DEC/78

ES 6-06-04-004