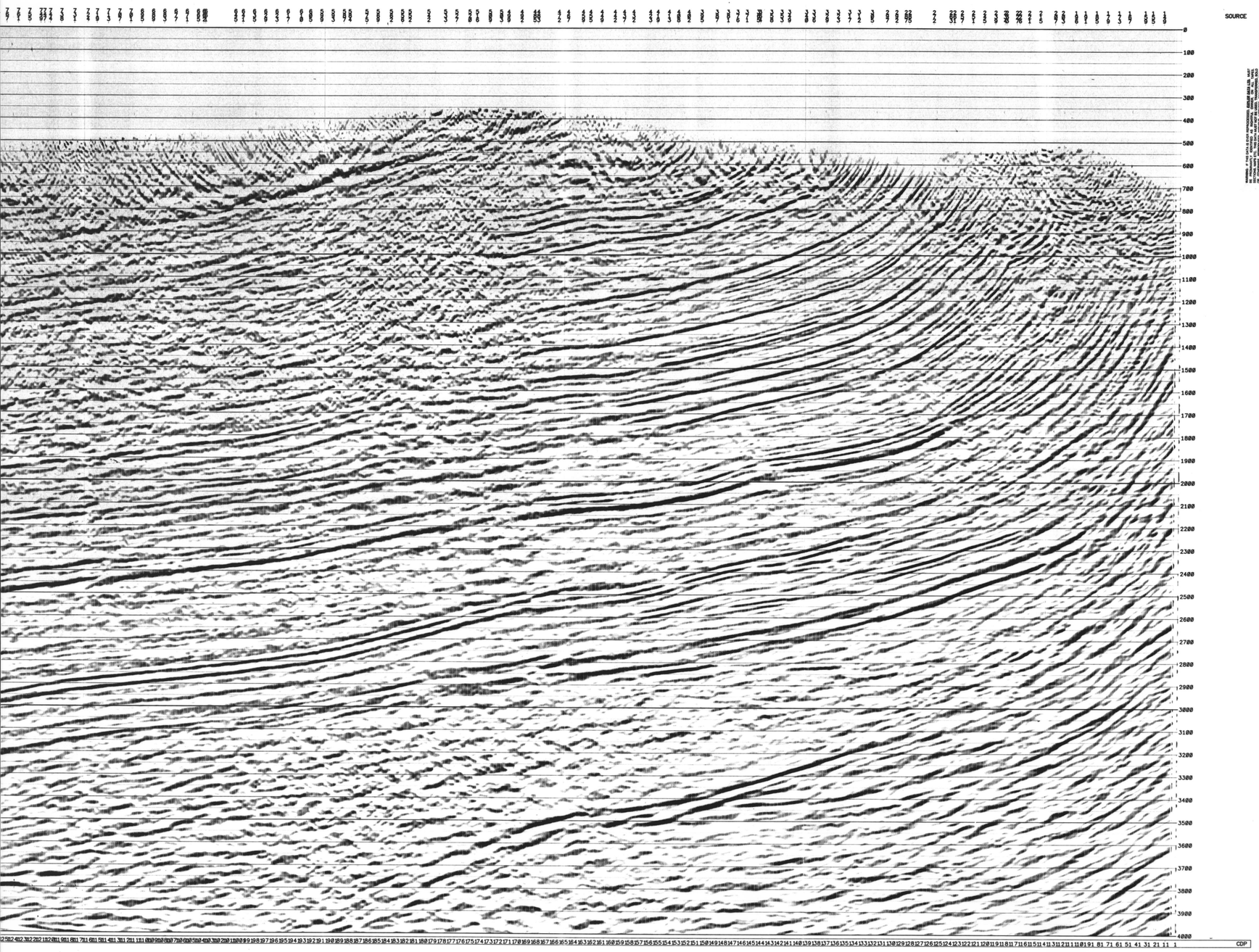
9229-E34-1P



SOURCE

North East

EXPLOR DATA LTD.

SWM - 1

SP 1516-139 MIGRATION

FIELD PARAMETERS

```
LINE   6PVD
PROJECT   BUNDLE
PROCEDURE  STK - 1515X
PROCESSOR  UNIT CANADA
PROCESSING  SEISMIC SERVICES
DATE  SEP 1999  SOFTWARE - 6 VERITAS   MEGD Dc-> NE TR/PROFILE=458, COV = 3758N
OPERATOR  KEN  SPREAD  SPOT  - 4488 M.  SPOT  - 2M  SOURCE  DEPTH-.08 M.
SOURCE  SLED  SOURCE  - 1.8 SOUR.  - 2 PORT  2M  SOURCE  DEPTH-.08 M.
INSTRUMENT  SYSTEM  - 1.8 SOUR.  - 2 PORT  2M  SOURCE  DEPTH-.08 M.
INSTRUM. SYST  DFS-IV  FOR 96 CH.  FREQ. 5.3 HZ  GROUP  5.3 M H. APART
NOTCH/OUT  TAPE  INT=DEL 0
```

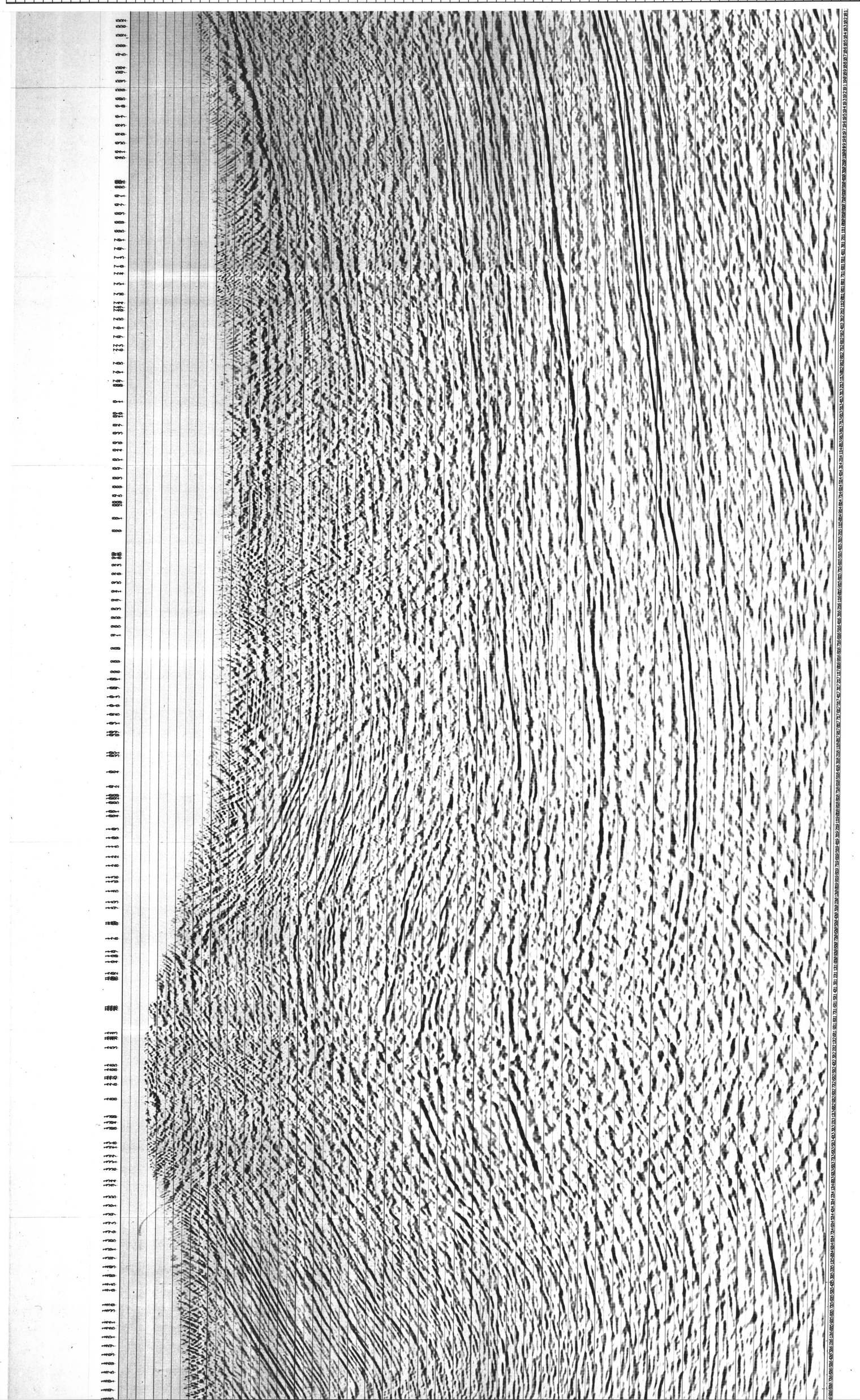
PROCESSING SEQUENCE

```
FLOW - ( 0) Load SEG-Y TR Statics Inv.   Fri Sep. 3 08:54:27 1999
  Output - 488 row first breaks load Add 85589 Over 0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        tr.fold = 1.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        ushots = 0.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        offset = offset/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        rec.elev = rec.elev/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        sou.elev = sou.elev/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        depth = int.depth/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        sou.x = sou.x/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        sou.y = sou.y/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        rec.x = rec.x/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        rec.y = rec.y/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        cdp.x = cdp.x/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        cdp.y = cdp.y/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        cdp.elev = cdp.elev/100.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        ts.pick = fbp:ch/100.00

FLOW - 0.0 geom extract  Thu Sep 30 17:01:30 1999
  Output - 488 temp Add 85589 Over 0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        cdp=cdp+1000
  Inline Geom Header Load
    Primary header to match database                     FFID
    Secondary header to match database                   None
    Drop traces with NULL CDP headers?                   No
    Drop traces with NULL receiver headers?              No
    Verbose diagnostics?                                 No

FLOW - 0.0 geom extract  Thu Sep 30 17:06:22 1999
  Output - 488 row shots Add 85589 Over 0
  Inline Geom Header Load
    Primary header to match database                     FFID
    Secondary header to match database                   None
    Drop traces with NULL CDP headers?                   No
    Drop traces with NULL receiver headers?              No
    Verbose diagnostics?                                 No

FLOW - 2.0 fgess DYN   Thu Sep 30 17:23:38 1999
  Output - 488 temp Add 84782 Over 0
  Database/Header Transfer
    Direction of transfer                                Load TO trace header FROM database
    First header entry                                   First break pick time
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        tr.ve = 1.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        tfat(i,j=ts.pick+20+(abs(offset/20)
  Trace Muting
    Re-ramp previous mutes                               Re-ramp
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        tr.ve=ve2.0
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        tr.ve=ve2.0
  Trace-Kill/Reverse
    Trace editing MODE                                   Kill
      PRIMARY edit list header word                      Source index number (internal)+
      SECONDARY edit list header word                    Trafling
      TERTIARY edit list header word                     No trace header entry selected
      SPECIFY traces to be edited
        1-99999:1/
  Trace-Kill/Reverse
    Trace editing MODE                                   Reverse
      PRIMARY edit list header word                      Source index number (internal)+
      SECONDARY edit list header word                    Trafling
      TERTIARY edit list header word                     No trace header entry selected
      SPECIFY traces to be edited
        1-99999:1/
  Filter Application
    Select filter type                                   Convolution
    APPLY filter dataset                                 emphasis filter
    for Apply GLI Refraction Statics                     No
    final datum elevation                                 1000
    Replacement velocity                                  1000
    NMO static method                                    Mean
    Length of smoother                                    25ms
    Processing DATUM type                                FLOATING DATUM
    Apply Spherical Divergence
    True Amplitude Recovery
      Scale for spherical spreading                      1/(time+ve1+ve2)
      Should the velocity be treated as                  Yes
    spherical?
      Select velocity parameter file                     final velocities
    APPLY function to data or REMOVE effect              Apply
    of amplitude corrections?
    Maximum application TIME                              6000.

FLOW - 2.0 fgess DYN   Thu Sep 30 17:44:51 1999
  Output - 488 temp1 Add 82387 Over 0
  Trace Muting
    Application Mode of AGC                              APPLY & SAVE
    AGC Operator Length (ms)                              75ms
    Line: Spar Length (ms)                                75ms
    Position of AGC Gain Application                     CENTERED
    Choice of AGC Start Times                            @ START TIME
    @ Offset Start Time of AGC (ms)                       0.
    Dip velocity (units/s) of AGC start                   5000.
    times with offset.)
    Normal Moveout Correction
    Direction for NMO application                        FORWARD
      Stretch mute percentage                            600.
    Apply any remaining static during                    Yes
    NMO?
    Anisotropy correction parameter sto                  0.
    Get velocities from the database?                    Yes
      Select Velocity parameter file                     final velocities
    F-K Filter
      Type of F-K filter                                 Arbitrary Polygon
      Get the filter impulse response?                   No.
      Get polygon mute file from the                     Yes
      database?
        Select mute parameter file                       dcsll.(w nmo)
    Mode of F-K filter operation                         REJECT
    F-K Filter
      Type of F-K filter                                 Arbitrary Polygon
      Get the filter impulse response?                   No.
      Get polygon mute file from the                     Yes
      database?
        Select mute parameter file                       dcsltrative (w nmo)
    Mode of F-K filter operation                         REJECT
    Trace Header Math
    Direction for NMO application                        INVERSE
    Anisotropy correction parameter sto                  0.
    Get velocities from the database?                    Yes
      Select Velocity parameter file                     final velocities
    AGC
    Application Mode of AGC                              REMOVE AGC
    AGC Operator Length (ms)                              75ms
    Line: Spar Length (ms)                                75ms
    Position of AGC Gain Application                     CENTERED
    Choice of AGC Start Times                            @ START TIME
    @ Offset Start Time of AGC (ms)                       0.
    Dip velocity (units/s) of AGC start                   5000.
    times with offset.)
    Header Delete
    Header entry                                         ogc_ecol

FLOW - 2.0 fgess DYN   Thu Sep 30 17:57:52 1999
  Output - 638 fgess Add 82387 Over 0
```

DISPLAY PARAMETERS

```
Mon Jun 17 11:49:11 2000                                 Static Shift = -8.
Trace/second = 250.                                      Trace/second = 7.5
Box Percent = 0                                          Clip Level = 1.
Gain Set = 8.62297                                       RMS Amplitude = 1.24584
Gain Constant = 580.802
```

```
Database/Header Transfer
  Direction of transfer                                  Load TO trace header FROM database
  First header entry                                     first break pick time
Surface Consistent Decon
  Get decon gates from the DATABASE?                     Yes

FLOW - 5.0 fds no radon  Tue Oct 19 09:49:38 1999
  Output - 488 fds Add 82387 Over 0
  Apply Residual Static shots
    Type of residual statics to apply                    Max. Power Autostatics
  Normal Moveout Correction
  Direction for NMO application                          FORWARD
    Stretch mute percentage                              600.
    Apply any remaining static during                    Yes
    NMO?
    Anisotropy correction parameter sto                  0.
    Get velocities from the database?                    Yes
      Select Velocity parameter file                     final velocities
  TV Spectral Whitening
    Select mode                                          Time-Invariant Parameters
    Spectral balancing scalar LENGTH                     1ms
    Automatic filter panel design?                       Yes
    Number of frequency bands                            5
    SPECIFY spectral balancing frequencies
      f.lp,f.hp,f.lr,f.hr
  Mode for amplitude restoration                         Log Average
  Tv AGC
    Application Mode of AGC                              APPLY
    AGC Operator Length (ms)                              75ms
    Line: Spar Length (ms)                                75ms
    Position of AGC Gain Application                     CENTERED
    Choice of AGC Start Times                            @ START TIME
    @ Offset Start Time of AGC (ms)                       0.
    Dip velocity (units/s) of AGC start                   5000.
    times with offset.)

FLOW - 5.0 fds no radon  Tue Oct 19 09:52:33 1999
  Output - 488 fds Add 2742 Over 0
  Trace Muting
    Re-ramp previous mutes                               No
    Select time reference                                Time 0
    Type of mute                                         Top
      Starting ramp                                      100.
    Get the mute parameter file                          final mute
    (Optional Mute)
    Sort order of input ensembles                        CDP
    METHOD for trace summing                             SUM
    Normalize by number of stack                         SQRT
    traces?
    Apply final datum statics after stack?               Yes

FLOW - 5.0 datumfwd AGC  Tue Oct 19 11:30:13 1999
  Output - 488 temp1 Add 2742 Over 0
  TV Spectral Whitening
    Type of filter                                       Time-Invariant Parameters
    Spectral balancing scalar LENGTH                     1ms
    Automatic filter panel design?                       Yes
    Number of frequency bands                            5
    SPECIFY spectral balancing frequencies
      f.lp,f.hp,f.lr,f.hr
  Mode for amplitude restoration                         Log Average
  Tv AGC
    Application Mode of AGC                              APPLY
    AGC Operator Length (ms)                              75ms
    Line: Spar Length (ms)                                75ms
    Position of AGC Gain Application                     CENTERED
    Choice of AGC Start Times                            @ START TIME
    @ Offset Start Time of AGC (ms)                       0.
    Dip velocity (units/s) of AGC start                   5000.
    times with offset.)

FLOW - 0.01 datumfwd mig  Tue Nov  9 10:21:06 1999
  Output - 488 temp1 Add 2742 Over 0
  F-X Decon
    Type of filter                                       Wiener Levinson
    Percentage of white noise                            1.
    Horizontal window length                             50
    Number of filter samples                             5
    Time window length                                   150.
    Time window step                                     50.
    F-X filter start frequency                           0.
    F-X filter end frequency                             80.
    Trace Display
    Trace Display?

FLOW - 0.01 datumfwd mig  Mon Nov 15 11:07:18 1999
  Output - 488 mig rcsltf fxdecon mig1 Add 2742 Over 0
  Database/Header Transfer
    Direction of transfer                                Load TO trace header FROM database
    First header entry                                   N_CDP
    Second header entry                                  C_STATIC
    Re-finding Datum FOMIG (time)
    Maximum frequency (in Hz)                            70.
    Get interval velocities from database?               Yes
      Select interval vs. time velocity                  int vel time
      file
    Re-apply trace mutes?                                Yes

FLOW - hardcopy  Mon Jun 17 11:48:53 2000
  Output - Current Flow Add 0 Over 0
  Database/Header Transfer
    Direction of transfer                                Load TO trace header FROM database
    First header entry                                   LINE source number (user-defined)
    Second header entry                                  SHOTPOINT
    Third header entry                                   SHOTDIST
    Fourth header entry                                  X coordinate of CDP
    Fifth header entry                                   Y coordinate of CDP
    Sixth header entry                                   Elevation of CDP
  Trace Header Math
    Select mode                                          Fixed equation mode
      DEFINE trace header equation
        cdp=int(rec.line/10+0.5)
  Automatic Gain Control
    Application mode                                     APPLY
    AGC Operator Length                                  75ms
    Operator Length                                      50ms
    BASIS for scalar application                         Centered
    Robust Scaling?                                      No
```

TRIATHLON PROJ. NO. 9229-E34-1P LINE NO. 48/3 PART NO. 1 OF 2 R.R. 10X

TRIATHLON PROJ. NO. 9229-E34-1P LINE NO. 48Y3 PART NO. 2 OF 2 R.R. 10X