[redacted]

explor DATA LTD.

IN CONJUNCTION WITH:

Schlumberger

FORT LIARD

LINE: FTL-6X

SPS: 1541 - 5615

PRE STACK MIGRATION

9229-E34-SP

NORMAL POLARITY

STATICS PARAMETERS

DATUM: 500 M REPL VEL: 3700 M/S

FIELD PARAMETERS

SORT BY : SOURCE DATUM
SORT BY : SOURCE DATUM JUNE 2000

INSTRUMENTS
INPUT/MODEL: 10 SYSTEM II
SAMPLE RATE : 2 MILLISECONDS
LAST-M.: 1950 : 2 MILLISECONDS
FILTER : 10 HZ - 125 HZ
POINT : SEC-D

SOURCE
TYPE : DYNAMITE
STACK DEPTH : 18 M
CHARGE SIZE : 08 KG

GEOPHONES
TYPE : OYO JOBST
FREQUENCY : 10 HZ
GROUPING : 20 M
DISTANCE : 20 M, OVER 15 M
VIEWING : 1 X 6

SPREAD
FOLD INT : SEQUENCE
FOLD : 120 FOLD
SPACE : 20 M

CONFIGURATION
1435.5----15----1435.5 METERS
SEQUENCE NUMBERS

PROCESSED IN JUNE 2000 BY

KEUMAN TECHNOLOGY

PROCESSING SEQUENCE

DEMULTIPLEX:
DEMULTIPLEX: 8 MS
DESIGN GATE: 6 SEC

AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE
TIME VARIANT FILTER: K1TIMEK1EXP(MT)1 K=1 B=2 HZ

COHERENT NOISE ATTENUATION:
TECHNIQUE: FREQUENCY DOMAIN
MEDIUM: NO DEPTH DEPENDENCY
DESIGN GATE:
TYPE: SURFACE CONSISTENT SPIKING
DESIGN GATE: 1 - 10 : 1000 MS BY 400 MS OFFSET
11 - 19 : 1100 MS BY 400 MS OFFSET
20 - 29 : 1200 MS BY 400 MS OFFSET
30 - 39 : 1300 MS BY 400 MS OFFSET
40 - 49 : 1400 MS BY 400 MS OFFSET

TIME TRIMS:
PERFORM SPECTRAL BALANCING: 0 - 100 HZ
FREQUENCY:
DESIGN GATE: 1 - 10 : 400 MS BY 400 MS OFFSET
11 - 19 : 500 MS BY 400 MS OFFSET
20 - 29 : 600 MS BY 400 MS OFFSET
30 - 39 : 700 MS BY 400 MS OFFSET
40 - 49 : 800 MS BY 400 MS OFFSET

STATICS: (REFRACTION)
REFRACTION: CONVOLVED LINEAR INVERSION
SPECIAL ELEVATION: 1000 M/S
SPECIAL REPLACEMENT: 3700 M/S
REFRACTOR VELOCITY: 3700 M/S
SEQUENCE: 1 - 10
TO GEOM. COP INTERVAL: 20 M
VELOCITY (MAX/MIN): 3700/1515:
METHOD: CONSTANT PERCENTAGE REVERSAL
STATICS (RESIDUAL): 1ST PASS
TIME SHIFT: 20 MS
MAXIMUM SHIFT: 20 MS
VARIANCE: 15
VELOCITY (MAX/MIN): 2
METHOD: CONSTANT PERCENTAGE REVERSAL
MUTE PATTERN: TYPE: MUTE SPIKE ANYONE
STATICS (RESIDUAL): 2ND PASS
TIME SHIFT: 10 MS
CORRELATION WINDOW: 0MS - 1000 MS
CORRELATION MAX: 10 MS
CORRELATION MIN INDEX: 3
CORRELATION MIN VALUE: 0.5 OR 0.75
2-D PRE-STACK MIGRATION
IN 3 DIM PC-MIG.B PC
FILTER: 10 HZ - 125 HZ
PRE-STACK DECONVOLUTION:
TYPE: SURFACE CONSISTENT
SPIKING: ,SURFACE CONSISTENT SPIKING,
STATISTICS: 1 - 10
TYPE: BY SHOT AND RECEIVER
FILTER:
TYPE:
PRE-LAUNCH:
DESIGN GATE: 1 - 10 : 1000 MS
11 - 19 : 1100 MS
20 - 29 : 1200 MS
30 - 39 : 1300 MS
40 - 49 : 1400 MS
EDGE-IRRITATION:
DESIGN GATE: 500 MS MAX
OUTPUT STACKED DATA: SEGY
TYPE:
FINAL DISPLAY:
1 MS BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 6T239 TM
SCALE 1 : 10000
VERTICAL: 6.0 IPS

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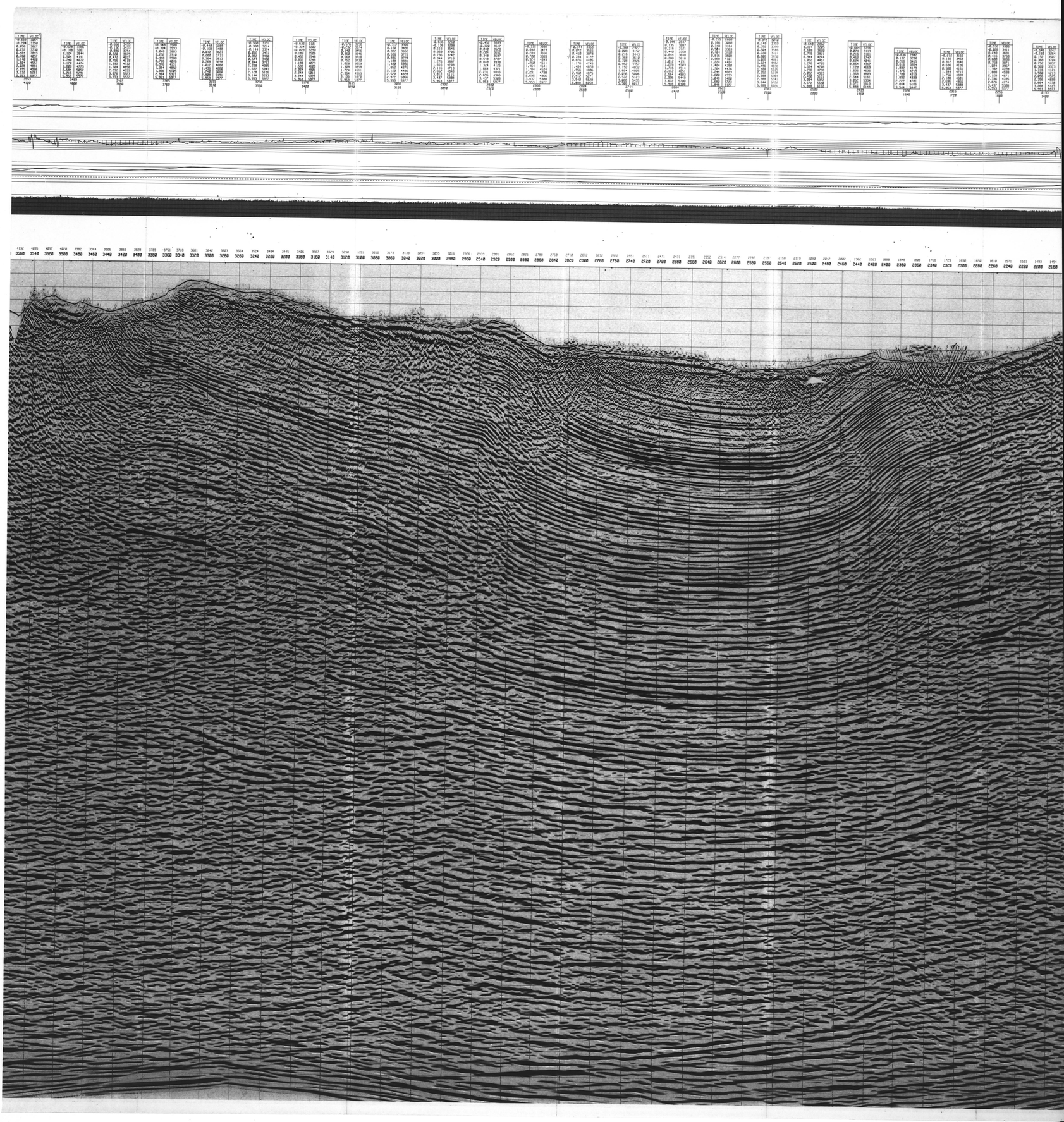
TRIATHLON PROJ. NO. 9229-E34-SP LINE NO. 6

PART NO. 1 OF 2 R.R. 10X

TRIATHLON PROJ. NO. 9229-E34-SP LINE NO. 6 PART NO. 2 OF 2 R.R. 10X