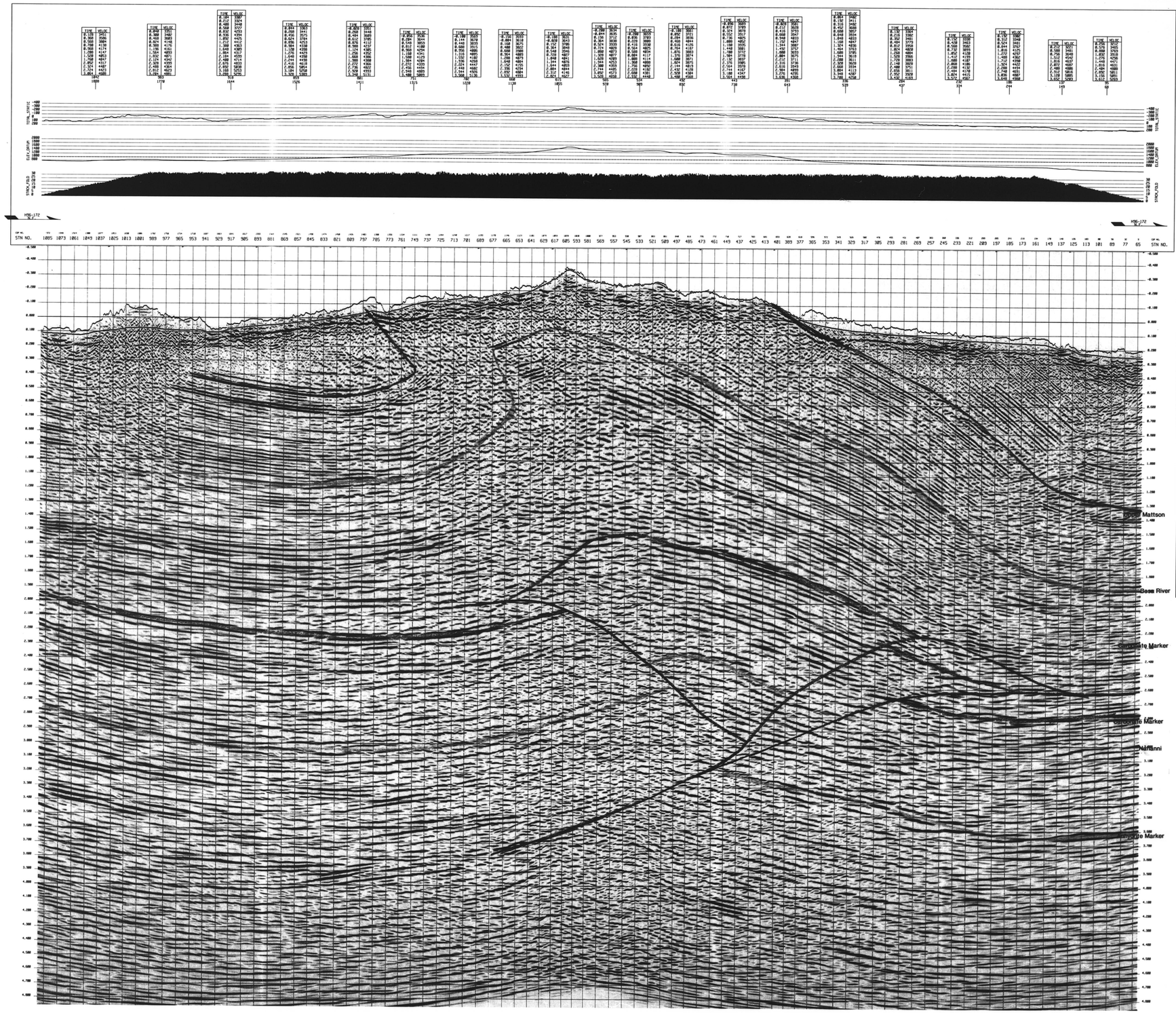

HUSKY
OIL OPERATIONS
LTD.
9229-H6-1E

CHINKEH CRK

LINE: H96-172
SPS: 59 - 1091

PRE-STACK
MIGRATION

V.I.D. 96A172

NORMAL POLARITY

STATICS PARAMETERS
DATUM: 1000 M REPL VEL: 4000 M/S

FIELD PARAMETERS

SHOT FOR : HUSKY OIL OPERATIONS AUG 1996
SHOT BY : GEO-PARALE PIT # 1067

INSTRUMENTS
MFG/MODEL: S/S SYSTEM TWO
S.R.: 2 MS
LENGTH: 6.0 SEC
FILTER: 18 HZ
AZIMUTH: 0 DEG
FORMAT: SEG-D

GEOPHONES
MFG/MODEL: 1 SYS ESCORIA
FREQUENCY: 18 HZ
DAMPING: 0.7
SERIES/GROUP: 1
SPACING: 2 M
GROUP LENGTH: 18 M

SOURCE
TYPE: DYNAMITE
CHARGE: 18 KG
DEPTH: 18 M
NO. IN LINE: 1

SPREAD
TYPE: 3300 PCT
S.P. INT: 50 M
GAP. INT: 15 M

CONFIGURATION
CDP-2,4-4,2-6-CDP M
1-200-4-201-400 TO 1 N.E.

PROCESSED SEPTEMBER 1996 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 5.0 SEC
AMPLITUDE RECOVERY:
COMPONENT(S) GAIN CURVE: MITSPUR(SCEPCRT)3 4=1 5=8 6=2
TRACE EDITING:
TYPE: NONE
TRACE COMPENSATION:
TYPE: GEOPHONE AND INSTRUMENT
DECONVOLUTION:
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 160 MS
PREDICTION: 16 MS
DESIGN GATE: 1000- 3000 MS AT 7.00 OFFSET
1000- 3000 MS AT 2500 OFFSET
SPECTRAL BALANCING:
FREQUENCY: 10 - 100 HZ
EQUALIZATION:
DESIGN WINDOW: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: GENERALIZED LINEAR INVERSION
REFRACTOR SPACING: 200 M
DATUM ELEVATION: 1000 M
REFRACTOR VELOCITY: 3527 M/SEC
WEATHERING VELOCITY: 4000 M/SEC
SORT:
TO EQUAL CDP OVERFOLD.
VELOCITY ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 1ST PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 400 - 2700 MS
CORRELATION TYPE: +/- 32 MS
CORRELATIONS PER TRACE: 2
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 2ND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 400 - 2700 MS
CORRELATION TYPE: +/- 16 MS
CORRELATIONS PER TRACE: 2
NUMBER OF ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMOVAL
MUTE PATTERN:
OFFSET: 200 300 3000 M
TIME: -300 200 1000 MS
EQUALIZATION:
DESIGN WINDOW: 400 MS MAC
FULL PRE-STACK MIGRATION:
TYPE: 'KIRCHHOFF SUMMATION'
DATUM REFERENCED: TO PLOTTED WEATHERING REPLACED SURFACE.
ESTIMATED BY SHOT AND RECEIVER
STACK:
TYPE SUPPRESSION: 3:1 THRESHOLD
FOLD: 3000 PCT.
OUTPUT STACKED DATA:
FORMAT: SEGY TO CLIENT REEL
FILTER:
FREQUENCY: 10-15-60-70 HZ
EQUALIZATION:
DESIGN WINDOW: 600 MS MAC
OUTPUT STACKED DATA:
FORMAT: SEGY TO CLIENT REEL
FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 50.0 TPI VERTICAL: 5 IPS
1:10000

Figure 10

TRIATHLON PROJ. NO. 9229-H6-1E LINE NO. H96-172 PART NO. 1 OF 1 R.R. 10X