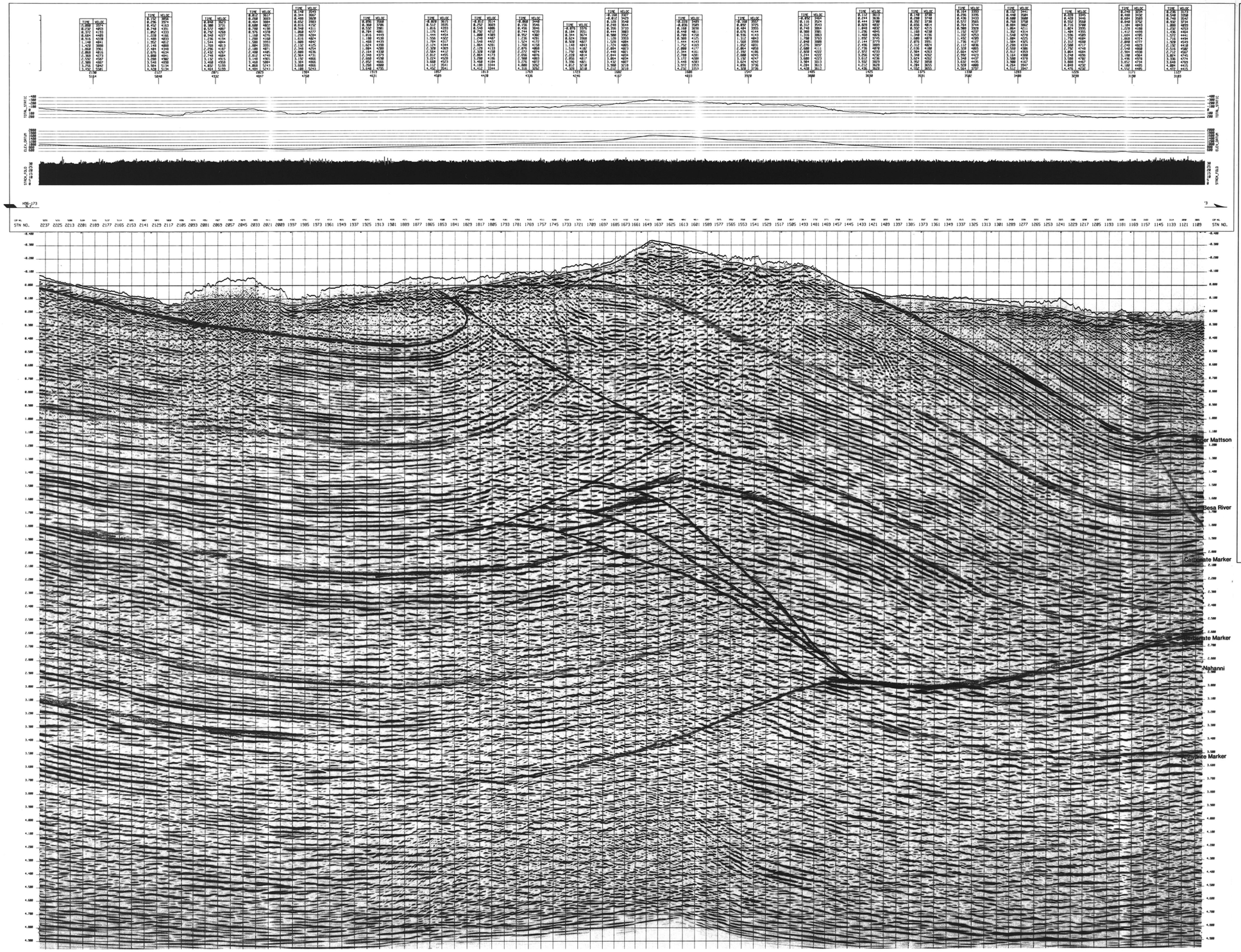


HUSKY
OIL OPERATIONS
LTD.
9229-H6-1E

CHINKEH CRK

LINE: H96-173
SPS: 1103-2237

PRE-STACK
MIGRATION

U.I.D. 96A173

NORMAL POLARITY

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

FIELD PARAMETERS
SHOT FOR : HUSKY OIL OPERATIONS AUG 1996
SHOT BY : GEOS-PRAHLR PTI # 1267

INSTRUMENTS
MAKE/MODEL: I/O SYSTEM TWO
S.R. : 2 MS
LENGTH : 12 SEC
FILTER : 10-125 HZ
NOTCH : OUT
FORMAT : SEG-D

GEOPHONES
TYPE : OYO GS20DX
FREQUENCY : 10 HZ
DAMPING : 0.7
CONFIGURATION : 1 GROUP
SPACING : 2 M
GROUP LENGTH: 10 M

SOURCE
TYPE : DYNAMITE
CHARGE : 14 KG
DEPTH : 18 M
NO. DRILHOLE : 1

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

CONFIGURATION
2350-7.5m-7.5-2350 M
1-2B0-4-0B1-4B0 TR : N.E.

PROCESSED OCTOBER 1996 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE : 2.0 MS
PROCESS RECORD LENGTH : 5.0 SEC
REFLTIVE RECONSTRT:
TYPE : MULTIPLE(MULTIPLE(1) A=1 B=0 N=2
TRACE EDITING:
PHASE COMPENSATION:
TYPE : GEOPHONE AND INSTRUMENT
DECONVOLUTION:
TYPE : SURFACE CONSISTENT SPIKING
OPERATOR LENGTH : 160 MS
PREDICTION : 24 MS
DESIGN GATE : 1000- 3000 MS AT 0.20 OFFSET
1500- 3000 MS AT 2500M OFFSET
SPECTRAL BALANCING:
FREQUENCY : 10 - 100 HZ
EQUALIZATION:
DESIGN GATE : SPIKE WINDOW VS DECON
STATICS (REFRACTION)
TYPE : GENERALIZED LINEAR INVERSION
FREQUENCY SPACING : EVERY SHOT
SUBSURFACE VELOCITY : 4000 M/SEC
SUBSURFACE VELOCITY : 4000 M/SEC
REPLACEMENT VELOCITY : 4000 M/SEC
SORTS:
TO EQUAL CMP INTERVAL
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 1ST PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 400 - 2700 MS
CORRELATION LAG : +/- 50 MS
CORRELATIONS PER TRACE : 1
NUMBER OF ITERATIONS : 2
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 2ND PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 400 - 2700 MS
CORRELATION LAG : +/- 50 MS
CORRELATIONS PER TRACE : 1
NUMBER OF ITERATIONS : 1
PRE-STK REG. VEL. ANALYSIS: CONSTANT PERCENTAGE REMOVAL
MUTE PATTERN:
DISTANCE : 300 300 3000 M.
TIME : -300 300 1000 MS
EQUALIZATION:
DESIGN WINDOW : 400 MS AGC
PRE STACK MIGRATION:
TYPE : KIRCHOFF SUMMATION
DATUM REFERENCED: TO PLOTTED REFERENCE REPLACED SURFACE.
SUPERIMPOSE BY SHOT AND RECEIVER
STACK: :
SPIKE SUPRESSION : D.I THRESHOLD
FILTER : 3300 PCT.
OUTPUT STACKED DATA:
FORMAT : SEGY TO CLIENT REEL
FILTER:
FREQUENCY : 10/15-60/70 HZ
EQUALIZATION:
DESIGN WINDOW : 400 MS AGC
OUTPUT STACKED DATA:
FORMAT : SEGY TO CLIENT REEL
FINAL DISPLAY:

1 MS BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 50.0 TPI VERTICAL: 5 IPS
1:1/2000

Figure 11

PROFESSIONAL GEOLOGIST ALBERTA

TRIATHLON PROJ. NO. 9229-H6-1E LINE NO. H96-173 PART NO. 1 OF 1 R.R. 10X