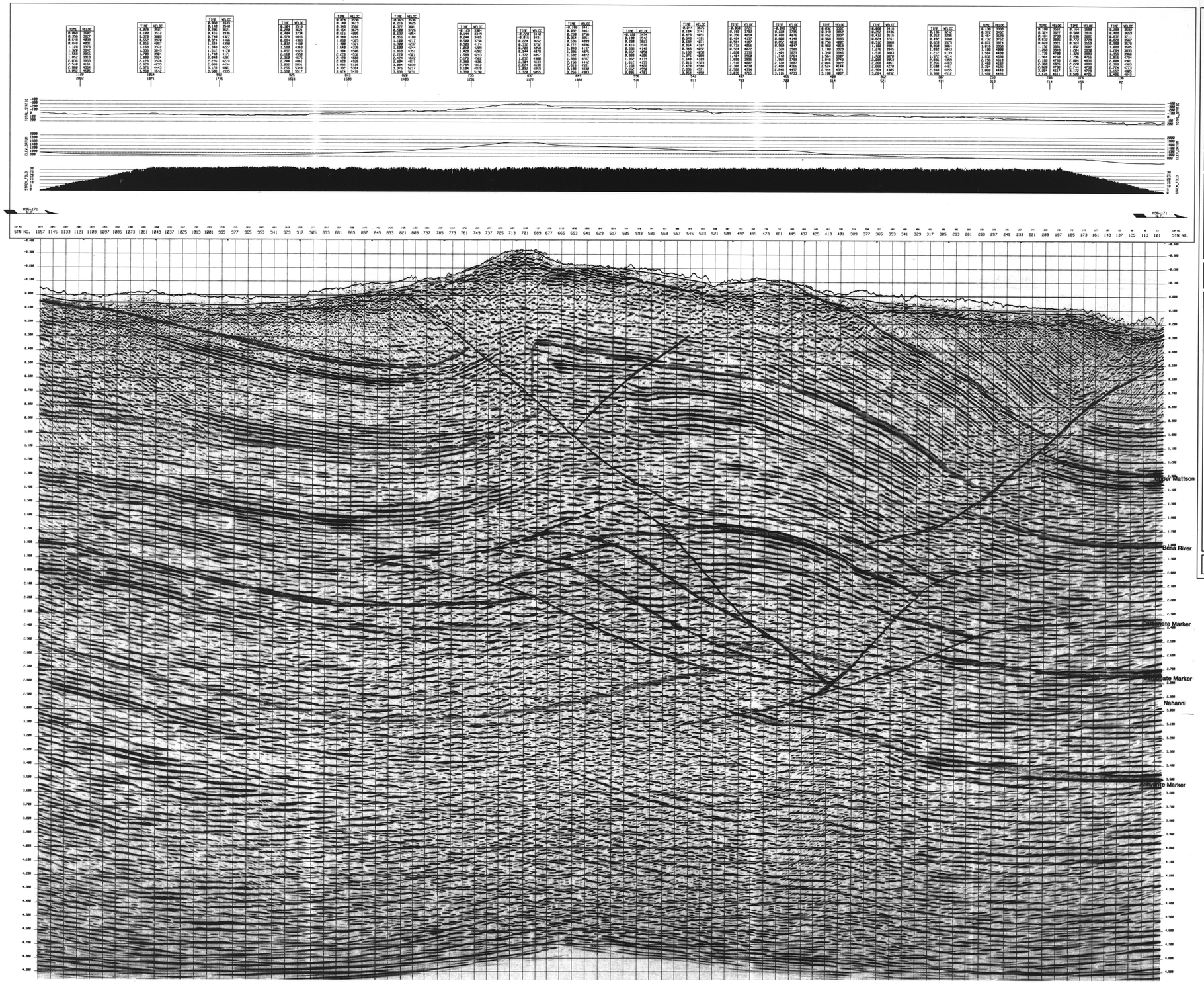

HUSKY
OIL OPERATIONS
LTD.

9229-H6-1E

CHINKEH CRK

LINE: H96-171
SPS: 95 - 1157

PRE-STACK
MIGRATION

U.I.D. 96A171

NORMAL POLARITY

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

FIELD PARAMETERS
SHOT FOR : HUSKY OIL OPERATIONS AUG 1996
SHOT BY : GEOS-PROBE FTT # 1367

INSTRUMENTS
MAKE/MODEL: I/O SYSTEM TWO
CHAN : 2 MS
GAIN : 0 DB FIX
FILTER : OUT-135 HZ
NOTCH : OUT
FORMAT : SEG-D

GEOPHONES
TYPE
FREQUENCY : 10 HZ
STRING : 6 X 2
WAVEFORMAT : 6 X
SPACING : 2 M
GROUP LENGTH: 10 M

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

SPREAD
FOLD : 3388 PCT
S.P. INT : 50 M
GRP. INT : 15 M

CONFIGURATION
2592-7.5-4-7.5-2592 M
1-2880-201-480 SN 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: NET(PUR)K(S)K(P)K(T)1 K=1 K=0 K=2
TRACE EDITING:
PHASE COMPENSATION:
TYPE GEOPHONE AND INSTRUMENT
DECONVOLUTION:
TYPE SURFACE CONSISTENT SPIKING
OPERATOR LENGTH 100 MS
PREWHITENING 1 PCT
DESIGN GATE 1500- 5000 MS AT 0.00 OFFSET
1500- 5000 MS AT 2500 OFFSET
SPECTRAL BALANCING:
FREQUENCY 10 - 100 HZ
EQUALIZATION:
DESIGN GATE SAME WINDOW AS DECON
STATICS (REFRACTION)
TYPE GENERALIZED LINEAR INVERSION
FREQUENCY BPHLIMS EARLY PART
DATUM ELEVATION 1000 M ASL
DATUM REPL VELOCITY 4000 M/SEC
REPLACEMENT VELOCITY 4000 M/SEC
SORT:
CDP, CDP, OFF INTERVAL
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 1ST PASS
TYPE AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW 400 - 2700 MS
SHIFTING SHIFT 10 - 10 MS
CORRELATIONS PER TRACE 10
NUMBER OF ITERATIONS 2
VELOCITY ANALYSIS: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 2ND PASS
TYPE AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW 400 - 2700 MS
SHIFTING SHIFT 10 - 10 MS
CORRELATIONS PER TRACE 10
NUMBER OF ITERATIONS 2
PRE-STK MIG. VEL. ANALYSIS: CONSTANT PERCENTAGE REMOVAL
MUTE PATTERN:
DISTANCE 300 350 3000 M
TIME -300 300 1000 MS
EQUALIZATION:
DESIGN WINDOW 400 MS AGC
FULL PRE-STACK MIGRATION:
TYPE KIRCHOFF SUMMATION
DATUM REFERENCE: TO A FLATTED ARTHMETIC REPLACED SURFACE.
VELOCITY: 1/2 SHOT AND RECEIVER
STACK:
TYPE SUPERGUN D.I. THRESHOLD
FOLD 3388 PCT.
OUTPUT STACKED DATA: SEGY TO CLIENT REEL
FILTER:
FREQUENCY 10-15-60-70 HZ
EQUALIZATION:
DESIGN WINDOW 4000 MS AGC
OUTPUT STACKED DATA: SEGY TO CLIENT REEL
FORMAT
FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 50.0 TPI VERTICAL: 5 IPS
1:15000

PROFESSIONAL GEOLOGIST ALBERTA

Figure 9

TRIATHLON PROJ. NO. 9229-H6-1E

LINE NO. H96-171

PART NO. 1 OF 1

R.R. 10X