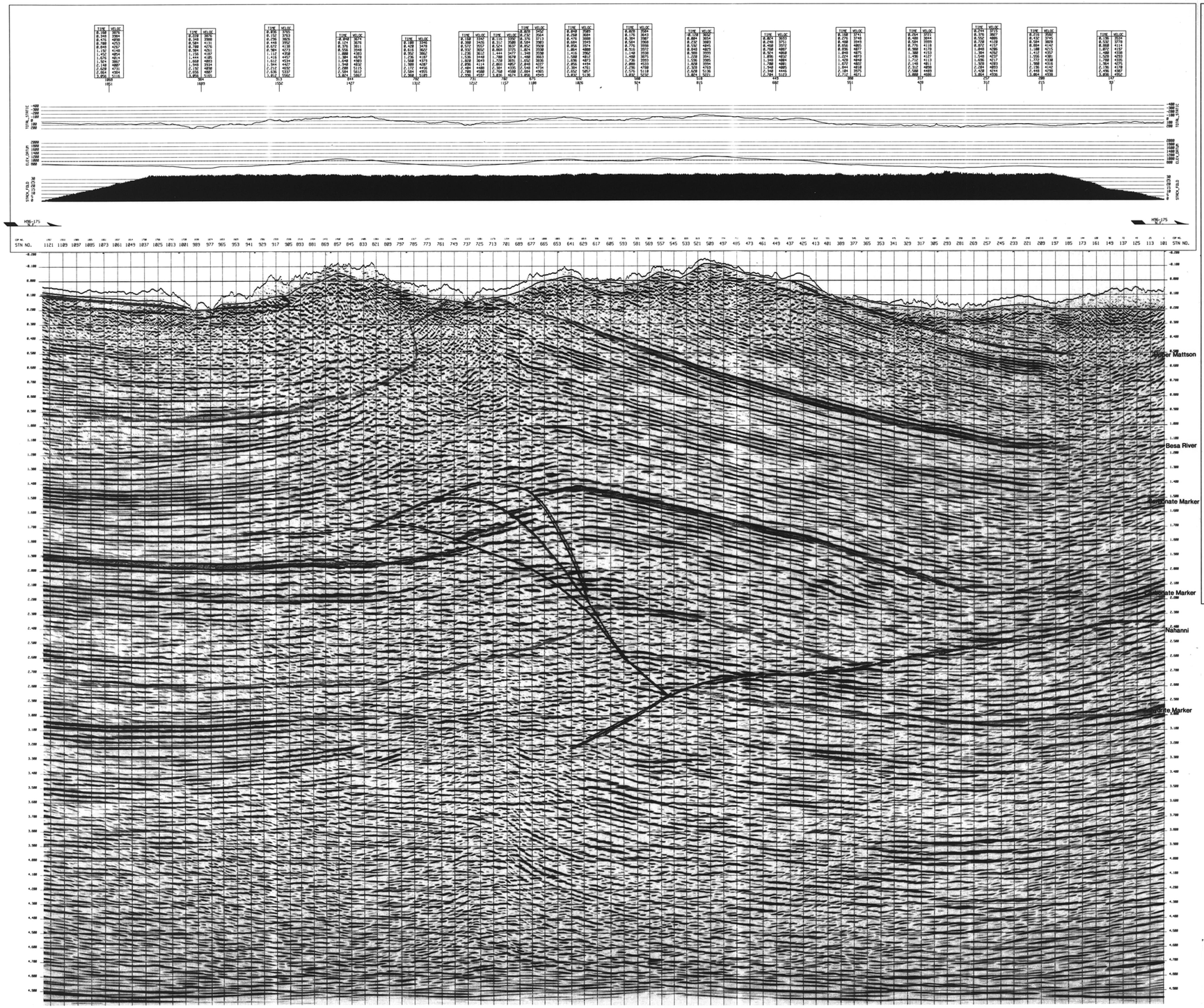

HUSKY
OIL OPERATIONS
LTD.

9229-H6-1E

CHINKEH CRK

LINE: H96-175
SPS: 101 - 1127

PRE-STACK
MIGRATION

V.I.D. 96A175

NORMAL POLARITY

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

FIELD PARAMETERS

SHOT FOR : HUSKY OIL OPERATIONS RUN: 1996
SHOT BY : GEOS-PRAIRLE PTY # 1267

INSTRUMENTS		GEOPHONES	
MODEL:	I/O SYSTEM TWO	TYPE:	I GYO GS30CH
S/N:	2 EA	FREQUENCY:	10 HZ
LENGTH:	5 SEC	DEPTH:	8.7
FILTER:	18-36-136 HZ	SPACING:	2 M
NOISE:	2 OUT	SPACING:	2 M
FORMAT:	SEG-D	GROUP LENGTH:	18 M

SOURCE		SPREAD	
TYPE:	I DYNAMITE	TYPE:	I 3300 PCT
CHARGE:	1 EA KG	CLIP, INT:	1 50 M
DEPTH:	18 M	GAP, INT:	115 M
NO. ONLINE:	1		

CONFIGURATION
2700-2/2-4-2/2-2700 M
1-200-H-201-400 IN : N.E.

PROCESSED SEPTEMBER 1996 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX:
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 6.0 SEC
AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE: K(TIME)K(SOURCE)K(RIT)1 K=1 A=0 N=2
TRACE EDITING:
PHASE CORRECTION:
TYPE: GEOPHONE AND INSTRUMENT
DECONVOLUTION:
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 160 MS
PREDICTION: 16 MS
DESIGN GATE: 1800- 3000 MS NT 2.5DB OPTNT
1800- 3000 MS NT 20DB OPTNT
SPECTRAL BALANCING:
FREQUENCY: 18 - 108 HZ
EQUALIZATION:
DESIGN GATE: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: HUMBLE/GLOVER LINEAR INVERSION
REFRACTOR SPACING: 200 M
DATUM ELEVATION: 1000 M
SUBSURFACE VELOCITY: 4000 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
SORT:
TO EQUAL CDP INTERVAL
VELOCITY ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 1ST PASS
TYPE: REFRACTOR SURFACE CONSISTENT
CORRELATION WINDOW: 400 - 2700 MS
CORRELATION LAG: 20 MS
CORRELATORS PER TRACE: 11
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 2ND PASS
TYPE: REFRACTOR SURFACE CONSISTENT
CORRELATION WINDOW: 400 - 2700 MS
CORRELATION LAG: 20 MS
CORRELATORS PER TRACE: 11
NUMBER OF ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS:
TYPE: CONSTANT PERCENTAGE REMOVAL
MUTE PATTERN:
DISTANCE: 300 500 1000 M
TIME: 300 500 1000 MS
EQUALIZATION:
DESIGN WINDOW: 400 MS ADC
FULL PRE-STACK MIGRATION:
TYPE: KIRCHOFF SUMMATION
DATUM REFERENCED, TO PLOTTED ANTICLINE REPLACED SURFACE-
OFFSET BY SHOT AND RECEIVER
STACK:
TYPE SUPPRESSION: 0.1 THRESHOLD
FULL: 3000 PCT.
OUTPUT STACKED DATA: SEGY TO CLIENT REEL
FILTER:
DESIGN: 18/15-68/78 HZ
EQUALIZATION:
DESIGN WINDOW: 600 MS ADC
OUTPUT STACKED DATA: SEGY TO CLIENT REEL
FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 50.0 TR/I VERTICAL: 5 IPS
1:15000

Figure 13

PROFESSIONAL GEOLOGIST ALBERTA

TRIATHLON PROJ. NO. 9229-H6-1E LINE NO. H96-175 PART NO. 1 OF 1 R.R. 10X