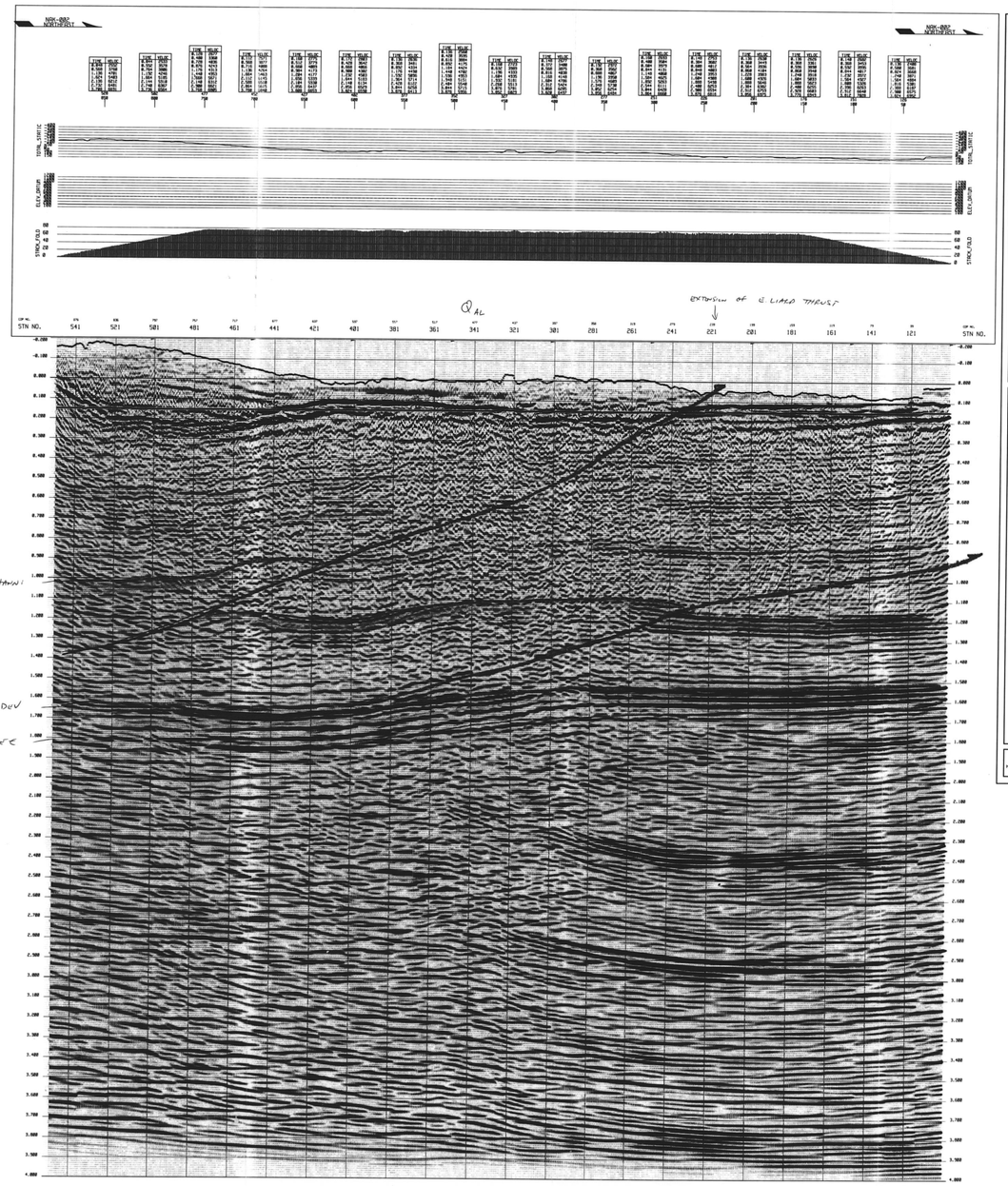

INTERPRETED SECTION JRS

RANGER OIL

RANGER OIL LTD.

OCT/96

9229-059-3E 1.1

FT. LIARD

LINE NAK-002
SPS: 551-101

PRE STACK MIGRATION

DISPLAY POLARITY
NORMAL

STATICS PARAMETERS
DATUM: 500 M REPL VEL: 4000 M/S

FIELD PARAMETERS

SHOT FOR: RANGER OIL LTD. - MARCH 1996
SHOT BY: GEOS-PRAIRIE - PARTY:1254

INSTRUMENTS	GEOPHONES
TYPE: VIB II	TYPE: SPIKE 60HZ.
S.R.: 2 MS LENGTH: 5 SEC	DRIFT:MAX: 8.7
FILTER: 9-200' NOTCH OUT	NUMBER/GROUP: 9
FORMAT: SEG-2	GROUP LATH: 28 M

SOURCE	SPREAD
TYPE : VIBROSEIS	TYPE : FIELD : 2500 PC1
MODEL : PELTON II	S.P. INT : 40 M
SWEEP : 18-88 HZ	GRP. INT : 28 M
LENGTH : 12 SEC	SOURCE #00001: 4 OVER 1UP
LEVEL : 50 %.	

SPREAD CONFIGURATION
TRACES: 1-158-+-151-300 TRACE 1 NORTHERST
301B-3B-+-3B-301B M

PROCESSED APRIL 1996 BY

KELMAN SEISMIC PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX
PROCESS SAMPLE RATE: 2.0 MS
PROCESS RECORD LENGTH: 4.0 SEC
AMPLITUDE RECOVERY
DESIGN WINDOW: MT(P)MT(R)CS(P)MT(T) 4+1 0+0 4+2
TRACE EDITING
PHASE COMPENSATION
TYPE: INSTRUMENT AND GEOPHONE
DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREWHITENING: 1.0%
DESIGN GATE: 1000 - 2000 MS WT 1000 OPT(S)
2000 - 2500 MS WT 2000 OPT(S)
OFFSET RANGE: 0 - 5450 M
PARTIAL SPECTRAL BALANCING
DESIGN: 8 - 108 HZ
EQUALIZATION
DESIGN WIND: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: G.I.
FREQUENCY SPECTRA: EVERY SHOT
SUBWEATHERING: 500 M
WEATHERING VELOCITY: 700 M/SEC
SUBWEATHERING VELOCITY: 4000 M/SEC
DATUM:
TO DATUM DEPTH POINT
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL)
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 1000 - 4000 MS
MAXIMUM SHIFT: +/- 30 MS
MAXIMUM SHIFT PER TRACE: 2
NUMBER OF ITERATIONS: 2
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
STATICS (RESIDUAL)-SECOND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 1000 - 4000 MS
MAXIMUM SHIFT: +/- 20 MS
MAXIMUM SHIFT PER TRACE: 2
NUMBER OF ITERATIONS: 2
PRE-STK MIG. VEL. ANALYSIS
TYPE: CONSTANT PERCENTAGE MOVEOUT
MUTE PATTERN
TYPE: 400 440 1500 5000 M
TYPE(M): 300 400 1200 2000 MS
EQUALIZATION
DESIGN WINDOW: 500 MS RGC
FULL PRE-STACK MIGRATION
TYPE: KIRCHHOFF SUMMATION
DATUM REFERENCED: TO PLOTTED VERTICAL REPLACED SURFACE.
SEPARATELY AT SHOT AND RECEIVER
STACK
SPIKE SUPRESSION: 3:1 THRESHOLD
TYPE: PS
FILTER
FREQUENCY: 18/15 - 45/55 HZ
EQUALIZATION
DESIGN WINDOW: 600 MS RGC
FINAL DISPLAY

1KM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 48.8 TRACES/INCH VERTICAL: 5 INCHES/SECOND
400 M/INCH 400 M/INCH

TRIATHLON PROJ. NO. 9229 B5 94E LINE NO. NAK-2 PART NO. 7 OF 7 M.R. 10A