Final Paper

RANGER OIL
LTD.
9229-B59-7E59E

FT. LIARD

LINE NAS-001
SPS: 4 - 19

POST STACK MIGRATION

DISPLAY POLARITY
NORMAL

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

FIELD PARAMETERS

SHOT FOR: PON INDRICON : REL. ZOR
SHOT BY: PON INDRICON : PARTY:4
INSTRUMENT: GEOPHONES
MANUFACTURER/MODEL : SIE:L-2-A, 14 HZ
S.R.: 2 MS LENGTH: 5 SEC DRIFTING: 8.7
NUMBER/GROUP: 18
FORMAT: ANALOG GROUP LETH: 65 M
SOURCE SPREAD:
TYPE : DYNAMITE FOLD : 300 PCT
CHARGE SIZE : 45 KG S.P. INT : 250 M
CHARGE DEPTH: 15 M GRP. INT : 65 M
NO. INLINE : 3

SPREAD CONFIGURATION
TRACES: 1---18+19---36 TRACE 1 NORTHERIST
1140------324+0------1140 M

PROCESSED JULY 1997 BY
KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTIPLE:
PROCESS WINDOW WIDTH: 0.8 MS
PROCESS RECORD LENGTH: 5.0 SEC
TRACE EDITING
DECONVOLUTION: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 80 MS
PREDICTION: 16
DESIGN WINDOW: 500 - 2500 MS NZ SHOT OFFSET
500 - 2500 MS NZ FIELD OFFSET
PARTIAL SPECTRAL BALANCING
FREQUENCY: 10 - 100 HZ
EQUALIZATION
DESIGN WINDOW: SAME WINDOW AS DECON
STATICS (REFRACTION)
METHOD: G.I.
FREQUENCY SPACING: EVERY SHOT
SHOTHOLE DEPTH: 15 M
WEATHERING VELOCITY: 700 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC
DATUM
TO DATUM DEPTH POINT
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL)
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 2500 MS
MAXIMUM SHIFT: 40 - 30 MS
NUMBER OF ITERATIONS TRACE: 3
NUMBER OF ITERATIONS SHOT: 3
VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL)-SECOND PASS
TYPE: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 500 - 2500 MS
MAXIMUM SHIFT: 40 - 30 MS
NUMBER OF ITERATIONS TRACE: 3
NUMBER OF ITERATIONS SHOT: 3
NORMAL MOVEOUT CORRECTION:
DATUM REFERENCED: TO PLOTTED REFERENCING REPLACED SURFACE.
SEPARATELY BY SHOT AND RECEIVER
MUTE PATTERN
TYPE: SHOT AND FIELD
TIME: -300 AND 1500 MS
STACK
DEVICE SUPRESSION: 3:1 THRESHOLD
TIME: 3
MIGRATION
TYPE: KIRCHOFF SUPRESSION
WEIGHT: 100 PCT WEIGHTED STACKING
FILTER
DESIGN WINDOW: 10/15 - 45/55 HZ
EQUALIZATION
DESIGN WINDOW: 600 MS AGC
FINAL DISPLAY
1MM BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 12.5 TRACES/INCH VERTICAL: 5 INCHES/SECOND
400 M/INCH 400 M/INCH

TRIATHLON PROJ. NO. 9229 B59 7E 9E LINE NO. NAS-1

PART NO. 1 OF 1

R.R. 10X