RANGER OIL
LTD.

9229-859-4E

MOUNT FLETT

LINE NAC-002
SPS: 95-703

PRE STACK MIGRATION

DISPLAY POLARITY
NORMAL

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

FIELD PARAMETERS

SHOT FOR: RANGER OIL LTD. , JULY,1996
SHOT BY: GEO-PARVLA , PARTY-106

INSTRUMENTS
MAKE/MODEL: I/O II
T.B.I. 2 MS LENGTH: 8 SEC
FILTERS: 18 HZ NOTCH OUT
FIBRONIC: DCD-8

GEOPHONES
TYPE: OYO SG4BCH. 10 HZ
DAMPING: 0.7
GROUP INTERVAL: 5
GROUP LEN: 15 M

SOURCE
TYPE : DYNAMITE
CHARGE SIZE: 20 KG
SHOT DEPTH: 20 M
NO. OF LINE : SINGLE

SPREAD
FOLD : 1000 PC
S.P. INT : 100 M
GRP. INT : 10 M

SPREAD CONFIGURATION
TRACES: 101 SOR=-20:-680 TRACE 1 NORTHERST
#SOF.5-:25.5=-#SOF.5 M

PROCESSED AUGUST 1996 BY

KELMAN SEISMIC
PROCESSING

PROCESSING SEQUENCE

DEMULTIPLEX
PROCESS SAMPLE RATE: 2.0 MS
RECORD LENGTH REQUIRED: 4.0 SEC

REFLTIUDE RECOVERY
EXPONENTIAL GAIN CURVE: 4ETIPUEX4XIPUE1E1 0=1 0=0 0=2

TRACE EDITING
PHASE COMPENSATION
TYPE: INSTRUMENT AND GEOPHONE

DECONVOLUTION
TYPE: SURFACE CONSISTENT SPIKING
OPERATOR LENGTH: 96 MS
PREDICTIONS: 1 MS
WINDOW: 1000 MS BT . 2250 OFFSET
OPTIMIZATION: 1000 MS BT 4000 OFFSET
OPTIMIZ WINDOW: 1000 M

PARTIAL SPECTRAL BALANCING
FREQUENCY: 10 - 100 HZ

EQUALIZATION
DESIGN GATE: OPPE WINDOW MS DESIGN

STATICS (REFRACTION)
METHOD: G.I
REFRACTOR VELOCITY: EVERY SHOT
DATUM ELEVATION: 5000 M
DATUM ELEVATION: 5000 M
REPLACEMENT VELOCITY: 4000 M/SEC
REPLACEMENT VELOCITY: 4000 M/SEC

SORT
TO COMMON DEPTH POINT

VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE REMOVAL

STATICS (RESIDUAL)
METHOD: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 1000 - 2000 MS
MAXIMUM SHIFT: +/- 20 MS
MAXIMUM SHIFT PER TRACE: 2
NUMBER OF ITERATIONS: 2

VELOCITY ANALYSIS
TYPE: CONSTANT PERCENTAGE REMOVAL

STATICS (RESIDUAL)-SECOND PASS
METHOD: AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW: 1000 - 2000 MS
MAXIMUM SHIFT: +/- 10 MS
MAXIMUM SHIFT PER TRACE: 2
NUMBER OF ITERATIONS: 2

PRE-STK MIG. VEL. ANALYSIS
TYPE: CONSTANT PERCENTAGE REMOVAL

MUTE PATTERN
DESIGNED: 400 #50 #850 #800 SHORT
TIME: 4000 #50 #50 1200 LONGPL

EQUALIZATION
DESIGN WINDOW: 500 MS MAC

FULL PRE-STACK MIGRATION
METHOD: KIRCHHOFF TIME MIGRATION SUPERSTION
DATUM REFERENCED: TO PLOTTED AUTOMATICALLY REPLACED SURFACE.
SEPARATELY AT SHOT AND RECEIVER

STACK
TRACE SUPRESSION: 3/1 THRESHOLD
FOLD: 50

FILTER
FREQUENCY: 10/15 - 45/55 HZ

EQUALIZATION
DESIGN WINDOW: 500 MS MAC

FINAL DISPLAY

1X3 BLIP INCREMENT

DISPLAY PARAMETERS
HORIZONTAL: 53.33 TRACES/INCH VERTICAL: 5 INCHES/SECOND
=200 M/INCH =200 M/INCH

TRIATHLON

PROJ. NO. 9229 859 4E

LINE NO. NAC-2

PART NO. 1 OF 1

R.R. 10X