

ALBERT LAM (504 41)
B. F. R. GEOPHYSICAL CONSULTANTS - FORT LIARD - NAQ-005 & FTL-66 - PRESTACK MIGRATION NORMAL POLARITY



9229-B59-7E 9E

NORMAL POLARITY PRESTACK MIGRATION

LINE : NAQ-005 & FTL-66 7E
AREA NAME : FORT LIARD
STATIONS : 51975597 60956857
DATUM : 500 M ASL
R.V. : 3250 M/S

DATE PROCESSED : JULY 1998 DATE SHOT : JUNE 1998
SHOT BY : GEOPHYSICAL
SHOT FOR : B. F. R. GEOPHYSICAL CONSULTANTS

FIELD PARAMETERS

SOURCE TYPE DYNAMITE
LAYOUT SINGLE HOLE
CHARGE/DEPTH 20 KG / 20 M
SOURCE INTERVAL 15 M
GROUP INTERVAL 15 M
COVERAGE 500%
SPREAD 300 SIP 351 600
DISTANCE 15 5 15 4500 M
RECEIVER TYPE LAYOUT
INSTRUMENT 210 SYSTEM II
FIELD FILTER OUT(3) - 1 1/2 NYD MEN / NOTCH OUT
SIP FORM 1
RECORD LENGTH 8 SEC
SAMPLE RATE 2 MS
TRACES/RECORD 600



PROCESSING PARAMETERS

- DEMULTIPLY
HORIZONTAL LENGTH 8000 M
SAMPLE RATE 2 MS
- AMPLITUDE RECOVERY
TYPE 1-FUNCTION (EXPONENT - 2)
- GEOMETRY - CROOKED LINE
- DECONVOLUTION - SURFACE CONSISTENT
OPERATOR LENGTH 310 M
PRESTACKING: POLY DATA 0 - 8000 M
4500 M 1000 - 2400 M
- CALCULATED USING CL1 MODEL
STRUCTURE STATION - 2 LAYER DRIFT COMPUTATION
REFRACTION VELOCITY 2200 M/S
REPLACEMENT VELOCITY 3250 M/S
PROCESSING DATUM 500 M ASL
- MANUAL TRACE EDITS
- TRACE GATHER - 84 FOLD
- PRELIMINARY VELOCITY ANALYSIS - NORMAL MOVEOUT
REFERENCE SURFACE
TYPE: CONSTANT VELOCITY STACKS
- STATICS - AUTOMATIC SURFACE CONSISTENT 1ST PASS
WINDOW 1000-2000 MS FILTER 10-15 80-150 HZ
MAX STATION +/- 80 MS NO TRACES IN MODEL 90
- FINAL VELOCITY ANALYSIS - NORMAL MOVEOUT
REFERENCE SURFACE
TYPE: CONSTANT VELOCITY STACKS
- STATICS - AUTOMATIC SURFACE CONSISTENT 2ND PASS
WINDOW 1000-2000 MS FILTER 10-15 80-150 HZ
MAX STATION +/- 24 MS NO TRACES IN MODEL 90
- FIRST BREAK MUTER
- STATICS - CSP TRIM
WINDOW 100 - 8000 MS FILTER 10-15 80-150 HZ
MAX STATION +/- 22 MS NO TRACES IN MODEL 15
- PRESTACK TIME MIGRATION
CORRECTION: REFERENCE - REFERENCED FROM TOPOGRAPHY
CORRECTION: DIP ANGLE DEGREES THRU TO 75 DEGREES
DIP ANGLE 45.00
REPLACEMENT VEL 3250 M/S
- FILTER - BANDPASS
FILTER 10-15 80-150 HZ APPL GATE 0 - 5500 M/S
- AMPLITUDE EQUALIZATION - AGC LENGTH 500 MS

DISPLAY PARAMETERS

HORIZONTAL SCALE 53.3 TRACES PER INCH
VERTICAL SCALE 5.0 INCHES/SECOND

LINE FTL-66 AND NAQ-005 ARE INJECTED TOGETHER AS ONE LINE
LINE FTL-66 WITH STATIONS IN 6000'S RANGE
LINE NAQ-005 WITH STATIONS IN 5000'S RANGE

