explor DATA LTD

1000, 639 - 5th AVENUE S.W.
CALGARY, ALBERTA T2P 0M9
(403) 265 - 0001

IN CONJUNCTION WITH:

Schlumberger

9229-E34-SP

FORT LIARD

LINE: [redacted] & FTL-11XB & FTL-11XC

SPS: [redacted] & 701-2622 & 4980-5539

PRE STACK MIGRATION

NORMAL POLARITY

STATICS PARAMETERS
DATUM: 427 M REPL VELO 3848 M/S

FIELD PARAMETERS

SHOT FOR : EXPLOR DATA
SHOT BY : SCHLUMBERGER JULY 2000

LINE FTL-11XB

INSTRUMENTS
SYSTEM : DFS-IV OLD SYSTEM II GEOPHONES
S.R. : 2 MS TYPE : MARK MT10 28 OH
LENGTH : 2 SECONDS FREQUENCY : 10 HZ
FILTER : OUT-1/2 NYQUIST HZ GROUP/NUMBER : 1 & 2
NOTCH : OUT GROUP INTERVAL : 1.0 M
FORMAT : SEG-D GROUP LENGTH : 15 M

SOURCE : DYNAMITE SPREAD : SINGLE
CHARGE : 25 KG FOLD : 300 M
SHOT DEPTH : 20 M SP. INT : 20 M
CHARGE/SHOT : 1 EA TRACES/SHOT : 1 EA

CONFIGURATION 4450.5---7.5---7.5---4450.5 METERS
|----------300---301----------599 TRACE

LINE FTL-11XB

INSTRUMENTS
SYSTEM : DFS-IV OLD SYSTEM II GEOPHONES
S.R. : 2 MS TYPE : MARK MT10 28 OH
LENGTH : 2 SECONDS FREQUENCY : 10 HZ
FILTER : OUT-1/2 NYQUIST HZ GROUP/NUMBER : 1 & 2
NOTCH : OUT GROUP INTERVAL : 1.0 M
FORMAT : SEG-D GROUP LENGTH : 15 M

SOURCE : DYNAMITE SPREAD : SINGLE
CHARGE : 25 KG FOLD : 300 M
SHOT DEPTH : 20 M SP. INT : 20 M
CHARGE/SHOT : 1 EA TRACES/SHOT : 1 EA

CONFIGURATION 4450.5---7.5---7.5---4450.5 METERS
|----------300---301----------599 TRACE

LINE FTL-11XC

INSTRUMENTS
SYSTEM : DFS-IV OLD SYSTEM II GEOPHONES
S.R. : 2 MS TYPE : MARK MT10 28 OH
LENGTH : 2 SECONDS FREQUENCY : 10 HZ
FILTER : OUT-1/2 NYQUIST HZ GROUP/NUMBER : 1 & 2
NOTCH : OUT GROUP INTERVAL : 1.0 M
FORMAT : SEG-D GROUP LENGTH : 15 M

SOURCE : DYNAMITE SPREAD : SINGLE
CHARGE : 25 KG FOLD : 300 M
SHOT DEPTH : 20 M SP. INT : 20 M
CHARGE/SHOT : 1 EA TRACES/SHOT : 1 EA

CONFIGURATION 4450.5---7.5---7.5---4450.5 METERS
|----------300---301----------599 TRACE

PROCESSED IN JUNE 2000 BY

KELMAN TECHNOLOGIES

PROCESSING SEQUENCE

DEMULTIPLEX:
BINNING MODE : 2 MS
RECORD RECORD LENGTH : 2 SECONDS
AMPLITUDE RECOVERY: KT(TPOW)X(SQRT(T)) 0x1 0x2 0x3
TRACE EDITING : 2 MS
CROSSCORRELATION & RETIMARITION:
DECONVOLUTION: NONE, AND ADAPTIVE WAVEFORM CLEANUP
OPERATOR LENGTH : SURFACE CONSISTENT SPIKING
PREDICTION GAP : 20 MS
DESIGN GATE : 1000 MS 0 MS 0 MS 0 SPEED
1000 MS 0 MS 0 MS 0 SPEED
1000 MS 0 MS 0 MS 0 SPEED
1000 MS 0 MS 0 MS 0 SPEED
SPEED MODEL : 1000 MS 0 MS 0 MS 0 SPEED
PARTIAL SPECTRAL BALANCING: 8 - 48 HZ
EQUALIZATION:
DESIGN GATE : 1000 MS 0 MS 0 MS 0 SPEED
1000 MS 0 MS 0 MS 0 SPEED
1000 MS 0 MS 0 MS 0 SPEED
STATICS : (REFRACTION): DISPLACED LINEAR INVERSION
METHOD : 1 ITER
REFRACTOR SPACING : 100 M
REFRACTOR VELOCITY : 3700 M/SEC
REPLACEMENT VELOCITY : 3848 M/SEC
SORT:
VELOCITY ANALYSIS: CONTINUE PERCENTAGE FOVEOLUT
STATICS (RESIDUAL): 1ST PERCENTAGE FOVEOLUT
TYPE : 1 ITERATION
ITERATION WINDOW : 10 MS
CONVERGENCE : 10 - 20 MS
CONVERGENCE PERCENTAGE : 15 - 20 %
VELOCITY ANALYSIS: 15 - 20 %
PRE-STACK MIGRATION: CONTINUE PERCENTAGE FOVEOLUT
NMO:
MUTE PATTERN:
STATICS (RESIDUAL): 2ND PASS
TYPE : TYPE AND SPEED VARIANT
ITERATION WINDOW : 2
CONVERGENCE DEPTH : 2 - 4 MS
CONVERGENCE PERCENTAGE : 2 - 4 %
NUMBER OF ITERATION : 2
PRE-STACK MIGRATION: 1ST PASS SURFACE CONSISTENT
VELOCITY ANALYSIS: 2 - 4 %
MIGRATION VELOCITY ANALYSIS: 2
FULL PRE-STACK MIGRATION:
DATUM REFERENCED: TO A FIXED REFERENCE SURFACE.
DATUM REFERENCED: TO A FIXED REFERENCE REDUCED SURFACE.
FILTER: NONE
FREQUENCY: 20/30/90/100 VARIANT
EQUALIZATION: 0/0/0/0 MS TO 1000MS
DESIGN INTERVAL: 0/0/0/0 MS TO 1000MS
DESIGN GATE: 0/0/0/0 MS TO 1000MS
DATUM: 500 MS MSL
FINAL DISPLAY: SEGY
1 MS BLIP INCREMENT

DISPLAY PARAMETERS
SCALE(MS): 0/2.0 TM VERTICAL: 5 IPS
SCALE(TRACE): 1/1

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TRIATHLON PROJECT NUMBER PROJ. NO. 9229-E34-SP LINE NO. 11 PART NO. 1 OF 1 R.R. 10X