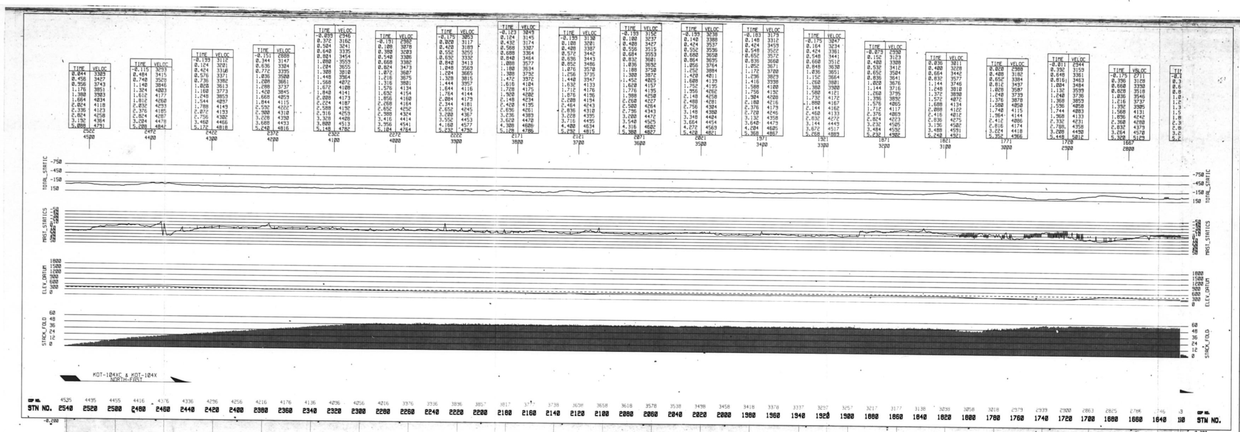

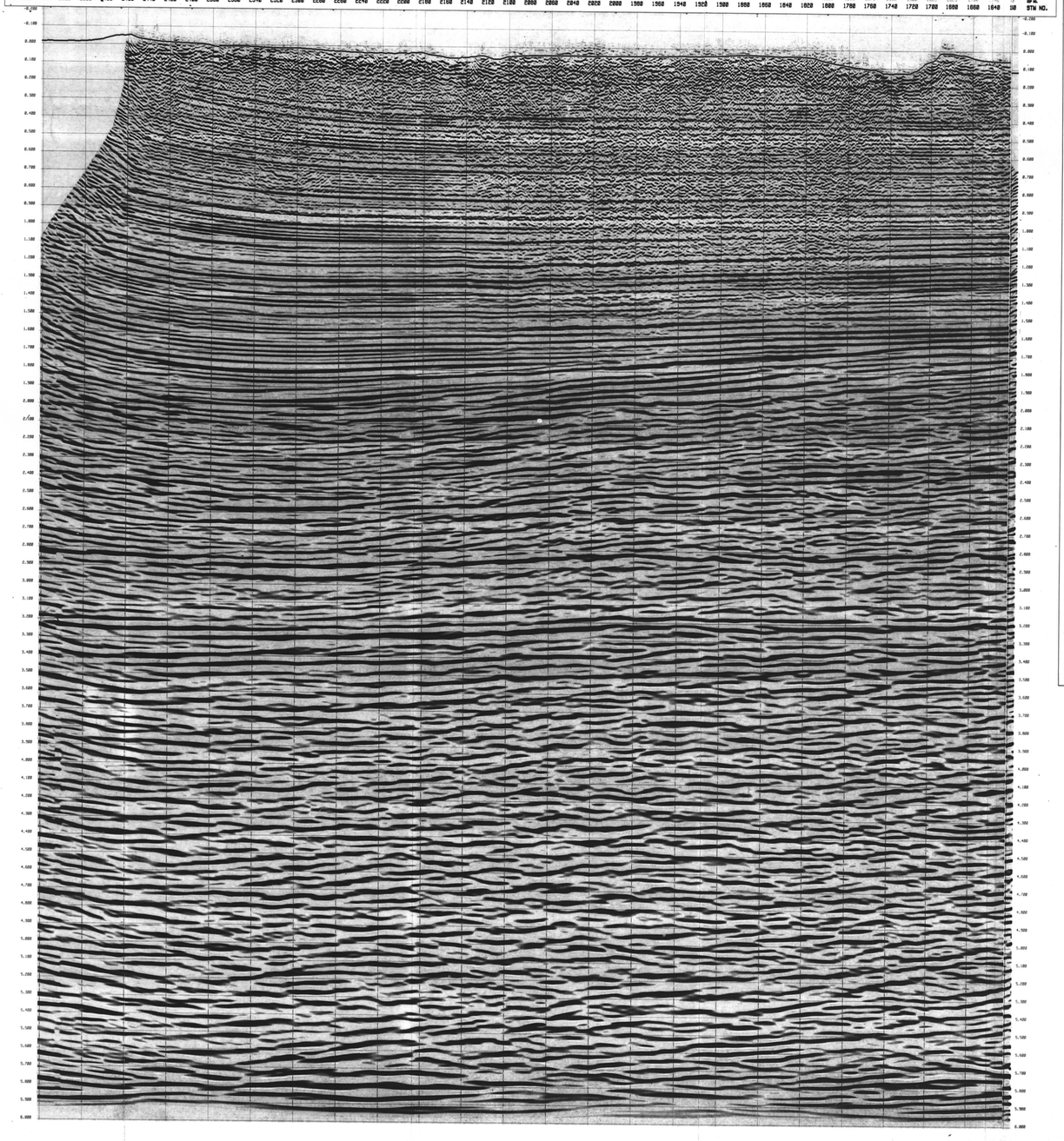

explor DATA L

1600, 639 - 5th AVENUE S.W.
CALGARY, ALBERTA, T2P 0M9
(403) 263 - 5050

IN CONJUNCTION WITH:

Schlumberger

FORT LIARD

LINE: [redacted] & KOT-104X

SPS: 291 - 1688 & 1677 - 2445

PRE STACK MIGRATION

9229-F34-SP f1

NORMAL POLARITY

STATICS PARAMETERS
DATUM: 427 M
REPL VEL: 3048 M/S

FIELD PARAMETERS

SHOT FOR : EXPLOR DATA
SHOT BY : SCHLUMBERGER MARCH 2000

INSTRUMENTS		GEOPHONES	
MAKE/MODEL:	I/O SYSTEM II	TYPE	: SCC 30 CT
S/N	: 2 FS	FREQUENCY	: 10 HZ
LENGTH	: 1 GEOPHONES	GROUP/PLATOON	: 1 X 1
FILTER	: 3-I/O NYQUIST HZ	GROUP/ELEMENT	: 1 X 1
NOTCH	: OUT	SPACING	: 1.667 M
FORMAT	: SEG-D	GROUP LENGTH	: 15 M

SOURCE		SPREAD	
TYPE	: DYNAMITE	FOLD	: 1000%
CHARGE	: 1KGS EXIB SWG MS	S.P. INT	: 50 M
HOLE DEPTH	: 1KGS EXIB SWG M	GRP. INT	: 25 M
		TRACES/SHOT	: 688

CONFIGURATION
4430.5----SP----4430.5 METERS
|----------200-M-200----------688 TRACE

PROCESSED IN JANUARY 2001 BY

KELMAN TECHNOLOGIES

PROCESSING SEQUENCE

DEMULTIPLEX:
SAMPLE RATE : 2 MS
PROCESS RECORD LENGTH : 6 SEC
AMPLITUDE RECOVERY:
EXPONENTIAL GAIN CURVE : $K(T)*PWR(K)EXP(ATT)$ K=1 A=0 N=2
TRACE EDITING:
COHERENT NOISE ATTENUATION:
TYPE : SWPM
MODELING AND ADAPTIVE SUBTRACTION
DECONVOLUTION:
TYPE : SURFACE CONSISTENT SPIKING
OPERATOR LENGTH : 80 MS
PREWHITENING : 1%
DESIGN GATE : 100 - 4000 MS BY 400 M OFFSET
: 1500 - 4000 MS BY 1500 M OFFSET
: 1500 - 4000 MS BY 1500 M OFFSET
: 1500 - 4000 MS BY 1500 M OFFSET
OFFSET RANGE : 400 - 4500 M
PARTIAL SPECTRAL BALANCING:
BAND : 8 - 60 HZ
EQUALIZATION:
DESIGN GATE : 400 - 4000 MS BY 400 M OFFSET
: 1500 - 4000 MS BY 1500 M OFFSET
: 1500 - 4000 MS BY 1500 M OFFSET
: 1500 - 4000 MS BY 1500 M OFFSET
STATICS: (REFRACTION)
METHOD : GENERALIZED LINEAR INVERSION
FREQUENCY SPECTRUM : EVERY SHOT
REFRACTOR VELOCITY : 5000 M/SEC
WEATHERING VELOCITY : 762 M/SEC
REPLACEMENT VELOCITY : 3048(?) M/SEC
SORT:
TYPE : CDP, CDP INTERVAL
VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE REMOVAL
STATICS (RESIDUAL): 1ST PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 200 - 4000 MS
MAXIMUM SHIFT : +/- 50 MS
CORRELATIONS PER TRACE : 15
NUMBER OF ITERATIONS : 2
VELOCITY ANALYSIS:
METHOD : CONSTANT PERCENTAGE REMOVAL
MOVEOUT:
MUTE PATTERN: : TIME AND SPACE VARIANT
STATICS (RESIDUAL): 2ND PASS
TYPE : AUTOMATIC SURFACE CONSISTENT
CORRELATION WINDOW : 200 - 4000 MS
MAXIMUM SHIFT : +/- 15 MS
CORRELATIONS PER TRACE : 15
NUMBER OF ITERATIONS : 2
Z-DATUM-STACK MIGRATION
DATUM: 427 M, REPLACEMENT VELOCITY:
90 TO 110 PCT MEAN OF 4 MCS
FULL PRE-STACK MIGRATION:
TYPE : KIRCHOFF SUMMATION
DATUM REFERENCED, TO PLOTTED WEATHERING REPLACED SURFACE.
SPACING BY SHOT AND RECEIVER
FILTER:
TYPE : ZERO-PHASE TIME VARIANT
FREQUENCY: 8/10-60/70 HZ : 8 TO 1800MS
5/8-58/68 HZ : 1500 TO 3800MS
3/7-46/56 HZ : 3600 TO 6000MS
EQUALIZATION:
DESIGN WINDOW : 500 MS AGC
OUTPUT STACKED DATA:
FORMAT : SEGY
FINAL DISPLAY:

1 KM BLIP INCREMENT

DISPLAY PARAMETERS

HORIZONTAL: 67.733 TPI VERTICAL: 5.0 IPS
SCALE : 1: 20000

WARNING: Before August 15, 2015 there data remain the exclusive property of **Explor Data Ltd.** of Calgary Alberta . Any unlicensed access, reproduction, scan, transfer, sale ,trade or any other availability is prohibited and constitutes grand theft which is punishable under federal and civil law.
VIOLATORS WILL BE PROSECUTED.