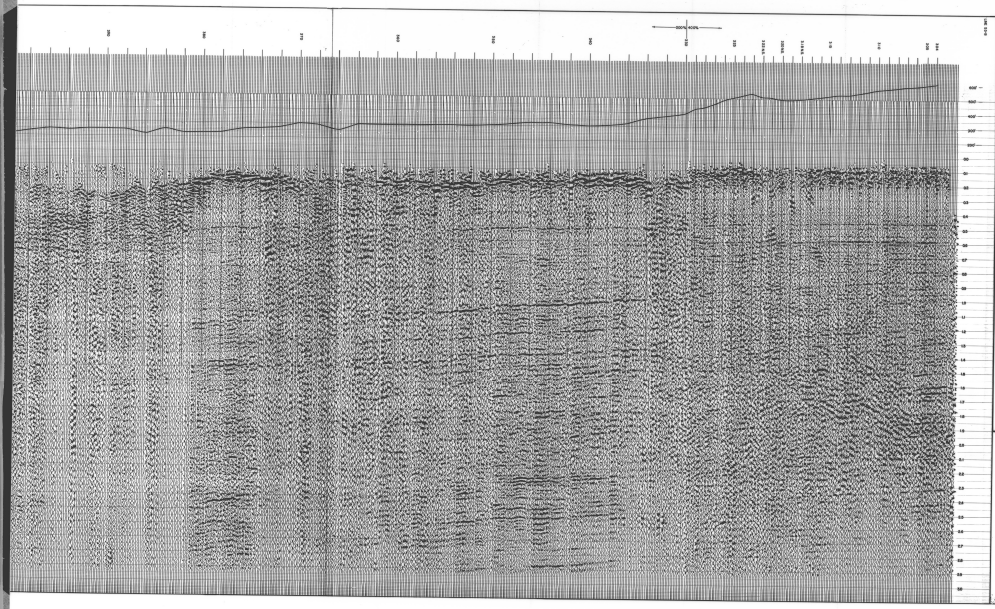
946-06-04-114
SIGMA EXPLORATIONS LTD.
CALGARY, ALBERTA
A SUBSIDIARY OF TEX EX CORPORATION
LINE NO. 10-F
PROJECT: CELERIAC LAKE
PROVINCE: ABERTA WEST 1500 TIMES
FIELD PROGRAM FOR: SIGMA EXPLORATIONS LTD.
FIELD PROCESSED BY: ARCTIC GEOPHYSICAL LTD.
DATA PROCESSED: CPC LTD.
PROCESSED BY: CPC - JAPANESE MARK PROCESSING LTD.
PROCESS ID: GP1 LINEAR 2D
RECORDING PARTICULARS
Field Recording: ☒ Digital ☐ Dual ☐ Analog ☐ Trace Indexed Paper
Energy Source: ☒ Dynamite ☐ Dinoseis ☐ Air Gun ☐ Sparker
☐ Vibroseis ☐ Sweep Frequency Sweep Length sec.
☐ Other
Recorded By: ARCTIC GEOPHYSICAL LTD. Date 1981
Recorded For: SIGMA EXPLORATIONS LTD.
Field Instruments: PT-1000 Type System 1966-2D
No. of Traces Recorded 96 Format 1024 B
Recording Sample Rate 2 msec. Recording Filter Low 8HZ High 125
Data Information: ☒ Binary ☐ ASCII ☐ NGC ☐ Field ☐ Other
Group Interval 50ft No. of Geophones Per Group 9
Spread Layout 2500-2537-2575-2582
Remarks
PROCESSING PARTICULARS
DIGITAL PROCESSING
Input Data: ☒ Multiplex ☐ Sequential Sample rate 2 msec. Format 0 Bits
☒ Dinoseis
☒ Gain Compensation: ☒ Exponential ☐ Spherical Divergence ☐ Programmed
☐ Digital AGC ☐ Trace Equalization ☐ Other
☐ Harmonic Correlation: ☐ Recorded ☐ Synthetic Sweep Frequency
Phase Compensation Spectrum Compensation
☒ NMO Removal
Digital Filtering Routine:
☐ Deconvolution:
Type Operator Length Window Length Lag
☒ Bandpass Filter: ☒ Frequency Domain ☐ Time Domain Operator Length msec.
Time Varying Filter Parameters:
Freq. Hzs. Time Sec. Freq. Hzs. Time Sec. Freq. Hzs. Time Sec. Freq. Hzs. Time Sec.
0 12 32 2000 — — — — — — — — — — — —
☐ Trace Mixing
☐ Residual NMO ☐ Residual Static Correction.
☒ Static Correction, By CGP COMPUTER ARM PROCESSING LTD.
☒ Trace Shifter ☒ Static Shift ☐ Refraction %
☐ Polarity % Gain
☐ Trace Balancing Factor
Datum Velocity ft/sec. Datum Elevation A.S.L.
☒ RMS Equalization ☐ Programmed Gain ☐ Digital AGC
☐ Automatic Program Gain ☐ Other
Polarity ☒ Normal ☐ Reversed
☐ MCP Continuity Filter
Bandpass Corner Hz/s Slope
☐ Two Dimensional Time space Filter Gain
☐ Pass ☐ Reject Left msec. Hz/s Right msec. Hz/s
Digital Output Rate Msec 1000
Remarks ☒ GP-1 LINEAR PROGRAM
FINAL NO.
LINE NO.
PART NO.
OF
B.R. 1017