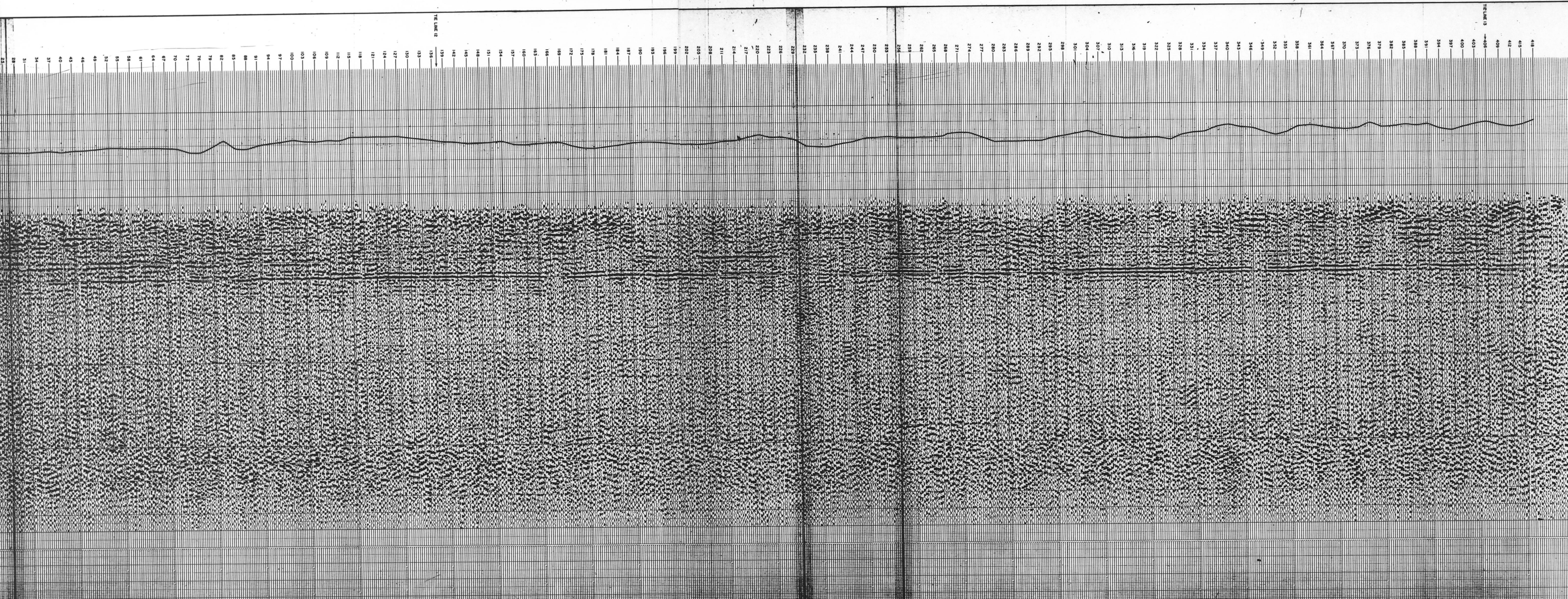




SIGMA EXPLORATIONS LTD.
CALGARY, ALBERTA

LINE NO. 11
PROJECT COLEVILLE LAKE
PROVINCE NORTH WEST TERRITORIES
FIELD PROGRAM FOR SIGMA EXPLORATIONS LTD.
FIELD PROGRAM BY NORTHERN GEOPHYSICAL LTD.
DATE PROCESSED JULY 1971
PROCESSED BY COP COMPUTER DATA PROCESSORS LTD.
PROCESSED ON COP'S COMPAC 75...

RECORDING PARTICULARS
Field Recording ☒ Digital ☐ FM ☐ AM ☐ Transcribed Paper
Energy Source ☐ Dynamite ☐ Dinosol ☐ Air-Gun ☐ Sparker
☒ Vibrosol® Sweep Frequency 80-20.5 Sweep Length 7 sec.
☐ Other

Recorded By NORTHERN GEOPHYSICAL LTD. Date 1971
Recorded For SIGMA EXPLORATIONS LTD.
Field Instruments DFS 111 & ADD 11 Tape System SEG-A
No. of traces Recorded 24 Format SEG-A
Recording Sample Rate 2 msec. Recording Filter Low OUT High 124
Gain Information ☒ Binary ☐ AGC ☐ PGC ☐ Fixed ☐ Other
Group Interval 160' No. of Geophones Per Group 18 OVER 160'
Spread Layout 3000-1280-0-1280-3040
Remarks

(REGISTERED CONFIDENTIAL OIL COMPANY)

DIGITAL PROCESSING
Input Data: ☒ Multiplex ☐ Sequential Sample rate 2 msec. Format SEG-A
☐ Demultiplex
☒ Gain Compensation ☐ Exponential ☐ Spherical Divergence ☐ Programmed
☐ Digital AGC ☐ Trace Equalization ☐ Other TRUE
☒ Vibrosol Correlation: ☒ Recorded ☐ Synthetic Sweep Frequency 80-20.5 HZ
Phase Compensation ☐ Spectrum Compensation
☒ NMO Removal
Digital Filtering Routines:
☐ Deconvolution:
Type Operator Length Window Whittaker Factor Lag
☒ Bandpass Filter ☒ Frequency Domain ☐ Time Domain Operator Length msec.
Time Varying Filter Parameters
Gain Time S.F. 1 2 3 4 5 6 7 8 9 10
0.0-2.000 20-250 20-250 20-250 20-250 20-250 20-250 20-250 20-250 20-250
0.0-2.000 20-250 20-250 20-250 20-250 20-250 20-250 20-250 20-250 20-250

☒ Trace Muting 1-250; 9-150; 10-0; 15-0; 18-150; 24-250
☐ Residual NMO ☒ Residual Static Corrections
☐ Static Corrections By COP COMPUTER DATA PROCESSORS LTD.
☒ Trace Gather ☒ Stack 400 % ☐ Gather %
☐ Powerstat % Gate
Datum or Flattening Horizon STRUCTURE
Datum Velocity 18,000 Ft/sec. Datum Elevation 1,000' A.S.L.
☒ RMS Equalization ☐ Programmed Gain ☐ Digital AGC
☐ Automated Program Gain ☐ Other
Polarity ☒ Normal ☐ Reversed
☐ MCF Continuity Filter
Bandpass Option Hertz Gate
☐ Two Dimensional Time/space Filter Gate
☐ Pass ☐ Reject Left msec./trace Right msec./trace
Digital Output Reel No. 252
Remarks 8. COP'S CORESTAT PROGRAM

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815-06-06-02



2000 Valley Rd.
Crawley, Ont.
Canada N1C 3P1
Tel: 905.302.1111
Fax: 905.302.1112
Cable: TERRA

PROJ. NO.

815-08-03-02

LINE NO.

11

PART NO.

2

OF

2

R.R. 5.5X

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

