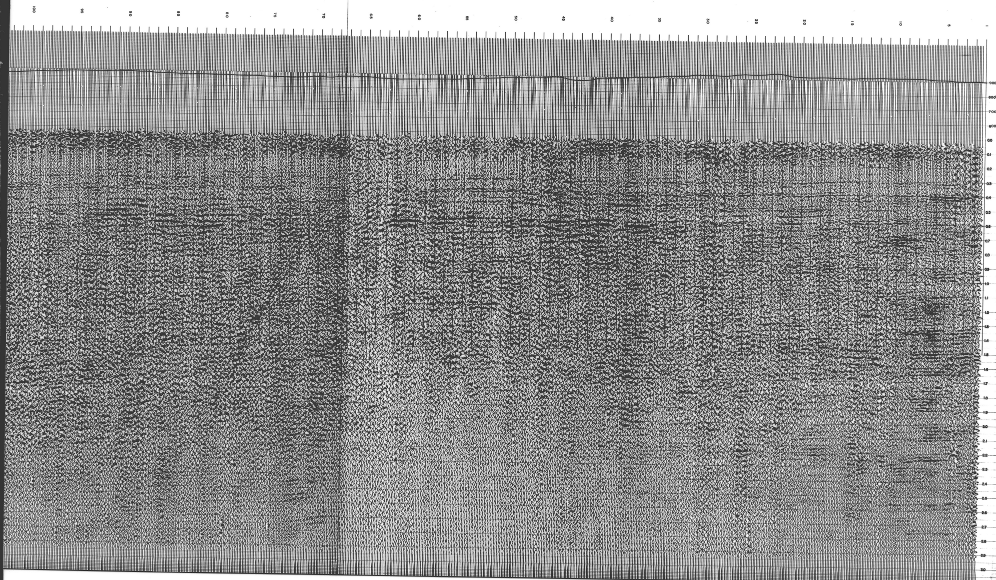
246-06-04-114

59170



SIGMA EXPLORATIONS LTD.

CALGARY, ALBERTA
A SUBSIDIARY OF THE GTS CORPORATION

LINE NO. 53 - A
PROJECT COLEVILLE LAKE
PROVINCE NORTH WEST TERRITORIES
FIELD PROGRAM FOR SIGMA EXPLORATIONS LTD.
FIELD PROGRAM BY NORTHERN GEOPHYSICAL LTD.
DATE PROCESSED JUNE 1971
PROCESSED BY CDP COMPUTER DATA PROCESSORS LTD.
PROCESSED ON CDP'S COMPAC 75 ..

RECORDING PARTICULARS

Field Recording [X] Digital ☐ FM ☐ AM ☐ Transcorded Paper
Energy Source [X] Dynamite ☐ Dinoseis ☐ Air-Gun ☐ Sparker
☐ Vibroseis* Sweep Frequency Sweep Length sec.
☐ Other
Recorded By NORTHERN GEOPHYSICAL LTD. Date 1971
Recorded For SIGMA EXPLORATIONS LTD.
Field Instruments PT-830 Tape System PDR-89
No. of traces Recorded 24 Format SEG-A
Recording Sample Rate 2 msec. Recording Filter Low OUT High 124
Gain Information [X] Binary ☐ AGC ☐ PGC ☐ Fixed ☐ Other
Group Interval 160' No. of Geophones Per Group 9
Spread Layout 2080-320-320-2080
Remarks

(* REGISTERED CONTINENTAL OIL COMPANY)

DIGITAL PROCESSING

Input Data: [X] Multiplex ☐ Sequential Sample rate 2 msec. Format 9 TRACK
[1] Demultiplex
[2] Gain Compensation [X] Exponential ☐ Spherical Divergence ☐ Programmed ☐ Digital AGC ☐ Trace Equalization ☐ Other
☐ Vibroseis Correlation: ☐ Recorded ☐ Synthetic Sweep Frequency
Phase Compensation Spectrum Compensation
[3] NMO Removal
Digital Filtering Routines:
☐ Deconvolution:

Type	Operator Length	Window	Whitening Factor	Lag

[5] Bandpass Filter [X] Frequency Domain ☐ Time Domain Operator Length msec.
Time Varying Filter Parameters

	Gate Times	S.P.	Bandpass Response	S.P.	Bandpass Response	S.P.	Bandpass Response	S.P.	Bandpass Response	S.P.	Bandpass Response	S.P.
5.	0.0-3.000		20-25/ 70-75									

[4] Trace Muting
☐ Residual NMO [7] Residual Static Corrections
[4] Static Corrections By CDP COMPUTER DATA PROCESSORS LTD.
[6] Trace Gather [X] Stack 400 % ☐ Gathstac %
☐ Powerstac % Gate
Datum or Flattening Horizon STRUCTURE
Datum Velocity 16,000 Ft./sec. Datum Elevation 1,000' A.S.L.
[9] 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. 5479
Remarks 7 CDP'S CORESTAT PROGRAM

PROJ. NO. 2 4 6 0 6 0 4 1 1 4

LINE NO. 5 3 - A

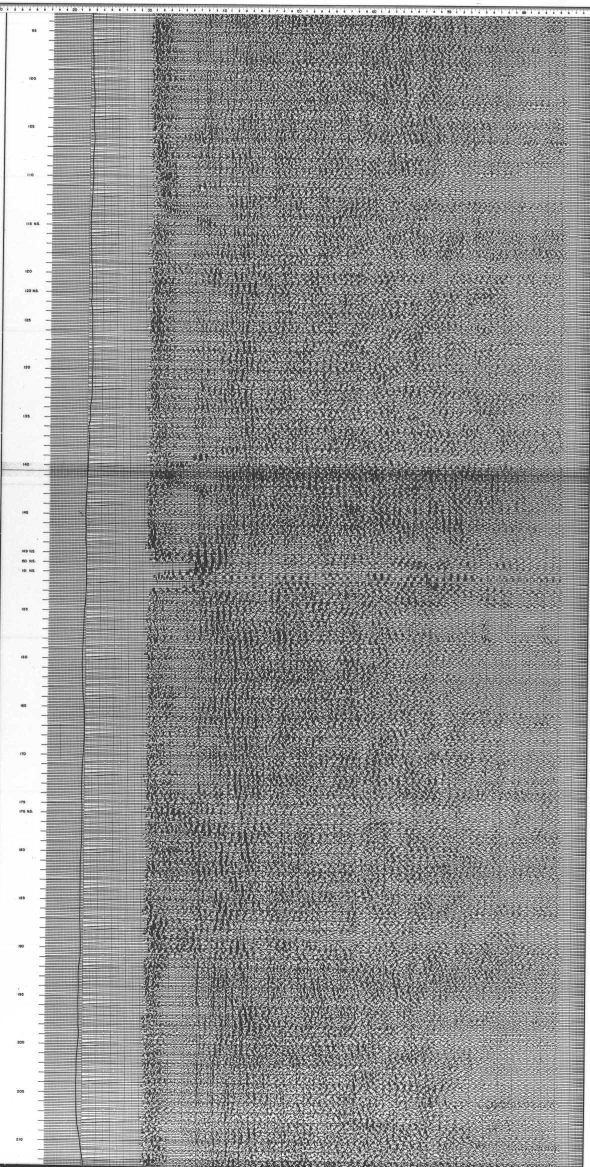
PART NO. 1 OF 3

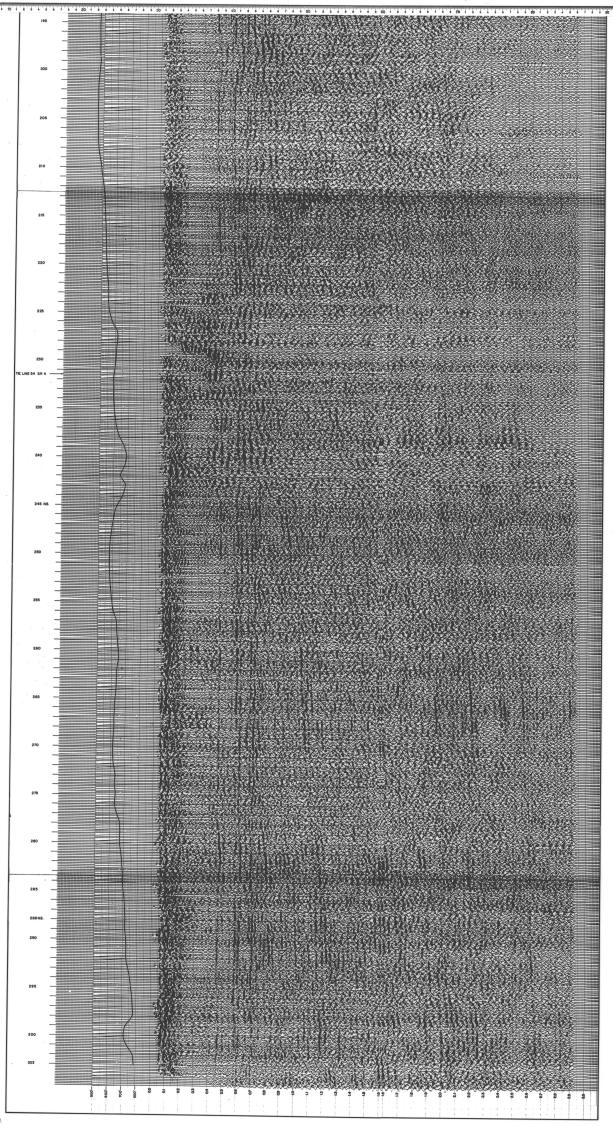
R.R. 10X

2060 Walkley Rd. Ottawa, Ont. Canada K1G 3P5 Tel. (613) 731-9571 Telex 053-3502 Cable TERRA

2060 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel. (613) 731-9571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 246 06 04 114 LINE NO. 53-A PART NO. 2 OF 3 R.R. 10X



2360 Walkley Rd. Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-8571
Telex: 053-3502 Cable: TERRA

PROJ. NO. 2 4 6 0 6 0 4 1 1 4 LINE NO. 5 3 - A PART NO. 3 OF 3 R.R. 10X