

Field Recording ☒ Digital ☐ FM ☐ AM
Shot by GLOBE UNIVERSAL SCIENCES
Field Instruments GEOSPACE 1590
Tape System EPR
Recording Sample Rate 1 msec.
Tape Filter, Low 1/12 High 1/93
Gain Information ☐ Fixed ☐ AGC
BINARY GAIN ☐ PGC ☐ GAGC
Spread Layout 2640-0-2640
Processing Sample Rate 2 msec.

☐ Fourier Analysis
☐ Variable Velocity Functions
☒ NMO Removal
☐ Trace Muting
☒ Deconvolution 48 pts. MSEC.
☒ Autocorrelation Window
500-1,300 SEC. W.F. = 1.5
☒ Digital Filter 15-20/50-55
Filter Operator Length pts.
☐ Time-Variant Filter
☐ Automatic Statics Program

8. ☒ Static Corrections by
GEO-TECHNICAL SERVICES
☐ Trace Gather
☒ Stack 400 % GATHSTAC
☒ T/V Trace Scaling
Datum or Flattening Horizon
0.600 SEC.
Correctional Datum Elevation 2000' ± 1
Datum Velocity 2000 ft/sec
Digital Output Reel No. 3600
Remarks
1. BINARY GAIN NORMALIZATION

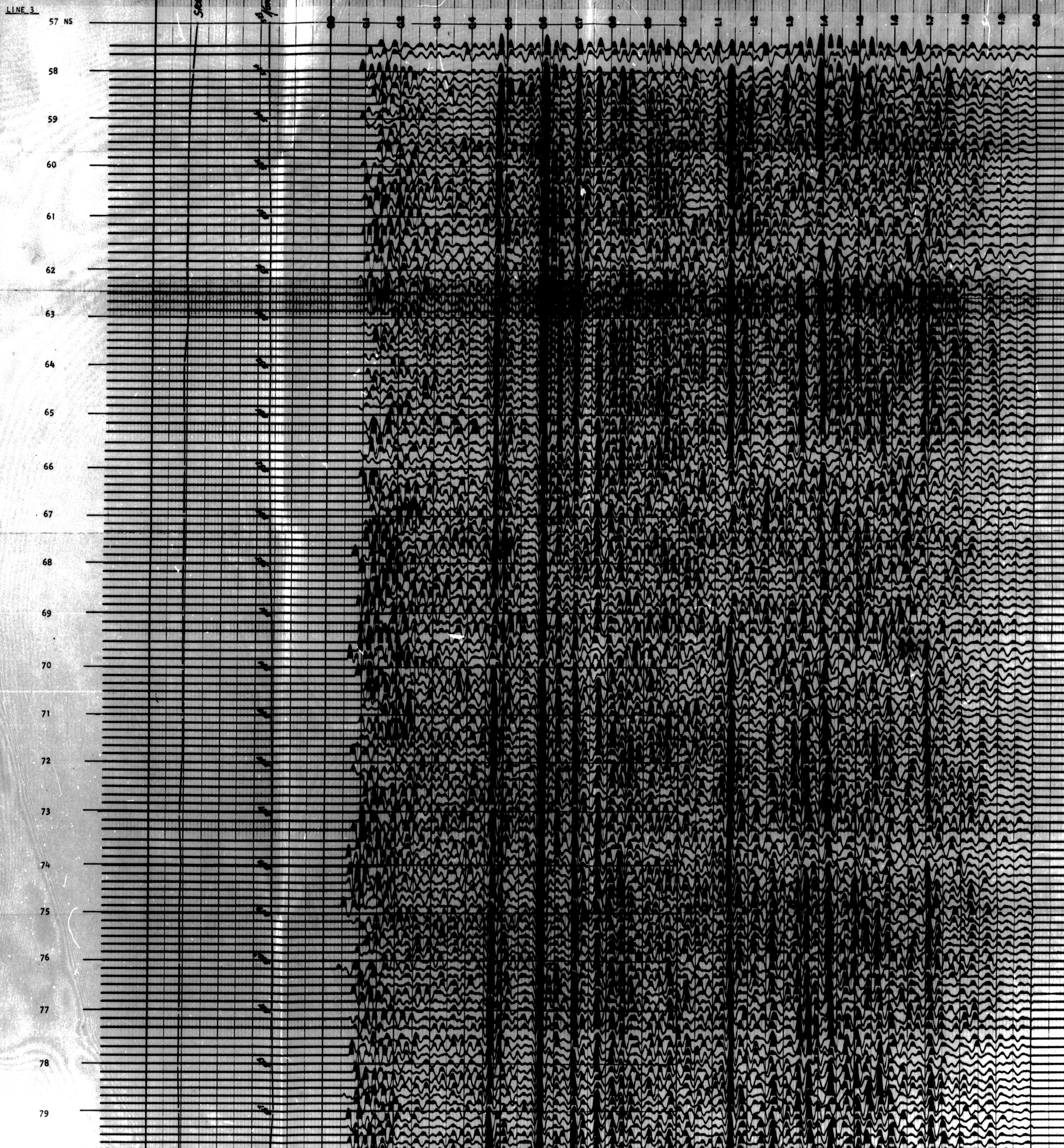
CDP

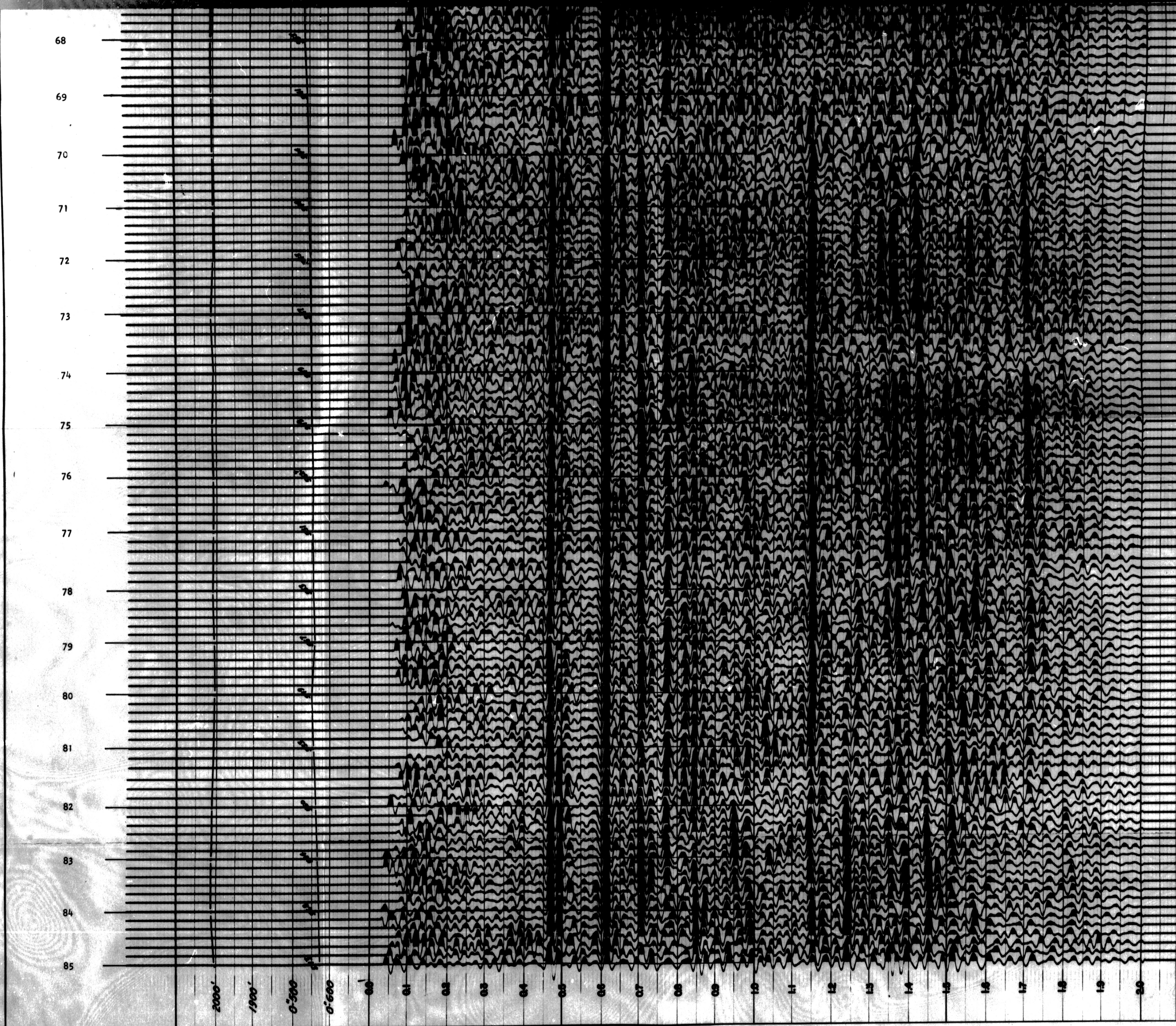
CDP COMPUTER DATA PROCESSORS LTD.
Calgary, Alberta

Phone 264-9289
Area Code 403

GEO SECTION

CLIENT ATKINSON PETROLEUMS LTD.
AREA TRAINOR LAKE, N.W.T.
LINE No. 3
DATE APRIL 10, 1970
CDP PROJECT No. 45623
CLIENT No.





REFLECTION SEISMOGRAPH REPORT

OF THE

TRAINOR LAKE AREA

NORTHWEST TERRITORIES

ATKINSON PETROLEUMS LTD.

APRIL 1972

VYE EXPLORATION CO. LTD.

CALGARY

803-6-4-7

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EARNSCcliffe

TRAINOR LAKE AREA

NORTHWEST TERRITORIES

Period of Field Work - March 15 - 24, 1970

Operator - Atkinson Petroleum Ltd.,
9th Floor, 540 - 5th Ave. S. W.,
Calgary, Alberta.

Contractor - Globe Universal Sciences Canada Ltd.,
502 - 42nd Avenue S. E.,
Calgary, Alberta.

Report prepared by - Vye Exploration Co. Ltd.,
(Geophysical Consultants)
512 - 6th St. S. W.,
Calgary, Alberta

Date - April, 1972

Project # - 803-6-4-70-1



Abstracted for
Geo-Science Data Index

Date _____

I. INTRODUCTION:

Three lines of 400% seismic control were recorded in March of 1970. The location of these lines relative to Trainor Lake are outlined on the small scale plat made a part of this report.

II. Results and Interpretation:

Three maps have been prepared from the data and are being enclosed.

1. Kotcho Time Structure.
2. Slave Point Time Structure.
3. Kotcho to Slave Point Time Interval.

The two structure maps reveal dip to the northwest and thinning is noted in the same relationship on the interval map.

A copy of our record section for Line 3 summarizes the recording parameters and describes the data processing routine.

Vye Exploration Co. Ltd.,


E. J. Jackson



- ☐ ISLAND RIVER - UNION BLOCK
- ☐ ISLAND RIVER BLOCK
- ☐ TRAINER LK. BLOCK
- TROUT LK.: ☐ FARM-IN BLOCK
- ☐ OPTION BLOCK
- ☐ PENNZOIL LANDS
- LINES SHOT

ATKINSON PETROLEUMS LTD.
ISLAND RIVER AREA
LAND MAP

STATISTICAL DATA:

RE: TRAINOR LAKE AREA
NORTHWEST TERRITORIES
MARCH, 1970

*Trout Lake
Areas 1, 2 and 3*

Line dozing commenced on March 15, 1970 followed by shot hole drills on March 19, 1970.

Recording operations commenced and were completed on March 24, 1970.

All equipment prior to this survey was employed in an area northeast of Trout Lake. Upon completion, the crew moved to an area southeast of Trout River.

Production

Total Miles Shot:	10.25
Number of Shots:	83
Number of Stations:	83 profiles
Days Worked:	2
Average Daily Production:	10.25 miles
Down Time:	Nil

Personnel

- 1 - Supervisor
- 1 - Party Manager
- 1 - Computer/Clerk
- 1 - Observer
- 1 - Shooter
- 1 - Shooter's Assistant
- 2 - Reel Truck Drivers
- 6 - Observer's Helpers
- 1 - Surveyor
- 1 - Rodman
- 6 - Drillers
- 6 - Drill Helpers
- 2 - Water Truck Drivers
- 2 - Camp Catering Staff
- 4 - Dozer Operators

Navigation

Survey by theodolite: reference to old well sites and previous survey maps.

Conditions

Communications by single side band five channel radios. Most frequently worked channel was the high frequency (14320) to Edmonton.

Field Procedures

Recording was done with Geo Space 1590 Binary Gain instruments. 2640 foot split spreads were used with single hole drilled every 660 feet. The resultant stack was 400%.
The average charge size was 2.5 lbs. at 60'.

Geophone station intervals were 220'.

120/30

WAGNER-DIX - 2

- (2) ACCESS LINES CONSTRUCTED (44)
(3) EXISTING LINES USED
(4) NEW DORED LINES
(5) COMPOSITE NEED #
(6) SURVEY FOR VTE EXPLORATION
(7) SURVEY BY GLOBE UNIVERSAL SCIENCES
CANADA LTD. PARTY 103

№ 19 (1970)

TRADEWIND
LAKE

TO ME.
THAT LONG

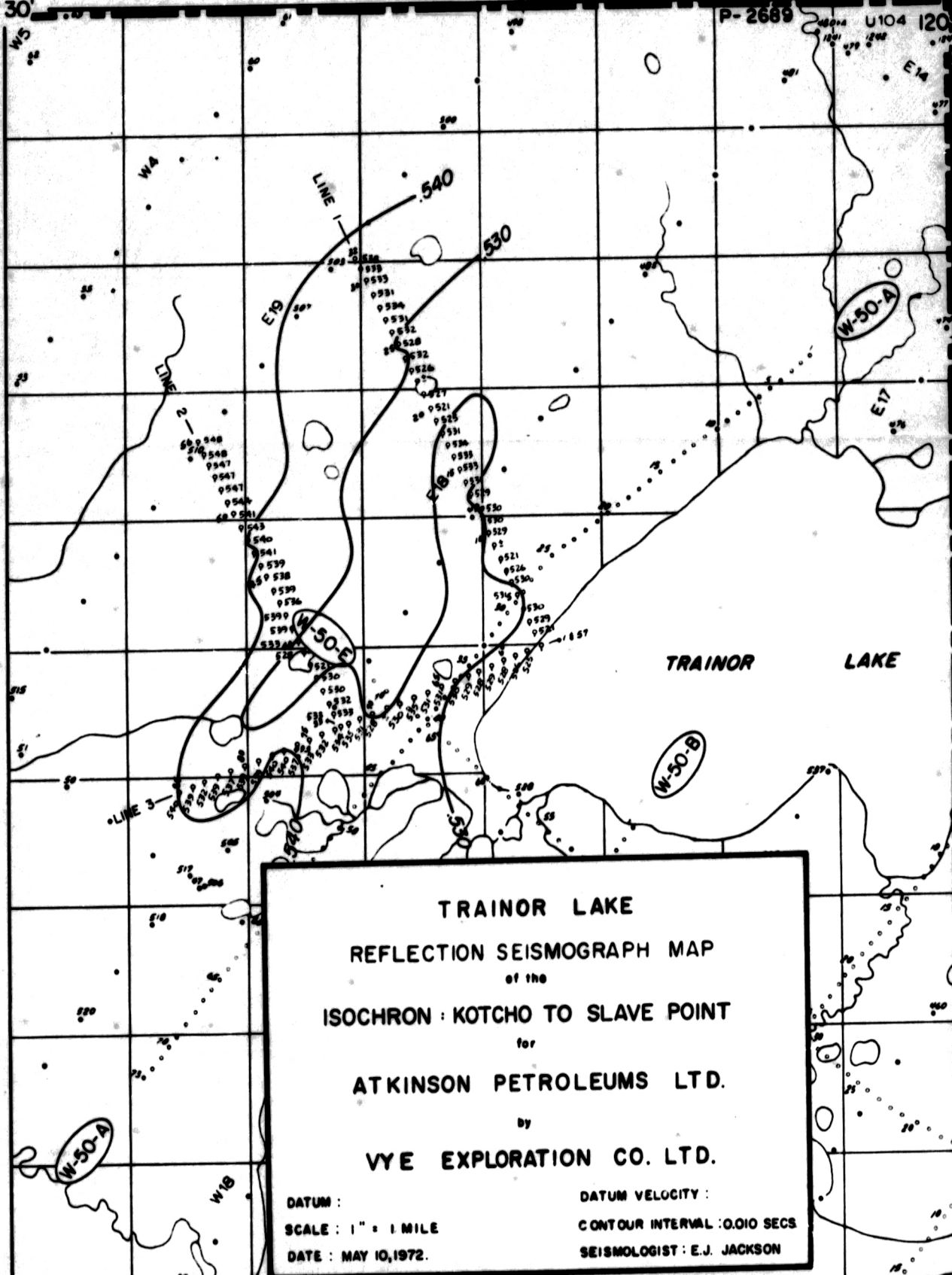
120.30'

60° 30'

P-2689

U104

120° 15'



TRAINOR LAKE
REFLECTION SEISMOGRAPH MAP
 of the
ISOCHRON : KOTCHO TO SLAVE POINT
 for
ATKINSON PETROLEUMS LTD.
 by
VYE EXPLORATION CO. LTD.

DATUM :

SCALE : 1" = 1 MILE

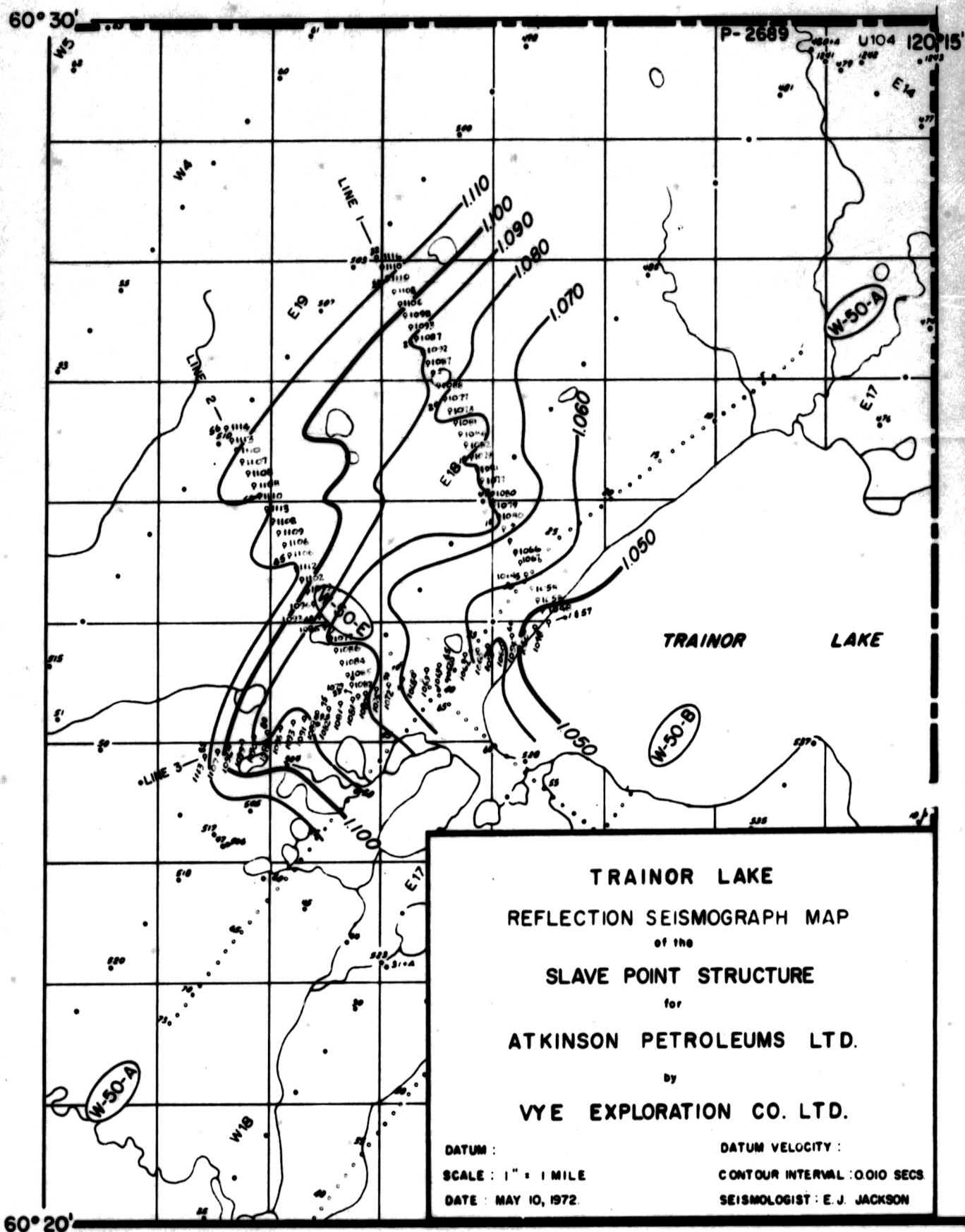
DATE : MAY 10, 1972.

DATUM VELOCITY :

CONTOUR INTERVAL : 0.010 SECS

SEISMOLOGIST : E.J. JACKSON

60° 20'

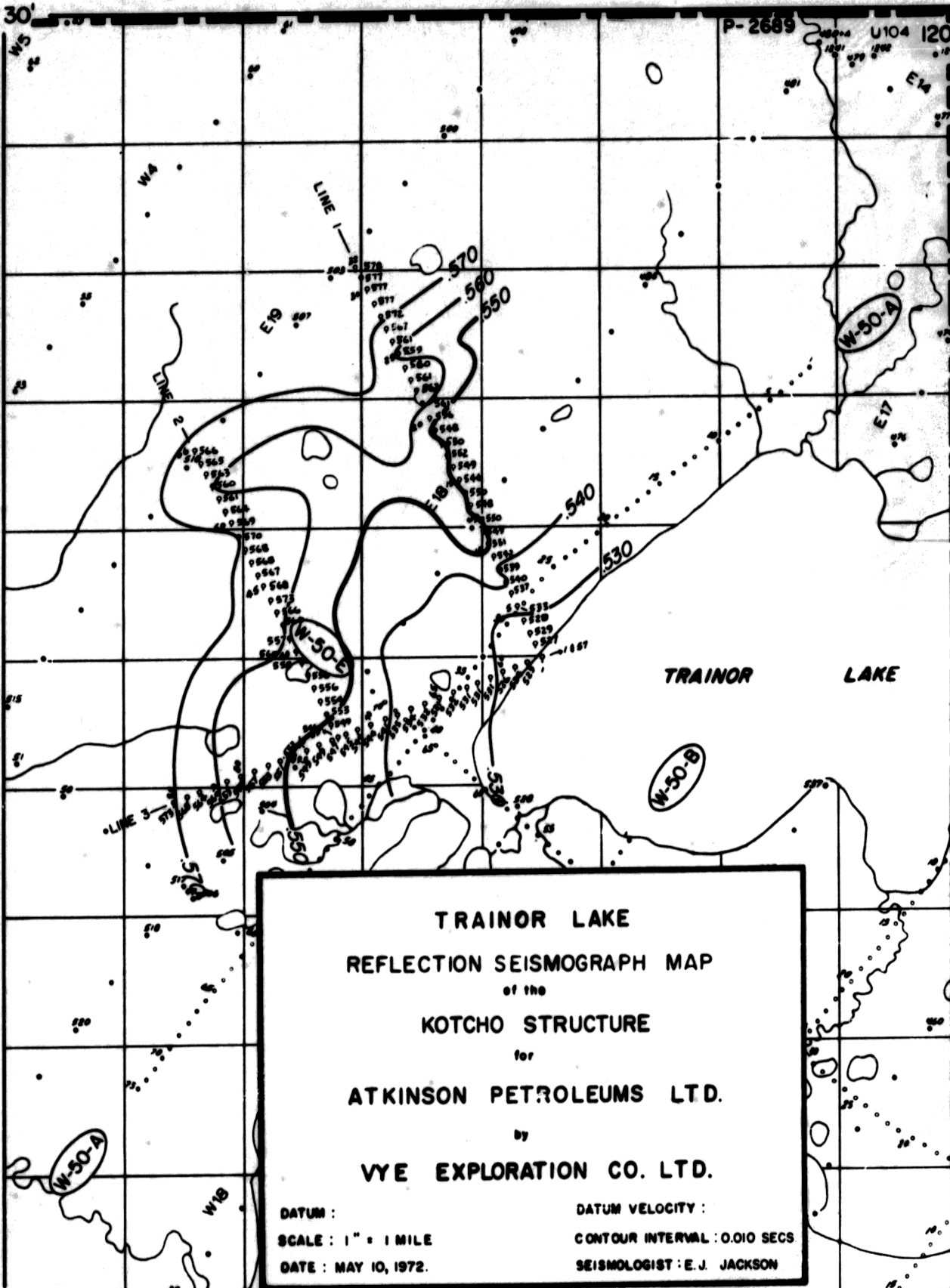


60° 30'

P-2689

U104

120° 15'



TRAINOR LAKE
 REFLECTION SEISMOGRAPH MAP
 of the
 KOTCHO STRUCTURE
 for
 ATKINSON PETROLEUMS LTD.
 by
 VYE EXPLORATION CO. LTD.

DATUM :
 SCALE : 1" = 1 MILE
 DATE : MAY 10, 1972.

DATUM VELOCITY :
 CONTOUR INTERVAL : 0.010 SECS
 SEISMOLOGIST : E. J. JACKSON

60° 20'