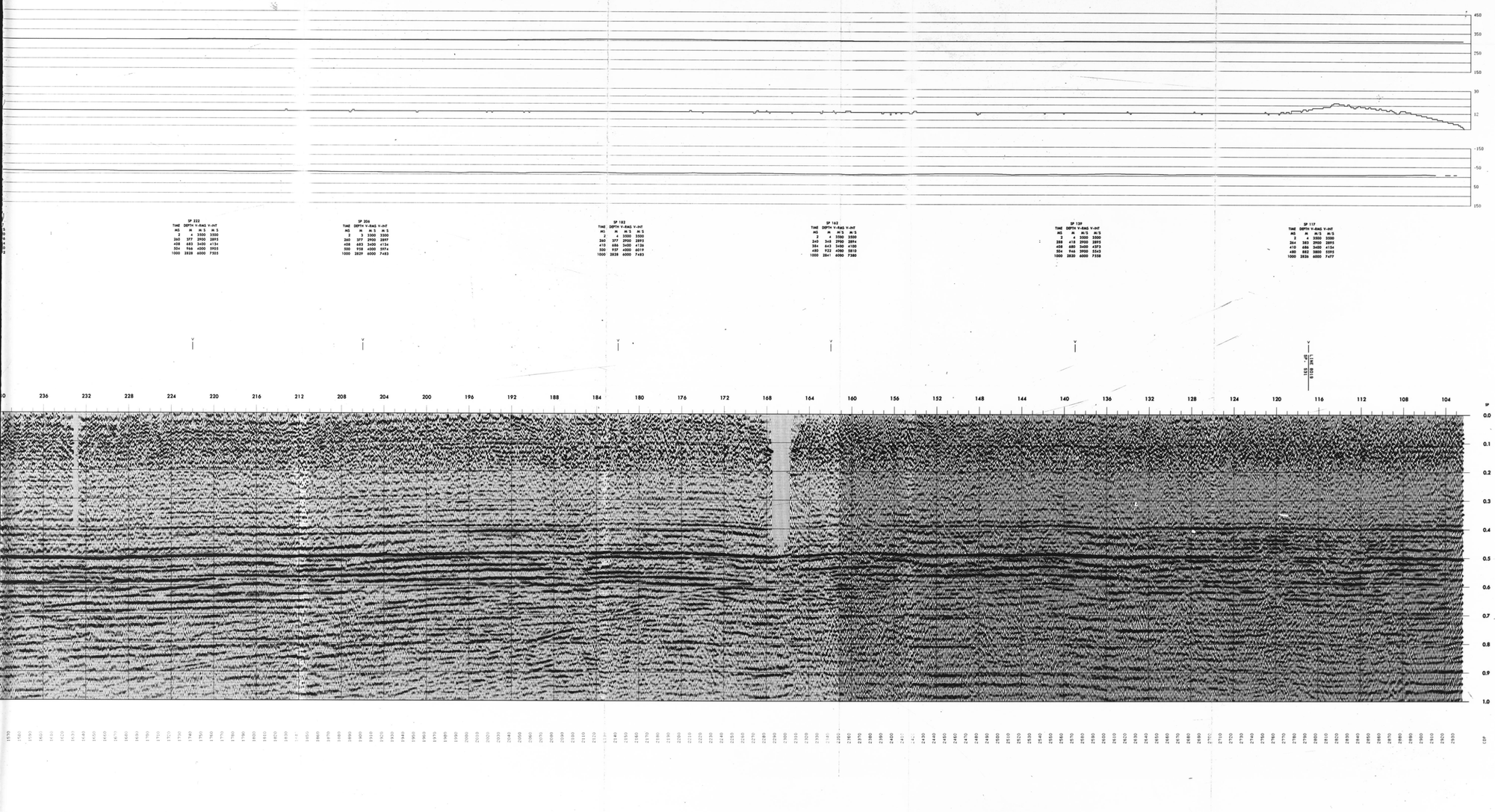


9229-P28-9E

4-1739 R 86-01

Seiscom Delta United

CLIENT: PETRO-CANADA
AREA: CAMERON HILLS
LINE: 8017
SHOTS: 103-396
LOCATION: NORTHWEST TERRITORIES
NTS: 85C
NE
FOLD: 1200%
POLARITY: NORMAL
PROCESS: MIGRATED STACK

ACQUISITION: SEFEL GEOPHYSICAL LTD.
DATE SHOT: MARCH 1985

SPREAD
- SHOOTING DIRECTION: SW TO NE
- STATION INTERVAL: 20 METERS
- SHOT INTERVAL: 100 METERS
- NO. OF TRACES: 120
- SPREAD CONFIGURATION: 1220-40-X-40-1220 METERS

INSTRUMENTS
- MAKE/MODEL: DFS V
- SAMPLE RATE: 2 MS
- RECORD LENGTH: 2 SEC
- FILTER: 12/18 - 128/72 HZ/DB/OCT
- NOTCH FILTER: OUT
- TAPE FORMAT: SEGD 120 TRACES

RECEIVERS
- TYPE: GEOSPACE GS20D 14 HZ
- NUMBER PER GROUP: 9
- SPACING: 2.5 METERS

SOURCE
- TYPE: DYNAMITE
- CHARGE SIZE: 1/2 KG. EACH HOLE
- SOURCE LAYOUT: 8 OR 3 HOLES INLINE OVER 20 M

PROCESSING: SEISCOM DELTA UNITED (CANADA) LTD.
CENTER: CALGARY, ALBERTA **DATE:** MAY 1985

DEMULTIPLEX
- PROCESSING SAMPLE RATE: 2 MS
- PROCESSING RECORD LENGTH: 1.0 SEC
- REFORMAT TO: SEGY, 32 BIT, FLOATING POINT

AMPLITUDE RECOVERY
- SPHERICAL DIVERGENCE: TO 600 MS.
- EXPONENTIAL GAIN: 1dB/SEC.

DECONVOLUTION
- TIME CONSTANT
- TYPE: SPIKING
- OPERATOR LENGTH: 80 MS
- PREWHITE: 0.1%
- DESIGN WINDOW LENGTH: 650 MS.

STATICS
- DRIFT SHOT AND RECEIVER STATICS
- DATUM: 300 METERS
- REPLACEMENT VELOCITY: 4500 M/S
- WEATHERING VELOCITY: 610 M/S

PRELIMINARY VELOCITY ANALYSIS
- TYPE: DOVE VELOCITY SPECTRA (DATUM REFERENCED)
- INTERVAL: EVERY 4 KM

RESIDUAL STATICS
- TYPE: SURFACE CONSISTENT
- WINDOW: 350 TO 650 MS.

VELOCITY ANALYSIS
- TYPE: DOVE VELOCITY SPECTRA (DATUM REFERENCED)
- INTERVAL: EVERY 2 KM
- VERIFICATION: COMMON OFFSET STACK

NMO
- INTERVAL VELOCITIES COMPUTED BY DIX EQUATION

FRONT MUTE

RANGE (M)	TIME (MS)
220	0
260	300
1220	1000
2440	1100

CDP STACK
- FOLD: 1200%

WAVE EQUATION MIGRATION
- 80 PCT. OF INTERVAL VELOCITY APPLIED

FILTER
- TYPE: TRAPEZOIDAL, ZERO PHASE
- 20 - 25 - 80 - 100 HZ

TRACE EQUALIZATION
- SLIDING WINDOW LENGTH: 400 MS
- PERCENT: 100

DISPLAY
- HORIZONTAL SCALE: 36 TR/INCH
- VERTICAL SCALE: 7.5 INCHES/SEC

REMARKS
- LINE TIES ESTIMATED FROM U.T.M.

PROCESSED BY: W. DOUGHERTY
QUALITY CONTROL BY: C. MORRISON

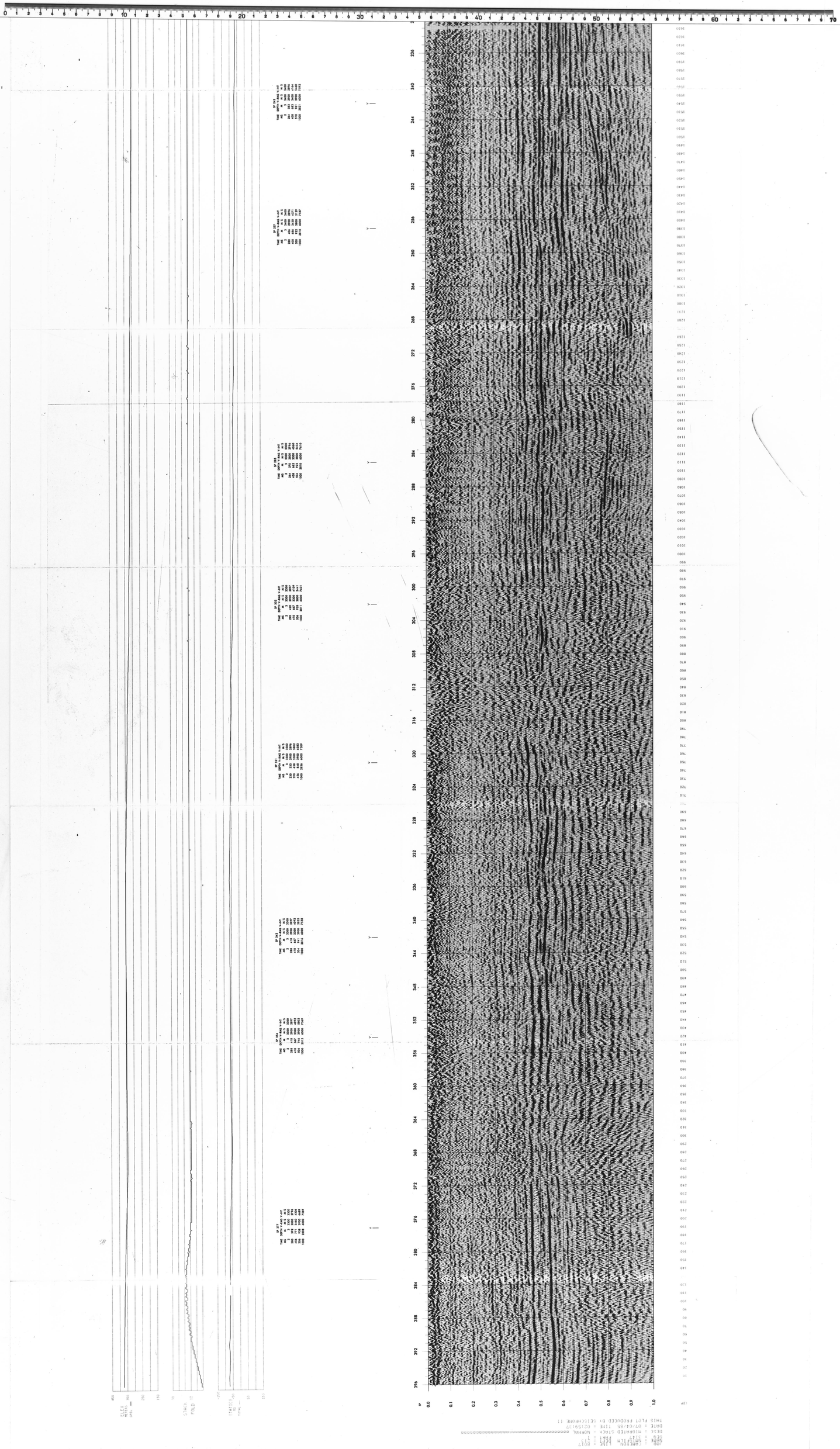
tera seismic ltd.
2060 Walkley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-9571
Telex: 053-3502
Cable: TERRA

PROJ. NO. 9229-P28-9E

LINE NO. 8017

PART NO. 1 OF 2

R.R. 8X

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

PROJ. NO. 9 2 2 9 - P 2 8 - 9 E LINE NO. 8 0 1 7 PART NO. 2 OF 2 R.R. 8X