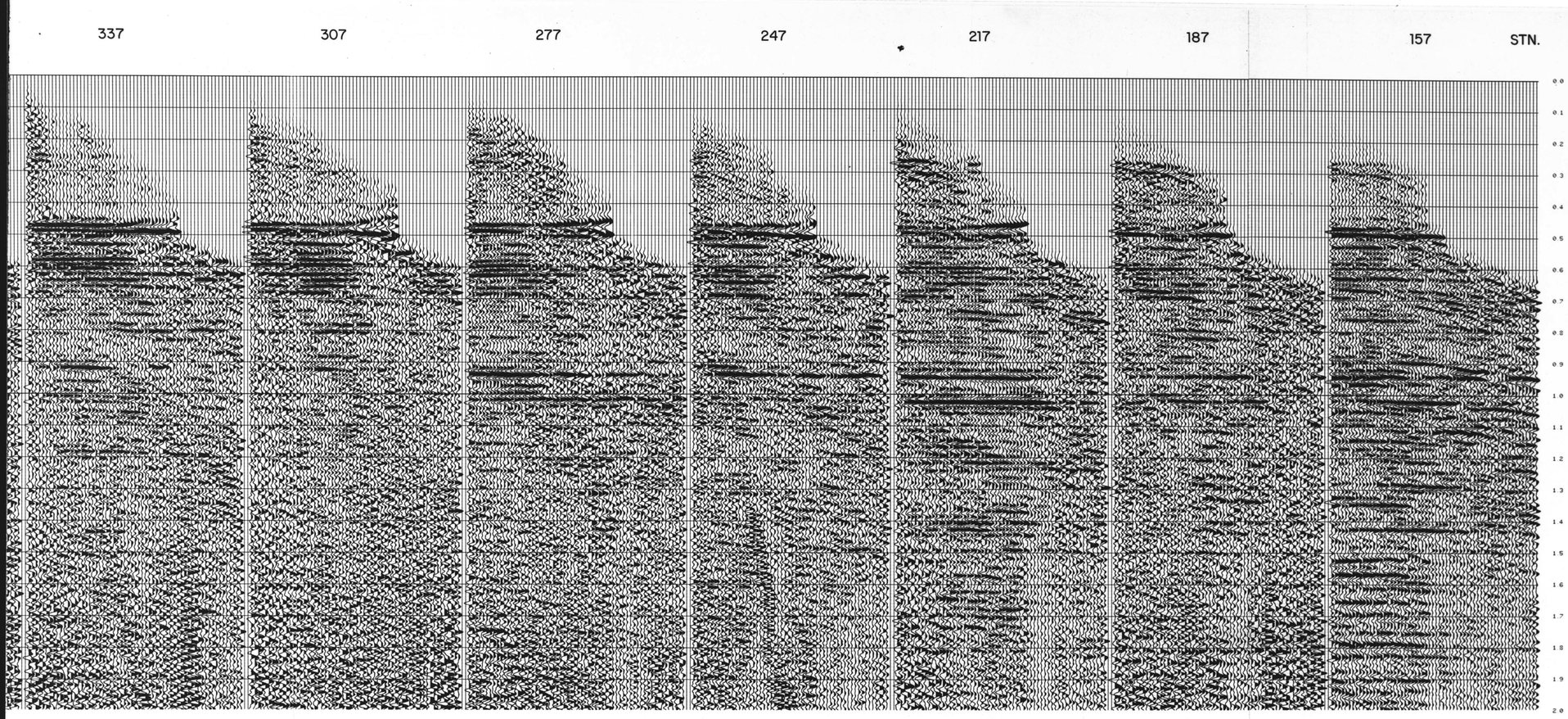


9229 - C20 - 1E

LINE: 85-370

WESTERN GEOPHYSICAL LTD.
CALGARY ALBERTA
PROCESSING DATE : APRIL 1986
PROCESSED FOR : CANADIAN SUPERIOR OIL LTD.

AREA	:	CAMERON HILLS
LINE	:	85-370
S.P.	:	661 - 121
DIR.	:	WEST - EAST
NTS GRID	:	84 N-13/14
NTS GRID	:	85 C-3/4
LOCATION	:	T126 R18-21 W5M+NWT
POLARITY	:	NORMAL
AFE	:	G3 - 634
DATUM ELEV.	:	750 M
REF. VEL.	:	2250 M/S

COMMON OFFSET STACK

FIELD PARAMETERS

SHOT FOR: CANADIAN SUPERIOR OIL LTD.
SHOT BY : SONIX EXPLORATION LTD.
DATE : MARCH 1986

SPREAD

SHOOTING DIRECTION		W - E			
FOLD		1500%			
STATION INT.		18 M			
SHOT PT. INT.		72 M			
SPREAD:	(TR)	1	60 61		120
DIST:	(M)	1152 --	90 X 90	---	1152

RECEIVER

MAKE/MODEL/TYPE	OYO / 14HZ
NUMBER PER GROUP	9
SPACING	2.25M
ARRAY	INLINE

SOURCE

TYPE	VIBROSEIS ®
VIBRATOR MODEL	LRS-315
NUMBER OF SOURCES	3
DRAG LENGTH	7 MOVES OF 5.14 M
SWEEP FREQUENCY	VARI-SWEEP (8 SWEEPS)
	1. 15 - 75 HZ
	2. 20 - 80 HZ
	3. 25 - 85 HZ
	4. 27 - 87 HZ
	5. 30 - 90 HZ
	6. 33 - 93 HZ
	7. 35 - 95 HZ
	8. 40 - 100 HZ
SWEEP LENGTH	12 SEC

INSTRUMENTS

MAKE/MODEL	FTI - DFS-V
RECORD LENGTH	2 SEC
SAMPLE RATE	2 MS
FILTER	8 - 128 HZ
NOTCH	OUT
TAPE FORMAT	SEG B
TAPE DENSITY	1600 BPI

PROCESSED BY WESTERN GEOPHYSICAL DIVISION OF LITTON INDUSTRIES

PROCESSING PARAMETERS

1. DEMULTIPLEX
   - OUTPUT SAMPLE RATE: 2 MS
   - OUTPUT DATA LENGTH: 2 SECONDS
2. GEOMETRY
   - LINE, PATTERN, SOURCE, ELEVATION STATIC
3. AMPLITUDE RECOVERY
   - TYPE: SPHERICAL DIVERGENCE
4. DEPHASING
   - GEOPHONE: 14 HZ 60% DAMPING
5. DECONVOLUTION
   - TYPE: PREDICTIVE
   - PREDICTION DISTANCE: 12 MS
   - OPERATOR LENGTH: 60 MS
   - PREWHITENING: 0.1%
   - APPLICATION WINDOW: 0 - 2000 MS
   - DESIGN WINDOW (NEAR OFFSET- 90 M): 200 - 1200 MS
   - DESIGN WINDOW (FAR OFFSET-1152 M): 800 - 1200 MS
6. CDP GATHERS
7. STATICS
   - INTERACTIVE REFRACTION ANALYSIS
   - DRIFT AND WEATHERING CORRECTIONS
8. VELOCITY ANALYSIS (VELAN®)
   - REFERENCED TO SURFACE
9. NORMAL MOVEOUT APPLICATION
   - REFERENCED TO SURFACE
10. AUTOMATIC SURFACE CONSISTENT STATICS (MISER®)
    - WINDOW: 350 - 1100 MS
    - MAXIMUM SHIFT: +/- 24 MS
    - NO. OF ITERATIONS: 3
11. RE-ITERATION OF 8 AND 9
12. REFLECTION STRENGTH GAIN
    - STANDOUT AFTER GAIN: 1.75
13. AUTOMATIC TRIM STATICS (C.D.P.)
    - WINDOW: 350 - 1100 MS
    - MAXIMUM SHIFT: +/- 12MS
    - MODEL TRACES: 5 TRACES
14. COMMON OFFSET STACK
15. FILTER APPLICATION
    - TYPE: BANDPASS DOMAIN : FREQUENCY
    - PASSBAND: 18/18 - 60/36 APPLICATION: 0 - 2000 MS
16. GAIN (RMS)
    - LENGTH OF FIRST GAIN ZONE: 400 MS
    - LENGTH OF LONGEST GAIN ZONE: 400 MS
    - 2000 RMS AMPLITUDE
17. DISPLAY SCALE
    - HORIZONTAL SCALE: 12 TRACES/INCH
    - VERTICAL SCALE: 7.5 INCHES/SEC
    - GEOSPACE PLOTTING GAIN: 110B

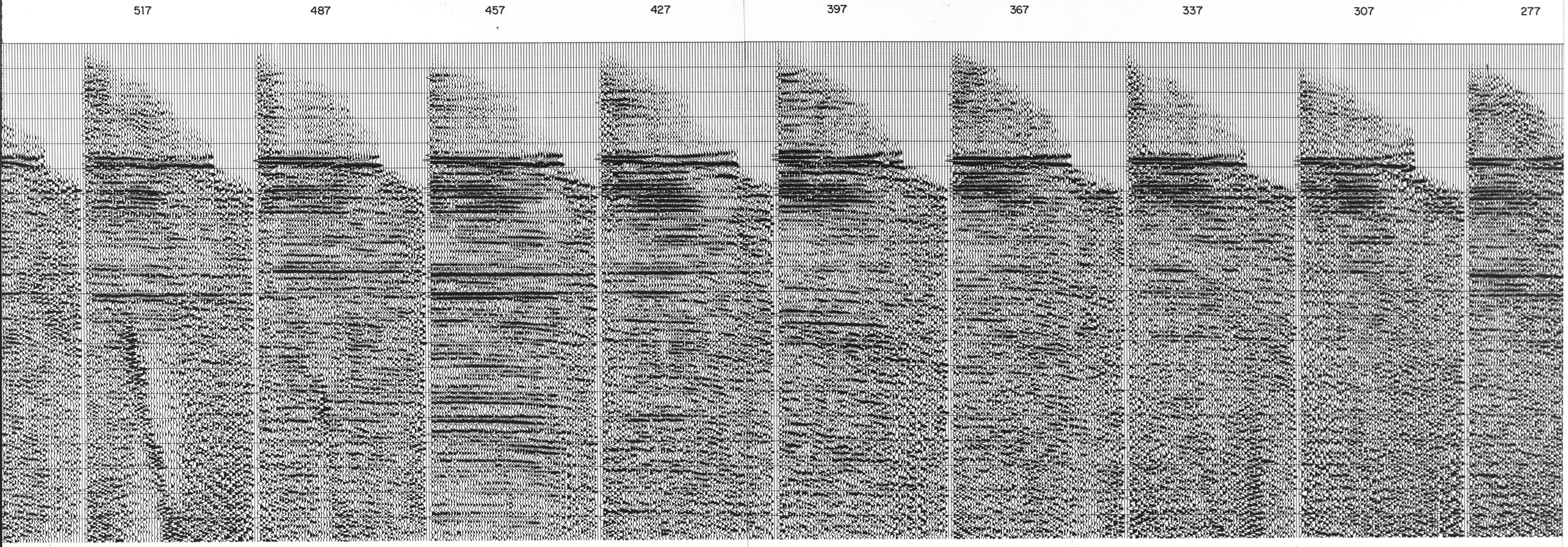
1 INCH = 216 METERS

Canada Oil and Gas Lands Administration
Administration des terres de pétrole et de gaz du Canada
DEC 23 1986
Resource Evaluation and Royalties
Direction des évaluations des ressources et des redevances

Q.C. GEOPHYSICIST: R.E. DIMENT

5-871-28

terra
2000 Walley Rd.
Ottawa, Ont.
Canada K1G 3P5
Tel: (613) 731-6571
Telex: 053-3602 Cable: TERRA
PROJ. NO. 9229 - C20 - 1E
LINE NO. 85 - 370
PART NO. 1 OF 3
R.R. 8X



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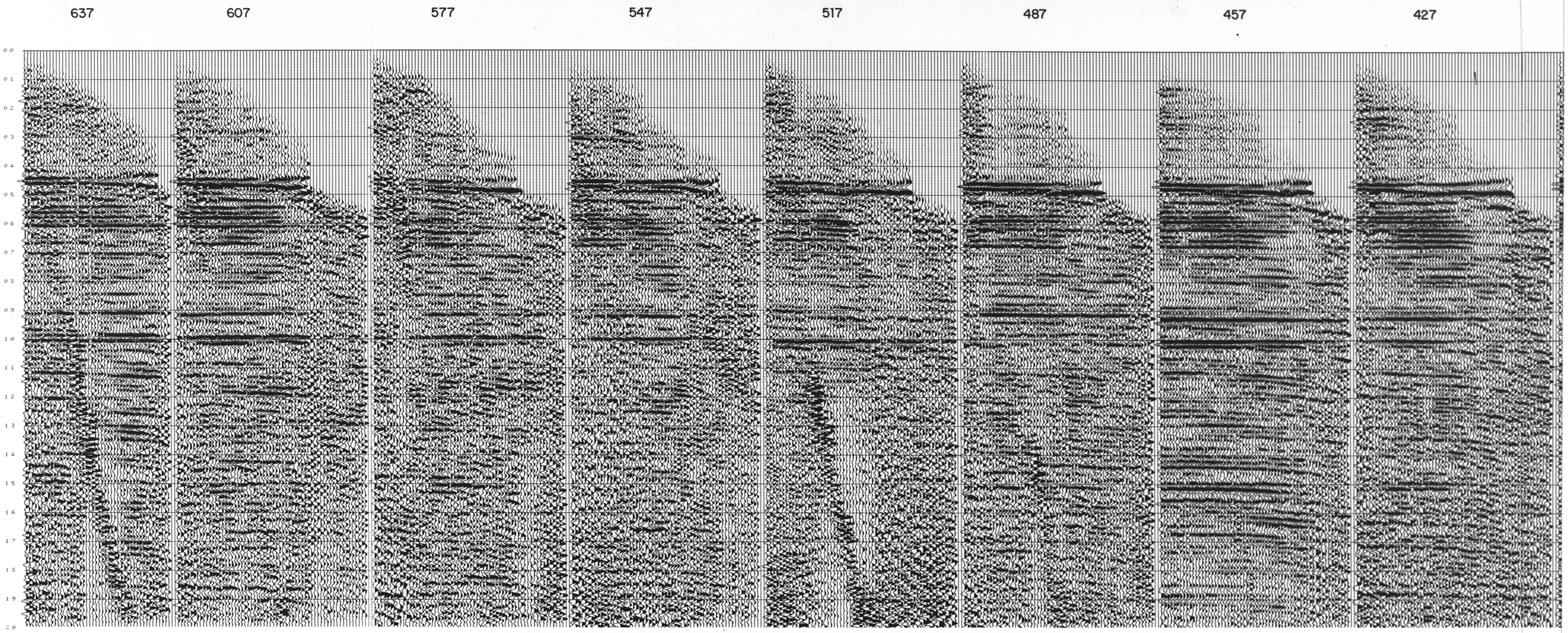
Cable: TERRA

PROJ. NO. 9 2 2 9 - C 2 0 - 1 E

LINE NO. 8 5 - 3 7 0

PART NO. 2 OF 3

R.R. 8X



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PROJ. NO. 9 2 2 9 - C 2 0 - 1 E

LINE NO. 8 5 - 3 7 0

PART NO. 3 OF 3

R.R. 8X