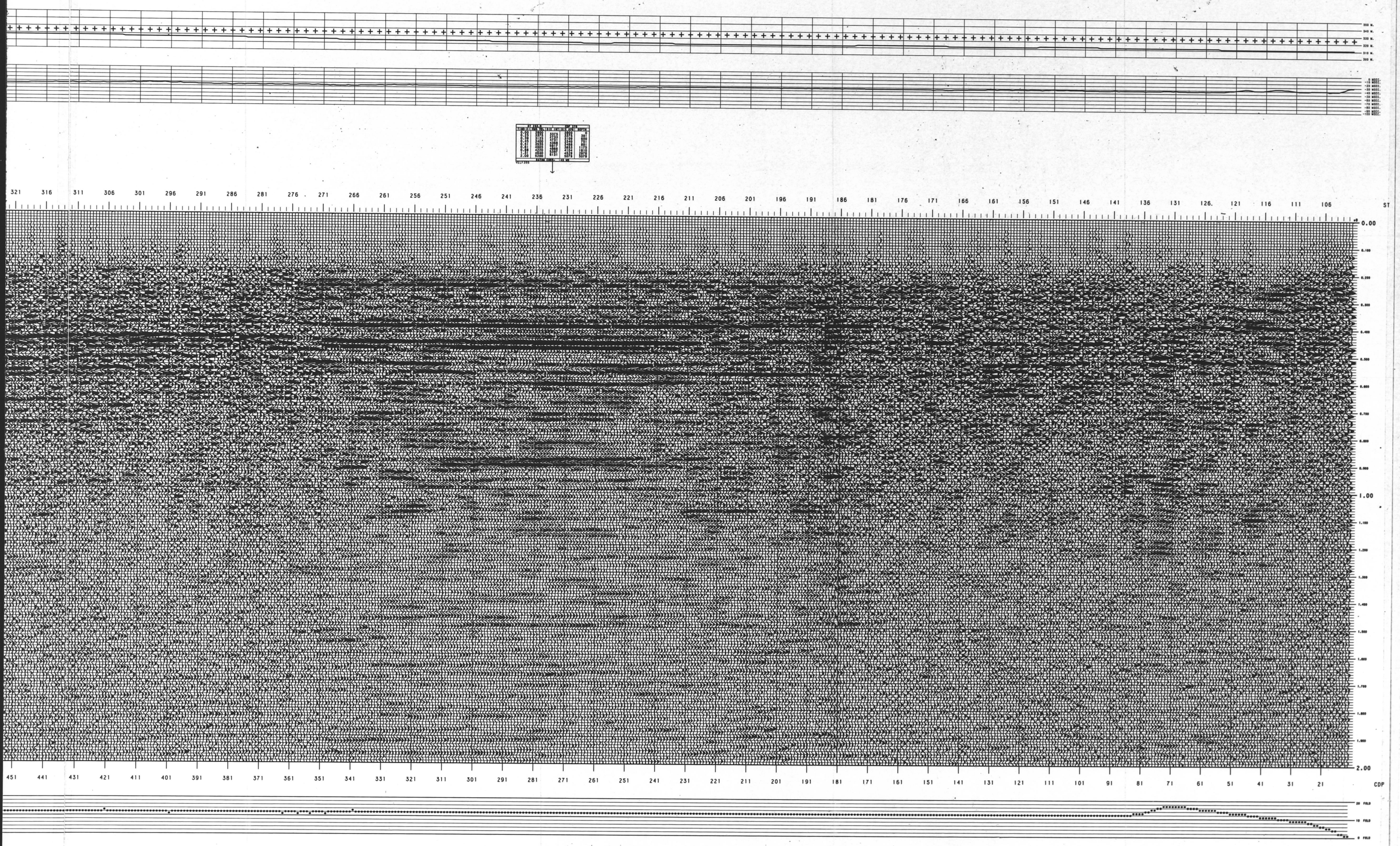

9229 - C20 - 1E

'EAST' 86-144-5

LINE: 85-366

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

AREA : CAMERON HILLS
LINE : 85-366
S.P. : 96 - 941
DIR. : EAST - WEST
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. : 325 M
REF. VEL. : 4600 M/S

STRUCTURAL STACK

FIELD PARAMETERS

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

SPREAD

SHOOTING DIRECTION		E - W			
FOLD		1200%			
STATION INT.		11 M			
SHOT PT. INT.		55 M			
SPREAD:	(TR)	1	60	61	120
DIST:	(M)	770 ---	121	X 121	--- 770

RECEIVER

MAKE/MODEL/TYPE	OYO / 14HZ
NUMBER PER GROUP	9
SPACING	1.3 M
ARRAY	INLINE

SOURCE

TYPE	VIBROSEIS ®
VIBRATOR MODEL	LRS-315
NUMBER OF SOURCES	3
DRAG LENGTH	8 MOVES OF 1.6 M
SWEEP FREQUENCY	VARI-SWEEP (8 SWEEPS) 1. 15 - 90 HZ 2. 20 - 95 HZ 3. 25 - 100 HZ 4. 27 - 102 HZ 5. 30 - 105 HZ 6. 33 - 108 HZ 7. 35 - 110 HZ 8. 40 - 115 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-121 M) 100 - 800 MS
   - DESIGN WINDOW (FAR OFFSET- 770 M) 500 - 800 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: 250 - 800 MS
    - MAXIMUM SHIFT: +/- 24 MS
    - NO. OF ITERATIONS: 3
11. RE-ITERATION OF 8 AND 9
12. REFLECTION STRENGTH GAIN
    - MAXIMUM STANDOUT AFTER GAIN: 1.75
13. TRACE MUTE

OFFSET (M)	230	310	900	1160
TIME (MS)	0	300	900	1000

14. CDP STACKING
    - STACKING FOLD: 1200 %
15. AUTOMATIC TRIM STATICS (C.D.P.)
    - WINDOW: 250 - 800 MS
    - MAXIMUM SHIFT: +/- 12MS
    - MODEL TRACES: 5 TRACES
16. FILTER APPLICATION
    - TYPE: BANDPASS DOMAIN : FREQUENCY
    - PASSBAND: 18/18 - 60/36 APPLICATION: 0 - 2000 MS
17. GAIN (RMS)
    - LENGTH OF FIRST GAIN ZONE: 400 MS
    - LENGTH OF LONGEST GAIN ZONE: 400 MS
    - 2000 RMS AMPLITUDE
18. DISPLAY SCALE
    - HORIZONTAL SCALE: 12 TRACES/INCH
    - VERTICAL SCALE: 7.5 INCHES/SEC
    - GEOSPACE PLOTTING GAIN: 11DB

1 INCH = 132 METERS

Q.C. GEOPHYSICIST: R.E. DIMENT

Canada Oil and Gas Lands Administration
Administration du pétrole et du gaz des terres du Canada
DEC 21 1988
Resource Evaluation Branch
Direction de l'évaluation des Ressources
Project # ________

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

PROJ. NO. 9220-C20-1E
LINE NO. 85-366
PART NO. 1 OF 4
R.R.8X

terra
surveys ltd

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PROJ. NO. 9229-C20-1E

LINE NO. 85-366

PART NO. 2 OF 4

R.R. 8X

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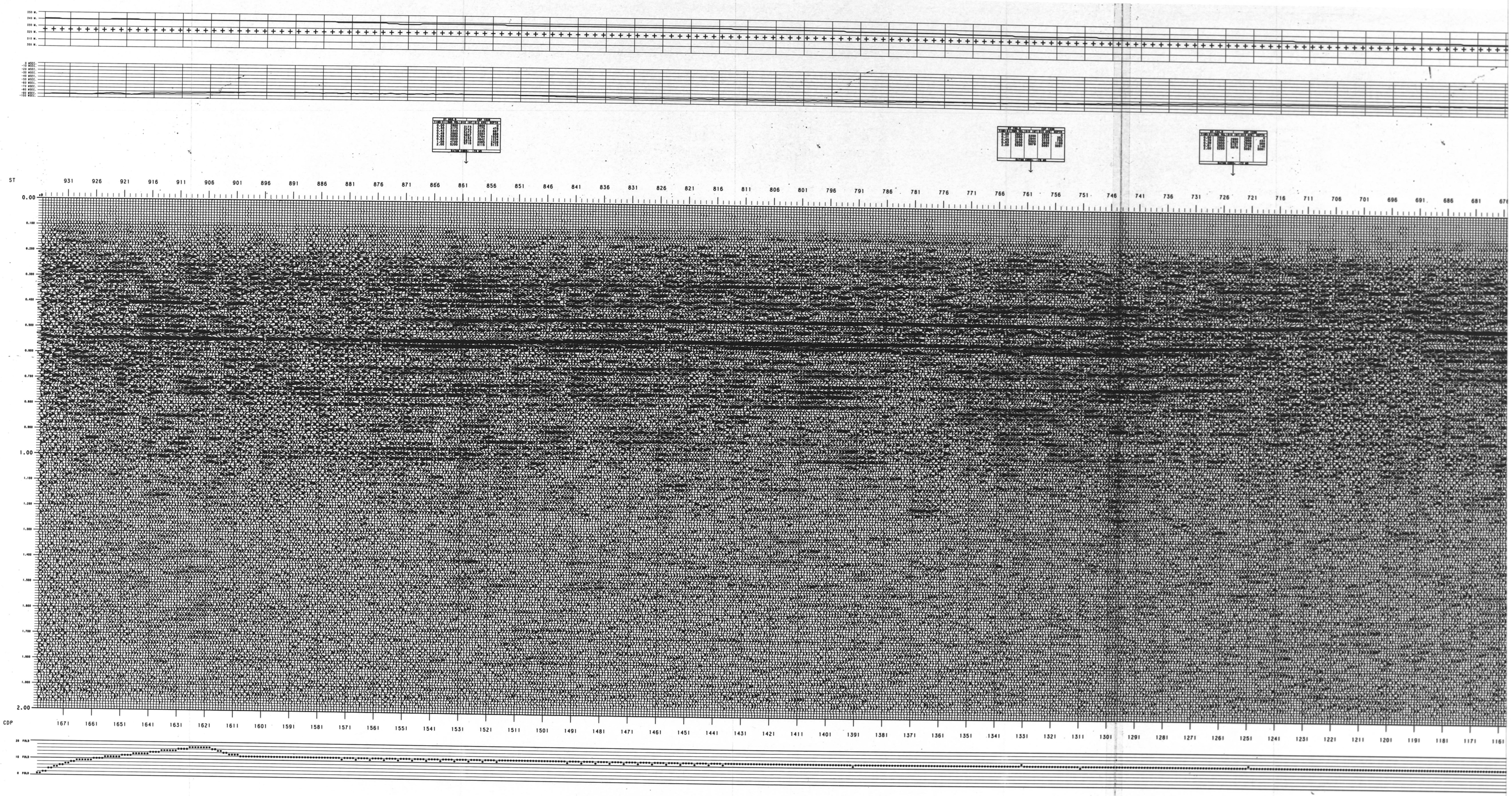
LINE NO. 85-366

PART NO. 3 **OF** 4

R.R. 8X



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PART NO. 4 **OF** 4

R.R. 8X