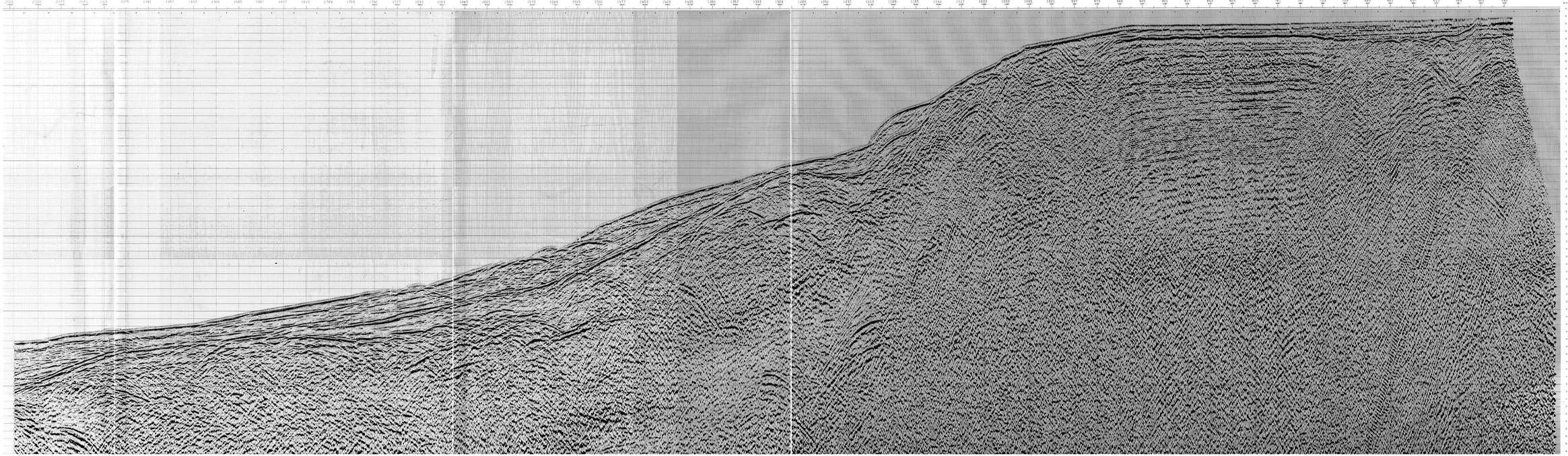

LINE WM-22
S.P. 2120 - 540
1 X 4800% TVF

SOUTHWEST

WESTERN GEOPHYSICAL COMPANY

SEISMIC PROCESSING
GRID - MERIDIAN 140

SHOT BY WESTERN GEOPHYSICAL PARTY WG-MAPE 9,MPM
PROCESSED BY WESTERN GEOPHYSICAL GROUP #2
GRID # C-78-198
PLOTTED FREQ. 40.20HMM

RECORDING DATA

SOURCE

	AIRGUNS
ENERGY SOURCE	AIRGUNS
NUMBER OF GUNS	20
GUN CHAMBER	210 CUBE
FIRING INTERVAL	110 FEET
SHOT POINT INTERVAL	110 FEET
DISTANCE OF SOURCE TO ANTENNA	138 FEET

INSTRUMENTS

SYSTEM	DIGITAL
AMPLIFIER	DIGITAL FLOATING PT.
FILTER	5/40 HZ/24
SAMPLING INTERVAL	2 MS
RECORD LENGTH	7 SECONDS

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	3200 FEET
NUMBER OF GROUPS	160 FEET
LONG IN	50 FEET
GROUP INTERVAL	220 FEET
NUMBER OF GROUPS RECORDED	160

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MS

1. EDIT
2. DECONVOLVED BEFORE STACK
   - TYPE MINIMUM PHASE INVERSE FILTER
   - LENGTH 3 SECONDS
   - OPERATOR 200 BY 2000
   - PREWHITENING 2% 4 MS
   - PREDICTION DISTANCE 24 MS
3. WEIGHTED AND STACK 4800 %
4. TIME VARIANT FILTER

TIME (MS)	LOW	HIGH	N.C.
0 - 1000	40	60	
1000 - 2000	35	55	
2000 - 3000	30	50	
3000 - 4000	25	45	
4000 - 5000	20	40	
5000 - 6000	15	35	
6000 - 7000	10	30	

5. FILTER TRACE AT WATER DEPTH AND STRUCTURE

LEGEND

- 10 FEET — 10MS FREQ
- 100 FEET — 20MS FREQ
- 1000 FEET — 40MS FREQ
- VELOCITY MARKERS (METERS/SECOND)
- 1500 METERS/SECOND
- VELOCITY EVERY 5000 FEET

HORIZONTAL SCALE
48 TRACES EQUALS 1 MILE

POLARITY CONVENTION

RECORDING : COMPRESSION PULSE **POSITIVE** NUMBER
PROCESSING : COMPRESSION PULSE **POSITIVE** NUMBER
DISPLAY : COMPRESSION PULSE **PEAK** (PRESENTING BLACK)

PROPRIETARY DATA OF WESTERN GEOPHYSICAL
COPYING OR REPRODUCTION TO BE FREE OF CHARGE