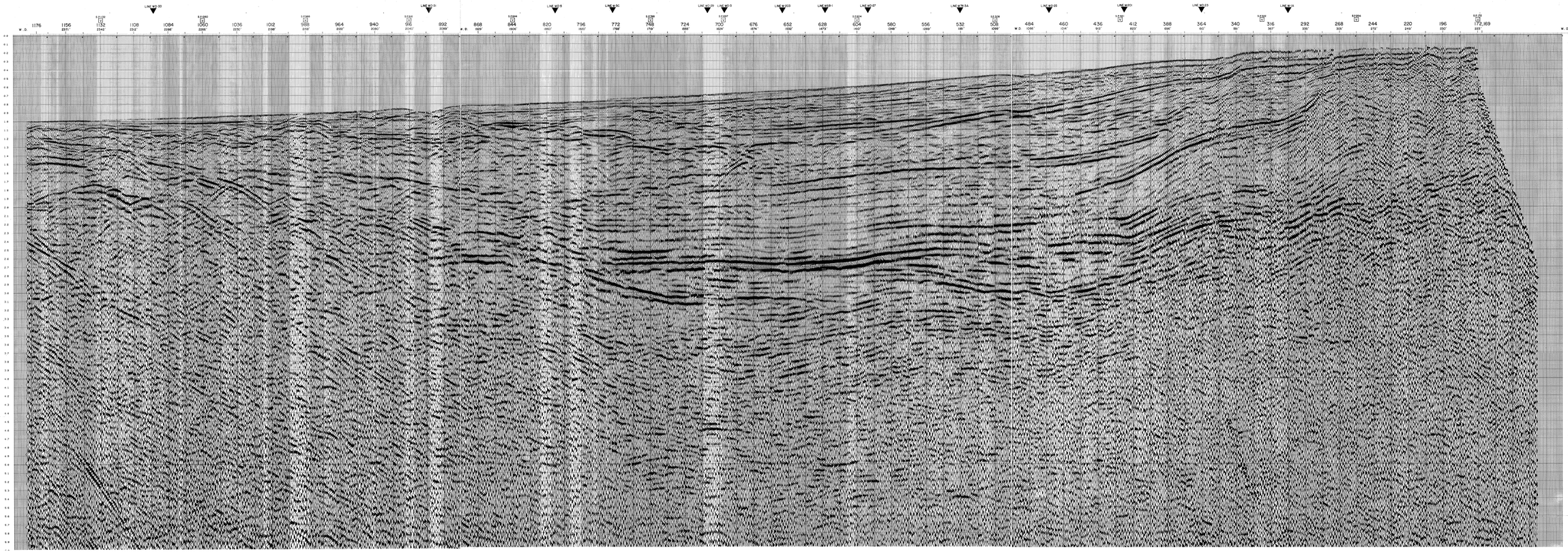

LINE WD-48
S.P. 1177-169

SOUTHWEST

1 x 4600% DBS,RPF,TVF

WESTERN GEOPHYSICAL COMPANY

OFFSHORE CALIFORNIA
AREA - SANTA BARBARA CHANNEL

SHOT BY: WESTERN GEOPHYSICAL 1977 — PARTY 276
PROCESSED BY: WESTERN GEOPHYSICAL 1977 — HOUSTON DIGITAL CENTER
BCH PERMIT NO. C-77-118

RECORDING DATA

SOURCE

ENERGY SOURCE	AQUAPULSE
NUMBER OF GUNS	6
GUN DEPTH	20 FEET
SHOT POINT INTERVAL	100 FEET
SHOT POINT INTERVAL	200 FEET
DISTANCE OF SOURCE TO ANTENNA	53 FEET

INSTRUMENT

SYSTEM	SDS 888
AMPLIFIER	INTERNAL,FLOATING PT.
FILTERS	L.P.=125
SAMPLING INTERVAL	2 MS
RECORD LENGTH	6 SECONDS

CABLE

TYPE CABLE	STREAMER
NUMBER OF CABLES	1 CABLE
CABLE DEPTH	50-65 FEET
LEAD IN	855 FEET
GROUP INTERVAL	25
NUMBER OF GEOPHONES PER GROUP	20
NUMBER OF GROUPS RECORDED	48

PROCESSING SEQUENCE AND PARAMETERS

1. RESAMPLING SAMPLING INTERVAL 4 MS
   FROM 2 MS
2. DECONVOLVED BEFORE STACK
   TYPE MINIMUM PHASE INVERSE FILTER
   WINDOW LENGTH 2 ZONES OF 2000 MS
   LENGTH OF AUTOCORRELATION
   LENGTH OPERATOR 200 MS
   PREDICTION DISTANCE 8 MS
3. AND STACK WEIGHT 3
4. RADIAL PREDICTIVE FILTER
5. TIME VARIANT FILTER

TIME ZONE	L.P. (HZ)	N.C.
WATER BOTTOM -500 MS	18	40
WATER BOTTOM -1000 MS	16	30
WATER BOTTOM -1500 MS	8	20
WATER BOTTOM -2150 MS	6	20

TIME ZONES WILL VARY WITH STRUCTURE

SCALE
0 — 500 FEET
0 — 1000 FEET
0 — 2 SECONDS
SHOT POINT
FILE
DATE

LEGEND
VELOCITY ANALYSIS
CDP NUMBER
WATER DEPTH
SHOTPOINT LOCATION AT ANTENNA

HORIZONTAL SCALE
48 TRACES EQUALS ONE MILE

POLARITY CONVENTION
RECORDING : COMPRESSION PULSE POSITIVE NUMBER
PROCESING : COMPRESSION PULSE POSITIVE NUMBER
DISPLAY : COMPRESSION PULSE PEAK (INCREASING BLACK)

NOTATION
DATUM : CORRECTION TO SEA LEVEL DATUM. 10 MS
FLAT-BOTTOM DATUM. 18 DB
PETL = 986586