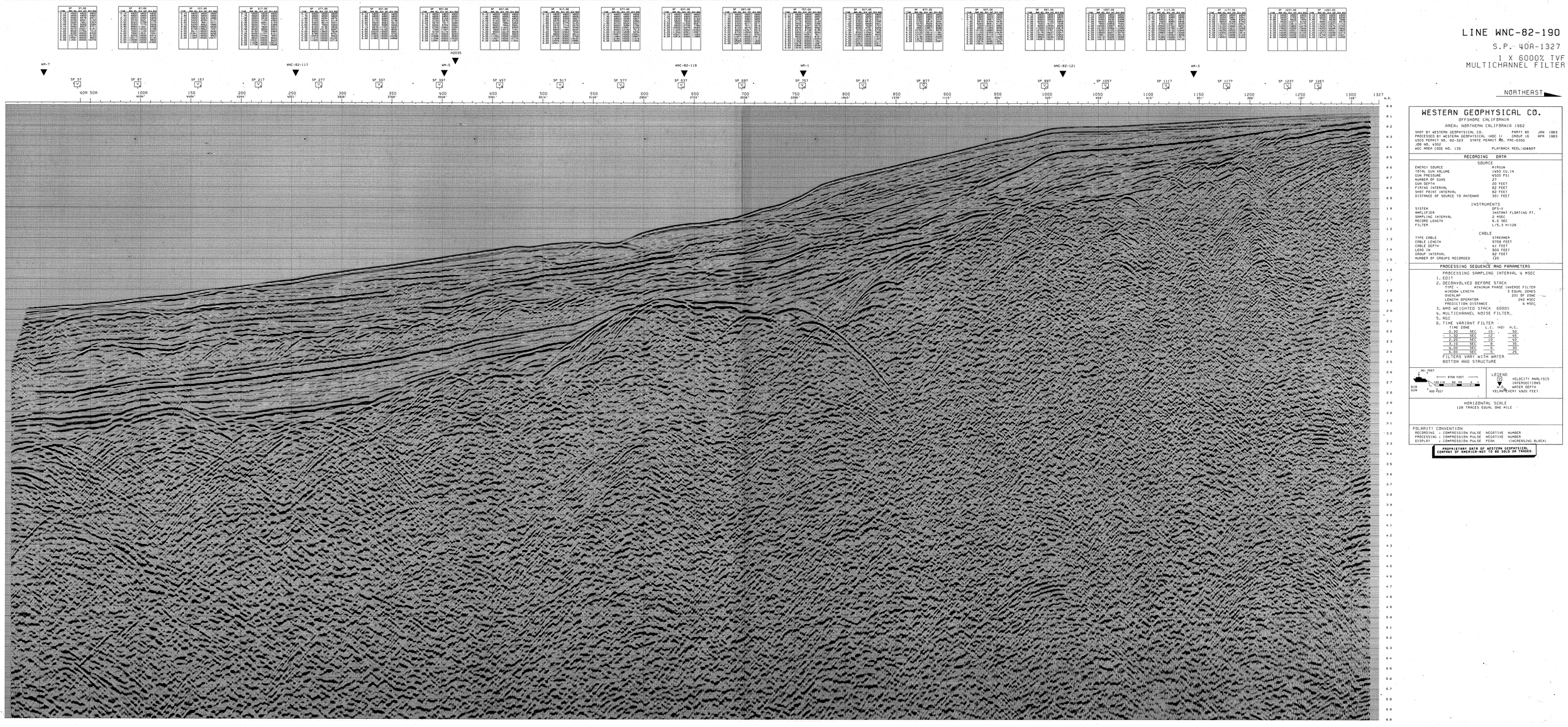

LINE WNC-82-190

S.P. 40A-1327

1 X 6000% TVF
MULTICHANNEL FILTER

WESTERN GEOPHYSICAL CO.

OFFSHORE CALIFORNIA
AREA: NORTHERN CALIFORNIA 1982

SHOT BY WESTERN GEOPHYSICAL CO. PARTY 80 JAN 1983
PROCESSED BY WESTERN GEOPHYSICAL (NOC 1) GROUP 16 APR 1983
USGS PERMIT NO. 82-323 STATE PERMIT NO. PRC-6300
JOB NO. 4300
WGC AREA CODE NO. 195 PLAYBACK REEL:108507

RECORDING DATA

SOURCE

ENERGY SOURCE	AIRGUN
TOTAL GUN VOLUME	1480 CU.IN
GUN PRESSURE	4500 PSI
NUMBER OF GUNS	23
GUN DEPTH	20 FEET
FIRING INTERVAL	82 FEET
SHOT POINT INTERVAL	82 FEET
DISTANCE OF SOURCE TO ANTENNA	301 FEET

INSTRUMENTS

SYSTEM	DFS-V
AMPLIFIER	INSTANT FLOATING PT.
SAMPLING INTERVAL	4 MSEC
RECORD LENGTH	6.0 SEC
FILTER	L/S,3 M/128

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	9758 FEET
CABLE DEPTH	41 FEET
LEAD IN	900 FEET
GROUP INTERVAL	82 FEET
NUMBER OF GROUPS RECORDED	120

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MSEC

1. EDIT
2. DECONVOLVED BEFORE STACK
   - TYPE: MINIMUM PHASE INVERSE FILTER
   - WINDOW LENGTH: 3 EQUAL ZONES
   - OVERLAP: 20% OF ZONE
   - LENGTH OPERATOR: 240 MSEC
   - PREDICTION DISTANCE: 4 MSEC
3. NMO WEIGHTED STACK 6000%
4. MULTICHANNEL NOISE FILTER
5. AGC
6. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0-2.00 SEC	15	50
2.00-4.00 SEC	12	50
4.00-5.00 SEC	10	45
5.00-6.00 SEC	8	35
6.00-7.00 SEC	6	30
7.00-8.192 SEC	5	25

FILTERS VARY WITH WATER BOTTOM AND STRUCTURE

HORIZONTAL SCALE
120 TRACES EQUAL ONE MILE

POLARITY CONVENTION

RECORDING	+ COMPRESSION PULSE	NEGATIVE	NUMBER
PROCESSING	+ COMPRESSION PULSE	NEGATIVE	NUMBER
DISPLAY	+ COMPRESSION PULSE	PEAK	(INCREASING BLACK)

PROPRIETARY DATA OF WESTERN GEOPHYSICAL COMPANY OF AMERICA-NOT TO BE SOLD OR TRADED