LINE: WC-82-100
S.P. 100-2700

1 X 6000% TVF

NORTHEAST

WESTERN GEOPHYSICAL CO.

OFFSHORE CALIFORNIA

AREA : 1982 CHANNEL ISLAND

SHOT BY WESTERN GEOPHYSICAL CO.	PARTY 88 JAN 1982
WESTERN AREA NUMBER 000133	M-V : WESTERN INLET
PROCESSED BY WESTERN (HDC II)	GROUP 42 MAY 1982
USGS # 81-258	JOB 0063
PLAYBACK REEL NO. 150773	

RECORDING DATA

SOURCE

ENERGY SOURCE	AIR GUNS
NUMBER OF GUNS	24
GUN DEPTH	25 FEET
FIRING INTERVAL	82 FEET
SHOT POINT INTERVAL	82 FEET
DISTANCE OF SOURCE TO ANTENNA	231 FEET
TOTAL GUN VOLUME	1000 CU. IN.
GUN PRESSURE	4500 P.S.I.

INSTRUMENTS

SYSTEM	DSF-V
AMPLIFIER	I.F.P.
FILTER	5.3/128 HZ
SAMPLING INTERVAL	2 MS
RECORD LENGTH	6 SECONDS

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	9843 FEET
CABLE DEPTH	33 FEET
LEAD IN	686 FEET
GROUP INTERVAL	82 FEET
NUMBER OF GROUPS RECORDED	120

PROCESSING SEQUENCE AND PARAMETERS

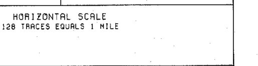
PROCESSING SAMPLING INTERVAL 4 MSEC

1. EDIT
2. DECONVOLVED BEFORE STACK
   - TYPE - MINIMUM PHASE INVERSE FILTER
   - WINDOW LENGTH 3 EQUAL ZONES
   - OVERLAP 20% OF ZONE
   - LENGTH OPERATOR 200 MS
   - PREDICTION DISTANCE 4 MS
3. NMO STACK 6000 % WEIGHTED
4. AGC
5. TIME VARIANT FILTER

FILTER TIME L.C. (HZ) H.C.

FILTERS VARY WITH WATER BOTTOM & STRUCTURE

FILTER TIME	L.C. (HZ)	H.C.
0.0-2.0 SEC	15	50
2.0-3.0 SEC	10	40
3.0-4.0 SEC	7	35
4.0-5.0 SEC	6	30
5.0-6.0 SEC	5	25



LEGEND

[V] VELOCITY ANALYSIS

INTERSECTIONS

▼ W.D. WATER DEPTH

HORIZONTAL SCALE

128 TRACES EQUALS 1 MILE

POLARITY CONVENTION

RECORDING : COMPRESSION PULSE NEGATIVE NUMBER

PROCESSING : COMPRESSION PULSE NEGATIVE NUMBER

DISPLAY : COMPRESSION PULSE **PEAK** (INCREASING BLACK)

NOTATIONS

SHOTPOINT LOCATION AT ANTENNA

PLAYBACK CORRECTION TO SEA LEVEL DATUM +12 MS