LINE: W-313
S.P. 6198 -2839
1 X 4800% MIG, TVF
MIGRATION BY FINITE
DIFFERENCE METHOD

NORTHWEST

WESTERN GEOPHYSICAL COMPANY

OFFSHORE CALIFORNIA

AREA : SANTA MARIA

SHOT BY WESTERN GEOPHYSICAL PARTY #60 OCT. 10, 1978
PROCESSED BY WESTERN GEOPHYSICAL GROUP #10 APR. 3, 1979
USGS # C-78-168
PLAYBACK REEL NO. 470363

RECORDING DATA

SOURCE

ENERGY SOURCE	AIRGUNS
NUMBER OF GUNS	12
GUN DEPTH	25 FEET
FIRING INTERVAL	110 FEET
SHOT POINT INTERVAL	110 FEET
DISTANCE OF SOURCE TO ANTENNA	119 FEET

INSTRUMENTS

SYSTEM	LRS-888
AMPLIFIER	INSTAN. FLOATING PT.
FILTER	L/6 H/124
SAMPLING INTERVAL	2 MS
RECORD LENGTH	7 SECONDS

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	10340 FEET
CABLE DEPTH	40-50 FEET
LEAD IN	901 FEET
GROUP INTERVAL	220 FEET
NUMBER OF GROUPS RECORDED	48

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MS

1. EDIT
2. DECONVOLVED BEFORE STACK
   - TYPE - MINIMUM PHASE INVERSE FILTER
   - WINDOW LENGTH 3 EQUAL ZONES
   - OVERLAP 20% OF ZONE
   - LENGTH OPERATOR 240 MS
   - PREDICTION DISTANCE 4 MS
3. WEIGHTED NMO STACK 4800 %
4. MIGRATION
5. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0.00 - 0.50 SEC	10	45
0.50 - 1.80 SEC	8	40
1.80 - 4.00 SEC	7	30
4.00 - 5.80 SEC	5	25

6. FILTERS CHANGE WITH WATER DEPTH AND STRUCTURE

119 FEET
10340 FEET
48 47 24 23 2 1
AIR GUNS
901 FEET

LEGEND
▼ INTERSECTIONS
W.D. WATER DEPTH

HORIZONTAL SCALE
48 TRACES EQUALS 1 MILE

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