136
MIG

# LINE: WSC83-006

S.P. 100 -2945

1 X 6000% MIG,TVF
MIGRATION BY THE FINITE DIFFERENCE METHOD
SIGNATURE DECONVOLUTION
**MULTICHANNEL FILTER**
NORTHEAST

## WESTERN GEOPHYSICAL CO.

OFFSHORE CALIFORNIA

AREA: SOUTHERN CALIFORNIA 1983

| | | |
|---|---|---|
| SHOT BY WESTERN PARTY 120 | M/V WESTERN HORIZON | MAR 1983 |
| PROCESSED BY WESTERN GEOPHYSICAL (HDC II) | GROUP 32 | JUNE 1983 |
| USGS OCS PERMIT NO. CAL83-335 | | JOB 0472 |

WGC AREA CODE 136
PLAYBACK REEL NO. 106282, 118651, 120043
CREATION TIME: 17.14.12 DATE: 15- 6-83

### RECORDING DATA

SOURCE

| | |
|---|---|
| ENERGY SOURCE | AIRGUN |
| GUN PRESSURE | 2345 CU.IN |
| NUMBER OF GUNS | 27 |
| GUN DEPTH | 20 FEET |
| FIRING INTERVAL | 82 FEET |
| SHOT POINT INTERVAL | 82 FEET |
| DISTANCE OF SOURCE TO ANTENNA | 289 FEET |

INSTRUMENTS

| | |
|---|---|
| SYSTEM | DFS-V |
| AMPLIFIER | INSTANT.FLOATING PT |
| FILTER | L5.3/H128 |
| SAMPLING INTERVAL | 2 MSEC |
| RECORD LENGTH | 7.0 SEC |

CABLE

| | |
|---|---|
| TYPE CABLE | STREAMER |
| CABLE LENGTH | 9758 FEET |
| CABLE DEPTH | 40 FEET |
| LEAD IN | 930 FEET |
| GROUP INTERVAL | 82 FEET |
| NUMBER OF GROUPS RECORDED | 120 |

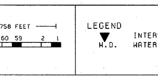
### PROCESSING SEQUENCE AND PARAMETERS

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 220
   - PREDICTION DISTANCE 4
3. NMO WEIGHTED STACK 6000%
4. MULTICHANNEL NOISE FILTER
5. AGC
6. MIGRATION
7. AGC
8. TIME VARIANT FILTER

| FILTER TIME | L.C. (HZ) | H.C. |
|---|---|---|
| W.B.+0.0 SEC | 15 | 55 |
| 0.8 SEC | 15 | 55 |
| 1.8 SEC | 12 | 45 |
| 2.8 SEC | 10 | 40 |
| 3.8 SEC | 8 | 35 |
| 5.3 SEC | 6 | 30 |
| 7.0 SEC | 5 | 25 |

FILTERS VARY WITH WATER BOTTOM & STRUCTURE




LEGEND
▼ INTERSECTIONS
W.D. WATER DEPTH

HORIZONTAL SCALE
128 TRACES EQUALS 1 MILE

POSITIVE REFLECTION COEFFICIENT

SHOTPOINT LOCATION AT ANTENNA
PLAYBACK CORRECTION TO SEA LEVEL DATUM +12 MS