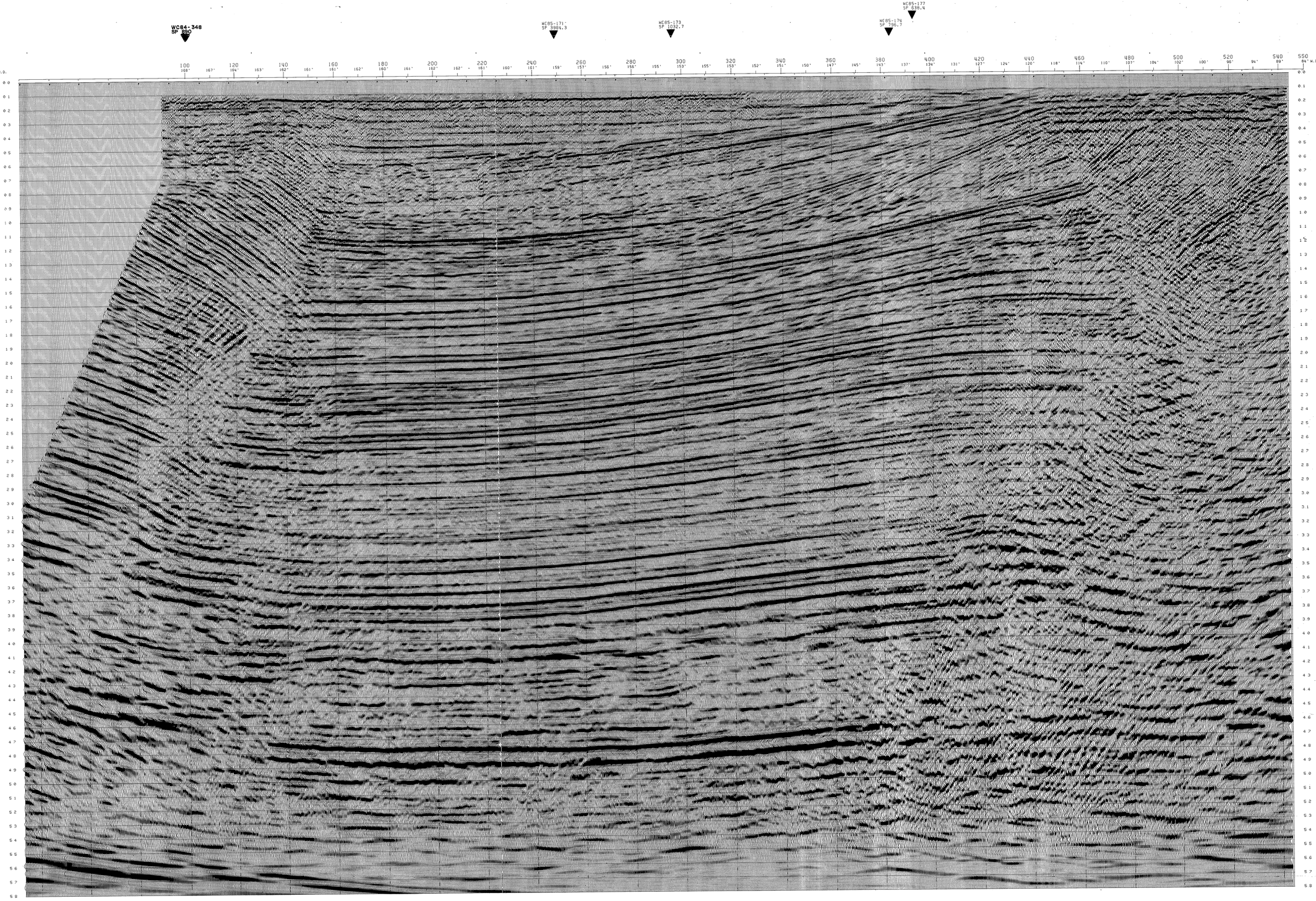
LINE WC85-348

S.P. 100-550

1 X 6000% MIG, TVF

MIGRATION BY THE FINITE DIFFERENCE METHOD

NORTH



WESTERN GEOPHYSICAL COMPANY

OFFSHORE CALIFORNIA

AREA: 1985 SANTA BARBARA - NO. 140

SHOT BY WESTERN M/V WESTERN GLACIER PARTY 77 JUN 1985
PROCESSED BY WESTERN GEOPHYSICAL (MDC 11) GROUP 08 AUG 1985
USGS #CAL85-439, STATE PERMIT #PRC-6651 JOB #1604
PLAYBACK REEL NO: 103354
CREATION TIME: 17.51.53 DATE: 16- 8-85

RECORDING DATA

SOURCE

ENERGY SOURCE	AIRGUNS
TOTAL GUN VOLUME	995 CU.IN.
GUN PRESSURE	4500 PSI
NUMBER OF GUNS	19
GUN DEPTH	20 FEET
FIRING INTERVAL	88 FEET
SHOT POINT INTERVAL	88 FEET
DISTANCE OF SOURCE TO CABLE PIVOT	142 FEET

INSTRUMENTS

SYSTEM	LRS-16
AMPLIFIER	I.F.P.
FILTER	6/375HZ
SAMPLING INTERVAL	1 MSEC
RECORD LENGTH	6.0 SEC

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	10516 FEET
CABLE DEPTH	40 FEET
LEAD IN	940 FEET
GROUP INTERVAL	44 FEET
NUMBER OF GROUPS RECORDED	240

FIELD ARRAY FORMED PARAMETERS

ARRAY FORMAT	SEG-D (DEMULTIPLEXED)
ARRAY FILTER	6HZ/180HZ
ARRAY LEAD IN	952 FEET
ARRAY CABLE LENGTH	10472 FEET
ARRAY GROUP INTERVAL	88 FEET
NUMBER OF DATA CHANNELS	120
ARRAY SAMPLING INTERVAL	2 MSEC

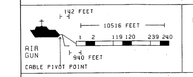
PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MSEC
PROCESSED FROM ARRAY FORMED TAPES

1. SIGNATURE APPLIED
   DECONVOLVED BEFORE STACK
   TYPE - MINIMUM PHASE INVERSE FILTER
   WINDOW LENGTH 3 EQUAL ZONES
   OVERLAP 20% OF ZONE
   LENGTH OPERATOR 220 MSEC
   PREDICTION DISTANCE 4 MSEC
2. NMO WEIGHTED STACK 6000%
3. F-K FILTER
4. GAIN
5. MIGRATION
6. GAIN
7. TIME VARIANT FILTER

FILTER TIME	L.C. (HZ)	H.C.
W.B.-0.1 SEC	10	50
2.0 SEC	8	40
3.0 SEC	7	35
4.0 SEC	6	30
5.0 SEC	5	25

TIMES VARY WITH WATER BOTTOM



LEGEND
V VELOCITY ANALYSIS INTERSECTIONS
W.D. WATER DEPTH
VELANS RUN EVERY 5280 FEET

HORIZONTAL SCALE
120 TRACE INTERVALS = 1 MILE

POSITIVE REFLECTION COEFFICIENT

SHOTPOINT LOCATION AT CABLE PIVOT
PLAYBACK CORRECTION TO SEA LEVEL DATUM 12 MS