

LINE WC85-348

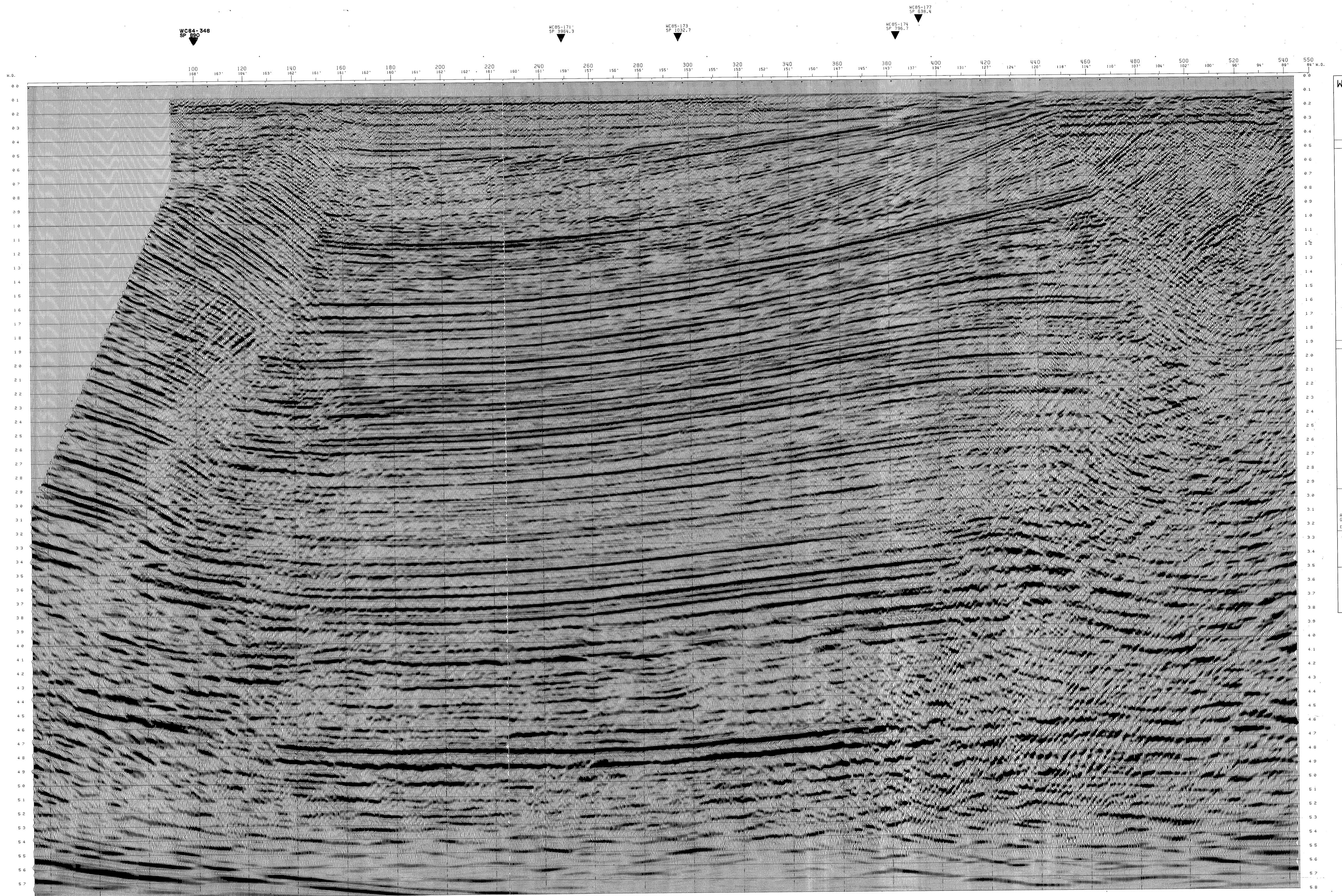
S.P 100-550

X 6000% MIG, TVF

IN BY THE FINITE

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 (HDC II) 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	962 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 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	