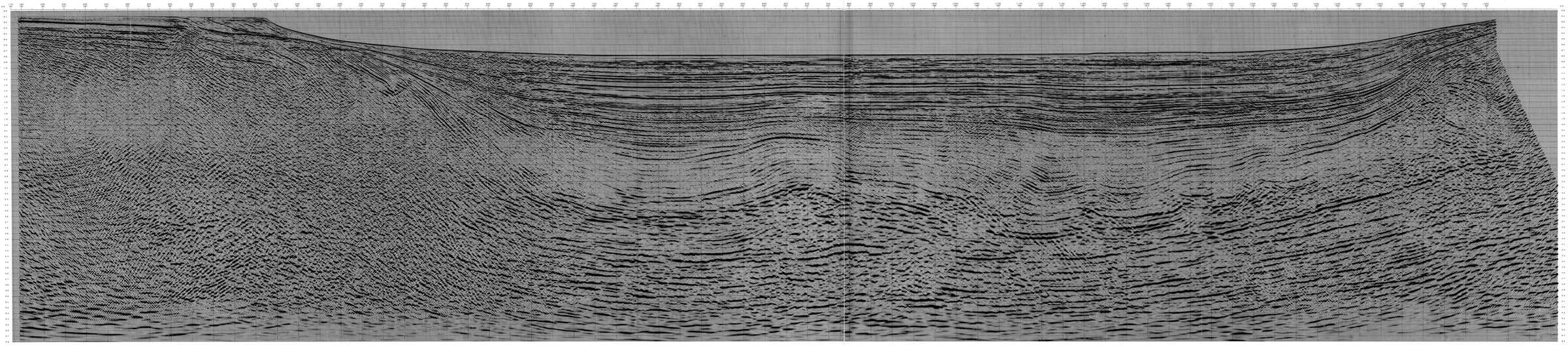
LINE WCB4-244

S.P. 170-1568
T.X 60005 MIG.TYP

MIGRATION BY THE FINITE DIFFERENCE METHOD

NORTH



WESTERN GEOPHYSICAL COMPANY

OFFSHORE CALIFORNIA

SPECIAL SHOT PROCESSING - WB-137

SHOT AT 40'DEPTH — RECORDED — WB01-10 — SEP 1986
PROCESSED BY WESTERN GEOPHYSICAL - WB-137 - SWAP 38 — SEP 1986
PROCESSED FOR: CHEVRON U.S.A. INC. — WB-137A
PLOTTED FROM: 9 TRACK — 6250 BPI — ASCII
PLOTTER TYPE: CALCOMP 1044 — 6870 PAT. NO. 4,198,648

RECORDING DATA

	SOURCE	
EARTH / WATER		INTAKE
SOURCE TYPE		AIR GUN
NUMBER OF GUNS		1
VOLUME OF GUNS		1900 CU IN
AIR GUN 1		1900 CU IN
AIR GUN 2		NO TEST
AIR GUN 3		NO TEST
AIR GUN 4		NO TEST
DISTANCE OF SOURCE TO CABLE POINT		1000 FEET
	INSTRUMENTS	
DATA		DIGITAL
AMPLITUDE		24 BIT
FILTER		LISTENED
SAMPLE INTERVAL		2 MS
RECORD LENGTH		6.0 SEC
	CABLE	
TYPE CABLE		STREAMER
CABLE LENGTH		6010 FEET
CABLE DEPTH		40 FEET
LEAD IN		960 FEET
NUMBER OF CHANNELS		240
NUMBER OF GROUPS RECORDED		240
	FIELD ARRAY FORMED MONITORED	
ARRAY FORMED		ON LINE DUPLICATED
ARRAY LENGTH		5670 FEET
ARRAY CABLE LENGTH		6010 FEET
NUMBER OF GROUPS FORMED		240
NUMBER OF GROUPS DISPLAYED		240
NUMBER OF TRACES DISPLAYED		240

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING COMPLETED: SPECIAL 9 TRACK
PROCESSED FROM RAW FORMAT TAPES
1. DEMULTIPLEX
RECORDING INFORMATION
RECORDING INSTRUMENT PHASE CORRECTION
NYQUIST FREQUENCY
CORRECTION APPLIED
2. MUTE
3. NMO VELOCITIES STACK - BOOSTS
4. DECON FILTER
5. CDP FOLD
6. MIGRATION
7. FILTER
8. TIME VARIANT FILTERS
FREQUENCY (HZ) TIME (MS)
6.0 10.0 0 - 1.5 SEC
5.0 10.0 1.5 - 3.0
4.0 10.0 3.0 - 4.5
3.0 10.0 4.5 - 6.0
9. AMPLITUDE SCALE AFTER MIGRATION

6 SEC TEST — 0 — 1 — 2 — 3 — 4 — 5 — 6 SEC

SCALE: VELOCITY ANALYSIS / DEPTH SECTIONS — 1 INCH = 2000 FEET

HORIZONTAL SCALE
1.05 TRACE SPACING IS 1/2 MILE

POSITIVE REFLECTION COEFFICIENT

SHOTPOINT LOCATION AT CABLE POINT GROUP
PLANNED CORRECTION TO SEA LEVEL DATUM 15 MS