PAGE 1
REL 039B 01-JUN-81
GAIN 010 DB SYSTEM 6 SHIFT 2
CLIENT WESTERN LINE WC-80-108

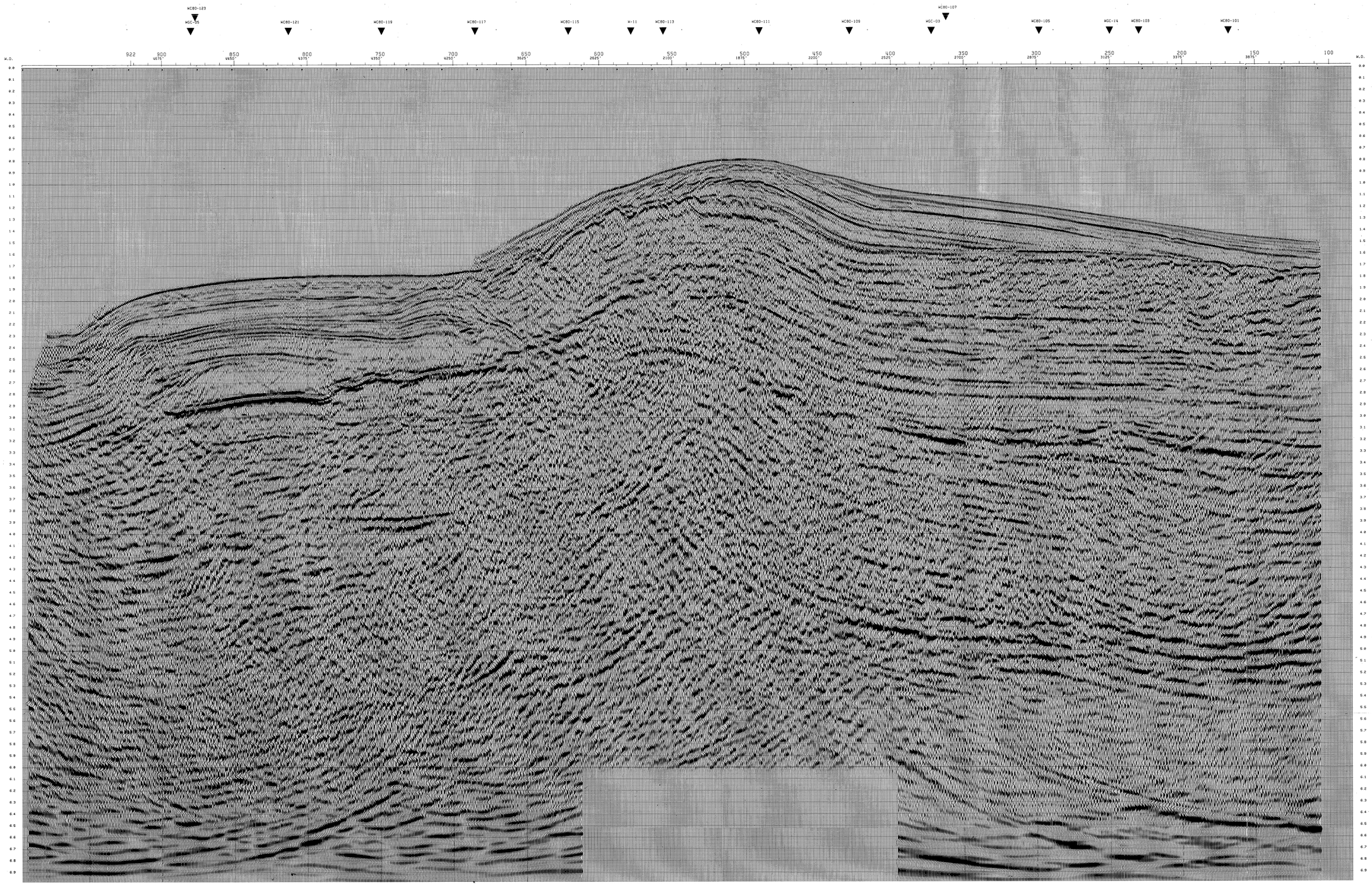
(130 only)

LINE: WC80-108
S.P. 922 -100

1 X 6400% MIG.TVF

SIGNATURE DECONVOLUTION

MIGRATION BY THE
FINITE DIFFERENCE METHOD
NORTHEAST



WESTERN GEOPHYSICAL COMPANY

OFFSHORE CALIFORNIA
AREA :SAN NICOLAS

SHOT BY WESTERN GEOPHYSICAL — PARTY 77 JAN 24, 1981
PROCESSED BY WESTERN (HDC) — GROUP 39 JULY 27, 1981
USGS PERMIT NO: CAL80-226
WESTERN AREA NO: 130

RECORDING DATA

SOURCE	
ENERGY SOURCE	AIR GUNS
CHARGE SIZE	5400CU.IN.
NUMBER OF GUNS	10
GUN DEPTH	35 FEET
FIRING INTERVAL	82 FEET
SHOT POINT INTERVAL	82 FEET
DISTANCE OF SOURCE TO ANTENNA	901 FEET
INSTRUMENTS	
SYSTEM	DFS-V
AMPLIFIER	I.F.P.
FILTER	LS.3-HI28
SAMPLING INTERVAL	2 MS
RECORD LENGTH	6 SECONDS
CABLE	
TYPE CABLE	STREAMER
CABLE LENGTH	10373 FEET
CABLE DEPTH	38 FEET
LEAD IN	758 FEET
NUMBER OF GROUPS RECORDED	96
GROUP INTERVAL : GROUPS 96-65	164 FEET
GROUP INTERVAL : GROUPS 65-64	123 FEET
GROUP INTERVAL : GROUPS 64-1	82 FEET

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MSEC
1. EDIT
2. SIGNATURE DECONVOLUTION
3. 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
4. NMO STACK 6400 %
5. AGC
6. MIGRATION
7. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0.0 SEC	10	50
1.5 SEC	8	40
2.6 SEC	6	30
3.6 SEC	5	25
4.4 SEC	5	25
5.4 SEC	5	20

FILTER TIMES CHANGE WITH STRUCTURE

LEGEND
W.D. INTERSECTIONS WATER DEPTH

HORIZONTAL SCALE
64 TRACE INTERVALS = 1 MILE

NOTATIONS
COMPRESSION PULSE IS A NEGATIVE NUMBER
SHOTPOINT LOCATION AT ANTENNA
PLAYBACK CORRECTION TO SEA LEVEL DATUM +12 MS
PLAYBACK REEL:039933