39 jmic

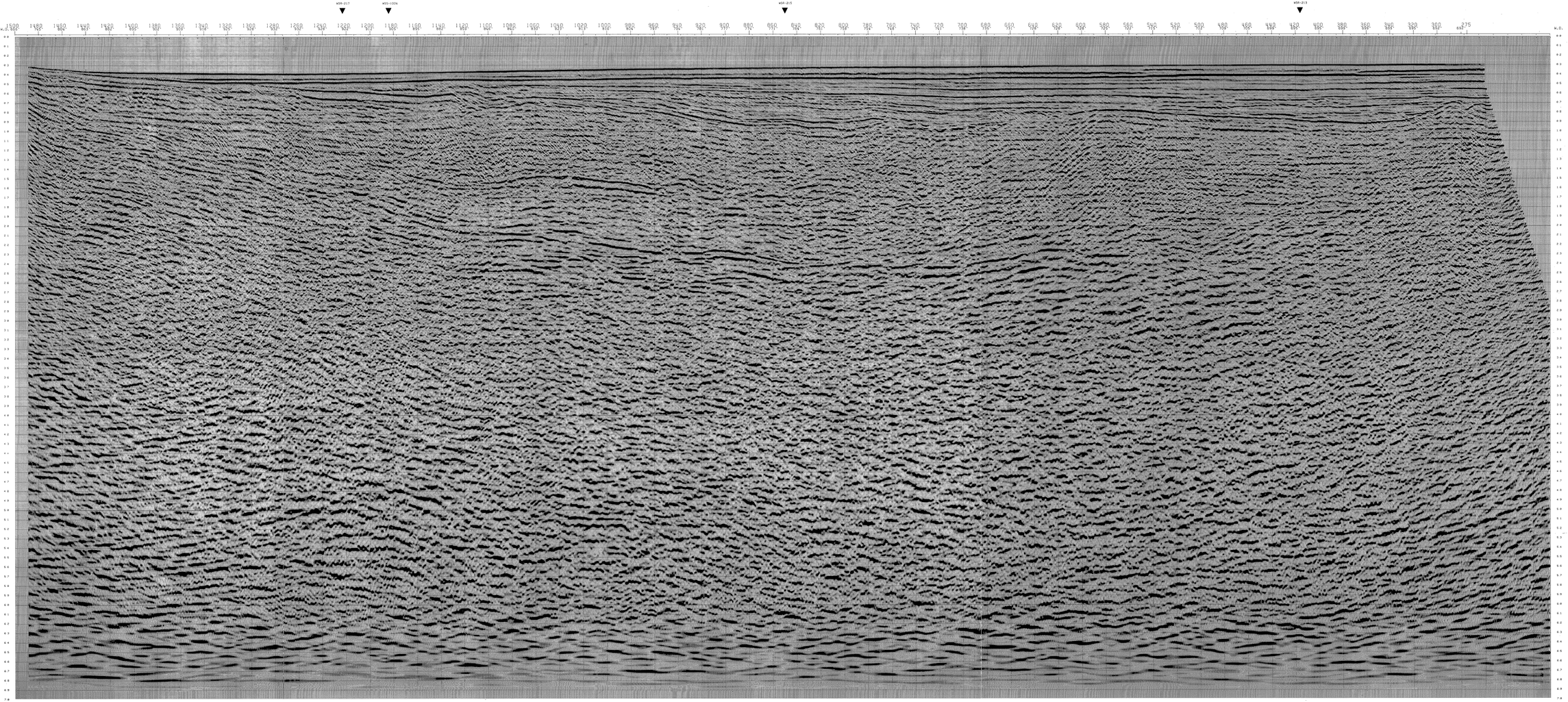
34 jmic

WSA-206

S.P. 1500-275

1 X 5800X MIGRATION TVF
MIGRATION BY FINITE
DIFFERENCE METHOD

SOUTHEAST



WESTERN GEOPHYSICAL COMPANY

OFFSHORE ALASKA

AREA: SOUTH ALEUTIANS 1982

SHOT BY WESTERN GEOPHYSICAL CO. PARTY 120 NOV. 1982
PROCESSED BY WESTERN GEOPHYSICAL CO. HOC GROUP 27 JUNE 1983
FOR SHELL WESTERN E&P INC. AREA WSA SHEET 206
PLAYBACK REEL NO. 1-5MARIO 208 +6215

RECORDING DATA

SOURCE	
ENERGY SOURCE	AIRGUN
TOTAL GUN VOLUME	2265 CU IN
OPERATING PRESSURE	2000 PSI
NUMBER OF GUNS	27
GUN DEPTH	20 FEET
FIRING INTERVAL	82 FEET
SHOT POINT INTERVAL	82 FEET
DISTANCE OF SOURCE TO ANTENNA	295 FEET

INSTRUMENTS	
SYSTEM	DFS-V
AMPLIFIER	INPUT FLOATING POINT
FILTER	5-128
SAMPLING INTERVAL	4 MSEC
RECORD LENGTH	9.0 SEC

CABLE	
TYPE CABLE	STREAMER
CABLE LENGTH	9788 FEET
CABLE DEPTH	40 FEET
LEAD IN	1087 FEET
GROUP INTERVAL	82 FEET
NUMBER OF GEOPHONES PER GROUP	6
NUMBER OF GROUPS RECORDED	120

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MSEC

1. EDIT
2. TIME VARIANT BEAM-STEER
3. COMMON OFFSET SORT
4. F-K FILTER
5. DECONVOLVED DEPTH STACK
   - MINIMUM PHASE INVERSE FILTER
   - MYKON LENGTH 3 ROOMS ZONES
   - LENGTH OPERATOR 200 MS
   - PREDICTION DISTANCE 4 MS
6. MMO STACK 5800S
7. GRIN
8. MIGRATION
   - FINITE DIFFERENCE METHOD
9. GRIN
10. TIME VARIANT FILTER

TIME ZONE		C.C. (HZ)	W.C.
1	SEC	12	50
2-3	SEC	10	45
3-4	SEC	8	40
4-5	SEC	6	30
5-9	SEC	5	25

120 GROUP CABLE USING ALL GROUPS
COMPUTER STATION DATA RECORDED
CORRECTION TO SEA LEVEL DATUM 12 MSEC

LEGEND

▼ INTERSECTIONS
W.D. WATER DEPTH

HORIZONTAL SCALE
120 FNACE INTERVALS = 1 MILE

POLARITY CONVENTION
RECORDING + COMPRESSION PULSE NEGATIVE NUMBER
PROCESSING + COMPRESSION PULSE NEGATIVE NUMBER
DISPLAY + COMPRESSION PULSE TROUGH (DECREASING BLACK)