05 Orig.

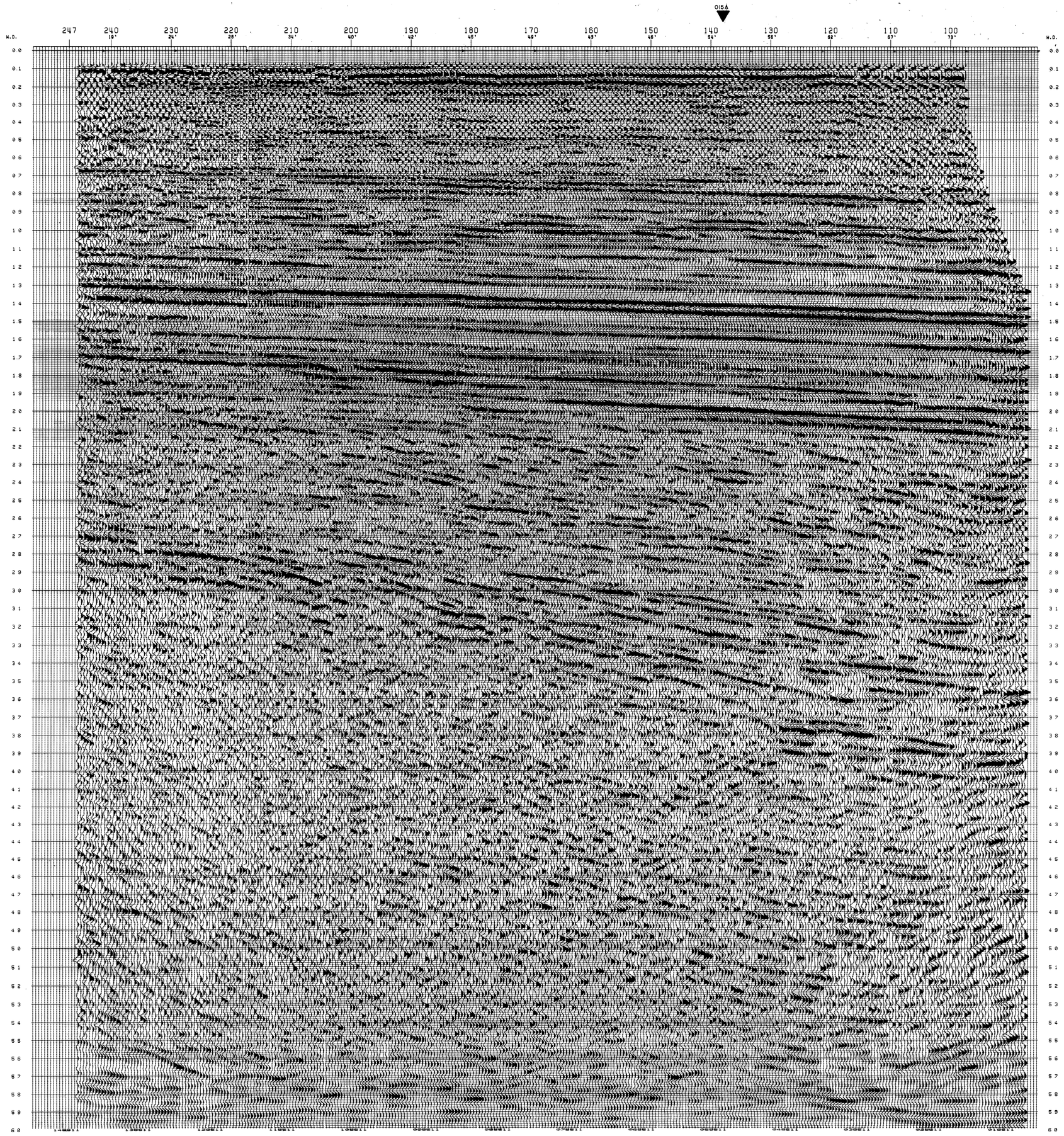
05 Orig.

WB-064A
S.P. 247-100

1 X 1200% DBS, TVF
MIGRATION BY FINITE
DIFFERENCE METHOD

PROPRIETARY DATA OF WESTERN GEOPHYSICAL COMPANY OF AMERICA-NOT TO BE SOLD OR TRADED.

SOUTH



WESTERN GEOPHYSICAL

OFFSHORE ALASKA

AREA: BEAUFORT SEA

SHOT BY WESTERN GEOPHYSICAL PARTY 199 IN AUGUST,1977
PROCESSED BY WESTERN GEOPHYSICAL IN DECEMBER 1977
USGS PERMIT NO. 77-25
PLAYBACK REEL NO. 276856

RECORDING DATA

SOURCE	
ENERGY SOURCE	AIRGUN
GUN DEPTH	7 FEET
FIRING INTERVAL	229 FEET
SHOT POINT INTERVAL	229 FEET
ARRAY SIZE	4 X 150 CU. IN.
INSTRUMENTS	
SYSTEM	DDS 888
AMPLIFIER	INST. FLOATING POINT
FILTER	L/8 H/125
SAMPLING INTERVAL	2 MS
RECORD LENGTH	6 SECONDS
CABLE	
TYPE CABLE	BOTTOM DRAG
CABLE LENGTH	5267 FEET
LEAD IN	394 FEET
GROUP INTERVAL	229 FEET
NUMBER OF GROUPS RECORDED	24

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MS

1. EDIT
2. PREFILTER L/8-H/60
3. DECONVOLVED BEFORE STACK
   - TYPE - MINIMUM PHASE INVERSE FILTER
   - WINDOW LENGTH 3 EQUAL ZONES
   - OVERLAP 20% OF ZONE
   - LENGTH OPERATOR 200 MS
   - PREDICTION DISTANCE 32 MS
4. NMO STACK 1200 %
5. MIGRATION
6. TIME VARIANT FILTER

TIME ZONE	L.C. (HZ)	H.C.
0.0-0.5 SEC	12	50
0.5-1.0 SEC	10	45
1.0-2.0 SEC	8	40
2.0-3.2 SEC	7	35
3.2-4.5 SEC	6	30
4.5-6.0 SEC	5	25

LEGEND
V VELOCITY ANALYSIS
INTERSECTIONS
W.D. WATER DEPTH
VELAN EVERY 5520 FEET

HORIZONTAL SCALE
46 TRACES EQUALS 1 MILE

POLARITY CONVENTION

RECORDING	: COMPRESSION PULSE	NEGATIVE	NUMBER
PROCESSING	: COMPRESSION PULSE	NEGATIVE	NUMBER
DISPLAY	: COMPRESSION PULSE	TROUGH	(DECREASING BLACK)