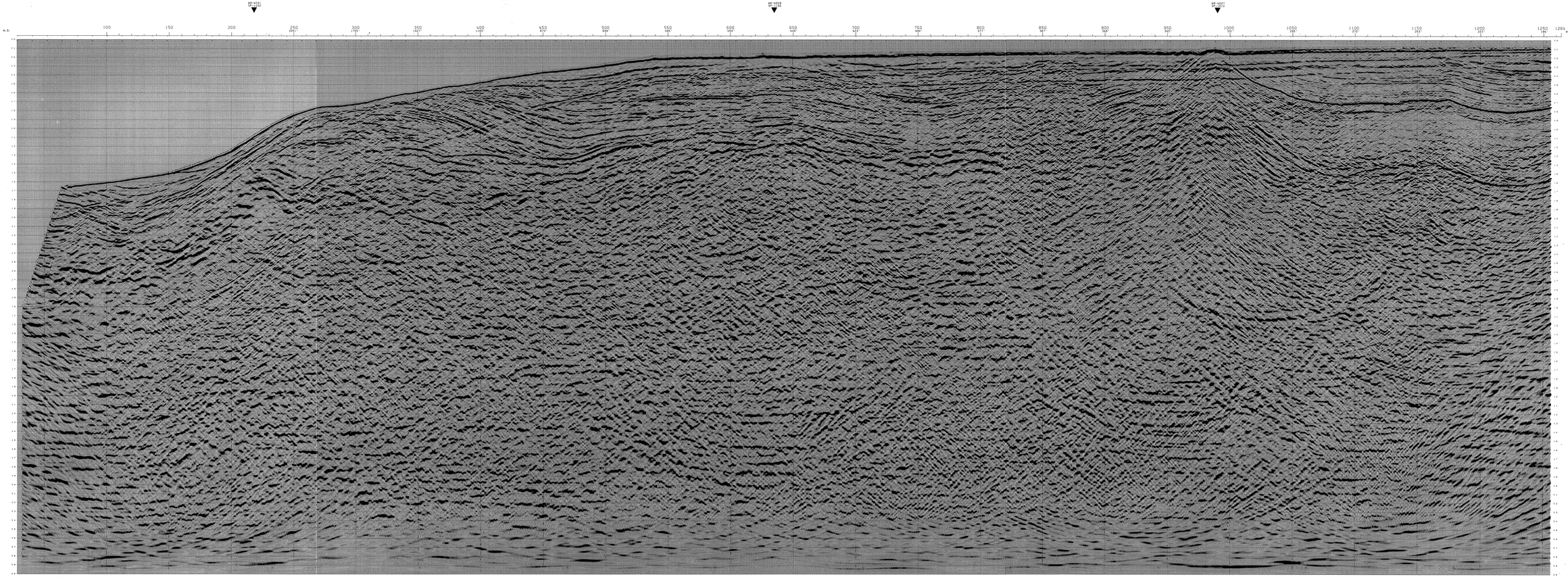
WO-4120

S.P. 100-1264

1X6000% MIGR AGC TVF
HIGH DIP RESIDUAL MIGRATION

WEST



WESTERN GEOPHYSICAL CO.

OFFSHORE OREGON

AREA: 1985 OFFSHORE WASHINGTON-OREGON

AGC PAPER NO. 139

SHOT BY WESTERN GEOPHYSICAL CO. PARTY 80 APR.,1985
M/V WESTERN ANCHORAGE
PROCESSED BY WESTERN GEOPHYSICAL DOC GROUP 18 JUNE,1985
USGS + DRE 85-140,88-41 JOB 157

RECORDING DATA

SOURCE

ENERGY SOURCE	AIRGUNS
TOTAL GUN VOLUME	1450 CU IN
GUN PRESSURE	4000 PSI
NUMBER OF GUNS	3
GUN DEPTH	20 FEET
FIRING INTERVAL	87.4 FEET
SHOTPOINT INTERVAL	87.4 FEET
DISTANCE OF SOURCE TO WATCH	236 FEET
DISTANCE SOURCE TO CABLE	0
PIVOT POINT	142 FEET

INSTRUMENTS

SYSTEM	VRS-16
AMPLIFIER	I.P.M.
FILTER	BLUTEN
SAMPLING INTERVAL	2 MSEC
RECORD LENGTH	8 SEC
FIELD FORMAT	206 CHANNELS SEG-D

CABLE

TYPE CABLE	STREAMER
CABLE LENGTH	10400 FEET
CABLE DEPTH	40 FEET
LEAD IN	1320 FEET
GROUP INTERVAL	41.7 FEET
NUMBER OF GEOPHONES PER GROUP	1
NUMBER OF GROUPS RECORDED	240

PROCESSING SEQUENCE AND PARAMETERS

PROCESSING SAMPLING INTERVAL 4 MSEC

FIELD ARRAY FORMED 120 TRACE 2MS SAMPLE INTERVAL
FIELD ARRAY USE TRACE WEIGHTING .5 .5 0 0
WITH 50% OVERLAP
FIELD ARRAY FORMAT 1 TRACE
CONVERT SEGD FORMAT TO CODEX IN DBS

1. DECONVOLVED BEFORE STACK
   TYPE MINIMUM PHASE INVERSE FILTER
   OPERATOR LENGTH 5 GATES 20 MSEC
   OVERLAP 25% OF ZONE
   LENGTH OPERATOR 200 MSEC
   PREDICTION DISTANCE 8 MSEC
   SHZ-BUT PREFILTER BEFORE DECONVOLUTION

2. NMO STACK GOOD!

3. F-K DOMAIN FILTER

4. HIGH DIP RESIDUAL MIGRATION

5. RMS GAIN

6. TIME VARIANT FILTER
   TIME ZONE S/N REF. M.C.
   0-2 SEC 4 30
   2-4 SEC 4 30
   4-6 SEC 4 30
   6-8 SEC 4 30
   FILTER TIMES VARY WITH STRUCTURE

LEGEND
INTERSECTIONS
W.D. WATER DEPTH

HORIZONTAL SCALE
120 TRACES = 1 MILE

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

NOTATIONS
SP LOCATIONS REFERENCED TO CABLE PIVOT POINT
PLOTTED ON FILE NUMBER: 0020HB
WATER DEPTH IN FEET
DATA CORRECTED TO SEA LEVEL +0.12MS