LINE S75-39

SOUTHEAST

SKELLY OIL COMPANY

BRISTOL BAY
1975 GROUP SHOOT

LINE S75-39

SHOTPOINTS 1-606

TRUE AMPLITUDE SECTION

FIELD DATA

FIELD PARTY	942
VESSEL	MV CECIL GREEN
DATE SHOT	JUNE 1975
ENERGY SOURCE	AIR GUNS
RECORDING INSTRUMENTS	DFS V
GAIN CONTROL	DFS V
RECORDING FILTERS LOW	8 HZ 18 DB/OCT
HIGH	62 HZ 18 DB/OCT
SAMPLE RATE	4 MSEC
RECORD LENGTH	6 SECONDS
MULTIPLICITY	48 FOLD
STREAMER LENGTH	3529M 48 TRACE
STREAMER DEPTH	40-50 FEET
SOURCE DEPTH	35 FEET
AIR GUN CAPACITY	1200 CU.IN.
IN LINE SHOT OFFSET	1345 FEET AVE.
GROUP CENTER INTERVAL	100 M.(NEARS) 50 M.(FARS)
SHOTPOINT INTERVAL	50 METERS

DIGITAL PROCESSING

DATUM - SEA LEVEL

TRUE AMPLITUDE RECOVERY
GAIN REMOVAL
ALPHA = 10.0 DB/SEC.
T1 = 0.0 SEC

TIME VARIANT DECONVOLUTION
NUMBER OF FILTERS = 2
FILTER LENGTH = WATER DEPTH DEPENDENT

TIME INVARIANT SCALING
GATE LENGTH = 3500 MSEC
TRACE EQUALIZATION PERFORMED

VELOCITY ANALYSIS
MINI-700 PACKAGE VELOCITY ANALYSIS
SCATTERGRAMS AT 3 MILE INTERVALS

NORMAL MOVEOUT CORRECTION
VELOCITY ANNOTATION ON SECTION HEADING

FIRST BREAK SUPPRESSION
SEE TAPER ON RECORD

CDP STACK
36 FOLD

TIME VARIANT DECONVOLUTION
NUMBER OF FILTERS = 2
FILTER LENGTH = 210 MSEC
DESIGN GATE = 49 - 300 MSEC. AND 4950 MSEC.

TIME VARIANT FILTERING

TIME (MSEC.)	FILTER (HZ.)
700	12-45
4000	8-40

DISPLAY
WIGGLE TRACE VARIABLE AREA
24 TRACES/IN
2.5 INCHES/SEC.

DISPLAY GAIN	
CDP INPUT	ALL
GAIN DB	TIME MSEC.
+11.0	2000

GEOPHYSICAL SERVICE INCORPORATED
(A SUBSIDIARY OF TEXAS INSTRUMENTS INC.)

L39
20 JUL 1975
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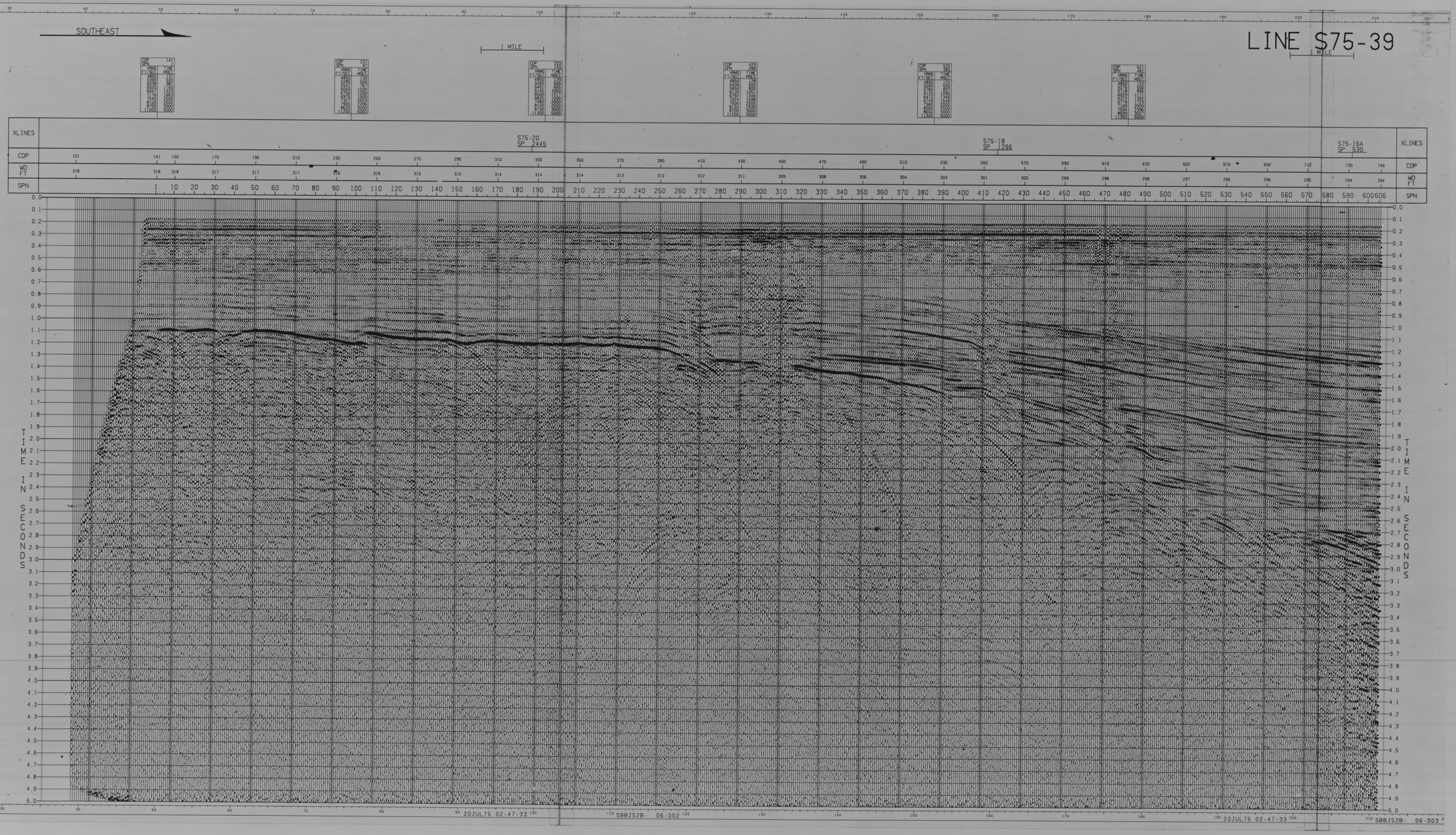
PROCESSING CHECKED BY