



United States Department of the Interior

U.S. GEOLOGICAL SURVEY

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MEMORANDUM

TO: Carl Abston
FROM: Debbie Hutchinson *Debbie*
SUBJECT: USGS Lines 1, 2, and 3
DATE: 19 June 1997

Attached to this memo are three plots of significant information from offshore multichannel lines 1, 2, and 3: A table of the field data configuration, and a picture of the ship/gun/streamer geometry. This is the information that should be scanned into the CD in the absence of Observer's Logs.

Along with these graphs/headers, we need to note that, for the field tapes, there were some duplicate shots. These are:

Line	Total Shots	Duplicate Shots
1	101 - 3588	970A - 1075A
2	101 - 2611	none
3	130 - 3493	1275A - 1305A

The sources for the field data configuration, the geometry, and the duplicate-shot information are the original mylar and film profiles that are archived at the USGS Woods Hole Data Library (Nancy Soderberg, USGS, 384 Woods Hole Rd., Woods Hole, MA, 02543, 508-457-2275).

LINE 1

GEOMETRY ↓

#0200

SEA EAST COAST USA

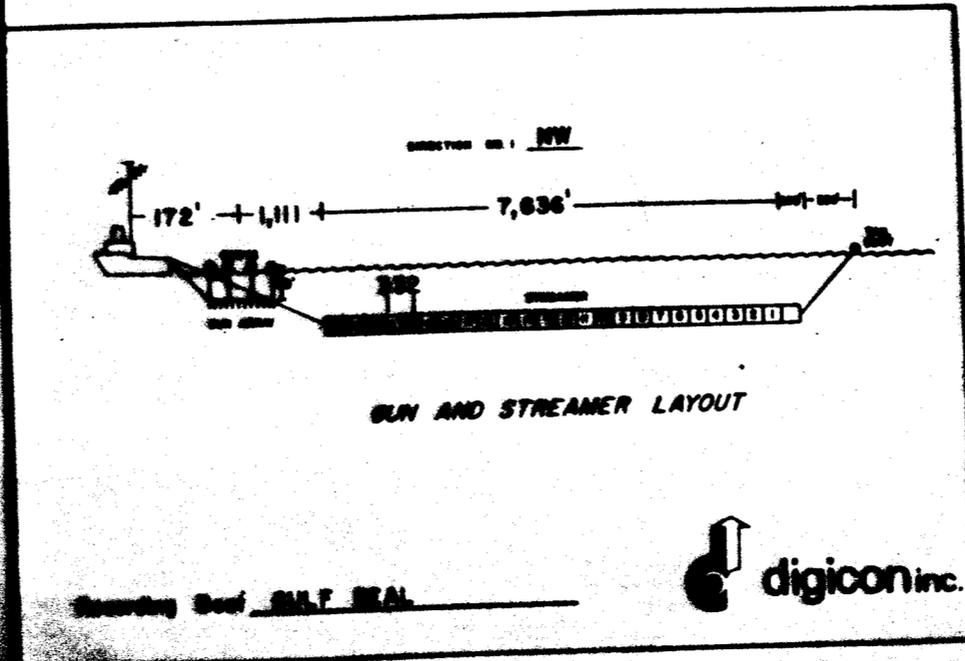
LINE NO. 1

SP 1720-2050

FIELD DATA

RECORDING INST. T. I. 11,000 DFS III
 RECORDING FILTERS 8/16/62 Hz
 SPREAD CONFIGURATION - END ON 1111' - 8747' OFFSET
 MAIN INFORMATION - BINARY GAIN
 ARRAY 20 GUNS 1260 IN³ TOTAL
 -300 IN³ 6-40 IN³
 -120 IN³ 8-30 IN³

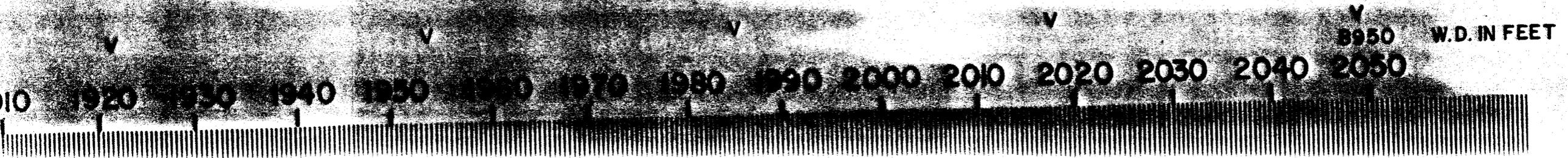
SOUTHEAST



USGS
 LINE 1
 SP 1720-2050
 12 FOLD CDPSUM

RECORDED AND PROCESSED
 BY
digicon inc.
 HOUSTON, TEXAS 77066

Recording Date DATE



N. MULTICHANNEL DECON. -1787 NO. FILTERS 1
 USE 1% FILTER LENGTH 320 ms.
 ATES NEAR OFFSET 2.4-5.6 SEC.
 ATES FAR OFFSET 2.4-5.6 SEC.
 -1850 NO. FILTERS 1
 USE 1% FILTER LENGTH 320 ms.
 ATES NEAR OFFSET 3.1-6.3 SEC.
 ATES FAR OFFSET 3.1-6.3 SEC.
 -1970 NO. FILTERS 1
 USE 1% FILTER LENGTH 320 ms.
 ATES NEAR OFFSET 3.6-6.8 SEC.
 ATES FAR OFFSET 3.6-6.8 SEC.

USGS

AREA EAST COAST U.S. A.

LINE NO. 1

SP's 1725-2324

PROCESSING

1. EXPONENTIAL GAIN RATE 3db/sec GATE 0-3.0 sec
 2. SYSTEM DELAY STATIC - 40 ms.
 3. NORMAL MOVEOUT
 4. T.V. DECON. MULTICHANNEL DECON.
 SP 1971-2090 NO. FILTERS 1
 WHITE NOISE 1% FILTER LENGTH 320 ms.
 DESIGN GATES NEAR OFFSET 4.1-7.3 SEC.
 DESIGN GATES FAR OFFSET 4.1-7.3 SEC.
 SP 2091-2324 NO. FILTERS 1
 WHITE NOISE 1% FILTER LENGTH 320 ms.
 DESIGN GATES NEAR OFFSET 4.5-7.7 SEC.
 DESIGN GATES FAR OFFSET 4.5-7.7 SEC.

5. VELOCITY ANALYSIS AS ON SECTION
 6. COMMON DEPTH POINT GATHER
 7. COMMON DEPTH POINT SUM 6 FOLD
 8. DIGITAL FILTER NO. FILTERS 2
 BAND PASS 10-35 Hz TIME 0-1.6 sec.
 5-25 Hz 4.0-11.0 sec.
 DECON AFTER STACK
 FILTER LENGTH ms. NO. FILTERS
 9. TRACE AMPLITUDE EQUALIZATION
 10. VERTICAL STACK 4 ON 1
 DATE SHOT **AUGUST 1973**
 DATE PROCESSED **OCTOBER 1973**
 DISPLAY TAPE NO.
 SHOTPOINTS ARE SHIP ANTENNA LOCATIONS

FIELD DATA

RECORDING INST. DFS III, T.J. 11,000
 RECORDING FILTERS 8-16-62 Hz
 SPREAD CONFIGURATION - END ON 1,111 ft-8,747 ft OFFSET
 GAIN INFORMATION - BINARY GAIN
 ARRAY 20 GUNS 1260 IN³ TOTAL
 1-300 in³ 6-40 in³
 2-120 in³ 8-30 in³
 3-80 in³

RECORDED AND PROCESSED BY
 **digicon inc.**
 HOUSTON, TEXAS 77006

← field data
 config
 LINE 1

