LINE GD-2

LINE GD-1

USGS

AREA DELAWARE BAY
LINE NO. GD-2
SP's 102-256

PROCESSING

1. EXPONENTIAL GAIN RATE 7db/sec GATE 2.000 sec
2. SYSTEM DELAY STATIC – 5 ms.
3. NORMAL MOVEOUT
4. T-V DECON. MULTICHANNEL DECON.
   SP 102-256 NO. FILTERS 4
   WHITE NOISE 1% FILTER LENGTH 40 ms.
   DESIGN GATES NEAR OFFSET 200-1,000, 400-1,500, 1,000-2,000, 1,500-3,000 ms.
   DESIGN GATES FAR OFFSET 1,000-1,500, 1,500-1,900, 1,900-2,300, 2,400-3,000 ms.
   SP NO. FILTERS
   WHITE NOISE FILTER LENGTH ms.
   DESIGN GATES NEAR OFFSET
   DESIGN GATES FAR OFFSET
5. VELOCITY ANALYSIS AS ON SECTION
6. COMMON DEPTH POINT GATHER
7. COMMON DEPTH POINT SUM 24 FOLD
8. DIGITAL FILTER NO. FILTERS 4
   BAND PASS 22 180 Hz TIME 0.0 .300 sec
   22 150 Hz 400 ms
   15 80 Hz 1,200 3,000 ms
9. DECON AFTER STACK
   FILTER LENGTH ms. NO. FILTERS
10. TRACE AMPLITUDE EQUALIZATION
11. RESAMPLE TO 2 ms

FIELD DATA

RECORDING INST. DFS III
RECORDING FILTERS/18-248Hz
SPREAD CONFIGURATION – END ON 196'-2772' OFFSET
GAIN INFORMATION – BINARY GAIN
ARRAY GUNS 164 TOTAL
SOURCE 2 SPARKER ARRAYS
ENERGY 80.0 K JOULES

DATE SHOT 5-17-76
DATE PROCESSED 6-3-76
DISPLAY TAPE NO. 37205(1-21)
SHOTPOINTS ARE SHIP ANTENNA LOCATIONS

RECORDED AND PROCESSED BY digicon inc. HOUSTON, TEXAS 77036

8. POST STACK DECONVOLUTION
☒ PREDICTIVE ☐ SPIKING
3 FILTERS PER TRACE 1 % WHITE NOISE

	OPERATOR LENGTH (ms)	PREDICTION LAG (ms)	DESIGN To (ms)	GATE To (ms)
SP 102-256	78	12	0	1000
			400	1800
			1000	3000

digicon inc.

RECORDING BOAT ATLANTIC SEAL digicon inc.

USGS

AREA DELAWARE BAY
LINE NO. GD-1
SP's 101-274

PROCESSING

1. EXPONENTIAL GAIN RATE 7db/sec GATE 2.000 sec
2. SYSTEM DELAY STATIC – 5 ms.
3. NORMAL MOVEOUT
4. T-V DECON. MULTICHANNEL DECON.
   SP 101-274 NO. FILTERS 4
   WHITE NOISE 1% FILTER LENGTH 40 ms.
   DESIGN GATES NEAR OFFSET 200-1,000, 400-1,500, 1,000-2,000, 1,500-3,000 ms.
   DESIGN GATES FAR OFFSET 1,000-1,500, 1,500-1,900, 1,900-2,300, 2,400-3,000 ms.
   SP NO. FILTERS
   WHITE NOISE FILTER LENGTH ms.
   DESIGN GATES NEAR OFFSET
   DESIGN GATES FAR OFFSET
5. VELOCITY ANALYSIS AS ON SECTION
6. COMMON DEPTH POINT GATHER
7. COMMON DEPTH POINT SUM 24 FOLD
8. DIGITAL FILTER NO. FILTERS 4
   BAND PASS 22 180 Hz TIME 0.0 .300 sec
   22 150 Hz 400 ms
   15 80 Hz 1,200 3,000 ms
9. DECON AFTER STACK
   FILTER LENGTH ms. NO. FILTERS
10. TRACE AMPLITUDE EQUALIZATION
11. RESAMPLE TO 2 ms

FIELD DATA

RECORDING INST. DFS III
RECORDING FILTERS/18-248Hz
SPREAD CONFIGURATION – END ON 196'-2772' OFFSET
GAIN INFORMATION – BINARY GAIN
ARRAY GUNS 164 TOTAL
SOURCE 2 SPARKER ARRAYS
ENERGY 80.0 K JOULES

DATE SHOT 5-17-76
DATE PROCESSED 6-3-76
DISPLAY TAPE NO. 37205(1-23)
SHOTPOINTS ARE SHIP ANTENNA LOCATIONS

RECORDED AND PROCESSED BY digicon inc. HOUSTON, TEXAS 77036

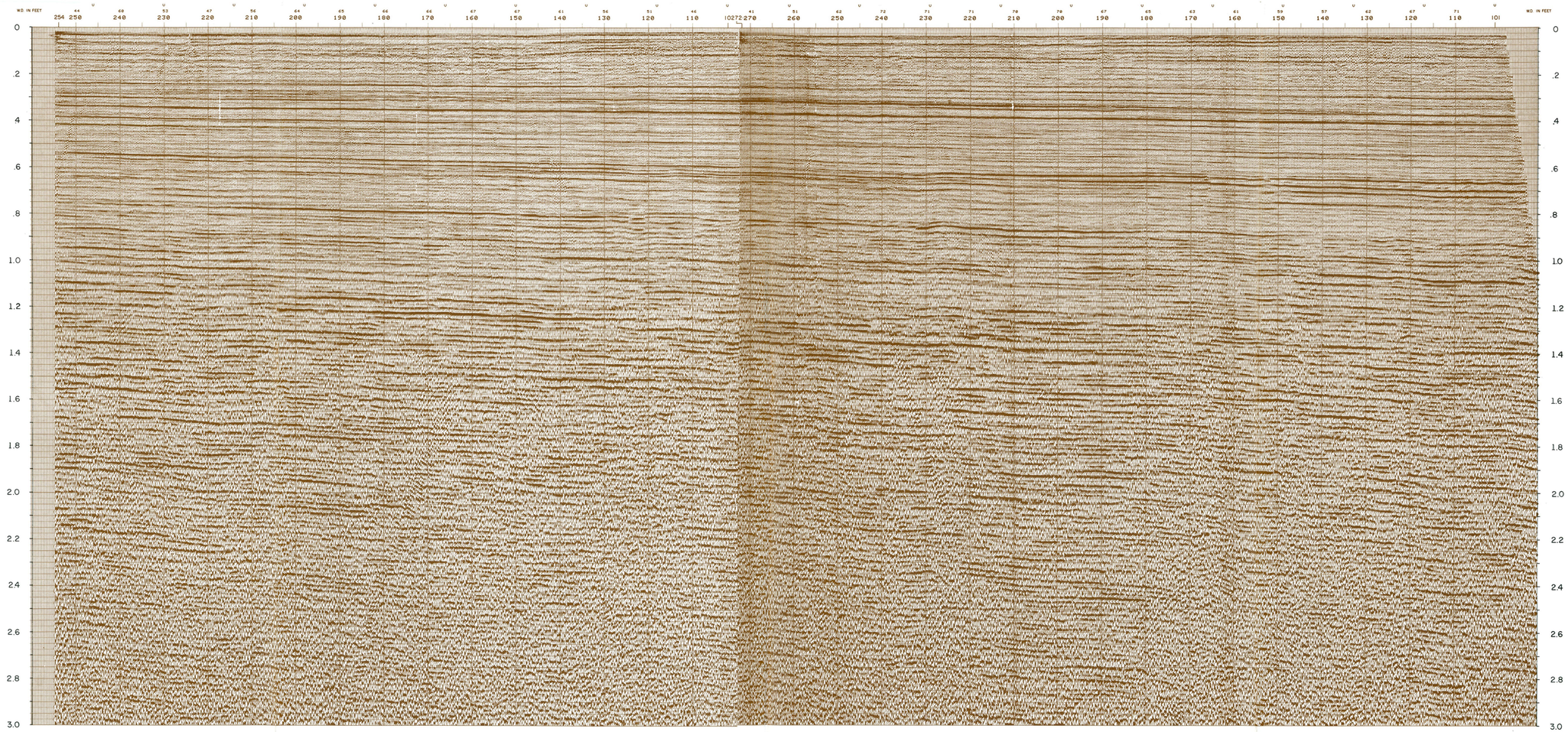
8. POST STACK DECONVOLUTION
☒ PREDICTIVE ☐ SPIKING
3 FILTERS PER TRACE 1 % WHITE NOISE

	OPERATOR LENGTH (ms)	PREDICTION LAG (ms)	DESIGN To (ms)	GATE To (ms)
SP 101-274	78	12	0	1000
			400	1800
			1000	3000

digicon inc.

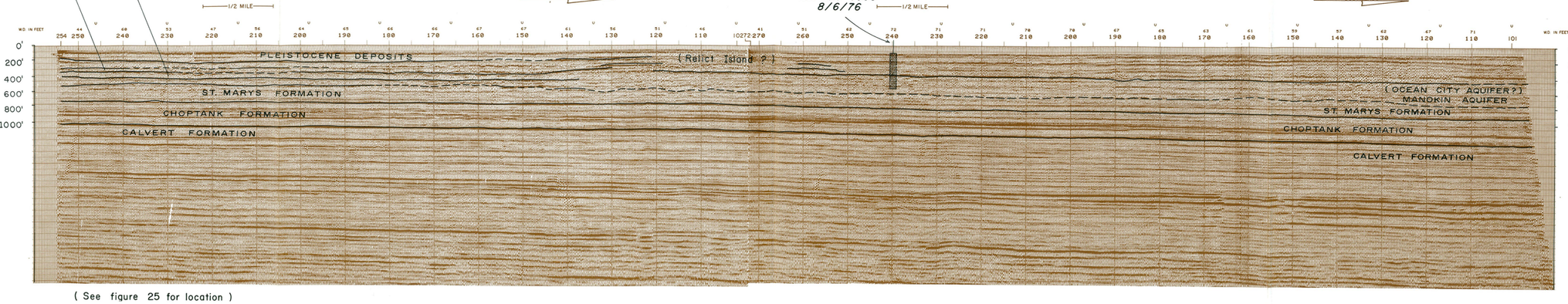
RECORDING BOAT ATLANTIC SEAL digicon inc.

ROUND-TRIP TIME IN SECONDS



(See figure 25 for location)

APPROXIMATE DEPTH IN FEET BELOW SEA LEVEL



(See figure 25 for location)

Figure 26.—Interpretation of upper part of east-west marine acoustical profiles.