MARINE SEISMIC OBSERVER'S LOG

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1 CLIENT: USGS	2 PROSPECT: GEORGES BANK	3 AREA: EAST COAST US	4 LINE NO.: 33A
5 VESSEL: MV CARINO	6 PARTY NO: 2912	7 INST. ENG.	8 DATE: MO NOV DAY 5 YR 78

9 CAMERA DISPLAY: [X] 1 SYSTEM [ ] 2 SYSTEMS [ ] NEAR AND FARS [ ] ODD AND EVEN

10 TYPE: [ ] DFS III [X] DFS IV OTHER

11 [X] 9 TRACK [ ] 21 TRACK

12 FORMAT: SEG B [X] GAPPED [ ] UNGAPPED

13 NO. BYTES IN HEADER: 128

14 NO. BYTES IN RECORD ID: 4

15 NO. OF BYTES IN SCAN: 124

16 TIMING TRACE CHANNEL: AUX

17 RECORD NUMBERS: [X] DEC. [ ] OCT.

18 PACKING DENSITY: (LO) [ ] 356 [ ] 800 (HI) [ ] 712 [X] 1600

19 SAMPLE RATE: [ ] 1 [ ] 2 [X] 4 [ ] 8 OTHER

20 RECORD LENGTH: 12 SEC.

21 DELAY START RECORD MODULE: (T_0) = 0 SEC

22 GAIN CONSTANT: 30dB

23 MAIN STREAMER RECORDING:
NUMBER OF TRACES 48
TRACE NUMBERS 1-48
CHANNEL NOS. (ON MAG TAPE) 1-41 - AUX

WATER BREAK RECORDING: 1 2 3 4 5 6
LOCATION
CHANNEL (ON TAPE)
TRACE (ON DISPLAY)

24 MINI STREAMER RECORDING:
NUMBER OF TRACES
TRACE NUMBERS
CHANNEL NOS. (ON MAG TAPE)

25 DIRECTION: 26 N W E S 26.9

GROUP INTERVAL 50 M STREAMER LENGTH 2400 M
DISTANCE FROM CENTER GUN TO CENTER NEAR GRP: 250 M

27 CABLE NOISE: MAIN ____ μBARS | MINI ____ μBARS

28 GROUP INTERVAL ____ M STREAMER LENGTH ____ M
DISTANCE FROM CENTER GUN TO CENTER NEAR GRP: ____ M

29

30 COVERAGE: 24 FOLD

31 SHOTPOINT INTERVAL: 50 M

32 SHOTPOINT INCREMENT:

33 GUN DEPTH: 9 M

34 WATER VELOCITY: CMS M/SEC

35 FILTERS MAIN STREAMER: LOW 8/12 HIGH 62

36 FILTERS MINI STREAMER: LOW ____ HIGH ____

37 RECORD GAIN MODE: [ ] INIT [ ] MAN [ ] OPER [X] FP

38 REPRODUCE MODE: [ ] FLOAT [ ] DEFLOAT [X] AGC

39 AIRGUN ARRAY: 2000 IN^3

40 AIRGUN PRESSURE: 2000 PSI

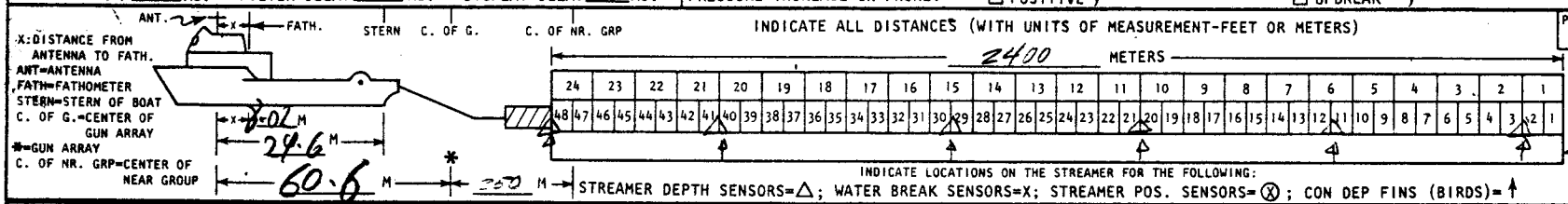
SYSTEM DELAYS: AIRGUN DELAY 51 MS. FILTER DELAY ____ MS. DISPLAY DELAY ____ MS.

41 POLARITY: PRESSURE INCREASE ON PHONE: [X] NEGATIVE [ ] POSITIVE } NUMBERS ON TAPE; [X] DOWNBREAK [ ] UPBREAK } ON DISPLAY

42 ALIASING FILTER 62

43

POP PER SHOTPOINT 1 44



NOTE: INDICATE STREAMER DIAGRAM IF DIFFERENT THAN THE ABOVE GROUPS HERE

	43 SHOTPOINT	RPT	44 REC # OR DUMMY (-1)	45 REEL NUMBER	XPORT	46 W. DEPTH (M)	47 OFFSET (M)	48 STREAMER DEPTH 48/1 40/40 30/29 21/20 12/11 3/2	49 MINI STR	50 MINI-STR OFFSET(M)	51 POP SP	52 TIME ~~LOCAL~~ GMT	53 FS 961 / AZ	54 LS / 55 FR 001 / 56 LR / 57 INX	58 N	59 LINE 33-A	60
1			999	7567159B													61 NOISE STRIP
2	2661		001	7567159B		11.5	350	44 48 57 46 50 48				21.00				TB 178 SH 2457	
3	2840		022													PARITY ERROR	
4	8215															SR MISSED	
5	8119															SR MISSED	
6	8113															SP MISSED	
7	750		109	7567160B		12.5		45 47 55 59 56 52				21.28				TB 178 SH 241	
8	615		207													SR MISSED	
9	611		217	7561761		12.1		45 44 45 40 54 55				21.55				TB 182 SH 237	

TI-23287B

DO NOT USE UNNUMBERED LINES

MARINE SEISMIC OBSERVER'S LOG

1 CLIENT: U.S.G.S.	2 PROSPECT: GEORGES BANK	3 AREA: EAST COAST U.S.	4 LINE NO.: 33 A
5 VESSEL: CARINO	6 PARTY NO: 29.2	7 INST. ENG.	8 DATE: MO NOV DAY 5 YR 78

9 CAMERA DISPLAY: ☐ 1 SYSTEM ☐ 2 SYSTEMS ☐ NEAR AND FARS ☐ ODD AND EVEN

10 TYPE: ☐ DFS III ☐ DFS IV OTHER ____ ☐ 9 TRACK ☐ 21 TRACK

11 FORMAT: SEG ____ ☐ GAPPED ☐ UNGAPPED 12

13 NO. BYTES IN HEADER: 14 NO. BYTES IN RECORD ID: 15 NO. OF BYTES IN SCAN: 16 TIMING TRACE CHANNEL: 17 RECORD NUMBERS: ☐ DEC. ☐ OCT. 18 PACKING DENSITY: (LO) ☐ 356 ☐ 800 (HI) ☐ 712 ☐ 1600

19 SAMPLE RATE: ☐ 1 ☐ 2 ☐ 4 ☐ 8 OTHER ____ 20 RECORD LENGTH: ____ SEC. 21 DELAY START RECORD MODULE: (T_o) = ____ SEC 22 GAIN CONSTANT:

23 MAIN STREAMER RECORDING: NUMBER OF TRACES ____ TRACE NUMBERS ____ CHANNEL NOS. (ON MAG TAPE) ____

WATER BREAK RECORDING: LOCATION / CHANNEL (ON TAPE) / TRACE (ON DISPLAY) — 1 2 3 4 5 6

24 MINI STREAMER RECORDING: NUMBER OF TRACES ____ TRACE NUMBERS ____ CHANNEL NOS. (ON MAG TAPE) ____

25 DIRECTION: 26 N W E S

GROUP INTERVAL ____ M STREAMER LENGTH ____ M 27 DISTANCE FROM CENTER GUN TO CENTER NEAR GRP: ____ M

CABLE NOISE: MAIN ____ μBARS | MINI ____ μBARS 28

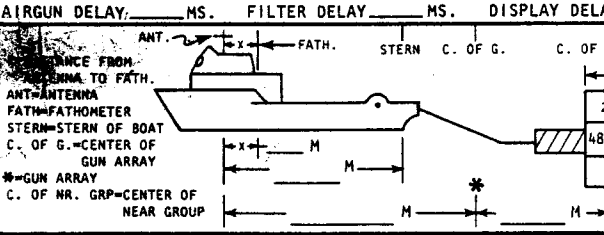
GROUP INTERVAL ____ M STREAMER LENGTH ____ M 29 DISTANCE FROM CENTER GUN TO CENTER NEAR GRP: ____ M

30 COVERAGE: ____ FOLD 31 SHOTPOINT INTERVAL: ____ M 32 SHOTPOINT INCREMENT: ____ 33 GUN DEPTH: ____ M 34 WATER VELOCITY: ____ M/SEC

35 FILTERS MAIN STREAMER: LOW ____ HIGH ____ 36 FILTERS MINI STREAMER: LOW ____ HIGH ____ 37 RECORD GAIN MODE: ☐ INIT ☐ MAN ☐ OPER ☐ IFP 38 REPRODUCE MODE: ☐ FLOAT ☐ DEFLOAT ☐ AGC 39 AIRGUN ARRAY: ____ IN^3 40 AIRGUN PRESSURE: ____ PSI

SYSTEM DELAYS: AIRGUN DELAY ____ MS. FILTER DELAY ____ MS. DISPLAY DELAY ____ MS. 41 POLARITY: PRESSURE INCREASE ON PHONE: ☐ NEGATIVE ☐ POSITIVE } NUMBERS ON TAPE ☐ DOWNBREAK ☐ UPBREAK } ON DISPLAY 42 ALIASING FILTER ____ 43

POP PER SHOTPOINT 44



DISTANCE FROM ANTENNA TO FATH.
ANT=ANTENNA
FATH=FATHOMETER
STERN=STERN OF BOAT
C. OF G.=CENTER OF GUN ARRAY
*=GUN ARRAY
C. OF NR. GRP=CENTER OF NEAR GROUP

INDICATE ALL DISTANCES (WITH UNITS OF MEASUREMENT-FEET OR METERS)

METERS: 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

48 47 46 45 44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

NOTE: INDICATE STREAMER DIAGRAM IF DIFFERENT THAN THE ABOVE GROUPS HERE

INDICATE LOCATIONS ON THE STREAMER FOR THE FOLLOWING:
STREAMER DEPTH SENSORS=△; WATER BREAK SENSORS=X; STREAMER POS. SENSORS=Ⓧ; CON DEP FINS (BIRDS)=↑

	43 SHOTPOINT	RPT	44 REC # OR DUMMY (-1)	45 REEL NUMBER	XPORT	46 W. DEPTH (M)	47 OFFSET (M)	48 STREAMER DEPTH 48	30/27	24/20	12/11	3/2	49 MINI STR	50 MINI-STR OFFSET(M)	POP SP	52 TIME ~~LOCAL~~/GMT	53 F S 861 / 54 L S / 55 F R 1001 / 56 L R / 57 A Z / 58 I N X / 59 N / 60 L I N E 33-A	61
1	5163		2974	7567 61		115		55	47	55	53	60	60			2219		MISSED SHOT FOR INVESTIG
2	5311		3216	7567 67	A	119		48	46	47	44	54	53			2229		TB 179° SH 240°
3	883		4334	7567 63	B	139		45	45	49	44	56	49			2250		TB 172 SH 235
4	3117		500					48	44									PARITY
								45		42	41	43	48					
5	3141		5143	7567 64	A	137		48	44	42	41	43	48			2327		TB 179° SH 228°
6	3197		6500	7567 65	B	145		50	49	56	48	51	48			2350		TB 182° SH 235
7	000		6657															MIDKNIGHT SHIFT POINT
8	101		7356	7567 66	A	144		45	44	50	42	49	44			0030		TB 178 SH 233
9	079		7778	7567 61	V	156		47	44	45	42	46	47			0036		TB 178 SH 232.9 EOL

779 NOISE STRIP.

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