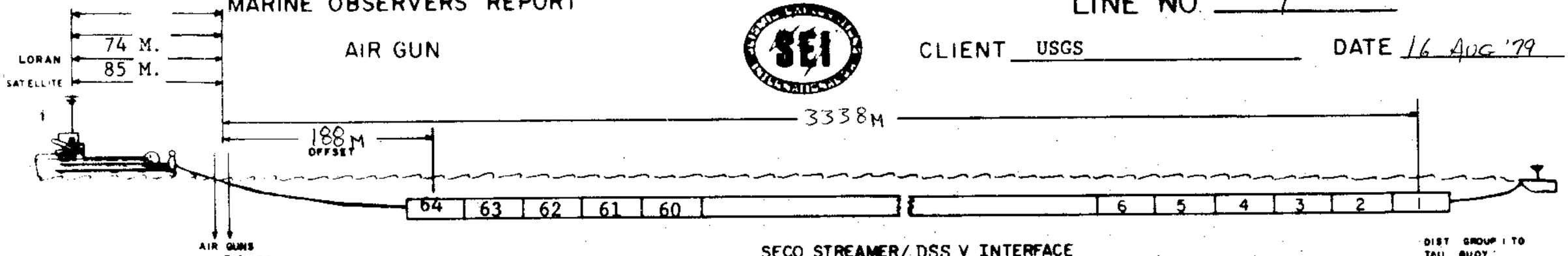
MARINE OBSERVERS REPORT

AIR GUN

LINE NO. 7

CLIENT USGS

DATE 16 Aug '79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 199°

NO OF ACTIVE SECTIONS 32 ACTIVE SECTION LENGTH 100 M. GEO./GRP 64

DISTANCE FROM CENTER OF SOURCE TO CENTER OF NEAR STATION 188 M

GROUP INTERVAL 50 M. S.P. INTERVAL 50 M. POP INTERVAL 50 M.

NO. AND VOLUME OF AIR GUNS 21/2183 Cu. In.

AIR GUN DEPTH 7 M.

NAVIGATION Satellite Navigation/Doppler Sonar with Loran C

REMARKS All times GMT
SP 117 - Broke Line due to Compressor Failure

REFERENCE VOLTAGE: 400 uv

1st SP 1 FILE # 001 REEL # 341 TIME: 1752 GMT

LAST SP 117 FILE # 117 REEL # 342 TIME 1826 GMT

CLIENT REPRESENTATIVE: Ray Martin Mahlon Ball

INSTRUMENTATION

RECORDING INSTRUMENTS GEOSOURCE MDS-10

TIME ZERO DELAY 25 ms.

TAPE FORMAT SEG 'B' RECORD LENGTH 8 secs.

MULTIPLEX: 32 ___ 64 ___ 128 X BPI 1600 SAMPLE RATE 4 ms.

GAIN MODE IFP GAIN CONSTANT 24 dbs

HC FILTER 62 Hz Slope 80 db/oct. LC FILTER 9 Hz Slope 18 db/oct.

STREAMER SENSITIVITY 100 uv/ub

SYSTEM POLARITY: circle appropriate term

Geophone Output		Digital Tape		Camera Monitor		Section Plotter	
+	−	+	−	up	down	black	white

REMARKS Time break overide: 64 ms.
Fathometer recordings draft compensated

FATHOMETER: TYPE Raytheon Bathymetric DEPTH 4 M.

MAGNETOMETER TYPE ___ DEPTH ___

SUB-BOTTOM PROFILER ___

SECTION PLOTTER Tr 64 Each 1 Pop. 4 Secs.

TYPE Raytheon LSR-1811

TAPE CHANNEL ASSIGNMENT

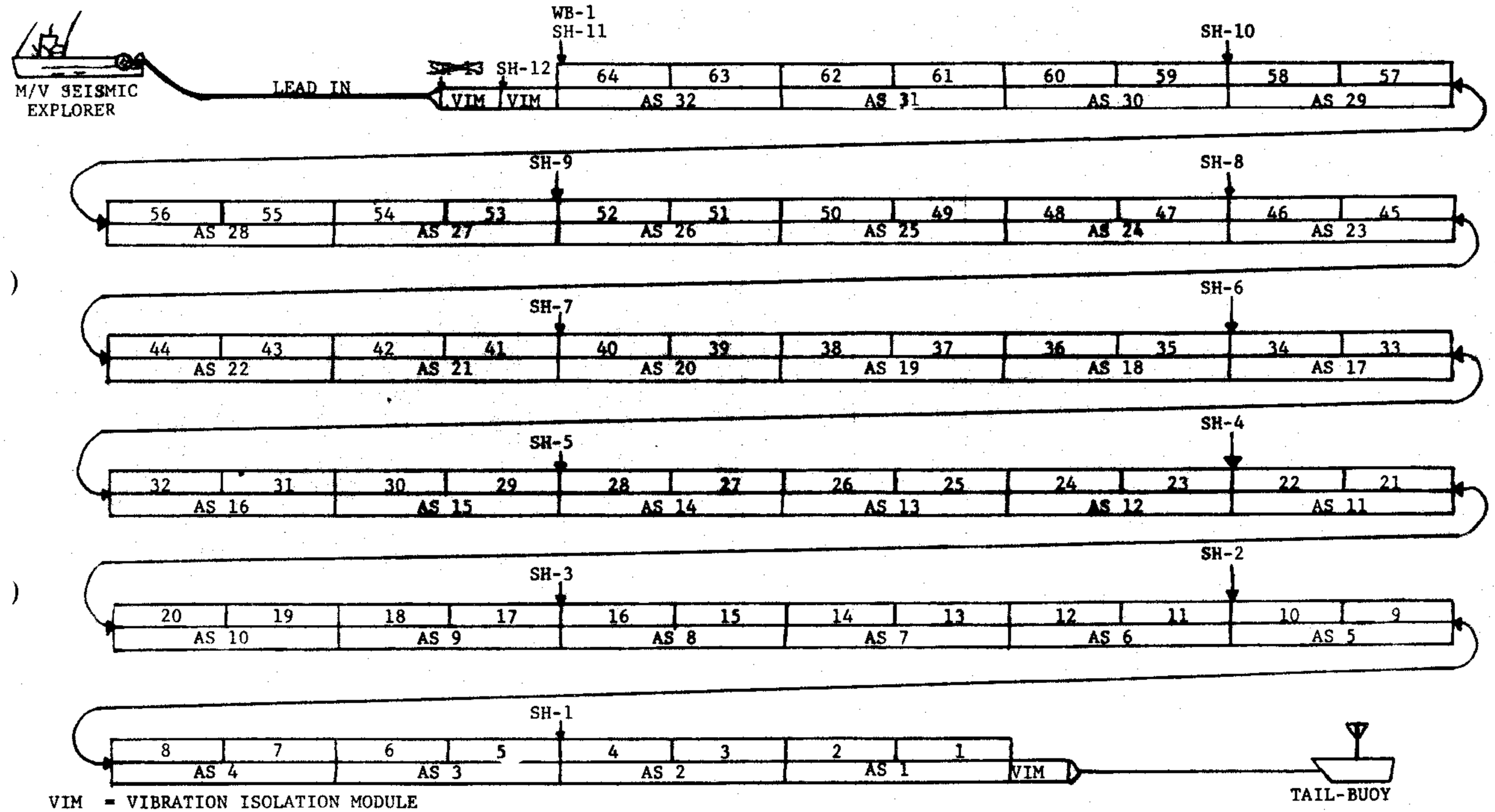
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

Monitor Record Every 40 Pop

MONITOR TRACE ASSIGNMENT

Trace(s)	INFORMATION
1-48	Seismic Data
49	TIME BREAK
50	Gun Phone Sum
51	W/B Sum
52	File Number
53	50 Hz.

OBSERVER HUNTER/ABERNETHY



VIM = VIBRATION ISOLATION MODULE
AS = ACTIVE SECTION
1-64 = 50 METER GROUPS
SH = SEAHAWK DEPTH CONTROLLER
WB = WATER BREAK

OBSERVER'S LOG

AREA: Gulf of Mexico
LINE No. 7 DATE: 16 AUG '79
CLIENT: USGS
BASE COURSE: 199°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

PAGE 1 OF 1
REEL No. 341-342

KEY
BOT = Beginning of Tape
EOT = End of Tape
PE = Parity Error
AF = Autofire

SP No.	FILE No.	TIME (GMT)	STREAMER DEPTH (FEET) 1	2	3	4	5	6	7	8	9	10	11	12	SHIP's HDG.	TAIL BOUY	WATER DEPTH (MTR)	REEL No.	TRANS PORT	REMARKS
	000																	341	1	BOT Cable Noise
1	001	1752	29	28	27	31	31	30	30	32	28	28	31	31	196°	184°	147			First shot of line
40	040	1803	29	28	27	31	31	29	30	31	28	28	31	31	195°	184°	157			
80	080	1815	29	28	27	31	31	29	29	32	28	28	32	32	195°	182°	174			
84	084																			PE
85	085																	341	1	EOT
86	086																	342	2	BOT
117	117	1826	BROKE LINE DUE TO Compressor FAILURE																	Two Tape Marks Last shot point

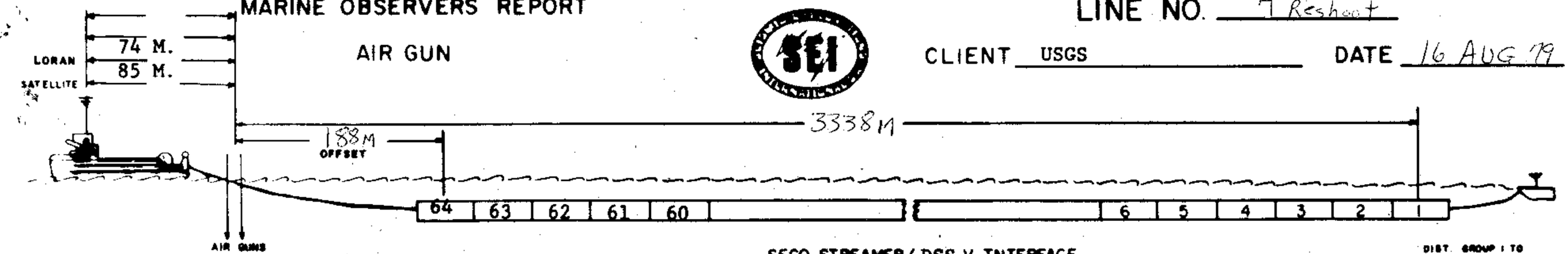
MARINE OBSERVERS REPORT

AIR GUN

LINE NO. 7 Reshoot

CLIENT USGS

DATE 16 AUG 79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 199°

NO. OF ACTIVE SECTIONS 32 ACTIVE SECTION LENGTH 100 M. GEO./GRP. 64

DISTANCE FROM CENTER OF SOURCE TO CENTER OF NEAR STATION 188 M

GROUP INTERVAL 50 M. S.P. INTERVAL 50 M. POP INTERVAL 50 M.

NO. AND VOLUME OF AIR GUNS 21/2183 Cu. In.

AIR GUN DEPTH 7 M.

NAVIGATION Satellite Navigation/Doppler Sonar with Loran C

REMARKS All times GMT

→ ALL RECORDS RUN AT 12 Second Length ←

SP117A - Last 'A' Shot

SP128 - Dog Leg To LINE #6.

REFERENCE VOLTAGE: 400 uv

1st SP 85A FILE # 001 REEL # 343 TIME: 2010 GMT

LAST SP 128 FILE # 044 REEL # 343 TIME: 2024 GMT

CLIENT REPRESENTATIVE: Ray Martin Mahlon Ball

INSTRUMENTATION

RECORDING INSTRUMENTS GEOSOURCE MDS-10

TIME ZERO DELAY 25 ms.

TAPE FORMAT SEG 'B' RECORD LENGTH 12 secs.

MULTIPLEX: 32 __ 64 __ 128 X BPI 1600 SAMPLE RATE 4 ms.

GAIN MODE IFP GAIN CONSTANT 24 dbs

HC FILTER 62 Hz Slope 80 db/oct. LC FILTER 9 Hz Slope 18 db/oct.

STREAMER SENSITIVITY 100 uv/ub

SYSTEM POLARITY: circle appropriate term

Geophone Output		Digital Tape		Camera Monitor		Section Plotter	
+	−	+	−	up	down	black	white

REMARKS: Time break overide: 64 ms.

Fathometer recordings draft compensated

FATHOMETER: TYPE Raytheon Bathymetri DEPTH 4 M.

MAGNETOMETER TYPE ____ DEPTH ____

SUB-BOTTOM PROFILER ____

SECTION PLOTTER Tr 64 Each 1 Pop. 4 Secs.

TYPE Raytheon LSR-1811

TAPE CHANNEL ASSIGNMENT

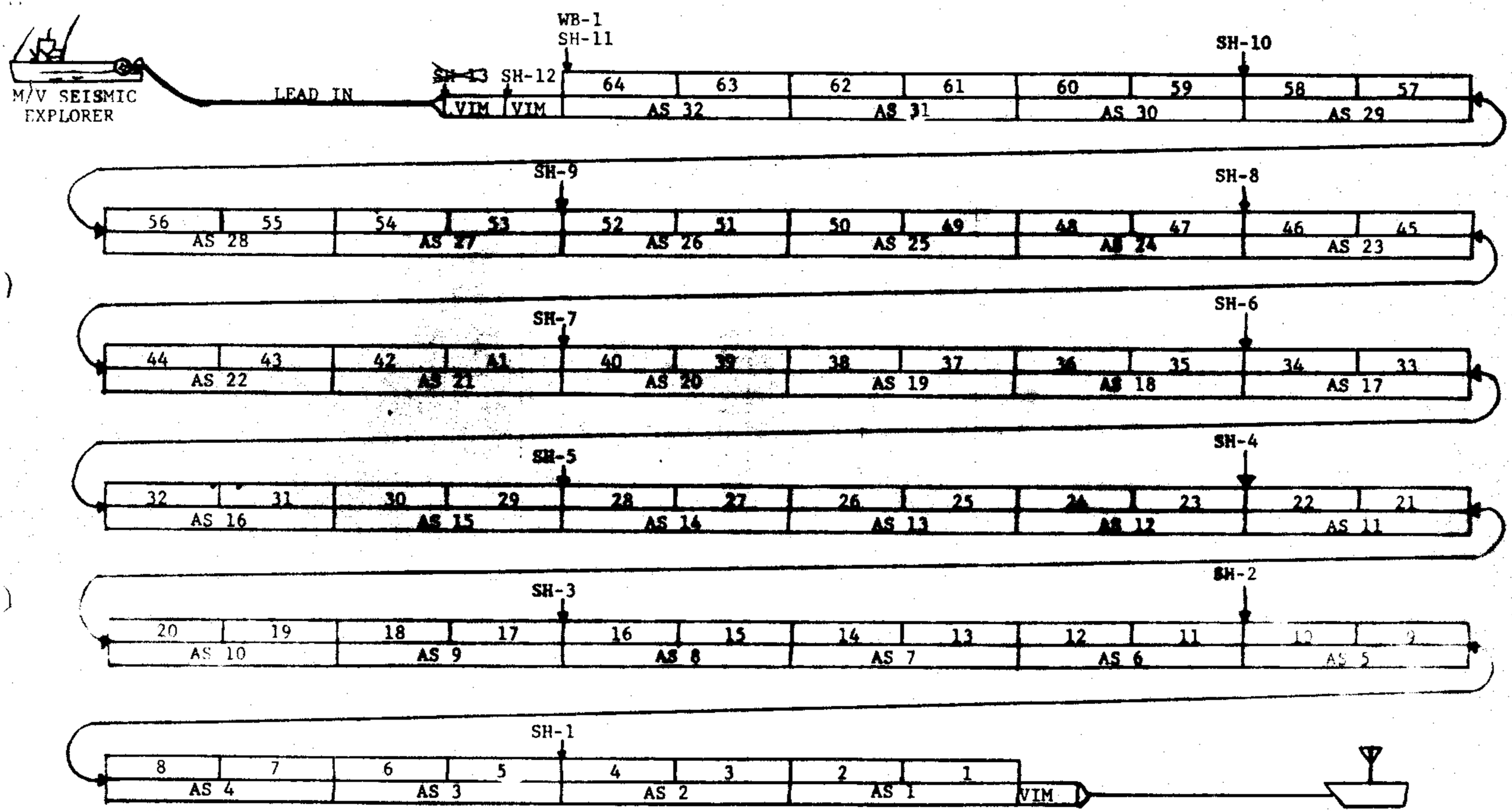
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

Monitor Record Every 40 Pop

MONITOR TRACE ASSIGNMENT

Trace(s)	INFORMATION
1-48	Seismic Data
49	TIME BREAK
50	Gun Phone Sum
51	W/B Sum
52	File Number
53	50 Hz.

OBSERVER Hunter/ ABERNETHY



VIM = VIBRATION ISOLATION MODULE
AS = ACTIVE SECTION
1-64 = 50 METER GROUPS
SH = SEAHAWK DEPTH CONTROLLER
WB = WATER BREAK

OBSERVER'S LOG

AREA: Gulf of Mexico
LINE No. 7 Reshoot DATE: 16 AUG '79
CLIENT: USGS
BASE COURSE: 199°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

PAGE 1 OF 1
REEL No. 343

KEY
BOT = Beginning of Tape
EOT = End of Tape
PE = Parity Error
AF = Autofire

SP No.	FILE No.	TIME (GMT)	STREAMER DEPTH (FEET) 1	2	3	4	5	6	7	8	9	10	11	12	SHIP'S HDG.	TAIL BOUY	WATER DEPTH (FEET)	REEL No.	TRANS PORT	REMARKS
85A	001	2010	28	31	28	31	32	29	31	30	29	23	33	32	200°	195°	176	343	1	BOT FIRST S.P. of Reshoot
117A	033																			Last 'A' shot
124	040	2022	27	31	27	30	31	28	30	30	28	22	30	30	200°	183°	181			
128	044	2024	DOGLEG TO LINE 16.																	Last shot of line 7
			RAN #7 Reshoot At 12 second Records																	