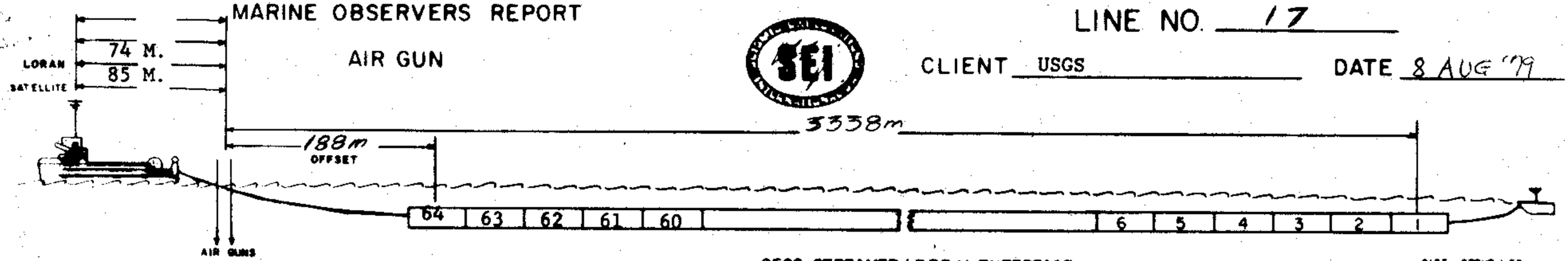
MARINE OBSERVERS REPORT

AIR GUN

LINE NO. 17

CLIENT USGS

DATE 8 AUG '79



AREA Gulf of Mexico LOCATION MAFLA OCS

MOTOR VESSEL SEISMIC EXPLORER DIRECTION RECORDED 062°

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

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

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 84 - 45 cu in gun out

REFERENCE VOLTAGE: 400 uv

1st SP 1 FILE # 001 REEL # 167 TIME: 2316 GMT

LAST SP 1025 FILE # 025 REEL # 179 TIME: 0403 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 db

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

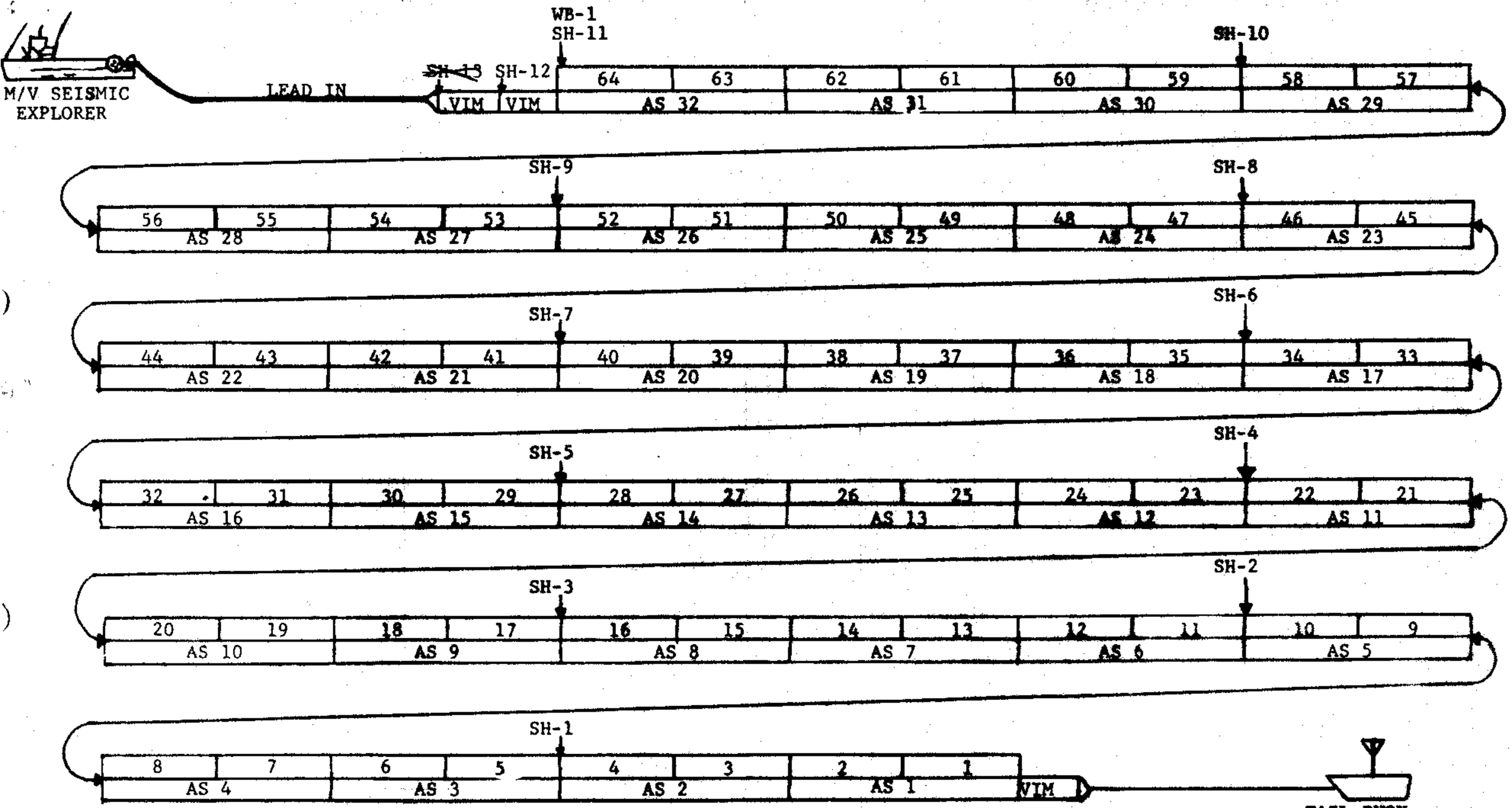
Channel(s)	INFORMATION
1-64	Seismic Data
Aux. 1	Timing Word
Aux. 2	W/B Sum
Aux. 3	Time Break
Aux. 4	Gun Phone Sum
Aux. 5	50 Hz.

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/HUTCHINS



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. 17 DATE: 7 AUG '79
CLIENT: USGS
BASE COURSE: 62°
LOCATION: Mafla Ocs

M/V SEISMIC EXPLORER

REEL No. 167-176

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
	000																	167	1	BOT CABLE NOISE
1	001	2316	31	30	30	29	30	27	30	30	30	32	32	32	65°	179°	102			First shot of LINE
16	016																			PE
40	040	2327	31	30	30	28	29	28	28	28	27	30	32	32	67°	174°	102			
80	080	2339	32	30	30	29	31	33	33	31	30	30	33	32	62°	179°	85			
84	084		#11 PORT GUN OUT (45 cu. in.)																	
85	085																	167	1	EOT
86	086																	168	2	BOT
120	120	2350	31	31	31	30	30	29	27	28	28	31	30	31	67°	174°	97			
160	160	0001	30	29	29	27	29	28	28	28	29	29	32	33	67°	176°	96			
170	170																	168	2	EOT
171	171																	169	1	BOT
200	200	0012	31	29	29	31	30	30	28	28	31	30	32	32	67°	174°	92			
240	240	0023	31	30	29	28	30	31	30	30	32	32	32	33	67°	177°	87			
255	255																	169	1	EOT
256	256																	170	2	BOT
280	280	0034	31	30	30	33	31	32	30	28	30	30	31	32	70°	176°	89			
320	320	0045	31	29	29	30	29	27	27	29	33	33	32	32	62°	183°	82			
340	340																	170	2	EOT
341	341																	171	1	BOT
360	360	0057	31	30	30	28	29	28	27	27	29	29	30	31	66°	179°	79			
373	373																			PE
400	400	0108	30	30	30	30	29	29	32	30	30	30	30	31	67°	178°	82			
425	425																	171	1	EOT
426	426																	172	2	BOT
440	440	0119	31	30	31	31	30	31	33	30	30	30	30	30	66°	179°	70			
480	480	0130	31	30	29	29	28	28	27	28	30	29	31	32	69°	177°	73			
510	510																	172	2	EOT
511	511																	173	1	BOT
520	520	0141	31	29	30	30	30	32	30	28	29	29	31	32	69°	177°	73			
560	560	0153	30	29	30	30	29	29	31	28	29	30	31	32	73°	174°	73			
595	595																	173	1	EOT
596	596																	174	2	BOT
600	600	0204	30	29	30	30	29	30	30	28	29	30	31	32	75°	172°	67			
640	640	0215	30	29	29	29	29	27	29	29	29	28	31	31	71°	176°	61			
680	680	0226	30	30	30	30	30	32	33	32	29	28	30	31	71°	177°	66	174	2	EOT
681	681																	175	1	BOT
720	720	0237	31	31	30	31	30	30	29	31	29	28	30	30	70°	177°	63			
760	760	0248	31	30	30	31	29	29	31	32	32	30	31	31	68°	177°	61			
765	765																	175	1	EOT
766	766																	176	2	BOT
800	800	0259	31	30	31	32	29	27	27	30	29	29	30	31	69°	175°	58			

OBSERVER'S LOG

AREA: Gulf of Mexico
LINE No. 17 DATE: 8 AUG '79
CLIENT: USGS
BASE COURSE: 62°
LOCATION: MAFLA OCS

M/V SEISMIC EXPLORER

REEL No. 176-179

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 (METRES)	REEL No.	TRANS PORT	REMARKS
840	840	0310	31	30	29	31	30	30	29	30	29	29	30	30	67°	178°	52	176	2	
850	850																	176	2	EOT
851	851																	177	1	BOT
880	880	0321	31	30	30	30	28	29	29	30	29	28	30	31	68°	178°	54			
911	911		RAISING CABLE TO 20 Feet																	
920	920	0333													69°	179°	50			
935	935																	177	1	EOT
936	936																	178	2	BOT
960	960	0344	19	17	18	20	19	22	20	22	21	18	19	24	67°	176°	46			
1000	000	0356	19	17	17	22	19	18	17	18	21	20	19	24	68°	178°	44			
1020	020																	178	2	EOT
1021	021																	179	1	BOT
1025	025	0403																		LAST shot of LINE
	026																			CABLE NOISE
																				two TAPE MARKS