

VESSEL: SEA SEARCHER
PARTY CHIEF: Torstein S. Sjøgren

DATE: FEBRUARY 17 1988

NAV. TRACK
LINE: LSU-1/100/200 DIR 000

MARINE SURVEY GENERAL INFORMATION

CLIENT: LOUISIANA STATE UNIVERSITY

PROSPECT: ATWATER VALLEY/MOBILE



JOB: 6785

INSTRUMENT CONFIGURATION

Recording instrument: DSS-U, DFS-U,
NORD-100
Format: SEG-D, 8048
Rec. length/time: 16 sec.
Sample rate: 4 msec.
High cut filter/slope: 90/72
Low cut filter/slope: 5.3/18
Shot point interval: 50m
Field coverage: 4500%
Gain setting/constant: 24db
DSS sensitivity: 20 volt/bar
Monitor recorded on
SIE every: 60 shots
Lineprofiler XPC
trace every 2nd shot
3 and 93

NAVIGATION CONFIGURATION

Integrated nav: GECO NORSTAR
Primary navigation: ARGO/LORAN-C
Secondary navigation:
Doppler sonar:

SEISMIC ENERGY SOURCE

Total volume 7524 cu.in.
Depth 7,5m

STREAMER CONFIGURATION

Type of streamer: HSSQ
Hydrophones in groups: 40
Number of groups in use: 180
Group length: 25m
Streamer depth: 10m+/-1m

TOWING CABLE CONSIST OF:

Lead-in: 84m
Stretch sections: 5x50=250m
% stretch: 12m
Live sections: 60x75+
4500m
Digibird compass/depth: 18
Adapters: 0
Waterbreak: 0
Length active streamer: 4502m
Length rope/tailbuoy: 200m
Aux.ch. 1: FTR
Aux.ch. 2: NB
Aux.ch. 3:
Aux.ch. 4:
To get correct waterdepth,
add 5,5m to echo sounder readings

REMARKS, Trace 1 = near trace

Field timebreak=time zero



GECO

SOURCE/OFFSET LAYOUT

VESSEL: SEA SEARCHER

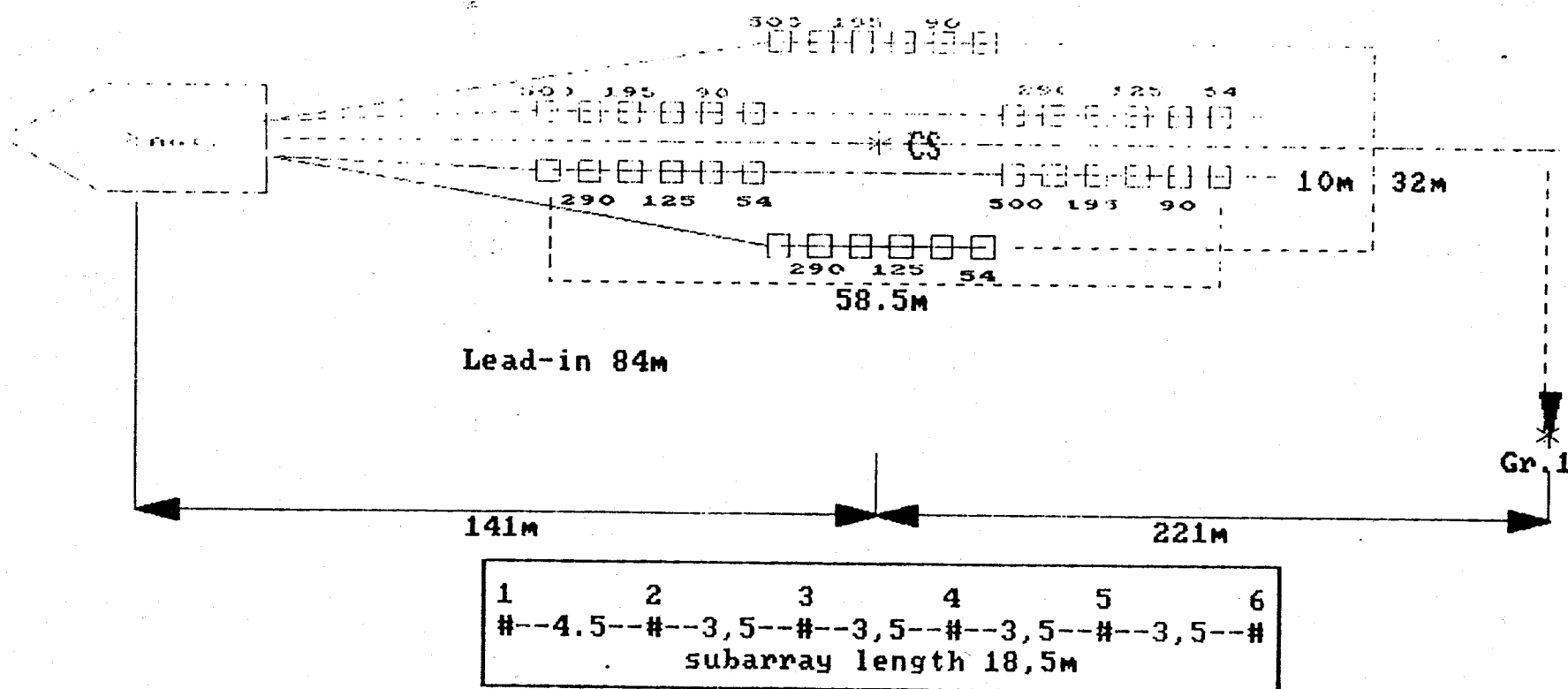
CLIENT: LOUISIANA STATE UNIVERSITY

JOB. NO. 6785

AREA : ATWATER VALLEY/MOBILE

FEBRUARY 1988

TOTAL VOLUME 7524 cu.in.



STREATER LAYOUT

GECO INC

180ch. 25m groups

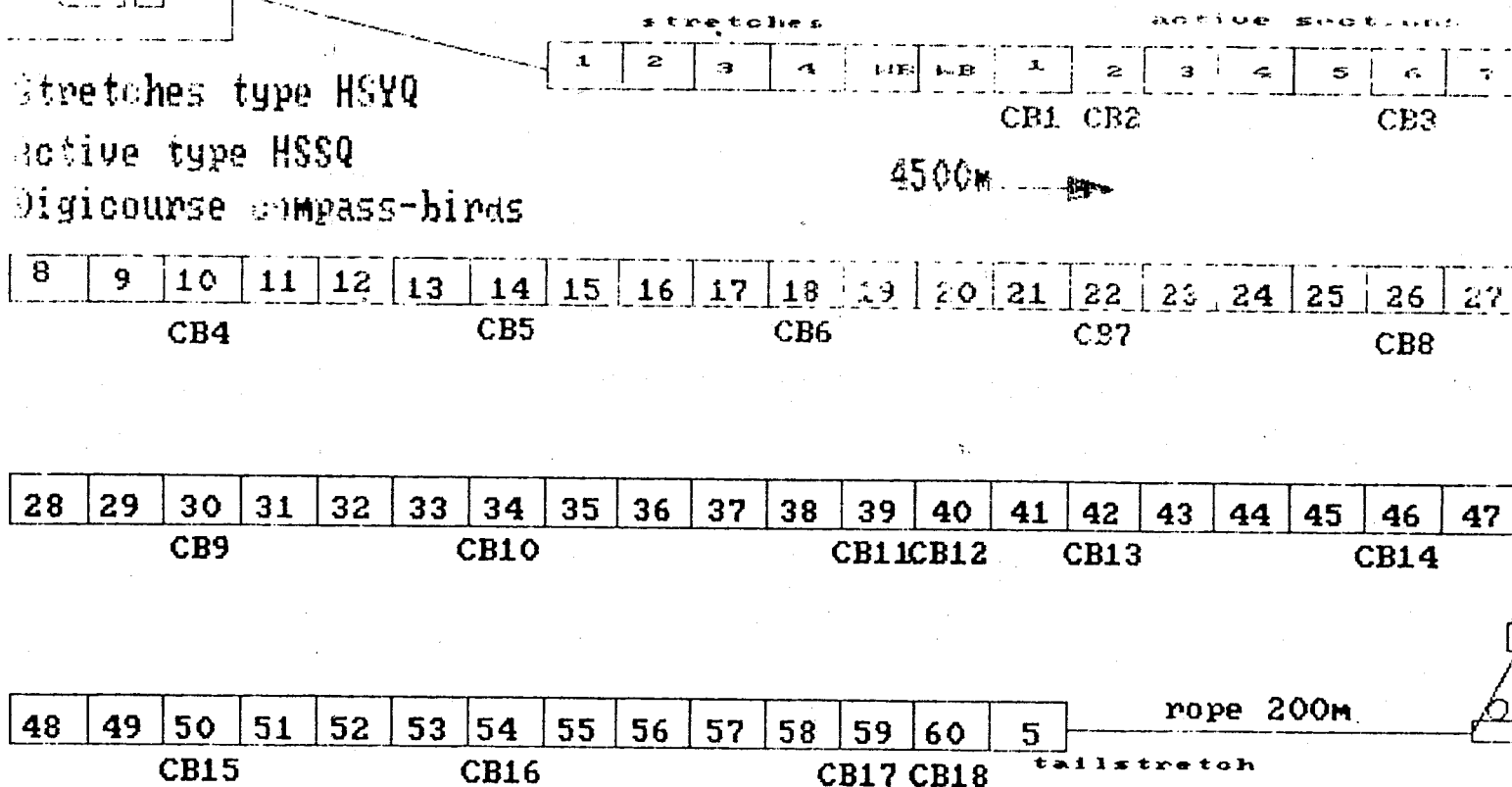
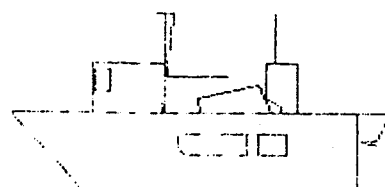
JOB NO.: 6785

VESSEL: SEA SEARCHER

CLIENT: L.S. UNIVERSITY

FEBRUARY 1988

AREA: ATWATER VALLEY/MOBILE



CB=compassbird

OPERATORS LOG / II

Client		Job No.		Area		Line		Dir.		Date	
Sea Searcher		LSU		6785		chandeleur		LSU-1		800	
										15 Feb -88	

REMARKS:

Dead traces: 13, 69, 84, 91, 141, 110
 Noisy traces: 1
 Streamer depth: 10 m
 Trace 10 - occasionally spikes
 Off ~~20 m~~

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
1	1	9998			FF	Noise strip
		9999				— " —
		1	1	0939		FSP SOL
		74	74		LF	FILE 65 LOST ON DMX !
2	2	75	75		FF	
		154	154		LF	Recorded 90 traces only
3	3	155	155		FF	
		234	234		LF	Recorded 90 traces only
4	1	235	235		FF	
		313	313		LF	
5	2	314	314		FF	
		369				Low scan 1484/1516
		370				— " — 160/187
		392	392		LF	

OPERATORS LOG / II

Operator <i>Saarcher</i>	Client <i>LSU</i>	Job No. <i>6785</i>	Area <i>Chandeleur</i>	Line <i>LSU-1</i>	Dir. <i>000</i>	Date <i>15 Feb -88</i>
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REMARKS:

Sp 630 streamer dived to 10.5m due to swell.

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
6	3	393	393	1153	FF	
		471	471		LF	
7	1	472	472		FF	<i>Lost SP 477 and file 477 by DMX.</i>
						<i>LOST FILE 501 ON DMX.</i>
		553	553		LF	<i>LOST FILE 528 ON DMX.</i>
8	2	554	554		FF	
		565	566			<i>LOST SP 565</i> <i>LAST GOOD SP</i> 580
		633	634		LF	<i>LOST FILE 610 ON DMX</i>
9	3	634	635		FF	
		674	675			<i>LOST SP 674</i>
						<i>LAST GOOD SP 580</i> <i>TIME: 1254</i>
						<i>STOPPED DUE TO NAV. PROBLEMS</i>

OPERATORS LOG / II

		Client	Job No.	Area	Line	Dir.	Date
SEA SEARCHER		LSU	6785	CHANDELEUR	LSU-1001	000'	15-2-88
REMARKS: Noisy braces: 1, 10 (occasionally spikes) Streamer depth 10.5m							
DEAD TRACES: 13, 69, 84, 91, 110, 141, 170, 179							
REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS	
9	1	9998			FF	Noise strip	
		9999				" "	
		536	536	1648		FSP of overlap	
		544				Misfire	
		545		1652		Misfire STB 2 array off. New. vol.	
		590				" "	
		610	610	1717		All guns back again.	
		612	612		LF		
10	2	613	613		FF		
		691	691		LF		
11	III	692	692		FF		
		770	770		LF		
12	I	771	771		FF		
		849	849		LF		

Last 30' of overlap
time 1745

580

OPERATORS LOG / II

Client

Job No.

Area

Line

Dir.

Date

SEA SEARCHER

LSU

6785

CHANDELIER

LSU-1001

000°

15.02.88

REMARKS:

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
13	II	850	850		FF	FILE 873 NOT RECORDED
		929	929		LF	
14	III	930	930		FF	FROM SP 950 OCCASIONALLY SWELL NOISE
		1008	1008		LF	SP 1058 Trace 22 terminated
15	I	1009	1009		FF	
		1087	1087		LF	
16	II	1088	1088		FF	
		1166	1166		LF	
17	III	1167	1167		FF	FROM SP 1178 STREAMER DEPTH: 11m
		1245	1245		LF	
18	I	1246	1246		FF	DEF ARRAY P3 DATED AIRLENK GMT: 2120-SP/257
		1250	1250	2117		LAST GOOD SP 1250 GMT: 2117
		1261	1261		LF	

OPERATORS LOG / II

SEA SEARCHER	Client LSU	Job No. 6785	Area CHANDELEUR	Line LSU-2001	Dir. 000	Date 16. FEB. 19
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REMARKS:

DEAD TRACES: 13, 22, 69, 84, 91, 110, 141, 170, 177, 160, 1168 OCCASIONALLY SWELL NOISE
 Noisy - 11, 1, 10

Offset: 221m
 Streamer depth: 11m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF/ LF	REMARKS
19	I	1205			FF	Noise
		1206	1206	0342		FSP OVERLAP
		1210	1210	0343		SP 1210 OFF ARRAY P4 NEW VOL: 6270 Cu in
		1251	1251	0358		FIRST GOOD SP.
		1266	1266	0404		ARRAY P4 IN AGAIN: NEW VOL 7524 Cu in
		1283	1283		LF	
20	II	1284	1284		FF	
		1362	1362		LF	
21	III	1363	1363		FF	FILE 1368 NOT RECORDED ✓
		1442	1442		LF	
22	I	1443	1443		FF	FILE NO 1477 NOT RECORDED
		1522	1522		LF	
23	II	1523	1523		FF	
		1601	1601		LF	

OPERATORS LOG / II

SEA SEARCHER	Client LSU	Job No. 6785	Area CHANDELEUR	Line LSU-2001	Dir. 000	Date 16. FEB. 19
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REMARKS:

DEAD TRACES:

Offset: 221m
Streamerdepth: 11m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
24	3	1602	1602		FF	
		1681	1681		LF	Lost FILE 1651 ON DMX
25	1	1682	1682		FF	
		1760	1760		LF	
26	2	1761	1761		FF	
		1839	1839		LF	
27	3	1840	1840		FF	
		1918	1918		LF	
28	1	1919	1919		FF	
		1998	1998		LF	Lost FILE 1986 ON DMX
29	2	1999	1999		FF	
		2077	2077		LF	

OPERATORS LOG / II

SEA SEARCHER

Client

LSU

Job No.

6785

Area

CHANDELEUR

Line

LSU-2001

Dir.

000

Date

16. FEB. 1988

REMARKS:

DEAD TRACES:

*Occasionally swell noise*Offset: 221m
Streamerdepth: 11m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
30	3	2078	2078		FF	
		2156	2156		LF	
31	1	2157	2157		FF	
		2235	2235		LF	
32	2	2236	2236		FF	
		2314	2314		LF	
33	3	2315	2315		FF	
		2393	2393		LF	
34	1	2394	2394		FF	LOST FILE 2397 ON DMX
		2475	2475		LF	LOST FILE 2434 ON DMX
35	2	2476	2476		FF	
		2554	2554		LF	

OPERATORS LOG / II

SEA SEARCHER	Client LSU	Job No. 6785	Area CHANDELEUR	Line LSU- 001	Dir. 000	Date 16 FEB. 198
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REMARKS:

DEAD TRACES:

Offset: 221m
Streamerdepth:

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
36	3	2555	2555		FF	
		2633	2633		LF	
37	1	2634	2634		FF	Ship noise from astern 3-4u B
		2713	2713		LF	Lost file 2684 on DMX
38	2	2714	2714		FF	Ship noise gone
		2792	2792		LF	Seismic interference from astern from sp 2775 18-29x13
39	3	2793	2793		FF	
		2820	2820	1256	LF	LINE STOPPED - due to ship noise
		2834 MISSING #1				SP's 2821 to 2833 Lost (13 sp's)
40	1	2835	2834	1301	FF	Restarted line, (Reel was reel no. 39 instead of reel no. 40)
			2890			Ship noise gone Seismic interference gone
			2902			Ship noise gone again Seismic int started
		2913	2912		LF	again

OPERATORS LOG / II

	Client	Job No.	Area	Line	Dir.	Date
SEA SEARCHER	LSU	6785	CHANDELEUR	LSU-2001	000	16 FEB. 1988

REMARKS:

DEAD TRACES:

Offset: 221m
Streamerdepth:

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
41	2	2914	2913		FF	<i>Seismic interference from astern 20-25µB</i>
		2992	2991		LF	
42	3	2993	2992		FF	
		3071	3070		LF	
43	1	3072	3071		FF	<i>Seismic interference from astern 18-22µB</i>
						<i>LOST FILE 3087 9N DMX</i>
			3130			<i>Seismic interference from astern 14-18µB</i>
		3141	3140		LF	
44	2	3142	3141		FF	
		3230	3229		LF	
45	3	3231	3230		FF	
		3309	3308		LF	

OPERATORS LOG / II

SEA SEARCHER	Client LSU	Job No. 6785	Area CHANDELEUR	Line LSU- 2001	Dir. 000	Date 16. FEB. 1988
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REMARKS:

DEAD TRACES:

Offset: 221m
Streamerdepth:

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
46	1	3316	3389		FF	<i>Steps. Seismic int. less than 6pB, decreasing slowly</i>
		3388	3387		LF	
47	2	3389	3388		FF	
		3467	3466		LF	
48	3	3468	3467		FF	
		3546	3545		LF	
49	1	3547	3546		FF	
		3625	3624		LF	
50	2	3626	3625	*	FF	<i>Lost sp. 3664 (No closure received from NAV.)</i>
		3665	3665			
		3704	3704		LF	
51	III	3705	3705		FF	
		3783	3783		LF	

OPERATORS LOG / II

SEA SEARCHER	Client	Job No.	Area	Line	Dir.	Date
SEA SEARCHER	LSU	6785	CHANDELEUR	LSU- 2001	000	16 FEB. 1982

REMARKS:

DEAD TRACES:

 Offset: 221m
 Streamerdepth: 11m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
52	I	3784	3784		FF	
		3862	3862		LF	
53	II	3863	3863		FF	
		3941	3941			
54	III	3942	3942		FF	
		4021	4022		LF	SP 3961 LOST, FILE 3975 NOT RECORDED
55	I	4022	4023		FF	SP 4093 LOST. FILE 4096 NO EXT. HEADER
		4100	4102		LF	
56	II	4101	4103		FF	
		4179	4181		LF	
57	III	4180	4182		FF	SP 4239 LOST SP.
		4258	4260		LF	
			4261			

OPERATORS LOG / II

SEA SEARCHER

Client

LSU

Job No.

6785

Area

CHANDELEUR

Line

LSU-2001

Dir.

000°

Date

16 FEB. 1988

REMARKS:

DEAD TRACES:

Offset: 221m
Streamer depth: 11m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
58	I	4259	4262		FF	} SAME SP. NO. DU TO UPDATE ON NAV. (X)
		4317	4320			
		4318	4320			
		4337	4339		LF	
59	II	4338	4340		FF	OFF ARRAY P2 NEW VOL. 6270 CU IN FEEDBACK ARRAY P2 IN AGAIN VOL 7524 CU IN
		4353	4355	2152		
		4396	4398	2206		
		4416	4418		LF	
60	III	4417	4419		FF	
		4495	4497		LF	
61	I	4496	4498		FF	LOST SP 4522 DUE TO NAV. SIGNALS
		4519		2247		
		4574	4577		LF	

OPERATORS LOG / II

SEA SEARCHER	Client LSU	Job No. 6785	Area CHANDELEUR	Line LSU-2 001	Dir. 000°	Date 16 FEB. 1988
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REMARKS:

DEAD TRACES:

Offset: 221m
Streamerdepth: //

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
62	II	4575	4578		FF	
		4653	4656		LF	
63	III	4654	4657		FF	
		4732	4735		LF	
64	I	4733	4736		FF	LAST SP
			4741	2400		LAST SP OF DAY
		4811	4814		LF	
65	II	4812	4815		FF	↑ SP 4800 STARTED DEVIATING FROM LINE DUE TO RIGS
		4890	4893		LF	
66	III	4891	4894		FF	
		4927	4930			MAX DEVIATION TO PORT: 349m
		4969	4972		LF	

OPERATORS LOG / II

SEA SEARCHER	Client LSU	Job No. 6785	Area CHANDELEUR	Line LSU-2001	Dir. 000°	Date 17 FEB. 1988
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REMARKS:

DEAD TRACES:

Offset: 221m
Streamerdepth: 11m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
67	I	4970	4973		FF	TERMINATED TRACE 51.81 GMT: 0125
		5048	5051		LF	
68	II	5049	5052		FF	ON LINE AFTER DEVIATION SP 5080.
		5099				NOT RECORDED
		5128	5131		LF	
69	III	5129	5132		FF	FILE 5178 NOT RECORDED
		5208	5211		LF	*5222 5202.12
70	I	5209	5212		FF	SP 5022 START DEVIAT TO STOR. D.T. RIG.
		5288	5291		LF	FILE 5248 NOT RECORDED
71	II	5289	5292		FF	SP 5360 MAX. DEVIATION FROM LINE 1300 m
		5367	5370			
72	III	5368	5371		FF	
		5446	5449			

OPERATORS LOG / II

SEA SEARCHER

Client

LSU

Job No.

6785

Area

CHANDELEUR

Line

LSU-2001

Dir.

000^c

Date

17 FEB. 1988

REMARKS:

DEAD TRACES:

Offset: 221m
Streamer depth: 11m*Occasionally wire spikes on trace 34*

REEL

DECK

RECORD

SP NO.

TIME
GMT#F/
LF

REMARKS

73

F

5447

5450

FF

SP 5470 TRACE #135 TERMINATED

5525

5528

LF

SP 5500 BACK ON LINE. ✓

74

II

5526

5529

FF

SP 5586 TRACE #135 BACK ON

5604

5607

LF

75

III

5605

5608

FF

SP 5686 TRACE #153 TERMINATED

5683

5686

LF

76

I

5684

5687

FF

FILE 5702 NOT RECORDED ✓

5763

5766

LF

~~5842~~

77

II

5764

5767

FF

5842

5845

LF

78

III

5843

5846

FF

5921

5924

OPERATORS LOG / II

SEA SEARCHER	Client LSU	Job No. 6785	Area CHANDELEUR	Line LSU-2001	Dir. 000	Date 17 FEB. 1988
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REMARKS:

DEAD TRACES:

Offset: 221m
Streamerdepth: 11m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF/ LF	REMARKS
79	1	5922	5925		FF	
		6000	6003		LF	
80	2	6001	6004		FF	LOST FILE 6053 ON DMX ✓
		6080	6083		LF	
81	3	6081	6084		FF	
		6159	6162		LF	
82	1	6160	6163		FF	LOST FILE 6198 ON DMX ✓
		6239	6242		LF	
83	2	6240	6243		FF	
		6318	6321		LF	
84	3	6319	6322		FF	
		6397	6400		LF	

OPERATORS LOG / II

SEA SEARCHER	Client	Job No.	Area	Line	Dir.	Date
SEA SEARCHER	LSU	6785	CHANDELEUR	LSU-2001	000	17 FEB. 198

REMARKS:

DEAD TRACES:

 Offset: 221m
 Streamer depth: 11m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF / LF	REMARKS
85	1	6398	6401		FF	
		6476	6479		LF	
86	2	6477	6480		FF	LOST FILE 6489 ON DMX ✓
		6557	6560		LF	—— " - 6493 —— " —— ✓
87	3	6558	6561		FF	
		6636	6638		LF	
88	1	6637	6640		FF	
		6715	6718		LF	
89	2	6716	6719		FF	
		6794	6797		LF	
90	3	6795	6798		FF	Streamer depth changed to 9m
		6873	6876		LF	

OPERATORS LOG / II

SEA SEARCHER	Client LSU	Job No. 6785	Area CHANDELEUR	Line LSU-2001	Dir. 000	Date 17 FEB. 1988
REMARKS:						

REMARKS:

DEAD TRACES:

Offset: 221m

Streamerdepth: 9m

[illegible]