

MARINE SURVEY

Observers log -General Information

Ship:- M/V GECO MY Client:- L.S.U. Date:28-05-88
Prospect:E./ W. CAMERON/GARDEN BANKS/K.CANYON Line No.:LINE-B
Line heading:184.6 Party Chief:- J.Steel

SEISMIC INSTRUMENTS:

TYPE:DSS/DFSV
FILTERS:HI-CUT:64 Hz SLOPE:72dB/OCTAVE
 LO-CUT:5.3Hz SLOPE:18dB/OCTAVE
GAIN CONSTANT:24dB
DSS SENSITIVITY:25 microVOLTS/microBAR

RECORDING PARAMETERS:

NO.CHANNELS:180
SAMPLE RATE:4ms.
RECORD LENGTH:16sec.
S.P. INTERVAL:50m.
GROUP INTERVAL:25m.
AUX.CHANNELS:4
EXT.HEADER GECO EHLDS

RECORDING INSTRUMENTS:

ND-100/CX
TAPE FORMAT:SEG D 8015

STREAMER:

TYPE:GX 600:ACTIVE CABLE LENGTH 4500m. TOWING CABLE LENGTH:5050m.
NO. OF ACTIVE SECTIONS:60 LENGTH OF ACTIVE SECTION:75m.
HYDROPHONES IN SECTION:120 LENGTH OF ISOLATOR SECTION:
CABLE DEPTH:10(+/-2)m. i.e.STRETCH:50m.
DEPTH & COMPASSES:IN RCL-4C BIRDS.

NAVIGATION:

PRIMARY: LORAN-C
SECONDARY: SAT.NAV
SONAR DOPPLER: NO

SEISMIC ENERGY SOURCE:

TYPE: BOLT AIRGUNS
ARRAY WIDTH:30m.
ARRAY LENGTH:57.5m.
PRESSURE: 2000 P.S.I.
DEPTH:7.5(+/-1)m.
(SEE ATT.DIAGRAM FOR DETAIL)

MONITOR CAMERA TRACES.

Data channels : 1 - 60
Aux channels : 61- 64
Time Break : 61
Water Break : 62
Record No. : 63
100 Hz (Ref) : 64

ADDITIONAL INFORMATION.

Offset : centre source to centre first group : 232 Metres
Sat.Nav Ant. to centre of source : 138 Metres
Add 7 Metres to fathometer readings for correct water depth.

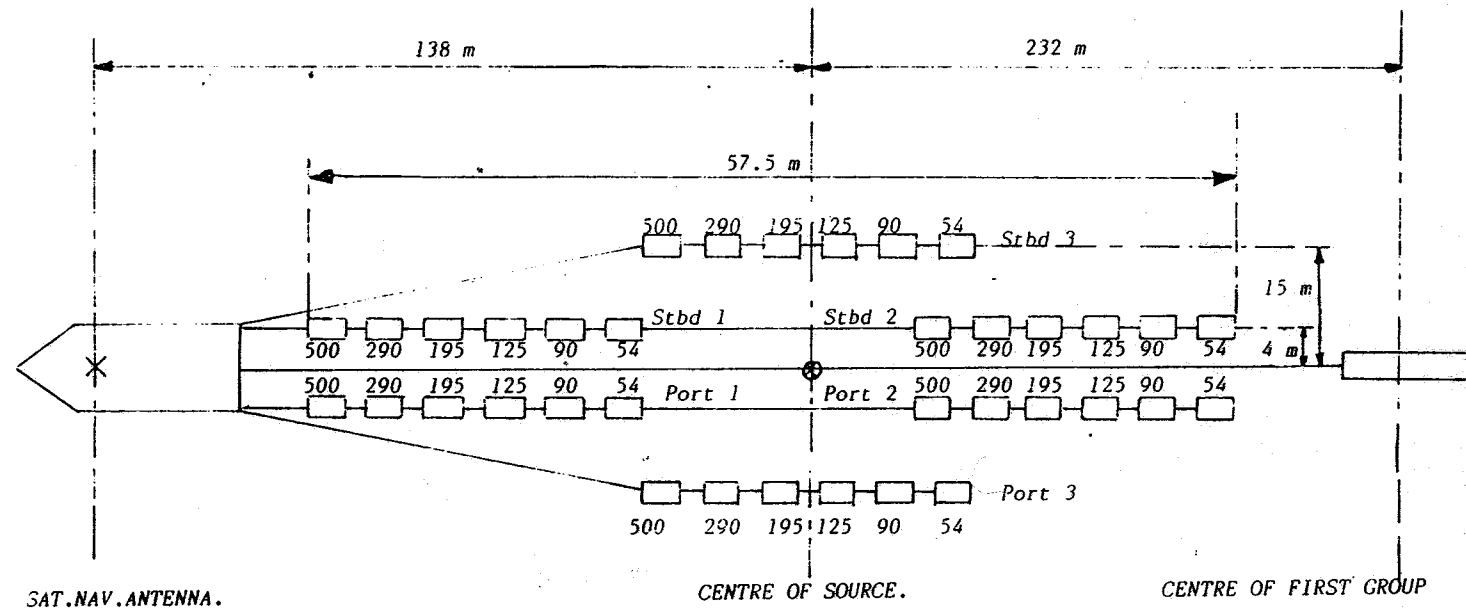
-F.				
LEAD-IN/WB		HSFUQ L-062	029(NU GOOD)	69m out
STR 1		HSYQ L-221 BOLT TAPED	SOM HOSE	2xVBFL
STR 2		HSYQ 388-769-03	RCL4 B1	1xVBFL
STR 3		HSYQ L-217		2xVBFL
STR 4		HSYQ L-185	RCL4 B2	2xVBFL 1xVBFL
WB 2		HSFWQ L-043	087	
ACT 1	2	HSSQ L-260	078 B3	VBFL 1-3
ACT 2	2	HSSQ 186-656-2	(003)	4-6
ACT 3	2	HSSQ L-242	(023)	7-9
WB 3		HSFWQ L-041	101	
ACT 4	2	HSSQ 1183-399-03	NONE(SPARE PAIRED)	10-12
ACT 5	2	HSSQ L-258	(065)	13-15
ACT 6	2	HSSQ 985-594-4	(021) B4	BFL 16-18
ACT 7	2	HSSQ 985-592-10	005	19-21
ACT 8	2	HSSQ L-243	091	22-24
ACT 9	2	HSSQ 985-598-8	(041)	25-27
ACT 10	2	HSSQ 1185-620-09	(014)	28-30
ACT 11	2	HSSQ L-285	015	31-33
ACT 12	2	HSSQ 1184-494-09	(092) B5	BFL 34-36
ACT 13	2	HSSQ 887-732-10	045	37-39
ACT 14	2	HSSQ L-091	032	40-42
ACT 15	2	HSSQ L-170		43-45
ACT 16	2	HSSQ 985-590-3	055	46-48
ACT 17	2	HSSQ 388-768-08	076 B6	VBFL 49-51
ACT 18	2	HSSQ 485-550-2	(023)	52-54
ACT 19	2	HSSQ 186-658-3	079	55-57
ACT 20	2	HSSQ 385-529-9	(090)	58-60
ACT 21	2	HSSQ 985-592-2	062	61-63
ACT 22	2	HSSQ 184-424-31	075	64-66
ACT 23	2	HSSQ 985-593-1	120 B7	VBFL 67-69
ACT 24	2	HSSQ 1185-632-10	092	70-72
ACT 25	2	HSSQ 385-527-1	014	73-75
ACT 26	2	HSSQ 185-517-15	021	76-78
ACT 27	2	HSSQ 187-700-03	109	79-81
ACT 28	2	HSSQ 787-723-04	090 B8	VBFL 82-84
ACT 29	2	HSSQ L-160	020	85-87
ACT 30	2	HSSQ L-142	068	88-90
ACT 31	2	HSSQ 586-679-12	124	91-93
ACT 32	2	HSSQ 583-323-43	105	94-96
ACT 33	2	HSSQ 385-537-06	113 B9	VBFL 97-99
ACT 34	2	HSSQ 187-695-01	NONE	100-102
ACT 35	2	HSSQ L-259	027	103-105
ACT 36	2	HSSQ L-104	036	106-108
ACT 37	2	HSSQ 1185-631-08	084	109-111
ACT 38	2	HSSQ 385-537-8	021 B10	VBFL 112-114
ACT 39	2	HSSQ 1185-630-08	114	115-117
ACT 40	2	HSSQ L-072	046	118-120
ACT 41	2	HSSQ L-284	025	121-123
ACT 42	2	HSSQ 985-590-9	103	124-126
ACT 43	2	HSSQ 883-359-36	118	127-129
ACT 44	2	HSSQ 385-537-5	112 B11	VBFL 130-132
ACT 45	2	HSSQ L-047	(003)	133-135
ACT 46	2	HSSQ 1185-631-2	078	136-138
ACT 47	2	HSSQ 385-531-4	066	139-141
ACT 48	2	HSSQ 985-597-6	(065)	142-144
ACT 49	2	HSSQ 185-517-2	(063) B12	VBFL 145-147
ACT 50	2	HSSQ 385-529-7	086	148-150
ACT 51	2	HSSQ L-256	030	151-153
ACT 52	2	HSSQ L-055	017	154-156
ACT 53	2	HSSQ 883-359-15	014	157-159
ACT 54	2	HSSQ 1185-630-7	113 B13	VBFL 160-162
ACT 55	2	HSSQ 985-600-03	090	163-165
ACT 56	2	HSSQ 488-775-04	060	166-168
ACT 57	2	HSSQ 587-710-04	039 B14	VBFL 169-171
ACT 58	2	HSSQ 1185-629-01	022	172-174
ACT 59	2	HSSQ 488-775-03	056	175-177
ACT 60	2	HSSQ 385-538-10	118 B15	VBFL 178-180
TSTR		HSYQ 288-763-05		

GECO COMPACT POINT SOURCE ARRAY



VESSEL: H.V. GECO MY
 CLIENT: LOUISIANA STATE UNIVERSITY
 DATE:

LINE No:
 JOB No: 06812



DISTANCE SAT.NAV.ANTENNA TO CENTRE OF SOURCE = 138 m
 DISTANCE CENTRE OF SOURCE TO CENTRE OF FIRST GROUP = 232 m

TOTAL VOLUME = 7524 cu.in.
 TOTAL No OF ARRAYS = 6

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GECO

SHIP	Client	Job No.	Area	Line	Dir.	Date
GECO MY	LOUISIANA STATE UNIVERSITY	6812	EAST CAMERON	LINE-B	184.6°	28 MAY 1988

REMARKS: WIND: SE FORCE 5. CABLE DEPTH: 10m. CH# 135,167 OUT @ SOL.
SEA-STATE: 1-8m. GUN VOL: 7524 cu.in. TOTAL OFFSET: 370m

REEL	DECK	RECORD	SP NO.	TIME GMT	FF/LF	REMARKS	DEPTH (m)	F/A
25491	1	9999	-		FF	NOISE RECORDS 3-2µB REF.		
		9998	-					
		9997	-					
		9996	-					
		8559	8559	20.16	FSP	START OF LINE. (EPC NOT WORKING)	13	5' STD
		8539	8539			EPC O.K.		
		8451	8451			DFS 1 HDR. LOSS (EVENT 23)		
		8444	8444		LF	ONLY 90 TRACES RECORDED (SHORT RECORD)		
25492	2	8443	8443	20.53	FF		15	5' STD
		8420	8420			DFS 1 HDR. LOSS (DMUX RESET TO 110 FILES/TAPE)		
		8333	8333		LF			
25493	3	8332	8332	21.29	FF		17	6' STD
		8289	8289			DFS 1 HDR. LOSS (DMUX RESET TO CORRECT DAY + TIME)		
		8222	8222		LF			
25494	1	8221	8221	22.05	FF		18	6' STD
		8132	8132			HDR EVENT 23		
		8111	8111		LF			
25495	2	8110	8110	22.43	FF		18	6' STD

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OPERATORS LOG / II

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GECO

SHIP GECO MY	Client LOUISIANA STATE UNIVERSITY	Job No. 6812	Area GPB CAMERON	Line LINE B	Dir. 184.6°	Date 28 MAY 88 (29)		
REMARKS: WIND: SE. S SEA: 2M								
REEL	DECK	RECORD	SP NO.	TIME GMT	FF/LF	REMARKS	DEPTH (M)	F/A
25495	2	8001	8001		LF			
25496	3	8000	8000	23:22	FF		17m	4° STB
		7891	7891		LF	MIDNIGHT S.P.		
25497	1	7890	7890		FF		19	5° STB
		7812	7812			DFS1 HDR. LOSS		
		7796	7796			P2 ARRAY MISFIRE		
		7795	7795			" " " (AIR LEAK)		
		7794	7794	00:33		P2 ARRAY SWITCHED OFF. TOTAL VOL: 6270 cu. in.		
		7793	7793			} GUNS OFF TO RESTORE AIR PRESSURE		
		7792	7792					
		7791	7791			AUTOFIRE ON RECORDS FROM MANUAL FIRING. (BAD FILE)		
		7790	7790			PRESSURE O.K. FILE O.K.		
		7780	7780		LF			
25498	2	7779	7779	00:39	FF		20	8° STB
		7670	7670		LF			
25499	3	7669	7669	01:17	FF		23	9° STB
		7628				NDR (NO DATA RECORDED)		

GECO

SHIP GECO MY	Client LOUISIANA STATE UNIVERSITY	Job No. 6812	Area EAST CAMERON	Line LINE - B	Dir. 184-6'	Date 29 MAY 1988		
REMARKS: WIND: SE FS SEA-STATE: 2m.								
REEL	DECK	RECORD	SP NO.	TIME GMT	FF/LF	REMARKS	DEPTH (m)	F/A
25499	3	7628	7627			FILE O.K.		
		—	7564			NDR		
		7565	7563			FILE O.K.		
		7560	7558		LF			
25500	1	7559	7557	01.56	FF		25	11' 5.8m
		7450	7448		LF			
25501	2	7449	7447	02.35	FF		28	10' 5.8m
		7340	7338		LF			
25502	3	7339	7337	03.13	FF		29	6' 5.8m
		7279	7277			HDR DATA LOST		
		—	7259			NDR		
		7261	7258			FILE O.K.		
		7229	7226		LF			
25503	1	7228	7225	03.53	FF		30	6' 5.8m
		7195	7192			AIR LOCK, PIG2		
		7193	7190			PIG2 OFF		
		7191	7188			PI ARRAY OFF		
		7187	7184			PI ARRAY ON, PIG2 OFF (5980 IN ³)		

GECO

SHIP GECO HY		Client LOUISIANA STATE UNIVERSITY		Job No. 6812	Area EAST CAMERON	Line LINE-B	Dir. 184.6°	Date 29 MAY 88
REMARKS: WIND: SE 4/5 SEA: 2M. * LGSP 6858 *								
REEL	DECK	RECORD	SP NO.	TIME GMT	FF/LF	REMARKS	DEPTH (m)	F/A
25503/	1	7176	7175			HDR LOT		
		7177	7174			FILE OK		
		7118	7115		LF			
25504	2	7117	7114	04:34	FF		39	4°S
		-	7008			NDR.		
		7007	7003		LF			
25505	3	7006	7002	05-14	FF		41	4°S.
		-	6974			NDR.		
		6896	6891		LF			
25506	1	6895	6890	05-54	FF		46.	5°S.
		6863	6858	06-06		STARTING TO DEMATE OFF LINE.		
		6855	6850				48	5°S.
		6800	6795			AIR LEAK P3 ARRAY.		
		6795	6790			P3 ARRAY OUT LOW PRESSURE.		
		6790	6785	06-32	LSP.	LINE ABORTED.		
		6789	-			} NOISE RECORDS.		
		6788	-					
		6787	-					
		6786	-					

LINE NO.....LINE - BSOLE@20.16/28-MAY-88EOL@06.32/29-MAY-88
 85 4 1 REELNO 25491 FF: 9999 LF: 8444 FSP: 8559 LSP: 8444 LINE: LINE B
 85 4 1 REELNO 25492 FF: 8443 LF: 8333 FSP: 8443 LSP: 8333 LINE: LINE B
 88 528 REELNO 25493 FF: 8332 LF: 8222 FSP: 8332 LSP: 8222 LINE: LINE B
 88 528 REELNO 25494 FF: 8221 LF: 8111 FSP: 8221 LSP: 8111 LINE: LINE B
 88 528 REELNO 25495 FF: 8110 LF: 8001 FSP: 8110 LSP: 8001 LINE: LINE B
 88 529 REELNO 25496 FF: 8000 LF: 7891 FSP: 8000 LSP: 7891 LINE: LINE B
 88 529 REELNO 25497 FF: 7890 LF: 7780 FSP: 7890 LSP: 7780 LINE: LINE B
 88 529 REELNO 25498 FF: 7779 LF: 7670 FSP: 7779 LSP: 7670 LINE: LINE B
 88 529 REELNO 25499 FF: 7669 LF: 7560 FSP: 7669 LSP: 7558 LINE: LINE B
 88 529 REELNO 25500 FF: 7559 LF: 7450 FSP: 7557 LSP: 7448 LINE: LINE B
 88 529 REELNO 25501 FF: 7449 LF: 7340 FSP: 7447 LSP: 7338 LINE: LINE B
 88 529 REELNO 25502 FF: 7339 LF: 7229 FSP: 7337 LSP: 7226 LINE: LINE B
 88 529 REELNO 25503 FF: 7228 LF: 7118 FSP: 7225 LSP: 7115 LINE: LINE B
 88 529 REELNO 25504 FF: 7117 LF: 7007 FSP: 7114 LSP: 7004 LINE: LINE B
 88 529 REELNO 25505 FF: 7006 LF: 6896 FSP: 7003 LSP: 6891 LINE: LINE B
 88 529 REELNO 25506 FF: 6895 LF: 6786 FSP: 6890 LSP: 6785 LINE: LINE B

MARINE SURVEY

Observers log -General Information

Ship:- M/V GECO MY Client:- L.S.U. Date:29/30-05-88
Prospect:E./ W. CAMERON/GARDEN BANKS/K.CANYON Line No.:LINE-B2
Line heading:184.6 Party Chief:- J.Steel

SEISMIC INSTRUMENTS:

TYPE:DSS/DFSV
FILTERS:HI-CUT:64 Hz SLOPE:72dB/OCTAVE
 LO-CUT:5.3Hz SLOPE:18dB/OCTAVE
GAIN CONSTANT:24dB
DSS SENSITIVITY:25 microVOLTS/microBAR

RECORDING PARAMETERS:

NO.CHANNELS:180
SAMPLE RATE:4ms.
RECORD LENGTH:16sec.
S.P.INTERVAL:50m.
GROUP INTERVAL:25m.
AUX.CHANNELS:4
EXT.HEADER GECO EHLDS

RECORDING INSTRUMENTS:

ND-100/CX
TAPE FORMAT:SEG D 8015

STREAMER:

TYPE:GX 600:ACTIVE CABLE LENGTH 4500m. TOWING CABLE LENGTH:5050m.
NO. OF ACTIVE SECTIONS:60 LENGTH OF ACTIVE SECTION:75m.
HYDROPHONES IN SECTION:120 LENGTH OF ISOLATOR SECTION:
CABLE DEPTH:10(+/-2)m. i.e.STRETCH:50m.
DEPTH & COMPASSES:IN RCL-4C BIRDS.

NAVIGATION:

PRIMARY: LORAN-C
SECONDARY: SAT.NAV
SONAR DOPPLER: NO

SEISMIC ENERGY SOURCE:

TYPE: BOLT AIRGUNS
ARRAY WIDTH:30m.
ARRAY LENGTH:57.5m.
PRESSURE: 2000 P.S.I.
DEPTH:7.5(+/-1)m.
(SEE ATT.DIAGRAM FOR DETAIL)

MONITOR CAMERA TRACES.

Data channels : 1 - 60
Aux channels : 61- 64
Time Break : 61
Water Break : 62
Record No. : 63
100 Hz (Ref) : 64

ADDITIONAL INFORMATION.

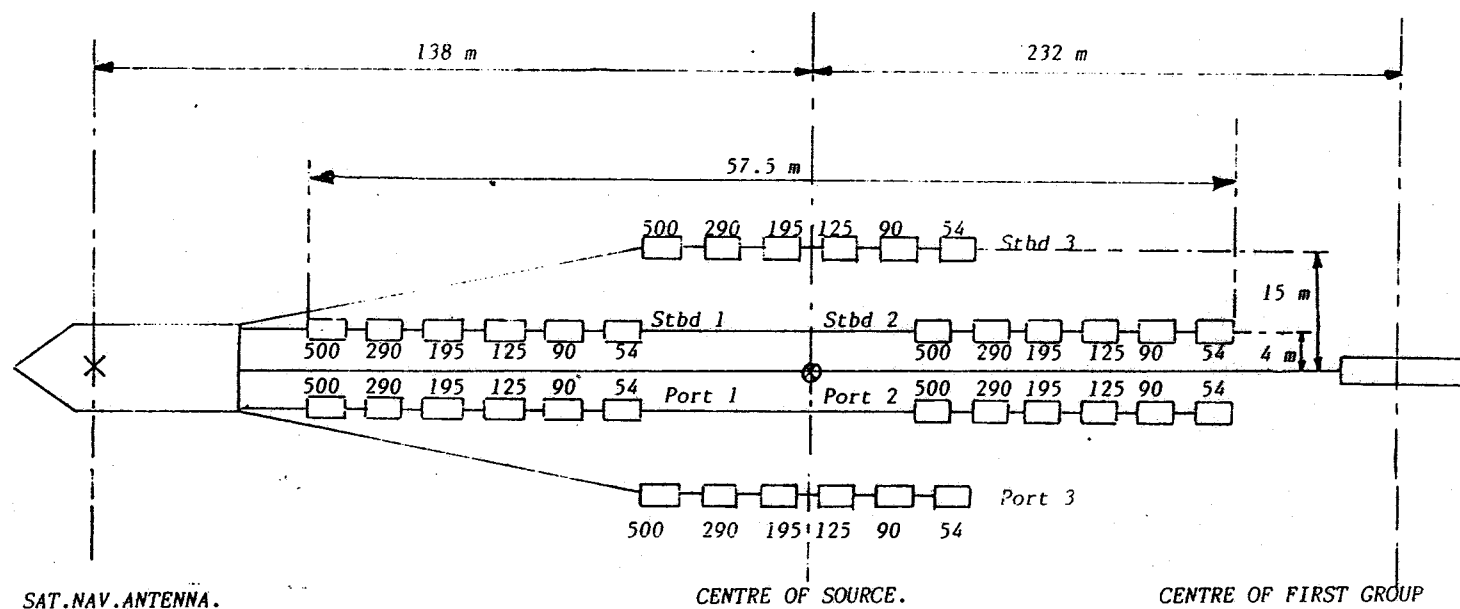
Offset : centre source to centre first group : 232 Metres
 Sat.Nav Ant. to centre of source : 138 Metres
Add 7 Metres to fathometer readings for correct water depth.

LEAD-IN/WB	HSFUR L-062	029(NO GOOD)	69m out
STR 1	HSYQ L-221 BOLT TAPED	SOM HOSE	2xVBFL
STR 2	HSYQ 388-769-03	RCL4 B1	1xVBFL
STR 3	HSYQ L-217		2xVBFL
STR 4	HSYQ L-185	RCL4 B2	2xVBFL1xVBFL
WB 2	HSFWQ L-043	087	
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ACT 2	2 HSSQ 186-656-2	(003)	4-6
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ACT 9	2 HSSQ 985-598-8	(041)	25-27
ACT 10	2 HSSQ 1185-620-09	(014)	28-30
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ACT 19	2 HSSQ 186-658-3	079	55-57
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TSTR	HSYQ 288-763-05		

GECO COMPACT POINT SOURCE ARRAY

VESSEL: M.V. GECO MY
 CLIENT: LOUISIANA STATE UNIVERSITY
 DATE:

LINE No: -
 JOB No: 06812



DISTANCE SAT.NAV.ANTENNA TO CENTRE OF SOURCE = 138 m

DISTANCE CENTRE OF SOURCE TO CENTRE OF FIRST GROUP = 232 m

TOTAL VOLUME = 7524 cu.in.

TOTAL No OF ARRAYS = 6

LINE NO.	REELNO	LINEB2	FF	LF	FSP	LSP	LINE
.....SOL@1917 7/29-MAY-88EQL@0134 7/30-MAY-88							
88 529	25516	FF:	9999	LF:	5942	FSP:	6047 LSP: 5942 LINE: LINEB2
88 529	25517	FF:	5941	LF:	5832	FSP:	5941 LSP: 5832 LINE: LINEB2
88 529	25518	FF:	5831	LF:	5722	FSP:	5831 LSP: 5721 LINE: LINEB2
88 529	25519	FF:	5721	LF:	5612	FSP:	5720 LSP: 5609 LINE: LINEB2
88 529	25520	FF:	5611	LF:	5502	FSP:	5608 LSP: 5499 LINE: LINEB2
88 529	25521	FF:	5501	LF:	5392	FSP:	5498 LSP: 5389 LINE: LINEB2
88 529	25522	FF:	5391	LF:	5282	FSP:	5388 LSP: 5279 LINE: LINEB2
88 530	25523	FF:	5281	LF:	5171	FSP:	5278 LSP: 5168 LINE: LINEB2
88 530	25524	FF:	5170	LF:	5061	FSP:	5167 LSP: 5058 LINE: LINEB2

88 530	25525	FF:	5060	LF:	4951	FSP:	5057 LSP: 4947 LINE: LINEB2
88 530	25526	FF:	4950	LF:	4910	FSP:	4946 LSP: 4910 LINE: LINEB2

MARINE SURVEY

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Line heading:184.6 Party Chief:- J.Steel

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DEPTH & COMPASSES:IN RCL-4C BIRDS.

NAVIGATION:

PRIMARY: LORAN-C
SECONDARY: SAT.NAV
SONAR DOPPLER: NO

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MONITOR CAMERA TRACES.

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100 Hz (Ref) : 64

ADDITIONAL INFORMATION.

Offset : centre source to centre first group : 232 Metres
 Sat.Nav Ant. to centre of source : 138 Metres
Add 7 Metres to fathometer reading for correct water depth.

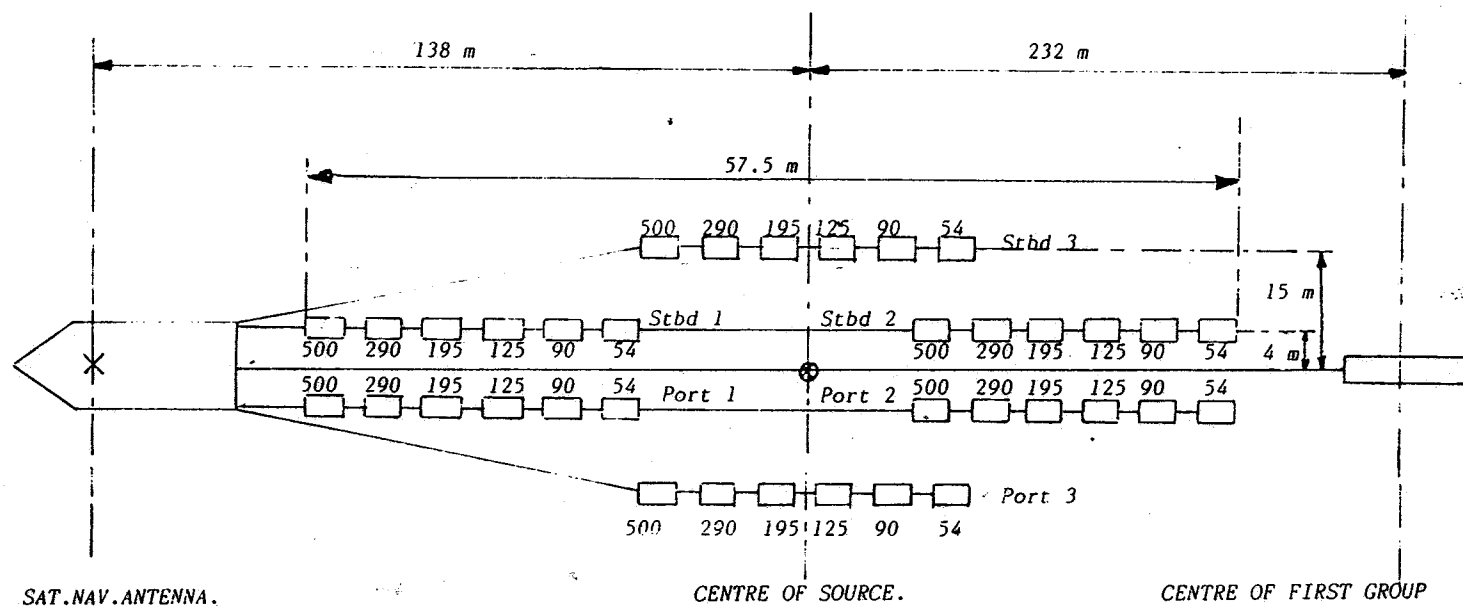
LF.

LEAD-IN/WB	HSFUQ L-062	029(NQ GOOD)	69m out
STR 1	HSYQ L-221 BOLT TAPED	50M HOSE	2xVBFL
STR 2	HSYQ 388-769-03	RCL4 B1	1xVBFL
STR 3	HSYQ L-217		2xVBFL
STR 4	HSYQ L-185	RCL4 B2	2xVBFL1xVBFL
WB 2	HSFWQ L-043	087	
ACT 1	2 HSSQ L-260	078 B3	VBFL 1-3
ACT 2	2 HSSQ 186-656-2	(003)	4-6
ACT 3	2 HSSQ L-242	(023)	7-9
WB 3	HSFWQ L-041	101	
ACT 4	2 HSSQ 1183-399-03	NONE(SPARE PAIRED)	10-12
ACT 5	2 HSSQ L-258	(065)	13-15
ACT 6	2 HSSQ 985-594-4	(021) B4	BFL 16-18
ACT 7	2 HSSQ 985-592-10	005	19-21
ACT 8	2 HSSQ L-243	091	22-24
ACT 9	2 HSSQ 985-598-8	(041)	25-27
ACT 10	2 HSSQ 1185-620-09	(014)	28-30
ACT 11	2 HSSQ L-285	015	31-33
ACT 12	2 HSSQ 1184-494-09	(092) B5	BFL 34-36
ACT 13	2 HSSQ 887-732-10	045	37-39
ACT 14	2 HSSQ L-091	032	40-42
ACT 15	2 HSSQ L-170		43-45
ACT 16	2 HSSQ 985-590-3	055	46-48
ACT 17	2 HSSQ 388-768-08	076 B6	VBFL 49-51
ACT 18	2 HSSQ 485-550-2	(028)	52-54
ACT 19	2 HSSQ 186-658-3	079	55-57
ACT 20	2 HSSQ 385-529-9	(090)	58-60
ACT 21	2 HSSQ 985-592-2	062	61-63
ACT 22	2 HSSQ 184-424-31	075	64-66
ACT 23	2 HSSQ 985-593-1	120 B7	VBFL 67-69
ACT 24	2 HSSQ 1185-632-10	092	70-72
ACT 25	2 HSSQ 385-527-1	014	73-75
ACT 26	2 HSSQ 185-517-15	021	76-78
ACT 27	2 HSSQ 187-700-03	109	79-81
ACT 28	2 HSSQ 787-723-04	090 B8	VBFL 82-84
ACT 29	2 HSSQ L-160	020	85-87
ACT 30	2 HSSQ L-142	068	88-90
ACT 31	2 HSSQ 586-679-12	124	91-93
ACT 32	2 HSSQ 583-323-43	105	94-96
ACT 33	2 HSSQ 385-537-06	113 B9	VBFL 97-99
ACT 34	2 HSSQ 187-695-01	NONE	100-102
ACT 35	2 HSSQ L-259	027	103-105
ACT 36	2 HSSQ L-104	036	106-108
ACT 37	2 HSSQ 1185-631-08	084	109-111
ACT 38	2 HSSQ 385-537-8	021 B10	VBFL 112-114
ACT 39	2 HSSQ 1185-630-08	114	115-117
ACT 40	2 HSSQ L-072	046	118-120
ACT 41	2 HSSQ L-284	025	121-123
ACT 42	2 HSSQ 985-590-9	103	124-126
ACT 43	2 HSSQ 883-359-36	118	127-129
ACT 44	2 HSSQ 385-537-5	112 B11	VBFL 130-132
ACT 45	2 HSSQ L-047	(003)	133-135
ACT 46	2 HSSQ 1185-631-2	078	136-138
ACT 47	2 HSSQ 385-531-4	066	139-141
ACT 48	2 HSSQ 985-597-6	(065)	142-144
ACT 49	2 HSSQ 185-517-2	(063) B12	VBFL 145-147
ACT 50	2 HSSQ 385-529-7	086	148-150
ACT 51	2 HSSQ L-256	030	151-153
ACT 52	2 HSSQ L-055	017	154-156
ACT 53	2 HSSQ 883-359-15	014	157-159
ACT 54	2 HSSQ 1185-630-7	113 B13	VBFL 160-162
ACT 55	2 HSSQ 985-600-03	090	163-165
ACT 56	2 HSSQ 488-775-04	060	166-168
ACT 57	2 HSSQ 587-710-04	039 B14	VBFL 169-171
ACT 58	2 HSSQ 1185-629-01	022	172-174
ACT 59	2 HSSQ 488-775-03	056	175-177
ACT 60	2 HSSQ 385-538-10	118 B15	VBFL 178-180
TSTR	HSYQ 288-763-05		

GECO COMPACT POINT SOURCE ARRAY

VESSEL: M.V. GECO MY
 CLIENT: LOUISIANA STATE UNIVERSITY
 DATE:

LINE No:
 ROE No: 06812



DISTANCE SAT.NAV.ANTENNA TO CENTRE OF SOURCE = 138 m
 DISTANCE CENTRE OF SOURCE TO CENTRE OF FIRST GROUP = 232 m

TOTAL VOLUME = 7524 cu.in.
 TOTAL No OF ARRAYS = 6

LINE NO.....LINE B-1SOLE10.13/29-MAY-88EOL@15.23/29-MAY-88
 88 529 REELNO 25507 FF: 9999 LF: 6815 FSP: 6920 LSP: 6815 LINE: LINEB1
 88 529 REELNO 25508 FF: 6814 LF: 6702 FSP: 6814 LSP: 6702 LINE: LINEB1
 88 529 REELNO 25509 FF: 6701 LF: 6592 FSP: 6701 LSP: 6592 LINE: LINEB1
 88 529 REELNO 25510 FF: 6591 LF: 6482 FSP: 6591 LSP: 6482 LINE: LINEB1
 88 529 REELNO 25511 FF: 6481 LF: 6372 FSP: 6481 LSP: 6372 LINE: LINEB1
 88 529 REELNO 25512 FF: 6371 LF: 6260 FSP: 6371 LSP: 6260 LINE: LINEB1
 88 529 REELNO 25513 FF: 6259 LF: 6150 FSP: 6259 LSP: 6150 LINE: LINEB1
 88 529 REELNO 25514 FF: 6149 LF: 6040 FSP: 6149 LSP: 6040 LINE: LINEB1
 88 529 REELNO 25515 FF: 6039 LF: 5989 FSP: 6039 LSP: 5993 LINE: LINEB1

MARINE SURVEY

Observers log -General Information

Ship:- M/V GECO MY Client:- L.S.U. Date:30-05-88
Prospect:E./ W. CAMERON/GARDEN BANKS/K.CANYON Line No.:LINE-B3
Line heading:184.6 Party Chief:- J.Steel

SEISMIC INSTRUMENTS:

TYPE:DSS/DFSV
FILTERS:HI-CUT:64 Hz SLOPE:72dB/OCTAVE
 LO-CUT:5.3Hz SLOPE:18dB/OCTAVE
GAIN CONSTANT:24dB
DSS SENSITIVITY:25 microVOLTS/microBAR

RECORDING PARAMETERS:

NO.CHANNELS:180
SAMPLE RATE:4ms.
RECORD LENGTH:16sec.
S.P.INTERVAL:50m.
GROUP INTERVAL:25m.
AUX.CHANNELS:4
EXT.HEADER GECO EHLS

RECORDING INSTRUMENTS:

ND-100/CX
TAPE FORMAT:SEG D 8015

STREAMER:

TYPE:GX 600;ACTIVE CABLE LENGTH 4500m. TOWING CABLE LENGTH:5050m.
NO. OF ACTIVE SECTIONS:60 LENGTH OF ACTIVE SECTION:75m.
HYDROPHONES IN SECTION:120 LENGTH OF ISOLATOR SECTION:
CABLE DEPTH:10(+/-2)m. i.e.STRETCH:50m.
DEPTH & COMPASSES:IN RCL-4C BIRDS.

NAVIGATION:

PRIMARY: LORAN-C
SECONDARY: SAT.NAV
SONAR DOPPLER: NO

SEISMIC ENERGY SOURCE:

TYPE: BOLT AIRGUNS
ARRAY WIDTH:30m.
ARRAY LENGTH:57.5m.
PRESSURE: 2000 P.S.I.
DEPTH:7.5(+/-1)m.
(SEE ATT.DIAGRAM FOR DETAIL)

MONITOR CAMERA TRACES.

Data channels : 1 - 60
Aux channels : 61- 64
Time Break : 61
Water Break : 62
Record No. : 63
100 Hz (Ref) : 64

ADDITIONAL INFORMATION.

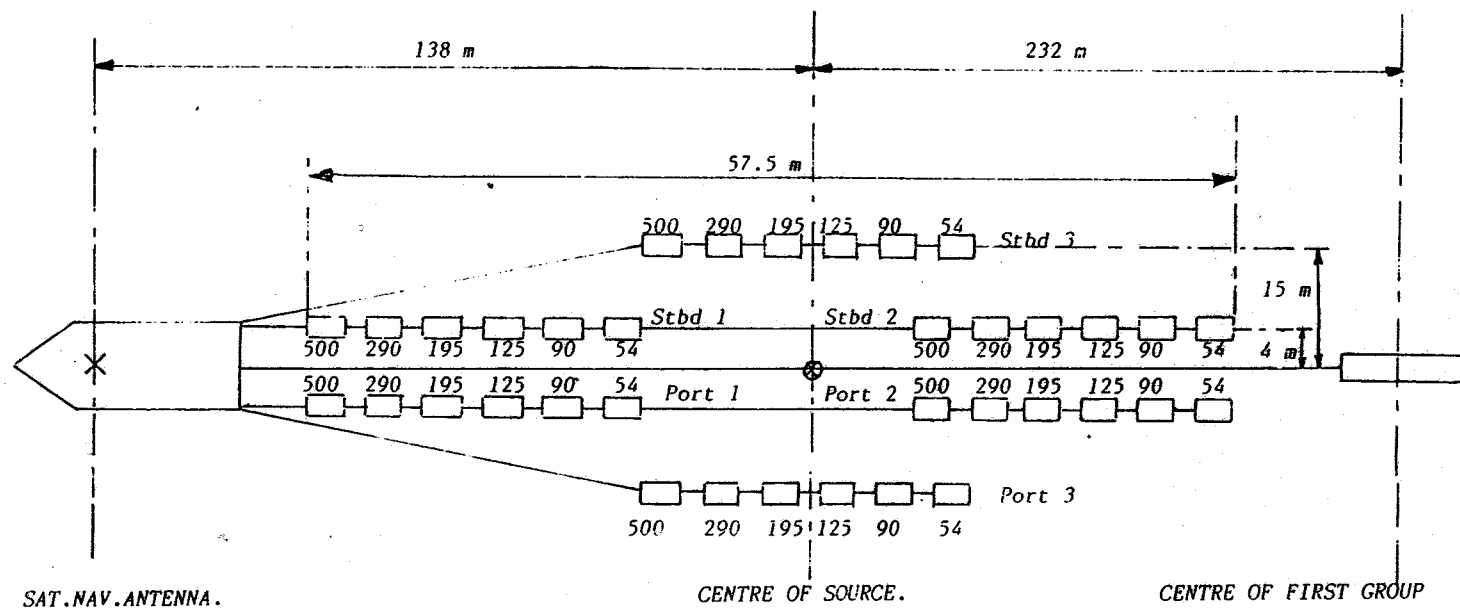
Offset : centre source to centre first group : 232 Metres
 Sat.Nav Ant. to centre of source : 138 Metres
Add 7 Metres to fathometer readings for correct water depth.

LEAD-IN/WB	HSFUQ L-062	029(NO GOOD)	69m out
STR 1	HSYQ L-221 BOLT TAPED	SOM HOSE	2xVBFL
STR 2	HSYQ 388-769-03	RCL4 B1	1xVBFL
STR 3	HSYQ L-217		2xVBFL
STR 4	HSYQ L-185	RCL4 B2 2xVBFL	1xVBFL
WB 2	HSFWQ L-043	087	
ACT 1	2 HSSQ L-260	078 B3 VBFL	1-3
ACT 2	2 HSSQ 186-656-2	(003)	4-6
ACT 3	2 HSSQ L-242	(023)	7-9
WB 3	HSFWQ L-041	101	
ACT 4	2 HSSQ 1183-399-03	NONE(SPARE PAIRED)	10-12
ACT 5	2 HSSQ L-258	(065)	13-15
ACT 6	2 HSSQ 985-594-4	(021) B4 BFL	16-18
ACT 7	2 HSSQ 985-592-10	005	19-21
ACT 8	2 HSSQ L-243	091	22-24
ACT 9	2 HSSQ 985-598-8	(041)	25-27
ACT 10	2 HSSQ 1185-620-09	(014)	28-30
ACT 11	2 HSSQ L-285	015	31-33
ACT 12	2 HSSQ 1184-494-09	(092) B5 BFL	34-36
ACT 13	2 HSSQ 887-732-10	045	37-39
ACT 14	2 HSSQ L-091	032	40-42
ACT 15	2 HSSQ L-170		43-45
ACT 16	2 HSSQ 985-590-3	055	46-48
ACT 17	2 HSSQ 388-768-08	076 B6 VBFL	49-51
ACT 18	2 HSSQ 485-550-2	(023)	52-54
ACT 19	2 HSSQ 186-658-3	079	55-57
ACT 20	2 HSSQ 385-529-9	(090)	58-60
ACT 21	2 HSSQ 985-592-2	062	61-63
ACT 22	2 HSSQ 184-424-31	075	64-66
ACT 23	2 HSSQ 985-593-1	120 B7 VBFL	67-69
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ACT 26	2 HSSQ 185-517-15	021	76-78
ACT 27	2 HSSQ 187-700-03	109	79-81
ACT 28	2 HSSQ 787-723-04	090 B8 VBFL	82-84
ACT 29	2 HSSQ L-160	020	85-87
ACT 30	2 HSSQ L-142	068	88-90
ACT 31	2 HSSQ 586-679-12	124	91-93
ACT 32	2 HSSQ 583-323-43	105	94-96
ACT 33	2 HSSQ 385-537-06	113 B9 VBFL	97-99
ACT 34	2 HSSQ 187-695-01	NONE	100-102
ACT 35	2 HSSQ L-259	027	103-105
ACT 36	2 HSSQ L-104	036	106-108
ACT 37	2 HSSQ 1185-631-08	084	109-111
ACT 38	2 HSSQ 385-537-8	021 B10 VBFL	112-114
ACT 39	2 HSSQ 1185-630-08	114	115-117
ACT 40	2 HSSQ L-072	046	118-120
ACT 41	2 HSSQ L-284	025	121-123
ACT 42	2 HSSQ 985-590-9	103	124-126
ACT 43	2 HSSQ 883-359-36	118	127-129
ACT 44	2 HSSQ 385-537-5	112 B11 VBFL	130-132
ACT 45	2 HSSQ L-047	(003)	133-135
ACT 46	2 HSSQ 1185-631-2	078	136-138
ACT 47	2 HSSQ 385-531-4	066	139-141
ACT 48	2 HSSQ 985-597-6	(065)	142-144
ACT 49	2 HSSQ 185-517-2	(063) B12 VBFL	145-147
ACT 50	2 HSSQ 385-529-7	086	148-150
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ACT 52	2 HSSQ L-055	017	154-156
ACT 53	2 HSSQ 883-359-15	014	157-159
ACT 54	2 HSSQ 1185-630-7	113 B13 VBFL	160-162
ACT 55	2 HSSQ 985-600-03	090	163-165
ACT 56	2 HSSQ 488-775-04	060	166-168
ACT 57	2 HSSQ 587-710-04	039 B14 VBFL	169-171
ACT 58	2 HSSQ 1185-629-01	022	172-174
ACT 59	2 HSSQ 488-775-03	056	175-177
ACT 60	2 HSSQ 385-538-10	118 B15 VBFL	178-180
TSTR	HSYQ 288-763-05		

GECO COMPACT POINT SOURCE ARRAY

VESSEL: M.V. GECO MY
 CLIENT: LOUISIANA STATE UNIVERSITY
 DATE:

LINE No: -
 JOB No: 06812



DISTANCE SAT.NAV.ANTENNA TO CENTRE OF SOURCE = 138 m

DISTANCE CENTRE OF SOURCE TO CENTRE OF FIRST GROUP = 232 m

TOTAL VOLUME = 7524 cu.in.

TOTAL No OF ARRAYS = 6

88	530	REELNO	25527	FF:	9999	LF:	4858	FSP:	4964	LSP:	4858	LINE:	LINEB3
88	530	REELNO	25528	FF:	4857	LF:	4747	FSP:	4857	LSP:	4747	LINE:	LINEB3
88	530	REELNO	25529	FF:	4746	LF:	4636	FSP:	4746	LSP:	4636	LINE:	LINEB3
88	530	REELNO	25530	FF:	4635	LF:	4586	FSP:	4635	LSP:	4590	LINE:	LINEB3

MARINE SURVEY

Observers log -General Information

Ship:- M/V GECO MY Client:- L.S.U. Date:31-05-88
Prospect:E./ W. CAMERON/GARDEN BANKS/K.CANYON Line No.:LINE-B4
Line heading:184.6 Party Chief:- J.Steel

SEISMIC INSTRUMENTS:

TYPE:DSS/DFSV
FILTERS:HI-CUT:64 Hz SLOPE:72dB/OCTAVE
 LO-CUT:5.3Hz SLOPE:18dB/OCTAVE
GAIN CONSTANT:24dB
DSS SENSITIVITY:25 microVOLTS/microBAR

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SAMPLE RATE:4ms.
RECORD LENGTH:16sec.
S.P.INTERVAL:50m.
GROUP INTERVAL:25m.
AUX.CHANNELS:4
EXT.HEADER GECO EHLS

RECORDING INSTRUMENTS:

ND-100/CX
TAPE FORMAT:SEG D 8015

STREAMER:

TYPE:GX 600;ACTIVE CABLE LENGTH 4500m. TOWING CABLE LENGTH:5050m.
NO. OF ACTIVE SECTIONS:60 LENGTH OF ACTIVE SECTION:75m.
HYDROPHONES IN SECTION:120 LENGTH OF ISOLATOR SECTION:
CABLE DEPTH:10(+/-2)m. i.e.STRETCH:50m.
DEPTH & COMPASSES:IN RCL-4C BIRDS.

NAVIGATION:

PRIMARY: LORAN-C
SECONDARY: SAT.NAV
SONAR DOPPLER: NO

SEISMIC ENERGY SOURCE:

TYPE: BOLT AIRGUNS
ARRAY WIDTH:30m.
ARRAY LENGTH:57.5m.
PRESSURE: 2000 P.S.I.
DEPTH:7.5(+/-1)m.
(SEE ATT.DIAGRAM FOR DETAIL)

MONITOR CAMERA TRACES.

Data channels : 1 - 60
Aux channels : 61- 64
Time Break : 61
Water Break : 62
Record No. : 63
100 Hz (Ref) : 64

ADDITIONAL INFORMATION.

Offset : centre source to centre first group : 232 Metres
Sat.Nav Ant. to centre of source : 138 Metres
Add 7 Metres to fathometer readings for correct water depth.

LF.

GECO MY CABLE STATUS DATED 27-05-88

STR 1		HSYQ L-221 BOLT TAPED	SOM HOSE	2xVBFL
STR 2		HSYQ 388-769-03	RCL4 B1	1xVBFL
STR 3		HSYQ L-217		2xVBFL
STR 4		HSYQ L-185	RCL4 B2	2xVBFL 1xVBFL
WB 2		HSFWQ L-043	087	
ACT 1	2	HSSQ L-260	078 B3	VBFL 1-3
ACT 2	2	HSSQ 186-656-2	(003)	4-6
ACT 3	2	HSSQ L-242	(023)	7-9
WB 3		HSFWQ L-041	101	
ACT 4	2	HSSQ 1183-399-03	NONE (SPARE PAIRED)	10-12
ACT 5	2	HSSQ L-258	(065)	13-15
ACT 6	2	HSSQ 985-594-4	(021) B4	BFL 16-18
ACT 7	2	HSSQ 985-592-10	005	19-21
ACT 8	2	HSSQ L-243	091	22-24
ACT 9	2	HSSQ 985-598-8	(041)	25-27
ACT 10	2	HSSQ 1185-620-09	(014)	28-30
ACT 11	2	HSSQ L-285	015	31-33
ACT 12	2	HSSQ 1184-494-09	(092) B5	BFL 34-36
ACT 13	2	HSSQ 887-732-10	045	37-39
ACT 14	2	HSSQ L-091	032	40-42
ACT 15	2	HSSQ L-170		43-45
ACT 16	2	HSSQ 985-590-3	055	46-48
ACT 17	2	HSSQ 388-768-08	076 B6	VBFL 49-51
ACT 18	2	HSSQ 485-550-2	(023)	52-54
ACT 19	2	HSSQ 186-658-3	079	55-57
ACT 20	2	HSSQ 385-529-9	(090)	58-60
ACT 21	2	HSSQ 985-592-2	062	61-63
ACT 22	2	HSSQ 184-424-31	075	64-66
ACT 23	2	HSSQ 985-593-1	120 B7	VBFL 67-69
ACT 24	2	HSSQ 1185-632-10	092	70-72
ACT 25	2	HSSQ 385-527-1	014	73-75
ACT 26	2	HSSQ 185-517-15	021	76-78
ACT 27	2	HSSQ 187-700-03	109	79-81
ACT 28	2	HSSQ 787-723-04	090 B8	VBFL 82-84
ACT 29	2	HSSQ L-160	020	85-87
ACT 30	2	HSSQ L-142	068	88-90
ACT 31	2	HSSQ 586-679-12	124	91-93
ACT 32	2	HSSQ 583-323-43	105	94-96
ACT 33	2	HSSQ 385-537-06	113 B9	VBFL 97-99
ACT 34	2	HSSQ 187-695-01	NONE	100-102
ACT 35	2	HSSQ L-259	027	103-105
ACT 36	2	HSSQ L-104	036	106-108
ACT 37	2	HSSQ 1185-631-08	084	109-111
ACT 38	2	HSSQ 385-537-8	021 B10	VBFL 112-114
ACT 39	2	HSSQ 1185-630-08	114	115-117
ACT 40	2	HSSQ L-072	046	118-120
ACT 41	2	HSSQ L-284	025	121-123
ACT 42	2	HSSQ 985-590-9	103	124-126
ACT 43	2	HSSQ 883-359-36	118	127-129
ACT 44	2	HSSQ 385-537-5	112 B11	VBFL 130-132
ACT 45	2	HSSQ L-047	(003)	133-135
ACT 46	2	HSSQ 1185-631-2	078	136-138
ACT 47	2	HSSQ 385-531-4	066	139-141
ACT 48	2	HSSQ 985-597-6	(065)	142-144
ACT 49	2	HSSQ 185-517-2	(063) B12	VBFL 145-147
ACT 50	2	HSSQ 385-529-7	086	148-150
ACT 51	2	HSSQ L-256	030	151-153
ACT 52	2	HSSQ L-055	017	154-156
ACT 53	2	HSSQ 883-359-15	014	157-159
ACT 54	2	HSSQ 1185-630-7	113 B13	VBFL 160-162
ACT 55	2	HSSQ 985-600-03	090	163-165
ACT 56	2	HSSQ 488-775-04	060	166-168
ACT 57	2	HSSQ 587-710-04	039 B14	VBFL 169-171
ACT 58	2	HSSQ 1185-629-01	022	172-174
ACT 59	2	HSSQ 488-775-03	056	175-177
ACT 60	2	HSSQ 385-538-10	118 B15	VBFL 178-180
TSTR		HSYQ 288-763-05		

LINE NO.....LINE B 4SOL@14.11/30-MAY-88EOL@10.11/31-MAY-88

88	530	REELNO	25531	FF:	9999	LF:	4562	FSP:	4667	LSP:	4562	LINE:	LINEB4
88	530	REELNO	25532	FF:	4561	LF:	4451	FSP:	4561	LSP:	4451	LINE:	LINEB4
88	530	REELNO	25533	FF:	4450	LF:	4340	FSP:	4450	LSP:	4340	LINE:	LINEB4
88	530	REELNO	25534	FF:	4339	LF:	4230	FSP:	4339	LSP:	4230	LINE:	LINEB4
88	530	REELNO	25535	FF:	4229	LF:	4118	FSP:	4229	LSP:	4118	LINE:	LINEB4
88	530	REELNO	25536	FF:	4117	LF:	4007	FSP:	4117	LSP:	4007	LINE:	LINEB4
88	530	REELNO	25537	FF:	4006	LF:	3895	FSP:	4006	LSP:	3895	LINE:	LINEB4
88	530	REELNO	25538	FF:	3894	LF:	3785	FSP:	3894	LSP:	3785	LINE:	LINEB4
88	530	REELNO	25539	FF:	3784	LF:	3675	FSP:	3784	LSP:	3674	LINE:	LINEB4
88	530	REELNO	25540	FF:	3674	LF:	3565	FSP:	3673	LSP:	3564	LINE:	LINEB4
88	530	REELNO	25541	FF:	3564	LF:	3453	FSP:	3563	LSP:	3451	LINE:	LINEB4
88	530	REELNO	25542	FF:	3452	LF:	3342	FSP:	3450	LSP:	3340	LINE:	LINEB4
88	530	REELNO	25543	FF:	3341	LF:	3232	FSP:	3339	LSP:	3230	LINE:	LINEB4
88	530	REELNO	25544	FF:	3231	LF:	3121	FSP:	3229	LSP:	3119	LINE:	LINEB4
88	530	REELNO	25545	FF:	3120	LF:	3011	FSP:	3118	LSP:	3008	LINE:	LINEB4
88	530	REELNO	25546	FF:	3010	LF:	2901	FSP:	3007	LSP:	2898	LINE:	LINEB4
88	531	REELNO	25547	FF:	2900	LF:	2789	FSP:	2897	LSP:	2786	LINE:	LINEB4
88	531	REELNO	25548	FF:	2788	LF:	2676	FSP:	2785	LSP:	2672	LINE:	LINEB4
88	531	REELNO	25549	FF:	2675	LF:	2566	FSP:	2671	LSP:	2562	LINE:	LINEB4
88	531	REELNO	25550	FF:	2565	LF:	2455	FSP:	2561	LSP:	2450	LINE:	LINEB4
88	531	REELNO	25551	FF:	2454	LF:	2345	FSP:	2449	LSP:	2339	LINE:	LINEB4
88	531	REELNO	25552	FF:	2344	LF:	2233	FSP:	2338	LSP:	2227	LINE:	LINEB4
88	531	REELNO	25553	FF:	2232	LF:	2123	FSP:	2226	LSP:	2114	LINE:	LINEB4
88	531	REELNO	25554	FF:	2122	LF:	2012	FSP:	2113	LSP:	2002	LINE:	LINEB4
88	531	REELNO	25555	FF:	2011	LF:	1902	FSP:	2001	LSP:	1891	LINE:	LINEB4
88	531	REELNO	25556	FF:	1901	LF:	1792	FSP:	1890	LSP:	1780	LINE:	LINEB4
88	531	REELNO	25557	FF:	1791	LF:	1681	FSP:	1779	LSP:	1669	LINE:	LINEB4
88	531	REELNO	25558	FF:	1680	LF:	1571	FSP:	1668	LSP:	1559	LINE:	LINEB4
88	531	REELNO	25559	FF:	1570	LF:	1460	FSP:	1558	LSP:	1448	LINE:	LINEB4
88	531	REELNO	25560	FF:	1459	LF:	1349	FSP:	1447	LSP:	1337	LINE:	LINEB4
88	531	REELNO	25561	FF:	1348	LF:	1238	FSP:	1336	LSP:	1226	LINE:	LINEB4
88	531	REELNO	25562	FF:	1237	LF:	1128	FSP:	1225	LSP:	1115	LINE:	LINEB4
88	531	REELNO	25563	FF:	1127	LF:	1018	FSP:	1114	LSP:	1005	LINE:	LINEB4
88	531	REELNO	25564	FF:	1017	LF:	956	FSP:	1004	LSP:	946	LINE:	LINEB4