

Observers Log

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergon	Cody Bahlau	

	SP#	FFID	Raw SegD
SOL	107	1	21
EOL	7440	7334	15351

Source Parameters		Recording Parameters	
Total Volume	3300 in3	Record Length	9.5 s
Work Pressure	1950psi +/- 100psi	Total recording delay	0
Dual Source	no	Sample Rate	1ms
Depth	6 m	Polarity	SEGD standard
Sub-array Separation	6 m	Low-Cut	3Hz digital
COS to COS	single source	Hi-Cut	400Hz, 370dB/octave
		File Format	SEGD

Cable	Dead Channels
1	481 Dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	FILE	SP	Description
9:59	1	107	SOL MGL2306001P01 - 3300 in3, 18 Guns
17:22	2507	2613	SP 2613 Gun 2-3 Failed to Fire - Source Volume 3260ci
17:29	2552	2658	SP 2658 Gun 2-3 Failed to Fire - Source Volume 3260ci
17:29	2553	2659	SP 2659 Gun 2-3 Failed to Fire - Source Volume 3260ci
17:30	2554	2660	SP 2660 Gun 2-3 Failed to Fire - Source Volume 3260ci
17:36	2589	2695	SP 2695 Gun 2-3 Failed to Fire - Source Volume 3260ci
17:36	2590	2696	SP 2696 Gun 2-3 Failed to Fire - Source Volume 3260ci
17:36	2591	2697	SP 2697 Gun 2-3 Failed to Fire - Source Volume 3260ci
17:39	2606	2712	SP 2712 Gun 2-3 Failed to Fire - Source Volume 3260ci
17:39	2607	2713	SP 2713 Gun 2-3 Failed to Fire - Source Volume 3260ci
18:54	3056	3162	False pressure error - Good SP
19:00	3091	3197	False pressure error - Good SP
19:12	3163	3269	False pressure error - Good SP
21:54	4121	4227	False pressure error - Good SP
22:04	4181	4287	False pressure error - Good SP
00:00	4879	4985	First shot 05/12
07:17	7334	7440	EOL MGL2306001P01 - 3300 in3, 18 Guns

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergon	Cody Bahlau	

LINE	MGL2306002P002
SEQUENCE	2
DIRECTION	124

	SP#	FFID	Raw SegD
SOL	8057	7335	15361
EOL	13118	12396	25422

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz digital
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	8057	13118
Date MM/DD/YY	05/12/23	05/12/23
Time UTC	07:26	21:25
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SE8.5 kts	E 4.0 kts kts
Sea State (m)	1 m	1.0m
Water Depth (m)	3570 m	4780m m

Cable	Dead Channels
1	481 Dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergon	Cody Bahlau	

LINE	MGL2306003P03
SEQUENCE	3
DIRECTION	211

	SP#	FFID	Raw SegD
SOL	14074	12397	25515
EOL	20093	18416	40109

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	14074	20092
Date MM/DD/YY	05/12/23	05/13/23
Time UTC	21:37:10	17:52
Volume (cu in.)	3300 in3	1650 in3
Wind (kts)	6.4 kts	SE 16.9 kts
Sea State (m)	1 m	1 m
Water Depth (m)	4797 m	3850 m

Cable	Dead Channels
1	481 Dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
Gun Depth Transducer 1-3 dead SOL thru EOL
Bad SP @ 15933, 15636, 15637, 15638 d/t Gun 2-8 Autofire
SP 15938-16374: Recovering array 2. Half volume (1650 in3); reduced speed (3.5kts) affecting streamer/bird depth control
SP 16538-16950: Recovering array 1. Half volume (1650 in3); reduced speed (3.5kts) affecting streamer/bird depth control
Bad SP @ 17699-17715 d/t Gun 2-9 Autofire
Misfires on Gun 2-7 @ SP 18348 & 18349
Misfires on Gun 2-1 @ SP 18360, 18365, 19872, 19874, 19943, 19946, 19949 thru 19962
EOL/LGSP @ 20092 d/t Gun Issues

Abbreviations	
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NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	FILE	SP	Description
21:37	12397	14074	SOL MGL2306003P03 - 3300 in3, 18 Guns
22:19	12657	14334	False pressure error String 1 (340 psi) d/t Gunlink glitch
22:38	12773	14450	False pressure error String 1 (340 psi) d/t Gunlink glitch
00:00	13275	14952	First shot 05/13/2023
00:21	13400	15077	False pressure error String 1 (344 psi) d/t Gunlink glitch
01:54	13956	15633	Real Autofire Guns 2-8 Verified on SEGD - Bad SP
01:54	13959	15636	Real Autofire Guns 2-8 Verified on SEGD - Bad SP
01:54	13960	15637	Real Autofire Guns 2-8 Verified on SEGD - Bad SP
01:54	13961	15638	Real Autofire Guns 2-8 Verified on SEGD - Bad SP
01:54	13961	15638	Array Spread Error - 13.6ms late - Bad SP
01:54	13961	15638	Cluster Spread Error - 13.1ms Late - Bad SP
2:37	14218	15895	Real Autofire Guns 2-8 Verified on SEGD - Bad SP
2:39	14229	15906	Real Autofire Guns 2-8 Verified on SEGD - Bad SP
2:39	14230	15907	Real Autofire Guns 2-8 Verified on SEGD - Bad SP
02:45	14261	15938	Array 2 disabled due to autofires, new volume - 1650 cuin with 9 guns
04:30	14697	16374	Array 2 back in position - back to full volume 3300 in3 - 18 guns
04:56	14844	16523	Apparent failure of S1G1
05:00	14870	16547	After several failures, S1G1 disabled - new volume 2940 in3, 17 guns
05:06	14906	16583	Array 1 disabled for recovery - 9 guns, 1650 in3
06:47	15273	16950	Array 1 back in position - back to full volume 3300 in3 - 18 guns
08:55	16022	17699	S2G9 starts autofiring
08:58	16038	17715	S2G9 disabled - new volume 3080 in3, 17 guns
09:00	16045	17722	Array 2 disabled for recovery - new volume 1650 in3, 9 guns
12:10	16671	18348	Array 2 back in position - back to full volume 3300 in3 - 18 guns
12:10	16672	18348	Gun 2-7 No Fire - Volume for SP: 3240ci
12:11	16673	18349	Gun 2-7 No Fire - Volume for SP: 3240ci
12:14	16674	18360	Gun 2-1 No Fire - Volume for SP: 2940ci
12:15	16675	18365	Gun 2-1 No Fire - Volume for SP: 2940ci
16:54	16676	19872	Gun 2-1 No Fire - Volume for SP: 2940ci
16:54	18197	19874	Gun 2-1 No Fire - Volume for SP: 2940ci
17:07	18266	19943	Gun 2-1 No Fire - Volume for SP: 2940ci
17:07	18269	19946	Gun 2-1 No Fire - Volume for SP: 2940ci
17:08	18272	19949	Gun 2-1 No Fire - Volume for SP: 2940ci
17:08	18273	19950	Gun 2-1 No Fire - Volume for SP: 2940ci
17:08	18274	19951	Gun 2-1 No Fire - Volume for SP: 2940ci

17:08	18275	19952	Gun 2-1 No Fire - Volume for SP: 2940ci
17:08	18276	19953	Gun 2-1 No Fire - Volume for SP: 2940ci
17:09	18277	19954	Gun 2-1 No Fire - Volume for SP: 2940ci
17:09	18278	19955	Gun 2-1 No Fire - Volume for SP: 2940ci
17:09	18279	19956	Gun 2-1 No Fire - Volume for SP: 2940ci
17:09	18280	19957	Gun 2-1 No Fire - Volume for SP: 2940ci
17:09	18281	19958	Gun 2-1 No Fire - Volume for SP: 2940ci
17:09	18282	19959	Gun 2-1 No Fire - Volume for SP: 2940ci
17:10	18283	19960	Gun 2-1 No Fire - Volume for SP: 2940ci
17:10	18284	19961	Gun 2-1 No Fire - Volume for SP: 2940ci
17:10	18285	19962	Gun 2-1 No Fire - Volume for SP: 2940ci
17:10	18285	19962	Gun 2-1 Disabled d/t bad sensor signal causing misfires - New Array Volume 2940ci
17:21	18321	19998	String 2 Disabled for Recovery - New Array volume 1650ci
17:52	18415	20092	Last Good Shot Point
17:53	18416	20093	EOL MGL2306003P03 - 0 in3, 0 Guns

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergon	Cody Bahlau	

LINE	MGL2306004P03a
SEQUENCE	4
DIRECTION	211

	SP#	FFID	Raw SegD
SOL	20579	18417	40119
EOL	22491	20329	45041

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	20579	22491
Date MM/DD/YY	05/13/23	05/14/23
Time UTC	21:12	04:02
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SE13 kts	SW10 kts
Sea State (m)	1 m	1 m
Water Depth (m)	3640 m	3025 m

Cable	Dead Channels
1	481 Dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty

[illegible]

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
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NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306005P04
SEQUENCE	5
DIRECTION	311

	SP#	FFID	Raw SegD
SOL	23066	20330	45048
EOL	24207	21471	47539

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	23066	24207
Date MM/DD/YY	05/14/23	05/14/23
Time UTC	04:08	07:35
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SW12 kts	SW9 kts
Sea State (m)	1 m	1 m
Water Depth (m)	3009 m	3034 m

Cable	Dead Channels
1	481 Dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty

[illegible]

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306006P05
SEQUENCE	6
DIRECTION	30

	SP#	FFID	Raw SegD
SOL	25087	21472	47544
EOL	31839	28224	61433

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	25087	31839
Date MM/DD/YY	05/14/23	05/15/23
Time UTC	07:46	03:03
Volume (cu in.)	3300 in3	1650 in3
Wind (kts)	SW12 kts	SW 13 kts
Sea State (m)	1 m	1 m
Water Depth (m)	3026 m	4638 m

Cable	Dead Channels
1	481 Dead; 192 Weak
2	
3	
4	

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Shots overlap at start of line due to high SOG with change of heading into current
SP 25273 thru 27212 False autofires on Gun 2-3 - Verified on SEG D - Good SPs
At SP 27842 S2G1 started autofiring - Recovered String 2 - Last phone detection @ SP 27909 - String 2 Disabled @ 27867
Reduced Volume d/t String 2 issues Sp's 27867 thru 28330: 1650ci - New Volume @ SP 28332: 3300ci
Reduced Volume d/t String 2 issues Sp's 31501 thru 31839 1650ci - New Volume @ SP 28332: 3300ci

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	FILE	SP	Description
07:46	21472	25087	SOL MGL2306006P05 - 3300 in3, 18 Guns
15:12	24227	27842	S2G1 starts autofiring - real verified on SEGD
15:13	24234	27849	S2G1 disabled
15:16	24252	27867	Array 2 disabled for recovery
16:13	25079	28186	Low Pressure error on string 1 @ 1817psi
16:38	24711	28326	Low Pressure error on string 1 @ 1816 psi d/t airing up string 2
16:39	24712	28327	Low Pressure error on string 1 @ 1744 psi d/t airing up string 2
16:39	24713	28328	Low Pressure error on string 1 @ 1778 psi d/t airing up string 2
16:39	24716	28331	Array 2 Enabled - New Volume 3300ci
16:40	24719	28334	FGSP after string 2 enabled d/t timing errors
18:47	25505	29120	False failed to detect fire on Gun 2-3 - Verified on SEGD - Good SP
23:14	27144	30759	False autofire on Gun 2-3 - Verified on SEGD - Good SP
23:59	27421	31036	LSP of Day
01:16	27852	31467	Misfires on Gun 2-2 d/t sensor line electrical leakage until SP 31500 - Bad SP
01:22	27886	31501	FGSP after string 2 misfires
01:22	27886	31501	String 2 Disabled - GCU powered OFF - New Volume 1650 ci
02:33	28135	31750	Enable Gun 2-1 - New Volume 2010ci
02:33	28136	31751	Enable Gun 2-2 - New Volume 2370ci
02:34	28139	31754	Disabled Guns 2-1 & 2-2 - New Volume 1650ci - Swapped Sensor board in GCU2
02:38	28152	31767	Enable Gun 2-1 - New Volume 2010ci
02:39	28153	31768	Enable Gun 2-2 - New Volume 2370ci
02:39	28154	31769	Disabled Guns 2-1 & 2-2 - New Volume 1650ci
02:42	28162	31777	Recovering string 2 again - same leakage
03:03	28224	31839	EOL MGL2306006P05 - 3300 in3, 18 Guns

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergon	Cody Bahlau	

LINE	MGL2306007P06
SEQUENCE	7
DIRECTION	304

	SP#	FFID	Raw SegD
SOL	32042	28225	61452
EOL	33030	29213	64500

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	32042	33030
Date MM/DD/YY	05/15/23	05/15/23
Time UTC	03:18	07:32
Volume (cu in.)	1650 in3	3300 in3
Wind (kts)	SW 13 kts	NE11 kts
Sea State (m)	1 m	1 m
Water Depth (m)	4600 m	4370 m

Cable	Dead Channels
1	481 Dead; 192 Weak
2	
3	
4	

Auxiliaries	
Aux. 1-8	Empty
Aux. 13-16	Empty
Aux 9 Gun hydrophone	Empty
Aux 10 Gun hydrophone	Empty
Aux 11 Gun hydrophone	Empty
Aux 12 Gun hydrophone	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
SOL thru SP 32343, then from SP 32384-32881: String 2 Disabled - Volume 1650in3
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Sol - SP 48190 Auxiliary channels mapped incorrectly. Correct mapping as follows
Ch1/NFH-11, Ch2/NFH-12, Ch3/NFH-9, Ch4/NFH-10, Ch5/NFH-7, Ch6/NFH--8m
Ch7/NFH-5, Ch8/NFH-6, Ch9/NFH-3, Ch10/NFH-4, Ch11/NFH-1, Ch12/NFH--2

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	FFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306008P07
SEQUENCE	8
DIRECTION	211

	SP#	FFID	Raw SegD
SOL	33560	29214	64505
EOL	40348	36002	79852

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	33560	40348
Date MM/DD/YY	05/15/23	05/16/2023
Time UTC	07:44	05:02
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE11 kts	E15 kts
Sea State (m)	1 m	1.5 m
Water Depth (m)	4355 m	2881 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Inetegrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Sol - SP 48190 Auxiliary channels mapped incorrectly. Correct mapping as follows
Ch1/NFH-11, Ch2/NFH-12, Ch3/NFH-9, Ch4/NFH-10, Ch5/NFH-7, Ch6/NFH--8
Ch7/NFH-5, Ch8/NFH-6, Ch9/NFH-3, Ch10/NFH-4, Ch11/NFH-1, Ch12/NFH--2

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306009P08
SEQUENCE	9
DIRECTION	327

	SP#	FFID	Raw SegD
SOL	41863	36003	79874
EOL	43455	37595	83613

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	41863	43455
Date MM/DD/YY	05/16/23	05/16/23
Time UTC	07:24	12:35
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	E12 kts	SE6 kts
Sea State (m)	1.5 m	1 m
Water Depth (m)	2942 m	2604 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Compressor failed just before expected start point, forcing a delay and ramp-up that reduced planned run-in by ~half
Speed through water = 5.0 kts
Sol - EOL Auxiliary channels mapped incorrectly. Correct mapping as follows
Ch1/NFH-11, Ch2/NFH-12, Ch3/NFH-9, Ch4/NFH-10, Ch5/NFH-7, Ch6/NFH--8m
Ch7/NFH-5, Ch8/NFH-6, Ch9/NFH-3, Ch10/NFH-4, Ch11/NFH-1, Ch12/NFH--2

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306010P09
SEQUENCE	10
DIRECTION	31

	SP#	FFID	Raw SegD
SOL	44067	37596	83619
EOL	50080	43528	95877

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	44067	50080
Date MM/DD/YY	05/16/23	05/17/23
Time UTC	12:50	06:05
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SE8 kts	SW26 kts
Sea State (m)	1 m	1.5 m
Water Depth (m)	2615 m	3965 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Shutdown for PSO (turtle) SP 44398-44479
Sol - SP 48190 Auxiliary channels mapped incorrectly. Correct mapping as follows
Ch1/NFH-11, Ch2/NFH-12, Ch3/NFH-9, Ch4/NFH-10, Ch5/NFH-7, Ch6/NFH--8m
Ch7/NFH-5, Ch8/NFH-6, Ch9/NFH-3, Ch10/NFH-4, Ch11/NFH-1, Ch12/NFH--2
Significant noise turn at the end of line, after SP ~50000

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306011P10
SEQUENCE	11
DIRECTION	304.2

	SP#	FFID	Raw SegD
SOL	50563	43529	95888
EOL	52010	44976	99290

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	50563	52010
Date MM/DD/YY	05/17/23	05/17/23
Time UTC	06:19	11:03
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SW24 kts	SW24 kts
Sea State (m)	1.5 m	2 m
Water Depth (m)	3942 m	3551 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Significant noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306012P11
SEQUENCE	12
DIRECTION	210.5

	SP#	FFID	Raw SegD
SOL	52538	44977	99297
EOL	58212	50651	111961

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	52538	58212
Date MM/DD/YY	05/17/23	05/18/23
Time UTC	11:13	04:48
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SW22 kts	SE9 kts
Sea State (m)	1.5 m	1 m
Water Depth (m)	3535 m	2403 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Significant noise turn at start and end of line
Array 2 disabled (9 guns, 1650 in3) between SP 53683-54111

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306013P12
SEQUENCE	13
DIRECTION	319.5

	SP#	FFID	Raw SegD
SOL	58577	50652	111969
EOL	59508	51538	113918

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	58577	59508
Date MM/DD/YY	05/18/23	05/18/23
Time UTC	04:57	07:40
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SE8 kts	E30 kts
Sea State (m)	1 m	1.5 m
Water Depth (m)	2352 m	2171 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Significant noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

	SP#	FFID	Raw SegD
SOL	60076	51584	113927
EOL	65994	57502	126208

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	FILE	SP	Description
07:52	51584	60076	SOL MGL2306014P13 - 3300 in3, 18 guns
13:01	53408	61900	rough sea with tail of streamer near surface - trying to bring the streamer deeper
13:35	53608	62100	streamer at 10 m
22:56	56842	65334	Gun 2-4 No Fire Detect - SP 65334 - New Volume 3120in3
22:59	56856	65348	Gun 2-4 Disabled d/t open sensor line
22:59	56855	65347	Array Spread Error 3.4ms
23:59	57202	65694	LSP of JD 138
00:32	57387	65879	Low Pressure Error String 1 - 1847 psi
00:34	57389	65881	Misfire Gun 1-9 2.1 ms
00:55	57502	65994	EOL MGL2306014P13 - 3120 in3, 17 guns

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306015P14
SEQUENCE	15
DIRECTION	305°

	SP#	FFID	Raw SegD
SOL	67066	57503	126302
EOL	69070	59507	130523

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	10			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	67066	69070
Date MM/DD/YY	05/19/23	05/19/23
Time UTC	01:03	06:54
Volume (cu in.)	3120 in3	3120 in3
Wind (kts)	E 28 kts	E30 kts
Sea State (m)	2.5 m	2.5 m
Water Depth (m)	3122 m	601 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NfH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Significant noise turn at start and end of line
Streamer at 10m depth SOL thru EOL because of rough seas
S1G4 Disabled from SP SOL thru EOL - Volume 3120in3

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306016P15
SEQUENCE	16
DIRECTION	22.3

	SP#	FFID	Raw SegD
SOL	69632	59508	130533
EOL	70797	60673	132384

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	10			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	69632	70797
Date MM/DD/YY	05/19/2023	05/19/23
Time UTC	07:09	09:43
Volume (cu in.)	3120 in3	1650 in3
Wind (kts)	E 28 kts	E27 kts
Sea State (m)	2.5 m	2 m
Water Depth (m)	583 m	521 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Significant noise turn at start and end of line
Tail of streamer near surface during turn, front of streamer lowered to 15 m while trying to stabilize it
Streamer at 10m depth because of rough seas once stabilised; streamer at 10m once stable, after SP ~70000
S1G4 Disabled from SP SOL thru EOL
Array 1 disabled after SP 69787 - 9 guns, 1650in3 until EOL
SOG over 6kts while sailing with the currents. Most SPs overlap

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306017P16
SEQUENCE	17
DIRECTION	121.6

	SP#	FFID	Raw SegD
SOL	71105	60674	132395
EOL	71450	61019	133350

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	10			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	71105	71450
Date MM/DD/YY	05/19/2023	05/19/23
Time UTC	09:57	11:16
Volume (cu in.)	1650 in3	1650 in3
Wind (kts)	E 28 kts	E32 kts
Sea State (m)	2.5 m	2 m
Water Depth (m)	580 m	1340 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Significant noise turn at start and end of line
Array 1 disabled for duration of line (Source=9 guns, 1650 in3). Unable to recover it in rough sea
Streamer at 10m depth because of rough seas

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306018P17
SEQUENCE	18
DIRECTION	202.5

	SP#	FFID	Raw SegD
SOL	71031	61020	133367
EOL	71034	61023	133385

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	10			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	71031	71034
Date MM/DD/YY	05/19/2023	05/19/23
Time UTC	11:32	11:33
Volume (cu in.)	1650 in3	1650 in3
Wind (kts)	SE33 kts	SE33 kts
Sea State (m)	2 m	2 m
Water Depth (m)	1375 m	1375 m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Array 1 disabled for duration of line (Source=9 guns, 1650 in3). Unable to recover it in rough sea
Streamer at 10m depth because of rough seas

**** Sequence aborted after 4 shots because of error in numbering ***

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargeable SP
FCSP - First Chargeable SP	LFFSP - Last Full Fold SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306019P17a
SEQUENCE	19
DIRECTION	202.5

	SP#	FFID	Raw SegD
SOL	72044	61024	133397
EOL	73370	62350	139332

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	10			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	72044	73370
Date MM/DD/YY	05/19/2023	05/19/23
Time UTC	11:38	19:53:06
Volume (cu in.)	1650 in3	1650 in3
Wind (kts)	SE29 kts	E 3kts
Sea State (m)	2 m	2m
Water Depth (m)	1380 m	1140m

Cable	Dead Channels
1	192 weak; 481 Dead
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Array 1 disabled for duration of line (Source=9 guns, 1650 in3). Unable to recover it in rough sea
Streamer at 10m depth because of rough seas
**** Sequence is a reboot of Sequence 18 / Line P17 after fixing numbering****
SOL thru EOL Gun 1-4 false autofires d/t sensor line leakage - Verified in SEG D

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306020P14R
SEQUENCE	20
DIRECTION	222°

	SP#	FFID	Raw SegD
SOL	74000	62351	139628
EOL	76250	64601	148256

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	74000	76250
Date MM/DD/YY	05/20/23	05/21/23
Time UTC	12:54	00:53
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	S24 kts	SW 9.8
Sea State (m)	1 m	1
Water Depth (m)	3140 m	539.9

Cable	Dead Channels
1	145. 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
*** Sequence 20 is a reshoot of Seq 15, line MGL2306015P14 ***
Line ended early for a change in shot spacing
Array 1 disabled between SP75823 and SP75979

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306021P14S
SEQUENCE	21
DIRECTION	222°

	SP#	FFID	Raw SegD
SOL	78559	64602	148320
EOL	78830	64873	149108

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	8			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	78559	78830
Date MM/DD/YY	05/21/2023	05/21/2023
Time UTC	00:59	02:07
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SW 9.8 kts	SW 12kts
Sea State (m)	1 m	1
Water Depth (m)	529 m	517

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
*** Sequence 21 is a continued reshoot of Seq 15, line MGL2306015P14 ***
Shotpoint distance changed to 8m d/t extreme feather angle and slow shooting speed

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306022P17b
SEQUENCE	22
DIRECTION	202.5

	SP#	FFID	Raw SegD
SOL	80130	64874	149156
EOL	82263	67007	160149

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	80130	82263
Date MM/DD/YY	05/21/23	05/21/23
Time UTC	07:00	22:17
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	weak 5 kts	N 14.9 kts
Sea State (m)	1.5 m	1 m
Water Depth (m)	1080 m	1395 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Strong head current. SOG ~1.5 kts at beginning of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306023P20
SEQUENCE	23
DIRECTION	108.5

	SP#	FFID	Raw SegD
SOL	83041	67008	160160
EOL	83576	67543	161318

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	83041	83576
Date MM/DD/YY	05/21/2023	05/22/2023
Time UTC	22:24	00:01
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N 14.9 kts	N 20.7
Sea State (m)	1 m	1 m
Water Depth (m)	1080 m	2772

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Turn noise visible @ SOL

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306024P21
SEQUENCE	24
DIRECTION	108.5

	SP#	FFID	Raw SegD
SOL	84045	67544	161330
EOL	84417	67916	162660

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	84045	84417
Date MM/DD/YY	5/22/2023	05/22/2023
Time UTC	00:05	01:57
Volume (cu in.)	3300 in3	1650 in3
Wind (kts)	N 14.9 kts	N 20.1 kts
Sea State (m)	1 m	1
Water Depth (m)	2600 m	2556

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Turn noise visible at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306025P22
SEQUENCE	25
DIRECTION	288.0

	SP#	FFID	Raw SegD
SOL	85064	67917	162678
EOL	86465	69318	166072

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	85064	86465
Date MM/DD/YY	5/22/2023	05/22/2023
Time UTC	02:05	06:47
Volume (cu in.)	1650 in3	3300 in3
Wind (kts)	N20 kts	N22 kts
Sea State (m)	1 m	1.5
Water Depth (m)	2556 m	650m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306026P23
SEQUENCE	26
DIRECTION	203.3

	SP#	FFID	Raw SegD
SOL	87029	69319	166086
EOL	87203	69493	166947

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	87029	87203
Date MM/DD/YY	05/22/23	05/22/23
Time UTC	06:55	08:07
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N21 kts	NE22 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	645 m	660 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306027P24
SEQUENCE	27
DIRECTION	108.9

	SP#	FFID	Raw SegD
SOL	87537	69494	166957
EOL	88811	70768	170175

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	87537	88811
Date MM/DD/YY	05/22/23	05/22/23
Time UTC	08:21	12:49
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE24 kts	NE 20 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	660 m	2270 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line
Recovering array 1 at the end of the line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306028P25
SEQUENCE	28
DIRECTION	203.9

	SP#	FFID	Raw SegD
SOL	89065	70769	170187
EOL	89383	71087	171492

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	89065	89383
Date MM/DD/YY	05/22/23	05/22/23
Time UTC	13:09	14:57
Volume (cu in.)	1650 in3	1650 in3
Wind (kts)	NE20 kts	NE22 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	2310 m	2156 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line
Array 1 disabled at start of line: 9 guns, 1650 in3 for entire line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306029P26
SEQUENCE	29
DIRECTION	289.5

	SP#	FFID	Raw SegD
SOL	90095	71088	171504
EOL	91298	72291	174629

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	90095	91298
Date MM/DD/YY	05/22/23	05/22/23
Time UTC	15:13	19:34
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE23 kts	NE15 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	2040 m	690 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306030P27
SEQUENCE	30
DIRECTION	202.6

	SP#	FFID	Raw SegD
SOL	92030	72292	174641
EOL	92398	72660	175789

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	92030	92398
Date MM/DD/YY	05/22/23	05/22/23
Time UTC	19:42	21:18
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE 19 kts	NE 21 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	685 m	709 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306031P28
SEQUENCE	31
DIRECTION	110.1

	SP#	FFID	Raw SegD
SOL	93040	72661	175798
EOL	94308	73929	178474

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	93040	94038
Date MM/DD/YY	05/22/23	05/23/23
Time UTC	21:25	01:09
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE 25 kts	NE 21 kts
Sea State (m)	1.5 m	2 m
Water Depth (m)	715 m	2079 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306032P29
SEQUENCE	32
DIRECTION	202.2

	SP#	FFID	Raw SegD
SOL	95048	73930	178483
EOL	95315	74197	179298

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	93048	95315
Date MM/DD/YY	05/23/23	05/23/23
Time UTC	01:16	02:24
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE 21 kts	E 20.3 kts
Sea State (m)	2 m	2 m
Water Depth (m)	2079 m	1926 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306033P30
SEQUENCE	33
DIRECTION	289.7

	SP#	FFID	Raw SegD
SOL	96045	74198	179311
EOL	97305	75458	182603

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	96045	97305
Date MM/DD/YY	05/23/23	05/23/23
Time UTC	02:33	07:07
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	E 20.3 kts	E19 kts
Sea State (m)	2 m	1.5 m
Water Depth (m)	1926 m	730 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306034P31
SEQUENCE	34
DIRECTION	202.1

	SP#	FFID	Raw SegD
SOL	97587	75459	182612
EOL	97810	75682	183297

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	97587	97810
Date MM/DD/YY	05/23/23	05/23/23
Time UTC	07:29	08:26
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	E20 kts	E23 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	730 m	750 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306035P32
SEQUENCE	35
DIRECTION	112.0

	SP#	FFID	Raw SegD
SOL	98059	75683	183308
EOL	99299	76923	185875

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	98059	99299
Date MM/DD/YY	05/23/23	05/23/23
Time UTC	08:34	12:08
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE22 kts	NE20 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	760 m	1830 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306036P33
SEQUENCE	36
DIRECTION	203.9

	SP#	FFID	Raw SegD
SOL	99551	76924	185886
EOL	99888	77261	186921

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	99551	99888
Date MM/DD/YY	05/23/23	05/23/23
Time UTC	12:16	13:43
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE22 kts	NE20 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	1840 m	1790 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306037P34
SEQUENCE	37
DIRECTION	294.2

	SP#	FFID	Raw SegD
SOL	100060	77262	186930
EOL	101296	78498	189821

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	100060	101296
Date MM/DD/YY	05/23/23	05/23/23
Time UTC	13:52	17:54
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE21 kts	NE 16 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	1760 m	773 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306038P35
SEQUENCE	38
DIRECTION	236.2

	SP#	FFID	Raw SegD
SOL	102018	78499	189833
EOL	102278	78759	190931

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	102018	102278
Date MM/DD/YY	05/23/23	05/23/23
Time UTC	18:00	19:31
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE 16 kts	NE 20 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	773 m	761 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306039P36
SEQUENCE	39
DIRECTION	119.7

	SP#	FFID	Raw SegD
SOL	103095	78760	190948
EOL	103512	79177	191872

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	103095	103512
Date MM/DD/YY	05/23/23	05/23/23
Time UTC	19:40	20:57
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE 16 kts	NE 18 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	773 m	900 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306040P37
SEQUENCE	40
DIRECTION	22.3

	SP#	FFID	Raw SegD
SOL	104066	79178	191879
EOL	107485	82597	198314

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	104066	107485
Date MM/DD/YY	05/23/23	05/24/23
Time UTC	21:04	06:00
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE 18 kts	NE26 kts
Sea State (m)	1.5 m	2 m
Water Depth (m)	900 m	690 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306041P20a
SEQUENCE	41
DIRECTION	333 (288 in orca)

	SP#	FFID	Raw SegD
SOL	108012	82598	198326
EOL	108163	82749	199164

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	50			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	108012	108163
Date MM/DD/YY	05/24/23	05/24/23
Time UTC	06:09	07:19
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N24 kts	N28 kts
Sea State (m)	2 m	2 m
Water Depth (m)	673 m	571 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line
Transition line to deal with current while going from P37 to P19
50 m SP spacing is on Orca preplot with 288 heading. Actual SP spacing with ~333 CMG is ~65m
Strong current, rough sea, slow speed through water, streamer/bird depth very variable, with birds ~13-23 near surface at some point

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306042P19
SEQUENCE	42
DIRECTION	22.8

	SP#	FFID	Raw SegD
SOL	109484	82750	199174
EOL	110092	83358	201059

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	50			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	109484	110092
Date MM/DD/YY	05/24/23	05/24/23
Time UTC	07:34	10:11
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N24 kts	N29 kts
Sea State (m)	2 m	2 m
Water Depth (m)	560 m	470 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line
Strong current and rough sea. Streamer depth set to 7m early in line to stop birds from surfacing, then to 10m

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306043P14b
SEQUENCE	43
DIRECTION	124.5

	SP#	FFID	Raw SegD
SOL	110505	83359	201071
EOL	110692	83546	202056

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	50			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	9ish			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	110505	110692
Date MM/DD/YY	05/24/23	05/24/23
Time UTC	10:23	11:45
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N31 kts	N31 kts
Sea State (m)	2 m	2.5 m
Water Depth (m)	470 m	595 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line
*** Strong current and rough sea. Wild birds. Streamer depth set to 8m early in line , then to 10m then 9m ***
Transition line to deal with current while going from P19 to P37a - nowhere near orca preplot

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306044P37a
SEQUENCE	44
DIRECTION	202.5

	SP#	FFID	Raw SegD
SOL	111042	83547	202065
EOL	113037	85542	208004

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	8			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	111042	113037
Date MM/DD/YY	05/24/23	5/24/23
Time UTC	11:55	20:11
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N28 kts	N 24 kts
Sea State (m)	2.5 m	3+ m
Water Depth (m)	600 m	740 m

Cable	Dead Channels
1	145 & 481 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line
Increasing sea state causing erratic trim on the streamer SOL - EOL

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306045P20b
SEQUENCE	45
DIRECTION	108.6

	SP#	FFID	Raw SegD
SOL	114068	85543	208018
EOL	114921	86396	209661

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	8			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	114068	114921
Date MM/DD/YY	05/24/23	5/24/23
Time UTC	20:18	22:36
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N 24 kts	NE 26 kts
Sea State (m)	3+ m	3+ m
Water Depth (m)	740 m	2598 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line
Increasing sea state causing erratic trim on the streamer SOL - EOL
SOL thru 114350 Streamer on the Surface from DB10 to DB 19

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306046P18
SEQUENCE	46
DIRECTION	287.7

	SP#	FFID	Raw SegD
SOL	116001	86397	209667
EOL	116431	86827	210658

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	15			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	116001	116431
Date MM/DD/YY	05/24/23	5/25/23
Time UTC	23:37	00:59
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	NE 26 kts	NE 21 kts
Sea State (m)	3+ m	2.5 m
Water Depth (m)	2598 m	1513 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Bird 1 has Intermittent comms SOL thru EOL
Noise turn at start and end of line
Increasing sea state causing erratic trim on the streamer SOL - EOL
Streamer @ 15m d/t sea state SOL thru EOL

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306047P39
SEQUENCE	47
DIRECTION	287.0

	SP#	FFID	Raw SegD
SOL	118599	86828	210671
EOL	122150	90379	220222

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	10			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	118599	122150
Date MM/DD/YY	5/25/23	5/25/23
Time UTC	01:15	14:31
Volume (cu in.)	3300 in3	1650 in3
Wind (kts)	NE 21 kts	E20 kts
Sea State (m)	2.5 m	2 m
Water Depth (m)	1513 m	1455 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 weak
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start and end of line
Increasing sea state causing erratic trim on the streamer SOL - EOL
Streamer @ 10m d/t sea state SOL thru EOL
S2Gun2 disabled after SP 120433 - 17 guns, 2940 in3
Array 2 disabled after SP 121896 - 9 guns, 1650in3

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306048P40
SEQUENCE	48
DIRECTION	122.4

	SP#	FFID	Raw SegD
SOL	123079	90380	220231
EOL	132628	99929	238534

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	10/6/8			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	123199	132628
Date MM/DD/YY	05/25/23	05/26/23
Time UTC	15:10	16:10
Volume (cu in.)	1650 in3	3300 in3
Wind (kts)	E20 kts	E15 kts
Sea State (m)	2 m	1.5 m
Water Depth (m)	1530 m	4985 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
FGSP 123199 d/t timing errors on string 2
Noise turn at start and end of line
Streamer @ 10m d/t sea state SOL - raised to 8m after SP ~123390 then 6 m after SP 123400
Array 2 disabled at SOL - 9 guns, 1650in3 until SP 123194
SOG increased to > 5.1 kts after streamer surfaced (SP ~127300), resulting in shots overlaps. Streamer set at 8m
SOG restored to 5kts after SP ~128700

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306049P41
SEQUENCE	49
DIRECTION	86.9

	SP#	FFID	Raw SegD
SOL	133613	99930	238543
EOL	137510	103827	246591

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	133613	137510
Date MM/DD/YY	05/27/23	05/27/23
Time UTC	02:43	13:53
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	E 25kts kts	SE13 kts
Sea State (m)	2.5 m	1.5 m
Water Depth (m)	4408 m	5180 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophones 1-6 and 2-6 Dead SOL thru EOL
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start/end of line
Reduced separation between sources during part of the line because of broken steering rope for array 2

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306050P42
SEQUENCE	50
DIRECTION	303.8

	SP#	FFID	Raw SegD
SOL	138761	103828	246608
EOL	150175	115242	274332

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	138761	150175
Date MM/DD/YY	05/27/23	05/29/23
Time UTC	16:14	06:44
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SE12 kts	SW20 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	5180 m	2015 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start/end of line
Steady swell and noticeable swell noise in streamer during most of line

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306051P43
SEQUENCE	51
DIRECTION	22.6

	SP#	FFID	Raw SegD
SOL	151077	115243	274342
EOL	153606	117772	279361

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	151077	153606
Date MM/DD/YY	05/29/23	05/29/23
Time UTC	06:53	13:51
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SW20 kts	SW12 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	2020 m	2790 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start/end of line
Array 1 then array 2 disabled shortly after the beginning of line to adjust separation (SP 151105-151195; 151208-151953)

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306052P44
SEQUENCE	52
DIRECTION	123.7

	SP#	FFID	Raw SegD
SOL	154093	117773	279377
EOL	162560	126240	297224

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	154093	162560
Date MM/DD/YY	05/29/23	05/30/23
Time UTC	14:05	14:52
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	SW10 kts	NE5 kts
Sea State (m)	1.5 m	1 m
Water Depth (m)	2850 m	4950 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start/end of line
Slight drop in pressure on array 1 (~50 psi) after SP 160912 - stable until end of line. Array 1 recovered after end of line.

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306053P45
SEQUENCE	53
DIRECTION	210.8

	SP#	FFID	Raw SegD
SOL	163060	126241	297234
EOL	164200	127381	300283

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	163060	164200
Date MM/DD/YY	05/30/23	05/30/23
Time UTC	15:01	19:15
Volume (cu in.)	1650 in3	3300 in3
Wind (kts)	N^6 kts	N12 kts
Sea State (m)	1 m	1 m
Water Depth (m)	4950 m	4879 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start/end of line
Array 1 disabled before start of line to address pressure drop in previous sequence - 9 guns, 1650 in3 SOL until SP 163435

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306054P46
SEQUENCE	54
DIRECTION	303.4

	SP#	FFID	Raw SegD
SOL	165042	127382	300312
EOL	173370	135701	320461

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	165042	173370
Date MM/DD/YY	05/30/23	05/31/23
Time UTC	19:22	23:21
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N12 kts	N 18 kts
Sea State (m)	1 m	1 m
Water Depth (m)	4879 m	2413 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start/end of line
SP 165107-165215 Depth Errors on Tail of String 1 - Depths @ 8m d/t broken depth rope
SP 168215-165405 Shooting with String 2 only - Volume 1650 in3 9 guns

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306055P47
SEQUENCE	55
DIRECTION	22.5

	SP#	FFID	Raw SegD
SOL	175061	135702	320469
EOL	180150	140791	330490

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	175061	180150
Date MM/DD/YY	05/31/23	06/01/23
Time UTC	23:30	13:25
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N 18 kts	N20 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	2413 m	2820 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start/end of line
2kts current behind most of the line, resulting in slow STW and unstable birds, with some swell. Noise along full streamer throughout line
Current > 2.5kts north of kink (SP178932) - speed control more challenging; some oberlap shots dt SOG > 5.1

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	FILE	SP	Description
23:30	135702	175061	SOL MGL2306055P47 - 3300 in3, 18 guns
23:59	135860	175219	Last shot for 05/31/23
13:25	140791	180150	EOL MGL2306055P47 - 3300 in3, 18 guns

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306056P48
SEQUENCE	56
DIRECTION	300.7

	SP#	FFID	Raw SegD
SOL	181050	140792	330499
EOL	181899	141641	334115

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	181050	181899
Date MM/DD/YY	06/01/23	06/01/23
Time UTC	13:32	18:33
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N18 kts	N 18 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	2810 m	1375 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Noise turn at start/end of line
Strong (2.5kts) current from port. Featther >40deg, up to 60
Starting around SP181400 - middle of streamer (bird 16) near surface
Streamer stable again @ 7m @ SP 181589
Streamer trim erratic again from SP 181600 through EOL d/t currents

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	FILE	SP	Description
13:32	140792	181050	SOL MGL2306056P48 - 3300 in3, 18 guns
15:33	141142	181400	SP 181400 - 181502 cable trim erratic with single birds popping to 3m
16:13	141254	181512	Streamer stable @ 10m - Raising streamer to 8m
16:41	141331	181589	Streamer stable 7m
16:45	141342	181600	Streamer trim erratic d/t currents 181600 thru EOL
18:33	141641	181899	EOL MGL2306056P48 - 3300 in3, 18 guns

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306057P49
SEQUENCE	57
DIRECTION	212.0

	SP#	FFID	Raw SegD
SOL	182021	141642	334130
EOL	183238	142859	338579

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	182021	183238
Date MM/DD/YY	06/01/23	06/02/23
Time UTC	18:42	00:53
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N 18 kts	N 19.5 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	1375 m	491 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Turn noise on streamer @ EOL

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	FILE	SP	Description
18:42	141642	182021	SOL MGL2306057P49 - 3300 in3, 18 guns
23:59	142713	183092	LSP of Julian Day 152
00:53	142859	183238	EOL MGL2306057P49 - 3300 in3, 18 guns

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL2306058P50
SEQUENCE	58
DIRECTION	275.0

	SP#	FFID	Raw SegD
SOL	184035	142860	338595
EOL	184363	143188	339871

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	184035	184363
Date MM/DD/YY	06/02/23	06/02/23
Time UTC	01:05	02:51
Volume (cu in.)	3300 in3	3300 in3
Wind (kts)	N 19.5 kts	N 19 kts
Sea State (m)	1.5 m	1.5 m
Water Depth (m)	491 m	346 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
Turn noise on streamer @ SOL/EOL

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]

Observers Log

Vessel	Marcus G. Langseth
Client	Becel/Daigle
Area	Cape Fear
Job Number	MGL2306

Shift	00:00-12:00	12:00-24:00	
Science Officer	Cody Bahlau		
Acquisition	Gilles Guerin	Riley López	
Navigation	Koray Ergun	Cody Bahlau	

LINE	MGL230659P51
SEQUENCE	59
DIRECTION	202.9

	SP#	FFID	Raw SegD
SOL	185023	143189	339883
EOL	187267	145433	347786

Streamer Parameters				
	1	2	3	4
Length (m)	6000			
Auxiliaries	n/a			
Shotpoint Interval: (m)	25			
Offset COS - CNG (m)	111.5			
Group Interval: (m)	6.25/12.5			
Number of channels	552			
Streamer Depth (m)	6			

Source Parameters	
Total Volume	3300 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	6 m
Sub-array Separation	6 m
COS to COS	single source

Recording Parameters	
Record Length	9.5 s
Total recording delay	0
Sample Rate	1ms
Polarity	SEGD standard
Low-Cut	3Hz analog
Hi-Cut	400Hz, 370dB/octave
File Format	SEGD

Description	SOL/FGSP	EOL/LGSP
SP	185023	187267
Date MM/DD/YY	06/02/23	06/02/23
Time UTC	03:01	14:00
Volume (cu in.)	3300 in3	2940 in3
Wind (kts)	N 19 kts	NE14 kts
Sea State (m)	1.5 m	1 m
Water Depth (m)	346 m	550 m

Cable	Dead Channels
1	145 & 481 & 482 dead; 192 Weak, 540 Noisy
2	
3	
4	

Auxiliaries	
Aux. 1-12	Gun Nearfield Hydrophone
Aux. 13 thru 56	Empty

General / Line Comments
Near Field Hydrophone 1-6 Dead and no hydrophone 2-6
All pressure errors false unless otherwise commented in event log.
Auxiliary gunlink headers included in SEG D
Aux Integrated NFH channels are omitting Gun 7 on both strings dt a limitation in the electrical junction box.
S2G1 disabled after SP 186942 after multiple timing errors and missfires

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargeable SP
FOLSP - First Overlap SP	Fa - Feather Angle
BOT/EOT - Begin/End of Tape	SI - Seismic Interference
NDR - No Data Recorded	ITB - Imitation Time Break
NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

[illegible]