

# Observers Log

Vessel	Marcus G. Langseth
Client	NSF - Harm Van Avendonk
Area	Blake Plateau
Job Number	MGL2310

Shift	00:00-12:00	12:00-24:00
Science Officer	Todd Jenvold	
Acquisition	Nikko Hernandez	Riley Lopez, Klay Curtis
Navigation	Korav Eraun	Aaron Martin

LINE	MGL2310001P1PRE1
SEQUENCE	1
DIRECTION	352

	<b>SP</b>
<b>SOL</b>	<b>104</b>
<b>EOL</b>	<b>142</b>

Streamer Parameters				
	1	2	3	4
Length (m)	NA			
Auxiliaries	NA			
Shotpoint Interval: (m)	150 m			
Offset COS - CNG (m)	NA			
Group Interval: (m)	NA			
Number of channels	NA			
Streamer Depth (m)	NA			

Source Parameters	
Total Volume	6600 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	10 m
Sub-array Separation	6 m
COS to COS	single source

Description	SOL/FGSP	EOL/LGSP
SP	104	142
Date MM/DD/YY	08/26/2023	08/26/2023
Time UTC	13:29	14:14
Volume (cu in.)	6600 in3	6600 in3
Wind (kts)	NE 13 kts	NE 14 kts
Sea State (m)	1 m	1 m
Water Depth (m)	4449 m	4426 m

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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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	SP	Description
13:29	104	SOL MGL2310001P1PRE1 - 6600 in3, 36 Guns
14:14	142	EOL MGL2310001P1PRE1 - 6600 in3, 36 Guns

# Observers Log

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Shift	00:00-12:00	12:00-24:00
Science Officer	Todd Jensvold	
Acquisition	Nikko Hernandez	Riley Lopez, Klay Curtis
Navigation	Korav Erqun	Aaron Martin

LINE	MGL2310002P1OBS1
SEQUENCE	2
DIRECTION	312.32

	<b>SP</b>
<b>SOL</b>	<b>1001</b>
<b>EOL</b>	<b>2287</b>

Streamer Parameters				
	1	2	3	4
Length (m)	NA			
Auxiliaries	NA			
Shotpoint Interval: (m)	150 m			
Offset COS - CNG (m)	NA			
Group Interval: (m)	NA			
Number of channels	NA			
Streamer Depth (m)	NA			

Source Parameters	
Total Volume	6600 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	10 m
Sub-array Separation	6 m
COS to COS	single source

Description	SOL/FGSP	EOL/LGSP
SP	1000	2287
Date MM/DD/YY	08/26/2023	08/27/2023
Time UTC	14:31	15:14
Volume (cu in.)	6600 in3	6600 in3
Wind (kts)	NE 15 kts	E 10 kts
Sea State (m)	1 m	1 m
Water Depth (m)	4430 m	3194 m

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]

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BOT/EOT - Begin/End of Tape	S - Seismic Interference
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NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	



[illegible]



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Science Officer	Todd Jensvold	
Acquisition	Nikko Hernandez	Riley Lopez, Klay Curtis
Navigation	Korav Eraun	Aaron Martin

LINE	MGL2310004P1OBS3
SEQUENCE	4
DIRECTION	125.62

	<b>SP</b>
<b>SOL</b>	<b>5016</b>
<b>EOL</b>	<b>6700</b>

Streamer Parameters				
	1	2	3	4
Length (m)	NA			
Auxiliaries	NA			
Shotpoint Interval: (m)	150 m			
Offset COS - CNG (m)	NA			
Group Interval: (m)	NA			
Number of channels	NA			
Streamer Depth (m)	NA			

Source Parameters	
Total Volume	6600 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	10 m
Sub-array Separation	6 m
COS to COS	single source

Description	SOL/FGSP	EOL/LGSP
SP	5016	6700
Date MM/DD/YY	09/07/2023	09/08/2023
Time UTC	14:56	21:04
Volume (cu in.)	6600 in3	6540 in3
Wind (kts)	NE 4 kts	S 13Kts kts
Sea State (m)	1 m	1 m
Water Depth (m)	794 m	1073 m

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]

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Job Number	MGL2310

Shift	00:00-12:00	12:00-24:00
Science Officer	Todd Jenvold	
Acquisition	Nikko Hernandez	Riley Lopez, Klay Curtis
Navigation	Korav Erqun	Aaron Martin

LINE	MGL2310006P1OBS2
SEQUENCE	6
DIRECTION	304.50

	<b>SP</b>
<b>SOL</b>	<b>12000</b>
<b>EOL</b>	<b>13278</b>

Streamer Parameters				
	1	2	3	4
Length (m)	NA			
Auxiliaries	NA			
Shotpoint Interval: (m)	150 m			
Offset COS - CNG (m)	NA			
Group Interval: (m)	NA			
Number of channels	NA			
Streamer Depth (m)	NA			

Source Parameters	
Total Volume	6600 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	10 m
Sub-array Separation	6 m
COS to COS	single source

Description	SOL/FGSP	EOL/LGSP
SP	12000	13267
Date MM/DD/YY	09/09/2023	09:10
Time UTC	01:58	01:56
Volume (cu in.)	6540 in3	6540 in3
Wind (kts)	S 7 kts	NE 3.5 kts
Sea State (m)	1 m	1 m
Water Depth (m)	1205 m	808 m

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]

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BOT/EOT - Begin/End of Tape	S - Seismic Interference
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N.T.B.P. - Not To Be Processed	

Time UTC	SP	Description
01:58	12000	SOL MGL2310006P1OBS2 - 6540 in3 - 35 Guns
23:59	13163	LSP JD 252
00:00	13164	FSP JD 253
01:56	13267	LGSP d/t Compressor Issue
01:57	13268	Compressor Failure - Pressure Dropping
02:00	13271	Disabled String 1 - 27 Guns 6180in3
02:01	13272	Disabled String all strings - 0 Guns
02:09	13278	EEOL MGL2310006P1OBS2 - Early End of Line d/t Compressor Issue

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Shift	00:00-12:00	12:00-24:00
Science Officer	Todd Jenvold	
Acquisition	Nikko Hernandez	Riley Lopez, Klay Curtis
Navigation	Korav Eraun	Aaron Martin

LINE	MGL2310007P2OBS2
SEQUENCE	7
DIRECTION	304.50

	<b>SP</b>
<b>SOL</b>	<b>13258</b>
<b>EOL</b>	<b>13534</b>

Streamer Parameters				
	1	2	3	4
Length (m)	NA			
Auxiliaries	NA			
Shotpoint Interval: (m)	150 m			
Offset COS - CNG (m)	NA			
Group Interval: (m)	NA			
Number of channels	NA			
Streamer Depth (m)	NA			

Source Parameters	
Total Volume	6600 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	10 m
Sub-array Separation	6 m
COS to COS	single source

Description	SOL/FGSP	EOL/LGSP
SP	13258	13534
Date MM/DD/YY	09/10/2023	09/10/2023
Time UTC	04:10	08:52
Volume (cu in.)	6540 in3	3300 in3
Wind (kts)	S 8 kts	S8 kts
Sea State (m)	1 m	1 m
Water Depth (m)	810 m	818 m

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	
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BOT/EOT - Begin/End of Tape	SI - Seismic Interference
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NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	SP	Description
04:10	13258	SOL MGL2310007P2OBS2 - 6540 in3 - 35 Guns
07:51	13479	Last shot at full volume before autofiring
07:52	13480	Gun 4-4 autofiring
07:55	13483	Gun 4-4 autofiring, gun disabled. New Volume 6360 in3, 34 guns
08:52	13533	String 3 and 4 Disabled 18 guns 3300 in3
08:52	13534	EOL MGL2310007P2OBS2 d/t Gun 2-2 Autofire - 18 Guns 3300 in3

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Shift	00:00-12:00	12:00-24:00
Science Officer	Todd Jenvold	
Acquisition	Nikko Hernandez	Riley Lopez, Klay Curtis
Navigation	Koray Ergun	Aaron Martin

LINE	MGL2310008P3OBS2
SEQUENCE	8
DIRECTION	304.50

	<b>SP</b>
<b>SOL</b>	<b>13455</b>
<b>EOL</b>	<b>13901</b>

Streamer Parameters				
	1	2	3	4
Length (m)	NA			
Auxiliaries	NA			
Shotpoint Interval: (m)	150 m			
Offset COS - CNG (m)	NA			
Group Interval: (m)	NA			
Number of channels	NA			
Streamer Depth (m)	NA			

Source Parameters	
Total Volume	6600 in3
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	10 m
Sub-array Separation	6 m
COS to COS	single source

Description	SOL/FGSP	EOL/LGSP
<b>SP</b>	13455	13901
<b>Date MM/DD/YY</b>	09/10/2023	9/10/2023
<b>Time UTC</b>	13:50	21:23
<b>Volume (cu in.)</b>	6600 in3	6240 in3
<b>Wind (kts)</b>	S 2 kts	E 2.9 kts
<b>Sea State (m)</b>	.5 m	1 m
<b>Water Depth (m)</b>	818 m	735 m

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]

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BOT/EOT - Begin/End of Tape	SI - Seismic Interference
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NDR - No Data Recorded	ITB - Internal Time Break
N.T.B.P. - Not To Be Processed	

Time UTC	SP	Description
13:50	13455	SOL MGL2310008P3OBS2 - 6600 in3 - 36 guns
15:36	13558	Gun 2-2 does not fire. Disabled: 6240 in3 - 35 guns
15:49	13571	Gun 2-2 Enabled for Troubleshooting . New Volume 6600 in3 36 guns
15:53	13575	Gun 2-2 Disabled: 6240 in3 - 35 guns
21:23	13901	EOL MGL2310008P3OBS2 6240 in3 - 35 guns