

Observers Log									
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<b>Vessel</b>	<b>Marcus G. Langseth</b>
<b>Client</b>	<b>Jean Lynch-Stieglitz</b>
<b>Area</b>	<b>Line Islands</b>
<b>Job Number</b>	<b>MGL1208</b>

<b>Chief Science Officer</b>	<b>Dave Martinson</b>		
<b>Science Officer</b>	<b>Tom Spoto</b>		
<b>Acquisition Leader</b>	<b>Tom Spoto 12:00-24:00</b>	<b>Tina Thomas 00:00-12:00</b>	<b>Lisa Hawkins 12:00-24:00</b>
<b>Navigation Leader</b>	<b>Robb Hagg 12:00-24:00</b>	<b>Mike Martello 00:00-12:00</b>	

	SOL	EOL		
<b>Tape #</b>	<b>002</b>	<b>003</b>	<b>FGSP</b>	<b>846</b>
<b>SP #</b>	<b>846</b>	<b>5295</b>	<b>LGSP</b>	<b>5295</b>

Line	MGL120801E01
Sequence	001
Direction	183

Streamer Parameters				
	1	2	3	4
Length (m)	900m			
Auxiliaries				
Shotpoint Interval: (m)	25m			
Offset CS - CNG (m)	152.7m			
Group Interval: (m)	12.5m			
Number of channels	60			
Streamer Depth (m)	9.0m			
SOL Cable Noise, $\mu$ B				
EOL Cable Noise, $\mu$ B				

Source Parameters	
Total Volume	210
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	4m
Source Separation	n/a
COS to COS	

Recording Parameters	
Record Length	8
Total recording delay	0
Sample Rate	0.5
Polarity	N/A
Low-Cut	2Hz /12DB
Hi-Cut	103Hz/276 DB
Tape Format	SEGD rev. 2

Description	SOL/FQCSP	EOL/LQCSP
Date MM/DD/YY	05/05/12	05/06/12
Time UTC	04:09	14:48
Volume (cu in.)	225in3	225in3
Wind (kts)	ESE 9	ESE 30
Sea State (m)	2-3m	2m
Water Depth (m)	2818m	2295m

Cable	EOL High Noise Channels (in u-bar)
1	
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
SOL SP 846
EOL SP 5295
SOL NOISY CHANNELS
EOL NOISY CHANNELS

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable 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	

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# Observers Log

Vessel	Marcus G. Langseth
Client	Jean Lynch-Stieglitz
Area	Line Islands
Job Number	MGL1208

	SOL	EOL		
Tape #	004	004	FGSP	1209
SP #	1209	2654	LGSP	2654

Streamer Parameters				
	1	2	3	4
Length (m)	900m			
Auxiliaries				
Shotpoint Interval: (m)	25m			
Offset CS - CNG (m)	152.7m			
Group Interval: (m)	12.5m			
Number of channels	60			
Streamer Depth (m)	4.0m			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Description	SOL/FQCSP	EOL/LQCSP
Date MM/DD/YY	04/06/12	04/06/12
Time UTC	14:49	18:38
Volume (cu in.)	225in3	225in3
Wind (kts)	ESE 30	ENE 29
Sea State (m)	2m	2-3m
Water Depth (m)	2298.5m	2357.1m

General / Line Comments
SOL SP 1209
EOL SP 2654
SOL NOISY CHANNELS
EOL NOISY CHANNELS

Chief Science Officer	Dave Martinson		
Science Officer	Tom Spoto		
Acquisition Leader	Tom Spoto 12:00-24:00	Tina Thomas 00:00-12:00	Lisa Hawkins 12:00-24:00
Navigation Leader	Robb Hagg 12:00-24:00	Mike Martello 00:00-12:00	

Line	MGL120801E01
Sequence	002
Direction	75.4

Source Parameters	
Total Volume	160cu. in.
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	4m
Source Separation	n/a
COS to COS	

Recording Parameters	
Record Length	8
Total recording delay	0
Sample Rate	0.5ms
Polarity	N/A
Low-Cut	2Hz /12DB
Hi-Cut	103Hz/276 DB
Tape Format	SEGD rev. 2

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 Chargable SP
FCSP - First Chargable 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	

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<b>Vessel</b>	<b>Marcus G. Langseth</b>
<b>Client</b>	<b>Jean Lynch-Stieglitz</b>
<b>Area</b>	<b>Line Islands</b>
<b>Job Number</b>	<b>MGL1208</b>

<b>Chief Science Officer</b>	<b>Dave Martinson</b>		
<b>Science Officer</b>	<b>Tom Spoto</b>		
<b>Acquisition Leader</b>	<b>Tom Spoto 12:00-24:00</b>	<b>Tina Thomas 00:00-12:00</b>	<b>Lisa Hawkins 12:00-24:00</b>
<b>Navigation Leader</b>	<b>Robb Hagg 12:00-24:00</b>	<b>Mike Martello 00:00-12:00</b>	

	SOL	EOL		
<b>Tape #</b>	<b>005</b>	<b>006</b>	<b>FGSP</b>	<b>655</b>
<b>SP #</b>	<b>655</b>	<b>5065</b>	<b>LGSP</b>	<b>5065</b>

Line	MGL120801A
Sequence	003
Direction	134.8

Streamer Parameters				
	1	2	3	4
Length (m)	900m			
Auxiliaries				
Shotpoint Interval: (m)	25m			
Offset CS - CNG (m)	152.7m			
Group Interval: (m)	12.5m			
Number of channels	72			
Streamer Depth (m)	4.0m			
SOL Cable Noise, $\mu$ B				
EOL Cable Noise, $\mu$ B				

Source Parameters	
Total Volume	160cu. in.
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	4m
Source Separation	n/a
COS to COS	

Recording Parameters	
Record Length	8
Total recording delay	0
Sample Rate	0.5ms
Polarity	N/A
Low-Cut	2Hz /12DB
Hi-Cut	103Hz/276 DB
Tape Format	SEGD rev. 2

Description	SOL/FQCSP	EOL/LQCSP
Date MM/DD/YY	05/10/12	5/11/12
Time UTC	16:44	03:03
Volume (cu in.)	225in3	225in3
Wind (kts)	10kts SE	10kts SE
Sea State (m)	1m	1m
Water Depth (m)	2896m	2887.1m

Cable	EOL High Noise Channels (in u-bar)
1	
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
SOL SP 655
EOL SP 5065
SOL NOISY CHANNELS
EOL NOISY CHANNELS

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP - First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable 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	

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# Observers Log

Vessel	Marcus G. Langseth
Client	Jean Lynch-Stieglitz
Area	Line Islands
Job Number	MGL1208

	SOL	EOL		
Tape #	007	007	FGSP	5082
SP #	5082	9102	LGSP	9102

Streamer Parameters				
	1	2	3	4
Length (m)	900m			
Auxiliaries				
Shotpoint Interval: (m)	25m			
Offset CS - CNG (m)	152.7m			
Group Interval: (m)	12.5m			
Number of channels	72			
Streamer Depth (m)	4.0m			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Description	SOL/FQCSP	EOL/LQCSP
Date MM/DD/YY	5/11/12	5/11/12
Time UTC	3:05	12:25
Volume (cu in.)	225in3	225in3
Wind (kts)	10kts SE	16 E
Sea State (m)	1m	1m
Water Depth (m)	2934.2m	4126.2m

General / Line Comments
SOL SP 5082
EOL SP 9102
SOL NOISY CHANNELS
EOL NOISY CHANNELS

Chief Science Officer	Dave Martinson		
Science Officer	Tom Spoto		
Acquisition Leader	Tom Spoto 12:00-24:00	Tina Thomas 00:00-12:00	Lisa Hawkins 12:00-24:00
Navigation Leader	Robb Hagg 12:00-24:00	Mike Martello 00:00-12:00	

Line	MGL
Sequence	004
Direction	102.64

Source Parameters	
Total Volume	160cu. in.
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	4m
Source Separation	n/a
COS to COS	

Recording Parameters	
Record Length	8
Total recording delay	0
Sample Rate	0.5ms
Polarity	N/A
Low-Cut	2Hz /12DB
Hi-Cut	103Hz/276 DB
Tape Format	SEGD rev. 2

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 Chargable SP
FCSP - First Chargable 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	Jean Lynch-Stieglitz
Area	Line Islands
Job Number	MGL1208

Chief Science Officer	Dave Martinson		
Science Officer	Tom Spoto		
Acquisition Leader	Tom Spoto 12:00-24:00	Tina Thomas 00:00-12:00	Lisa Hawkins 12:00-24:00
Navigation Leader	Robb Hagg 12:00-24:00	Mike Martello 00:00-12:00	

	SOL	EOL		
Tape #	008	008	FGSP	1023
SP #	1023	2425	LGSP	2425

Line	MGL120802A
Sequence	005
Direction	201.9

Streamer Parameters				
	1	2	3	4
Length (m)	900m			
Auxiliaries				
Shotpoint Interval: (m)	25m			
Offset CS - CNG (m)	152.7m			
Group Interval: (m)	12.5m			
Number of channels	72			
Streamer Depth (m)	4.0m			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	160cu. in.
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	4m
Source Separation	n/a
COS to COS	

Recording Parameters	
Record Length	8
Total recording delay	0
Sample Rate	0.5ms
Polarity	N/A
Low-Cut	2Hz /12DB
Hi-Cut	103Hz/276 DB
Tape Format	SEGD rev. 2

Description	SOL/FQCSP	EOL/LQCSP
Date MM/DD/YY	5/11/12	5/11/12
Time UTC	12:33	15:52
Volume (cu in.)	225in3	225in3
Wind (kts)	16 E	10 E
Sea State (m)	1m	1m
Water Depth (m)	4052.5m	2942.2m

Cable	EOL High Noise Channels (in u-bar)
1	
2	
3	
4	

ProMax - QC the above channels

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
SOL SP 1023
EOL SP 2425
SOL NOISY CHANNELS
EOL NOISY CHANNELS

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable 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	Jean Lynch-Stieglitz
Area	Line Islands
Job Number	MGL1208

Chief Science Officer	Dave Martinson		
Science Officer	Tom Spoto		
Acquisition Leader	Tom Spoto 12:00-24:00	Tina Thomas 00:00-12:00	Lisa Hawkins 12:00-24:00
Navigation Leader	Robb Hagg 12:00-24:00	Mike Martello 00:00-12:00	

	SOL	EOL		
Tape #	009		FGSP	1089
SP #	1089		LGSP	

Line	MGL120803A
Sequence	006
Direction	331.9

Streamer Parameters				
	1	2	3	4
Length (m)	900m			
Auxiliaries				
Shotpoint Interval: (m)	25m			
Offset CS - CNG (m)	152.7m			
Group Interval: (m)	12.5m			
Number of channels	72			
Streamer Depth (m)	4.0m			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	160cu. in.
Work Pressure	1950psi +/- 100psi
Dual Source	no
Depth	4m
Source Separation	n/a
COS to COS	

Recording Parameters	
Record Length	8
Total recording delay	0
Sample Rate	0.5ms
Polarity	N/A
Low-Cut	2Hz /12DB
Hi-Cut	103Hz/276 DB
Tape Format	SEGD rev. 2

Description	SOL/FQCSP	EOL/LQCSP
Date MM/DD/YY	05/11/12	5/11/12
Time UTC	15:55	
Volume (cu in.)	225in3	
Wind (kts)	10 E	
Sea State (m)	1m	
Water Depth (m)	2952m	

Cable	EOL High Noise Channels (in u-bar)
1	
2	
3	
4	

ProMax - QC the above channels

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
SOL SP 1089
EOL SP
SOL NOISY CHANNELS
EOL NOISY CHANNELS

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
FGSP- First Good SP	LCSP - Last Chargable SP
FCSP - First Chargable 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]