

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	02	08	FGSP	1211
SP #	1211	4560	LGSP	4371

Line	MGL0905_01
Sequence	001
Direction	345

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	16s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	01/04/09	01/04/09
Time UTC	03:39	22:49
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	E20kts	SW17.5kts
Sea State (ft)	6-9FT	3-5
Water Depth (m)	2600	94

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL - 03:39 FSP 1053 - MSRS recording errors, no data being collected
SP 1238 to 1250 Missed Shots - Digishot self disabled to Shooting OFF
SP 1262 - S2G4 Disabled due to timing errors
SP 1263 - S2G5 Enabled
SP 2882, 2883 - telemetry errors cause data loss - spiked tension
Copleted shooting over obs's on line 1
EOL SP 4560 Time 2249
Line Status:

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	

	SOL	EOL		
Tape #	09	10	FGSP	4072
SP #	4072	4852	LGSP	4852

Line	MGL0905_01R
Sequence	002
Direction	345

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	03/04/09	03/04/09
Time UTC	10:38	1547
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	16 e	7SE
Sea State (ft)	2-4	1-3
Water Depth (m)	365	85

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL - FGSP 4072 POS 22 34 '53.576" N, 119 40' 11.022" E
EOL- LGSP 4852 22 53 04.441N 119 28 34.282E
Early EOL DUE TO FISHING BOATS
Line Status:

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
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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
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	SOL	EOL		
Tape #	050012	050012	FGSP	1159
SP #	1158	1685S	LGSP	1685

Line	MGL0905_02
Sequence	003
Direction	218.4

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	03/04/09	03/04/09
Time UTC	16:47	2010
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	NW5.3KTS	NW5.3
Sea State (ft)	1-3	1-3FT
Water Depth (m)	83M	77M

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL FGSP 1159 POS 22 53 43.053N 119 23 21.671E
GUN STRING 4 GUN 4 CONTINUOUS AUTO FIRE DISABLED AT SHOT 1319
ENABLED GUN 5 STRING 4 AT SHOT 1320
EOL LGSP 1685 POS 22 42 48.390N 119 13 27.976E

Abbreviations	
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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
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Line Status:

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	SOL	EOL		
Tape #	050013	050017	FGSP	1022
SP #	1021	4348	LGSP	4348

Line	MGL0905_03
Sequence	004
Direction	153

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	03/04/09	04/04/09
Time UTC	2024	16:34
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	NE7.4	S19KTS
Sea State (ft)	1-3FT	2-5
Water Depth (m)	78M	3082

Cable	Erased Channels	Noisy/Weak Channels
1		117, 350
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL FGSP 1022 POS 22 41 55.724N 119 13 23.518E
0033 SP 1721 REEL CHANGE TO 050014
SP 2240 STRING 2 GUN04 DISABLED DUE TO TIMING ERRORS AND S2G05 ENABLED
EOL LGSP 4348 POS 21 21 15.136N 119 56 26.704E

Abbreviations	
SOL/EOL - Start/End of Line	LGSP - Last Good SP
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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
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NDR - No Data Recorded	ITB - Internal Time Break
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	SOL	EOL		
Tape #	050018	050020	FGSP	1060
SP #	1059	3122	LGSP	3122

Line	MGL_0905_04
Sequence	005
Direction	249.5

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	04/04/09	05/04/09
Time UTC	1703	0514
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	22SW	13 SW
Sea State (ft)	2-5	1-3
Water Depth (m)	3088	2688

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL FGSP 1060 FSP 1059 POS 21 19 35.981N 119 55 27.735E
21:40 TAPE CHANGE TO 19 AT SP 1749
0146 REEL CHANGE TO 20 SP 2460
SP 2781 turned spare S1G5, S3G5 off and Enabled S1G2
04:01 - SP 2898 - Disabled S1G2 due to auto fire errors, Enabled Spares S1G5 + S3G5
04:05 Intermitten noise across the cable. Possible debris caught on cable.
EOL LGSP 3122 POS 20 59' 54.359N 118 59' 43.341E
Line Status:

Abbreviations	
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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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Party Chief	Robert Steinhaus
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Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050021	050025	FGSP	814
SP #	814	4310	LGSP	4310

Line	MGL0905_05
Sequence	006
Direction	347.1

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	211			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	05/04/09	06/04/09
Time UTC	09:09	05:27
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	16N	25-30 N
Sea State (ft)	2-4	8 - 12 Ft
Water Depth (m)	2712	79.9

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 20 55.240N 119 01.128E FGSP 814
09:23 S1 G2 GIVING FALSE AUTO FIRE ERRORS
09:24 SP 849 S1 G2 DISABLED, ENABLED SPARES S1 G5, S2 G5 TO MAINTAIN 6600 VOLUME
12:25 SP 1512 REEL CHANGE TO REEL 22
tape change to 23 at 17:13 sp2215
1500 JMT INTERMINTANT SEA NOISE THROUGHOUT RECORDS SP 1810
0405 ship noise present on streamer at Head
EOL Position 22 27.39N 118.38.40E LGSP 4310
Line Status:

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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Job Number	MGL0905

Tech in Charge	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050026	050026	FGSP	1032
SP #	1032	1389	LGSP	1389

Line	MGL0905_06
Sequence	007
Direction	256.9

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	211			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	06/04/09	06/04/09
Time UTC	06:14	08:36
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	E 22	SE 21
Sea State (ft)	8-12	6-8
Water Depth (m)	76	75

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 22 28' 42.306N 118 37' 08.773E - Turn in Streamer
Intermittent Sea Noise Through Out Line.
08:08 Ship passing STBD Side- noise on streamer
EOL POS 22 26' 33.013N 118 27' 00.119E

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

Line Status:

Observers Log

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Party Chief	Robert Steinhaus
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Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050027		FGSP	1045
SP #	1045		LGSP	

Line	MGL0905_07
Sequence	008
Direction	152

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	06/04/09	
Time UTC	09:03	
Volume (cu in.)	6600	
Streamer Depth (m)	9	9
Wind (kts)	SW 21	
Sea State (ft)	6-8	
Water Depth (m)	81.6	

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL POS 22 25' 09.807N 118 25' 28.727E
 12:25 SP 1575 S1 G5 DISABLED DUE TO NO FIRE ERRORS, S3 G5 ENABLED
 13:25 SP 1744 - REEL CHANGE TO 28
 EOL POS 21 54 22.26N 118 42 48.34E LGSP 2305

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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Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050029	050029	FGSP	1168
SP #	1168	1442	LGSP	1442

Line	MGL0905_T7A
Sequence	009
Direction	305

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	06/04/09	06/04/09
Time UTC	1751	19:38
Volume (cu in.)	3660	3660
Streamer Depth (m)	13	9
Wind (kts)	10 N	10N
Sea State (ft)	3-5FT	3-5FT
Water Depth (m)	1516M	2076

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL POS 21 53 14.016N 118 40 47.061E FGSP1168 ONLY SHOOTING PORT SOURCE DUE TO GUN MAINTANANCE
 SP 1227 DROP CABLE TO 13 METERS
 SP 1288 CABLE IS BACK AT 9 METERS

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	

Line Status:

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Party Chief	Robert Steinhaus
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Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050030	050030	FGSP	N/A
SP #	1150	1228	LGSP	N/A

Line	MGL0905_08 DNP
Sequence	010
Direction	75

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	06/04/09	
Time UTC	2017	
Volume (cu in.)	3660	
Streamer Depth (m)	9	9
Wind (kts)	22KTS	
Sea State (ft)	3-5	
Water Depth (m)	2036	

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL POS 21 59 25.579N 118 34 19.969E SHOOTING ONLY STBD SOURCE GUNS 1 AND 2 VOLUME 3660
 EOL POS 21 59 29.8 N 118 36 3.3E EARLY EOL DUE TO TELEMETRY FAILURE ON STREAMER

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	

Line Status: DO NOT PROCESS

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050031	31	FGSP	1403
SP #	1403	1694	LGSP	1694

Line	MGL0905_08R
Sequence	011
Direction	75

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG				
Group Interval:				
Number of channels	468			
SOL Cable Noise, μ B				
EOL Cable Noise, μ B				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	07/04/09	07/04/09
Time UTC	0757	0946
Volume (cu in.)	6560	6560
Streamer Depth (m)	9	9
Wind (kts)	NW 26	NE 19
Sea State (ft)	6-8	6-8
Water Depth (m)	1135	1632

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments	
SOL POS 22 00'09.938N 118 41'36.672E	
SP 1673 S2G1 DISABLED, SPARES S1 G5 & S3 G5 ENABLED	
ENDED LINE EARLY DUE TO SEVERE AIR LEAK ON GUN STRING 2	
EOL POS 22 01' 00.407N 118 50' 01.107E	
Line Status:	DO NOT PROCESS

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	

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050032	050036	FGSP	1367
SP #	1367	4598	LGSP	4232

Line	MGL0905_08R1
Sequence	012
Direction	75

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	07/04/09	08/04/09
Time UTC	1407	0838
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	NW 20	w 22
Sea State (ft)	4-6	4-6
Water Depth (m)	1199	579

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL 22 00' 59.720N 118 40' 27.847E
SP 1431 MULTIPLE GUN FAILURES CONSISTANTLY - S4 G1 DISABLED, S3 G5 ENABLED
SP 1433 S4 G1 ENABLED, S3 G5 SET TO SPARE
SP 1444 SWITCH POWER TO SECONDARY POWER ON GUNSTRING 1 - PROBLEM APPEARS FIXED
SP 4233 Lost Telemetry on Streamer - continued down line to acquire OBS shotpoints.
EOL POS 22 19' 51.863N 120 11' 58.349E
Line Status: Complete

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	

Time UTC	FILE	SP	Tape	Description
14:07	001	1367	32	S1 G9 G10, S2 G6, S3 G6, S4 G6 NO FIRE
14:08	002	1368	32	S1 ALL GUNS NO FIRE
14:09	007	1372	32	S1 G1, S2 G1, S3 G1, S4 G1 NO FIRE
14:11	013	1378	32	S2 G1, S4 G1 NO FIRE
14:14	021	1386	32	S1 ALL BUT G1, S4 G2 NO FIRE
14:15	023	1388	32	S2 G1 NO FIRE
14:16	025	1390	32	S2 G1, S3 G1, S4 G1 G2 NO FIRE
14:16	026	1391	32	S2 G1 NO FIRE
14:16	027	1392	32	S1 G1, S2 G1, S3 G1, S4 G1 NO FIRE
14:17	028	1393	32	S2 G1, S3 G1 G3, S4 G1 NO FIRE
1417	029	1394	32	S1 G1, S2 G1, S3 G2 NO FIRE
1418	032	1397	32	S2 G2, S3 G2 G8, S4 G2 NO FIRE
1418	033	1398	32	S2 G1, S4 G1 NO FIRE
1419	035	1400	32	S2 G1 G7, S3 G7, S4 G1 NO FIRE
1420	036	1401	32	S2 G1, S4 G1 NO FIRE
1420	037	1402	32	S1 G1, S2 G1, S3 G1 NO FIRE
1421	039	1404	32	S2 G1, S4 G1 NO FIRE
1421	040	1405	32	S4 G1 NO FIRE
1422	044	1409	32	S2 G1, S3 G1, S4 G1 NO FIRE
1423	045	1410	32	S2 G1, S4 G1 NO FIRE
1424	047	1412	32	S2 G1, S3 G1, S4 G1 NO FIRE
1424	048	1413	32	S1 G1, S2 G1, S3 G1, S4 G1 NO FIRE
1425	050	1415	32	S2 G3 NO FIRE
1426	053	1418	32	S3 G3, S4 G3 NO FIRE
1427	058	1423	32	S4 G1 NO FIRE
1428	059	1424	32	S2 G4, S3 G4, S4 G4 NO FIRE
1429	061	1426	32	S3 G10, S4 G10 NO FIRE
1429	063	1428	32	S4 G1 NO FIRE
1431	068	1433	32	S2 G1, S3 G1 NO FIRE
1432	071	1436	32	S3 G1, S4 G1 NO FIRE
1432	072	1437	32	S2 G1, S3 G1 NO FIRE
1434	077	1442	32	S2 G1, S3 G1, S4 G1 NO FIRE
1435	079	1444	32	S1 FAIL - POWER SWITCHED TO SECONDARY
16:20	380	1746	32	S2G10 AUTO FIRE
16:36	441	1778	32	S2G10 AUTO FIRE
16:50	464	1831	32	S2G10 AUTO FIRE
18:11	701	2067	33	TAPE CHANGED TO 33
19:139	973	2339	33	S4 G05 AUTO FIRE , DISABLED AT THIS TIME
22:04	1401	2767	34	TAPE CHANGED TO 34
22:37	1504	2871	34	S2G10 AUTO FIRE
0125	1945	3316	34	SHIP NOISE SEEN IN DATA
0133	1974	3341	34	SHIP NOISE IS GONE
02:01	2101	3467	35	TAPE CHANGED TO 35
03:21	2299	3665	35	S2G10 AUTO FIRE
04:42	2542	3908	35	S2G10 AUTO FIRE
05:19	2747	4113	35	S2G10 AUTO FIRE
05:23	2758	4124	35	S2G10 AUTO FIRE
06:18	2801	4167	36	TAPE CHANGED TO 050036

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050037	050052	FGSP	1237
SP #	1211	12194	LGSP	12194

Line	MGL0905_10
Sequence	013
Direction	221

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, μ B				
EOL Cable Noise, μ B				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	08/04/09	11/04/09
Time UTC	17:12	05:46
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	9.7S	10.5 SW
Sea State (ft)	1-3	1-3
Water Depth (m)	603	3445

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL FGSP 1237 POS 22 23 01.108N 120 07 19.525E
LOST DATA FROM SP 2476 TO SP 2481 DUE TO A LOSS OF PRESSURE
EOL LGSP 12194 POS 18 38' 21.833N 116 41' 13.270E

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	

Line Status:

Time UTC	FILE	SP	Tape	Description
14:07	001	1367	32	S1 G9 G10, S2 G6, S3 G6, S4 G6 NO FIRE
14:08	002	1368	32	S1 ALL GUNS NO FIRE
14:09	007	1372	32	S1 G1, S2 G1, S3 G1, S4 G1 NO FIRE
14:11	013	1378	32	S2 G1, S4 G1 NO FIRE
14:14	021	1386	32	S1 ALL BUT G1, S4 G2 NO FIRE
14:15	023	1388	32	S2 G1 NO FIRE
18:34	240	1444	37	s2g10 autofire
20:05	484	1698	37	SHIP PASSING ON THE PORT SIDE 2.7 MILES AWAY
2100	700	1750	38	TAPE CHANGE TO 38
21:50	750	1980	38	SHIP PASSING LESS THEN 5 MILES AWAY
22:05	801	2013	38	s2g10 autofire
23:22	973	2185	38	S2G10 AUTO FIRE
0149	1352	2565	38	S2G10 AUTO FIRE
02:21	1449	2662	39	S2G10 AUTO FIRE
02:49	1534	2747	39	S2G10 AUTO FIRE
03:52	1743	2954	39	Ship noise present on streamer
04:25	1868	3079	39	S2G10 AUTO FIRE
05:34	2041	3032	39	S2G10 AUTO FIRE
05:38	2100	3311	40	TAPE CHANGE TO 40
09:04	2800	4011	41	TAPE CHANGE TO 41
09:39	2910	4121	41	S2G10 AUTO FIRE
10:25	3066	4277	41	S2G10 AUTO FIRE
11:10	3220	4431	41	S2G10 AUTO FIRE
12:29	3500	4700	42	TAPE CHANGE TO 42
14:08	3848	5059	42	S2G10 AUTO FIRE
14:37	3953	5164	42	Ship passing 2.4 NM STBD side - Noise on streamer
15:26	4200	5411	43	TAPE CHANGE TO 43
16:01	4252	5465	43	S2G10 AUTO FIRE
17:56	4628	5840	43	S2G10 AUTO FIRE
18:10	4674	5886	43	S2G10 AUTO FIRE
19:01	4888	6099	43	S2G10 AUTO FIRE
19:21	4900	6111	44	TAPE CHANGE TO 44
22:31	5547	6759	44	S2G10 AUTO FIRE
22:46	5600	6811	45	TAPE CHANGE TO 45
23:30	5737	6951	45	Ship noise present on streamer
23:34	5750	6964	45	S2G10 AUTO FIRE
00:34	5976	7138	45	S2G10 AUTO FIRE
01:34	6095	7508	45	S2G10 AUTO FIRE
02:47	6300	7511	46	TAPE CHANGE TO 46
03:28	6425	7637	46	S3G02 TIMING ERROR
04:20	6582	7793	46	S2 G10 AUTO FIRE
05:02	6706	7917	46	S3 G6 AUTO FIRE
05:14	6742	7953	46	S1 G7 NO FIRE
05:15	6744	7955	46	S1 G9 AUTO FIRE
05:17	6749	7960	46	S2 G2 NO FIRE
05:17	6750	7961	46	S1 G8 NO FIRE
05:17	6751	7962	46	S2 G10 AUTO FIRE
05:18	6752	7963	46	S1 G4, S2 G4 NO FIRE
05:25	6772	7983	46	S3 G1 TIMING ERROR

05:25	6773	7985	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:26	6774	7986	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:26	6776	7988	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:27	6777	7989	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:27	6778	7990	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:27	6779	7991	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:32	6794	8005	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:33	6795	8006	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:33	6796	8007	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:33	6797	8008	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:34	6798	8009	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:34	6799	8010	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:35	6801	8012	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:35	6803	8014	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:36	6804	8015	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:36	6805	8016	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:36	6806	8017	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:37	6807	8018	46	S3 G1 TIMING ERROR - ATTEMPTING TO DIAL IN MANUALLY
05:37	6808	8019	46	S2 G5, S3 G5 ENABLED - TIMING ERRORS
05:37	6809	8020	46	S2 G5, S3 G5 TIMING ERROR
06:44	7000	8211	47	TAPE CHANGE TO 47
07:21	7107	8318	47	S3 G6 AUTO FIRE
07:22	7112	8323	47	S3 G6 AUTO FIRE
08:25	7298	8509	47	Bridge reports ship passing on STBD side - Noise on streamer
10:19	1653	8864	47	Bridge reports ship passing on 5 NM on STBD side - Noise on streamer
10:20	7657	8867	47	S2 G10 AUTO FIRE
10:34	7700	8911	48	TAPE CHANGE TO 48
11:10	7805	9016	48	S2 G10 AUTO FIRE
12:57	8107	9318	48	S2 G10 AUTO FIRE
14:15	8317	9528	48	S2 G10 AUTO FIRE
14:45	8400	9611	49	TAPE CHANGE TO 49
15:34	8540	9751	49	S1 G6, S2 G6 NO FIRE
16:38	8714	9927	49	S3 G06 AUTO FIRE
18:58	9100	10311	50	TAPE CHANGE TO 50
20:51	9417	10692	50	S2G10 AUTO FIRE
21:51	9590	10805	50	S2G10 AUTO FIRE
23:03	9800	11015	51	TAPE CHANGE TO 51
00:17	10002	12214	51	S2G10 AUTO FIRE
00:28	10036	11248	51	S2G10 AUTO FIRE
00:51	10102	11315	51	S2G10 AUTO FIRE
01:08	11364	11364	51	S2G10 AUTO FIRE
02:14	10360	11585	51	S2G10 AUTO FIRE
02:29	10398	11610	51	S3G08 AUTO FIRE
02:36	10414	11631	51	S3G08 AUTO FIRE
02:59	10491	11703	51	S3G08 AUTO FIRE
03:23	10564	11777	51	S3G08 AUTO FIRE
03:12	10500	11721	52	TAPE CHANGE TO 52
03:39	10615	11825	52	S3G08 AUTO FIRE
04:22	10741	11952	52	S3G08 AUTO FIRE
04:29	10762	11973	52	S2 G10 AUTO FIRE
04:46	10810	12021	52	S3 G8 AUTO FIRE

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050053	050063	FGSP	8538
SP #	8538	1120	LGSP	1120

Line	MGL0905_17
Sequence	014
Direction	89

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	11/04/09	13/04/09
Time UTC	14:01	08:59
Volume (cu in.)	6240	6050
Streamer Depth (m)	9	9
Wind (kts)	21 N	11 SE
Sea State (ft)	2 - 4	1-3
Water Depth (m)	3725	3416

Cable	Erased Channels	Noisy/Weak Channels
1		117, 160 -175
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 19 00' 13.655N 117 05' 12.495E
SP 8500 - S3 G6 DISABLED DUE TO AUTO FIRE ERRORS
S1 G4, S2 G2, S3 G1, S4 G5 DISABLED DUE TO ERRORS
SP 6542 S3 G8 DISABLED DUE TO AUTO FIRES
SP 1259 - MISSED SHOT ON SYNTRAK DUE TO SHIP SPEED
SP 1254 - MISSED SHOT ON SYNTRAK DUE TO SHIP SPEED

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	

Line Status:

Time UTC	FILE	SP	Tape	Description
14:01	01	8538	53	S2 G9 NO FIRE, S3 G6 AUTO FIRE
14:06	13	8527	53	S3 G6 AUTO FIRE
14:09	19	8519	53	S3 G6 AUTO FIRE
14:10	22	8516	53	S3 G6 AUTO FIRE
14:14	32	8506	53	S3 G6 AUTO FIRE
14:14	33	8505	53	S3 G6 AUTO FIRE
14:15	34	8504	53	S3 G6 AUTO FIRE
14:17	38	8500	53	S3 G6 AUTO FIRE, GUN DISABLED DUE TO AUTO FIRE ERRORS
14:45	112	8426	53	S2 G10 AUTO FIRE
15:01	158	8382	53	S3G08 AUTO FIRE
15:29	229	8309	53	S3G08 AUTO FIRE
15:37	254	8286	53	S3G08 AUTO FIRE
16:04	325	8214	53	S2G10 AUTO FIRE
16:50	450	8084	53	S308 AUTO FIRE
17:04	493	8045	53	S2G10 AUTO FIRE
17:21	560	7996	53	S3G08 AUTO FIRE
18:16	700	7851	54	TAPE CHANGE TO 54
19:05	837	7705	54	S2G10 AUTO FIRE
20:19	1023	7705	54	S2G10 AUTO FIRE
21:13	1105	7374	54	S2G10 AUTO FIRE
21:49	1200	7296	54	S2G10 AUTO FIRE
22:41	1383	7157	54	S3G08 AUTO FIRE
22:48	1400	7138	55	TAPE CHANGE TO 55
23:10	1452	7085	55	S3G08 AUTO FIRE
23:13	1461	7077	55	S2G10 AUTO FIRE
00:18	1632	6906	55	S3G08 AUTO FIRE
01:47	1870	6664	55	S3G08 AUTO FIRE
02:05	1913	6624	55	S3G08 AUTO FIRE
02:27	1980	6565	55	S2 G8 AUTO FIRE
03:13	2100	6438	56	TAPE CHANGE TO 56
04:08	2251	6297	56	S1 G2 NO FIRE
04:50	2374	6164	56	S2 G10 AUTO FIRE
05:35	2512	6028	56	S1 G2 NO FIRE
05:39	2523	6015	56	S1 G2 NO FIRE
05:49	2555	5985	56	S1 G8 G9 NO FIRE
06:03	2596	5942	56	S2 G10 AUTO FIRE
06:43	2717	5822	56	S1 G8 NO FIRE
07:10	2800	5738	57	TAPE CHANGE TO 57
09:46	3267	5271	57	S2 G10 AUTO FIRE
10:00	3305	5233	57	S3 G6 AUTO FIRE
11:10	3500	5038	58	TAPE CHANGE TO 58
12:19	3688	4850	58	S2 G10 AUTO FIRE
12:23	3697	4841	58	S1 G5 NO FIRE
13:05	3813	4727	58	S1 G2 NO FIRE, S2 G10 AUTO FIRE
13:10	3826	4712	58	S1 G2 NO FIRE
13:21	3857	4682	58	S1 G2 NO FIRE
13:26	3885	4654	58	S3 G6 AUTO FIRE
13:33	3891	4648	58	S3 G6 AUTO FIRE
13:41	3909	4629	58	S1 G2 NO FIRE

13:45	3921	4618	58	S3 G6 AUTO FIRE
13:45	3925	4616	58	S3 G6 AUTO FIRE
13:48	3930	4609	58	S2 G10 AUTO FIRE
13:52	3940	4599	58	S1 G2 NO FIRE, S3 G6 AUTO FIRE
13:52	3942	4597	58	S3 G6 AUTO FIRE
13:53	3950	4589	58	S3 G6 AUTO FIRE
13:55	3953	4586	58	S3 G6 AUTO FIRE
13:56	3956	4583	58	S3 G6 AUTO FIRE
13:57	3956	4575	58	S3 G6 AUTO FIRE
14:00	3964	4572	58	S3 G6 AUTO FIRE
14:01	3967	4568	58	S3 G6 AUTO FIRE
14:03	3970	4567	58	S3 G6 AUTO FIRE
14:03	3971	4565	58	S3 G6 AUTO FIRE
14:04	3973	4563	58	S3 G6 AUTO FIRE
14:05	3975	4557	58	S1 G2 NO FIRE
14:07	3981	4556	58	S3 G6 AUTO FIRE
14:07	3982	4554	58	S3 G6 AUTO FIRE
14:08	3984	4550	58	S3 G6 AUTO FIRE
14:09	3988	4549	58	S3 G6 AUTO FIRE
14:10	3989	4548	58	S3 G6 AUTO FIRE
14:10	3990	4546	58	S3 G6 AUTO FIRE
14:11	3992	4545	58	S3 G6 AUTO FIRE
14:11	3993	4544	58	S3 G6 AUTO FIRE - S3 G6 DISABLED DUE TO AUTO FIRES
14:12	3994	4537	58	S1 G2 NO FIRE
14:14	4002	4537	58	S1 G2 NO FIRE
14:19	4014	4525	58	S1 G1 NO FIRE
14:31	4045	4494	58	S1 G8 NO FIRE
14:41	4073	4466	58	S1 G1 NO FIRE
14:55	4111	4428	58	S1 G1 NO FIRE
14:57	4115	4424	58	S1 G8 NO FIRE
15:11	4151	4387	58	S1 G3 NO FIRE
15:12	4152	4386	58	S1 G1 NO FIRE
15:19	4170	4368	58	S1 G1 NO FIRE
15:21	4176	4363	58	S1 G3 NO FIRE
15:29	4199	4340	58	S1 G1 NO FIRE
15:30	4200	4338	59	TAPE CHANGE TO 59
15:45	4241	4296	59	S2G10 AUTO FIRE
16:04	4294	4245	59	S1G02 NOFIRE
16:19	4334	4183	59	S1G01 NO FIRE
16:26	4356	4183	59	S1G02,S1G03 NO FIRE
17:52	4593	3858	59	S3G06 AUTO FIRE
18:25	4680	3858	59	S1G03 AUTO FIRE
18:27	4691	3848	59	S1G01,AND S1G02 NO FIRE
18:28	4695	3843	59	S1G01 NO FIRE
18:35	4715	3826	59	S1G01 NO FIRE
18:40	4726	3811	59	S1G02 NOFIRE
18:45	4741	3797	59	S1G01 NO FIRE
19:23	4860	3680	59	S1G01,S1G03 NO FIRE
19:25	4866	3675	59	S1G08,S1G01 NO FIRE
19:30	4898	3641	59	S1G01 NO FIRE
19:36	4898	3641	59	S1G02 NOFIRE

19:37	4900	3638	60	TAPE CHANGE TO 60
19:48	4933	3607	60	S1G03 NO FIRE
20:07	5000	3539	60	S1G03 NO FIRE
20:32	5088	3451	60	S1G03 NO FIRE
20:36	5101	3438	60	S1G05 NO FIRE
20:38	5107	3432	60	S1G02 NOFIRE
20:43	5126	3414	60	S1G07 NO FIRE
20:53	5163	3376	60	S2G10 AUTO FIRE
20:56	5171	3367	60	S1G03 NO FIRE
21:07	5208	3330	60	S1G07 NO FIRE
21:14	5234	3304	60	S1G08,S1G01 NO FIRE
21:18	5249	3290	60	S1G03 NO FIRE
21:30	5288	3250	60	S1G05 NO FIRE
21:37	5315	3223	60	S1G07 NO FIRE
21:48	5396	3185	60	S1G01 NO FIRE
22:08	5426	3112	60	S1G02 NOFIRE
22:23	5498	3030	60	DIVING BIRDS TO 25M DUE TO SHIP NEAR THE TAIL BOUY
22:30	5503	3035	60	RETURNING BIRDS TO 9 M DUE TO SHIP CLEAR OF THE TAIL BOUY
23:00	5600	2938	61	TAPE CHANGED TO 61
23:09	5628	2911	61	S1G01, S1G02 NO FIRE
00:41	2898	2641	61	S1G03 NO FIRE
00:49	5916	2621	61	S1G01 NO FIRE
00:50	5920	2619	61	S1G05 NO FIRE
00:51	5921	2617	61	S1G02,S1G03 NO FIRE
01:02	5946	2592	61	S1G01 NO FIRE
01:03	5949	2589	61	S1G01 NO FIRE
01:18	5986	2552	61	S1G02 NOFIRE
01:38	6037	2501	61	S1G01 NO FIRE
02:00	6098	2441	61	S1G05 NO FIRE
02:27	6176	2361	61	S1G02 NOFIRE
02:28	6177	2361	61	S1G02 NOFIRE
03:05	6300	2203	62	TAPE CHANGE TO 62
03:31	6376	2162	62	S1G03 NO FIRE
03:47	6425	2113	62	S1 G3 NO FIRE
03:48	6428	2110	62	S1 G3 NO FIRE
03:48	6429	2109	62	S1 G1, G2 NO FIRE
03:49	6430	2108	62	S1 G2 NO FIRE
03:51	6438	2100	62	S2 G10 AUTO FIRE
03:55	6442	2096	62	S1 G3 NO FIRE
05:57	6444	2094	62	S1 G1 NO FIRE
03:57	6455	2083	62	S1 G3 NO FIRE
03:59	6460	2078	62	S1 G3 NO FIRE
04:02	6468	2070	62	S1 G2 NO FIRE, S2 G10 AUTO FIRE
04:12	6946	2042	62	S1 G2 NO FIRE
04:14	6505	2035	62	S1 G1 NO FIRE
04:17	6512	2028	62	S1 G1 NO FIRE
04:27	6542	1998	62	S1 G3 NO FIRE
04:28	6545	1995	62	S1 G1, G2 NO FIRE
04:30	6549	1991	62	S1 G1 NO FIRE
04:33	6559	1981	62	S1 G1 NO FIRE

04:34	.6561	1979	62	S1 G1 NO FIRE
04:34	6562	1978	62	S1 G1, G2 NO FIRE
04:35	6563	1977	62	S1 G3 NO FIRE
04:35	6564	1976	62	S1 G3 NO FIRE
0436	6568	1972	62	S1 G1 NO FIRE
0437	6570	1970	62	S1 G1, G2 NO FIRE
0437	6571	1969	62	S1 G3 NO FIRE
0438	6572	1968	62	S1 G2 NO FIRE
04:41	6582	1958	62	S1 G3 NO FIRE
04:44	6591	1949	62	S1 G3 NO FIRE
04:46	6595	1945	62	S1 G3 NO FIRE
04:48	6601	1939	62	S1 G1, G2 NO FIRE
04:48	6602	1938	62	S1 G1, G2 NO FIRE
04:50	6607	1933	62	S1 G1, G2 NO FIRE
04:53	6615	1925	62	S1 G2 NO FIRE
04:57	6626	1914	62	S1 G1 NO FIRE
0500	6635	1905	62	S2 G10 AUTO FIRE
0501	6640	1900	62	S1 G3 NO FIRE
0504	6646	1894	62	S1 G2 NO FIRE
0504	6648	1892	62	S1 G2 NO FIRE
0505	6650	1890	62	S2 G10 AUTO FIRE
0506	6654	1886	62	S1 G8 NO FIRE
0508	6659	1881	62	S1 G7 NO FIRE
0508	6660	1880	62	S1 G2, G3, G8 NO FIRE
0511	6668	1872	62	S1 G1 NO FIRE
0511	6669	1871	62	S1 G8 NO FIRE
0512	6671	1868	62	S1 G1 NO FIRE
0513	6672	1867	62	S1 G1 NO FIRE
0516	6683	1856	62	S1 G1, G3 NO FIRE
0517	6685	1854	62	S1 G1 NO FIRE
0522	6691	1840	62	S1 G1 NO FIRE
0524	6697	1834	62	S1 G1 NO FIRE
0531	7118	1813	62	S1 G1 NO FIRE
0536	7132	1799	62	S1 G1 NO FIRE
0546	7160	1771	62	S1 G3 NO FIRE
0546	7162	1769	62	S1 G1 NO FIRE
0547	7164	1767	62	S1 G1, G2, G5, G6, G7 NO FIRE
0553	7182	1749	62	S1 G2 NO FIRE
0554	7184	1747	62	S2 G10 AUTO FIRE
0602	7208	1723	62	S2 G10 AUTO FIRE
0603	7212	1719	62	S1 G1 NO FIRE
0610	6842	1698	62	S1 G6, G7 NO FIRE
0615	6856	1684	62	S1 G1 NO FIRE
0617	6865	1675	62	S1 G1, G2 NO FIRE
0623	6884	1656	62	S1 G2 NO FIRE
06:30	6906	1634	62	S1 G1 NO FIRE
06:31	6909	1631	62	S1 G1 NO FIRE
06:31	6911	1629	62	S1 G1 NO FIRE
0636	6926	1614	62	S1 G1 NO FIRE
0638	6934	1606	62	S1 G5 NO FIRE
0642	6945	1595	62	S1 G2 NO FIRE

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050064	050069	FGSP	9911
SP #	9911	6324	LGSP	6324

Line	MGL0905_15
Sequence	015
Direction	308

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date dd/mm/yy	13/04/09	14/04/09
Time UTC	17:50	12:52
Volume (cu in.)	6420	6420
Streamer Depth (m)	9	9
Wind (kts)	5.8KTS	4.4 N
Sea State (ft)	1-3FT	1-3
Water Depth (m)	3362	2639

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 18 46 15.738N 120 22 19.683E
EOL POS 19 46' 06.551N 119 01' 39.387E

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	

Line Status:

Time UTC	FILE	SP	Tape	Description
18:30	196	9806	64	S1G05 NO FIRE
18:32	110	9803	64	S3G08 AUTO FIRE
18:32	112	9801	64	S3G08 AUTO FIRE
18:33	113	9800	64	S1G02 NO FIRE
18:38	128	9795	64	S1G04 NO FIRE
19:54	341	9572	64	S1G07 NO FIRE
20:04	369	9544	64	S1G05 NO FIRE
20:12	394	9521	64	S1G02 NO FIRE
20:22	421	9491	64	S2G02 No Fire
20:42	477	9436	64	S2G10 Auto Fire
21:56	701	9212	65	Reel Change to 65
00:00	1103	8810	65	Mid-Night Shot Point
00:18	1166	8747	65	S1G01 Auto Fire
00:20	1173	8740	65	S1G01 Auto Fire
00:21	1178	8735	65	S1G01 Auto Fire
00:21	1177	8734	65	S1G01 Auto Fire
00:22	1181	8730	65	S1G01 Auto Fire
00:26	1192	8719	65	S1G01 Auto Fire
00:28	1199	8712	65	S1G01 Auto Fire
00:29	1203	8708	65	S3G07 Auto Fire
00:33	1216	8695	65	S1G01 No Fire
00:35	1223	8688	65	S1G01 Auto Fire
00:39	1239	8672	65	S1G01 No Fire
00:40	1243	8668	65	S1G01 No Fire
00:44	1257	8654	65	S3G08 Auto Fire
00:46	1262	8649	65	S1G01 Auto Fire
00:48	1269	8642	65	S1G01 Auto Fire
00:48	1270	8641	65	S1G01 Auto Fire
00:54	1291	8620	65	S3G08 Auto Fire
00:57	1299	8612	65	S1G01 Auto Fire
01:03	1325	8592	65	S1G01 Auto Fire
01:12	1357	8560	65	S1G01 Auto Fire
01:12	1358	855	65	S1G01 & S3G08 Auto Fire
01:15	1365	8552	65	S1G01 Auto Fire
01:23	1393	8524	65	S1G01 Auto Fire
01:23	1393	8524	65	S1G01 Disable & Enable S3G05
01:23	1392	8523	65	S3G05 Misfire (New Souce Volume 6420 in3)
01:24	1391	8522	65	S3G05 Misfire
01:27	1401	8512	66	Reel Change TO 66
01:35	1430	8487	66	S3G05 MisFire
01:36	1441	8476	66	S3G08 Auto Fire
01:47	1470	8447	66	S3G08 Auto Fire
02:00	1509	8406	66	Ship Noise NMO 5-10 ubar
02:14	1555	8360	66	Ship Noise Abeam 5-10 ubar
02:24	1585	8330	66	Ship Noise No Longer Visible

03.03	1705	8210	66	S2G10 Auto Fire
03.04	1707	8208	66	S2G10 Auto Fire
03.06	1711	8202	66	S2G10 Auto Fire
03.22	1762	8251	66	S2G10 Auto Fire
03.53	1861	8151	66	S3G08 Auto Fire
03.56	1872	8054	66	S3G08 Auto Fire
04.01	1888	8043	66	S3G08 Auto Fire
04.02	1893	8022	66	S2G10 Auto Fire
04.06	1906	8009	66	S3G01 Misfire
04.31	1990	7925	66	S3G08 Auto fire
04.38	2014	7901	66	S1G06 No Fire
04 59	2086	7829	66	S3G08 Auto fire
05 02	2096	7819	66	S2 G10 Auto Fire
05 03	2100	7815	67	TAPE CHANGE TO 67
05 06	2112	7803	67	S3 G1 Timing Err
05 16	2144	7771	67	S3 G08 Auto Fire
05 23	2168	7747	67	S3 G1 Timing Err
05 39	2221	7694	67	S3 G1 Timing Err
05 56	2276	7639	67	S3 G8 Auto Fire
05 58	2283	7632	67	S1 G2 No fire
06 08	2314	7599	67	S3 G8 Auto Fire
06 10	2321	7592	67	S3 G1 Timing Err
06 14	2331	7582	67	S3 G8 Auto Fire
06 18	2348	7567	67	S3 G8 Auto Fire
06 45	2439	7486	67	S3 G1 Timing Err
06 48	2430	7477	67	S3 G8 Auto Fire
07 10	2505	7410	67	S3 G8 Auto Fire
07 11	2509	7406	67	S3 G8 Auto Fire
07 13	2515	7400	67	S3 G8 Auto Fire
07 18	2531	7384	67	S3 G1 Timing Err
07 26	2560	7355	67	S3 G8 Auto Fire
07 28	2561	7354	67	S3 G8 Auto Fire
07 38	2589	7326	67	S3 G1 Timing Err
07 40	2595	7320	67	S3 G1 Timing Err
07 48	2620	7295	67	S3 G1 Timing Err
08 10	2686	7229	67	S3 G1 Timing Err
08 23	2729	7186	67	S3 G8 Auto Fire
08 33	2758	7157	67	S3 G8 Auto Fire
08 34	2762	7153	67	S3 G8 Auto Fire
08 44	2795	7120	67	S3 G8 Auto Fire
08 46	2800	7115	68	Reel Change to 68
08 55	2830	7085	68	S3 G1 Timing Err
08 58	2839	7076	68	S3 G1 Timing Err
09 06	2864	7051	68	S3 G1 Timing Err
09 23	2919	6996	68	S3 G1 Timing Err
09 26	2928	6987	68	S3 G1 Timing Err

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050070	050071	FGSP	9542
SP #	9542	10796	LGSP	10796

Line	MGL0905_19
Sequence	016
Direction	90

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/14/09	04/14/09
Time UTC	14:09	2020
Volume (cu in.)	6420	6420
Streamer Depth (m)	9	9
Wind (kts)	7.6 N	9N
Sea State (ft)	1-2	1-3FT
Water Depth (m)	3327	3492M

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 19 50' 24.579N 119 04' 48.393E
SP 9816, 9819, 9822 - Missed shots due to sudden current
EOL POS 19 49 58.421N 119 40 30.900E

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	

Line Status:

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050072	050081	FGSP	986
SP #	0985	7332	LGSP	7332

Line	MGL0905_20
Sequence	SEQ 17
Direction	352

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/14/09	04/16/09
Time UTC	2225	922
Volume (cu in.)	6420	6240
Streamer Depth (m)	9	9
Wind (kts)	SECTS	6.5 sw
Sea State (ft)	1-3FT	1-3
Water Depth (m)	3418M	79

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 19 49 42.095N 119 38 39.949E
sp 3220 missed shot
EOL POS 22 39' 47.044N 119 31' 41.265E
Line Status:

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	

Time UTC	FILE	SP	Tape	Description
23:08	118	1103	72	S3G08 AUTO FIRE
00:06	270	1255	72	S3G08 AUTO FIRE
00:25	319	1305	72	S3G08 AUTO FIRE
00:38	361	1346	72	S3G08 AUTO FIRE
00:45	379	1364	72	S3G08 AUTO FIRE
00:47	383	1368	72	S2G07 NO FIRE
00:57	410	1396	72	S3G08 AUTO FIRE
00:58	415	1401	72	S3G08 AUTO FIRE
01:03	428	1413	72	S3G08 AUTO FIRE
01:20	426	1461	72	S3G08 AUTO FIRE
01:31	509	1493	72	S1G10 AUTO FIRE
02:21	652	1638	72	S1G10 AUTO FIRE
02:29	678	1663	72	S3G08 AUTO FIRE
02:32	687	1672	72	S3G08 AUTO FIRE
02:35	695	1680	72	S3G08 AUTO FIRE
02:37	700	1685	73	REEL CHANGE TO 7.
02:42	714	1699	73	S1G10 AUTO FIRE
02:42	715	1700	73	S1G08 AUTO FIRE
02:43	718	1703	73	S2G07 NO FIRE
02:47	727	1712	73	S2G07 NO FIRE
02:47	727	1713	73	S1G08 AUTO FIRE
02:51	238	1723	73	S3G08 AUTO FIRE
02:52	742	1726	73	S3G02 TIMING ERROR
03:12	794	1779	73	S2G07 NO FIRE
03:12	797	1781	73	S2G07 COMM ERROR
03:20	819	1803	73	S2G07 NO FIRE
03:27	857	1821	73	S2G07 NO FIRE
03:32	850	1835	73	S2G07 NO FIRE

03:51	903	1886	73	S3 G8 AUTO FIRE
03:56	916	1899	73	S2 G7 NO FIRE
03:59	927	1909	73	S3 G8 AUTO FIRE
04:04	937	1920	73	S2 G7 NO FIRE
04:06	943	1926	73	S3 G8 AUTO FIRE
04:13	962	1945	73	S2 G7 NO FIRE
04:29	1002	1895	73	S3 G8 AUTO FIRE
04:30	1006	1989	73	S3 G8 AUTO FIRE
04:34	1013	1996	73	S2 G7 NO FIRE
04:38	1026	2009	73	S2 G7 NO FIRE, S3 G8 AUTO FIRE
04:40	1031	2014	73	S2 G7 NO FIRE
04:42	1034	2017	73	S3 G8 AUTO FIRE
04:42	1036	2019	73	S2 G7 NO FIRE
04:43	1037	2020	73	S2 G7 NO FIRE
04:46	1046	2029	73	S2 G7 NO FIRE
04:49	1053	2036	73	S2 G7 NO FIRE
05:03	1087	2070	73	S2 G7 NO FIRE
05:06	1095	2078	73	S2 G7 NO FIRE
05:07	1097	2080	73	S2 G7 NO FIRE
05:14	1115	2098	73	S2 G7 NO FIRE
05:14	1117	2100	73	S2 G7 NO FIRE
05:20	1132	2115	73	S2 G7 NO FIRE
05:22	1136	2119	73	S2 G7 NO FIRE
05:26	1147	2130	73	S2 G7 NO FIRE
05:27	1149	2132	73	S2 G7 NO FIRE
05:30	1157	2140	73	S2 G7 NO FIRE
05:31	1154	2142	73	S2 G7 NO FIRE
05:36	1173	2156	73	S2 G7 NO FIRE
05:42	1188	2171	73	S2 G7 NO FIRE
05:42	1189	2172	73	S3 G8 AUTO FIRE
05:43	1190	2173	73	S2 G7 NO FIRE
05:45	1197	2180	73	S2 G7 NO FIRE

05:46	1198	2181	73	S2 G7 NO FIRE
05:47	1201	2184	73	S2 G7 NO FIRE
05:47	1202	2185	73	S2 G7 NO FIRE
05:48	1203	2186	73	S2 G7 NO FIRE
05:53	1218	2201	73	S2 G7 NO FIRE
05:54	1219	2202	73	S2 G7 NO FIRE, S2 G10 AUTO FIRE
05:53	1221	2204	73	S2 G7 NO FIRE
06:09	1258	2241	73	S3 G8 AUTO FIRE
06:24	1299	2282	73	S3 G8 AUTO FIRE
06:42	1349	2232	73	S3 G8 AUTO FIRE
06:43	1351	2234	73	S3 G8 AUTO FIRE
06:55	1384	2367	73	S3 G8 AUTO FIRE
07:00	1400	2383	74	REEL CHANGE TO 7:
07:01	1401	2384	74	S3 G8 AUTO FIRE
07:05	1415	2398	74	S3 G8 AUTO FIRE
07:12	1434	2417	74	S3 G8 AUTO FIRE
07:13	1438	2421	74	S2 G7 NO FIRE
07:17	1449	2432	74	S3 G8 AUTO FIRE
07:27	1476	2459	74	S2 G7 NO FIRE
07:34	1497	2480	74	S3 G8 AUTO FIRE
07:41	1516	2499	74	S3 G8 AUTO FIRE
07:44	1526	2509	74	S3 G8 AUTO FIRE
07:47	1535	2518	74	S3 G8 AUTO FIRE
07:54	1559	2542	74	S3 G8 AUTO FIRE
07:57	1570	2553	74	S3 G8 AUTO FIRE
07:59	1574	2557	74	S3 G8 AUTO FIRE
08:09	1607	2590	74	S1 G3 NO FIRE
08:09	1609	2592	74	S3 G8 AUTO FIRE
08:24	1645	2645	74	S2 G7 NO FIRE
08:44	1730	2718	74	S2 G7 NO FIRE
08:51	1748	2742	74	S2 G7 NO FIRE
08:53	1755	2749	74	S1 G3 NO FIRE
09:05	1799	2793	74	S2 G7 NO FIRE
09:09	1812	2806	74	S2 G7 NO FIRE
09:10	1817	2811	74	S2 G7 NO FIRE
09:12	1821	2815	74	S2 G7 NO FIRE
09:13	1827	2821	74	S1 G3 NO FIRE, S1 G4 NO FIRE

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050082	050082	FGSP	1076
SP #	1076	1450	LGSP	1450

Line	MGL0905_21
Sequence	018
Direction	240

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/16/09	04/16/09
Time UTC	09:56	1216
Volume (cu in.)	6240	6240
Streamer Depth (m)	9	9
Wind (kts)	12 w	16 NW
Sea State (ft)	1-3	1-3
Water Depth (m)	73	70

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 22 41' 11.566N 119 09' 41.646E
EOL POS 22 34' 57.751N 119 09' 20.574E

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	

Line Status:

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050083	050086	FGSP	1008
SP #	1008	3685	LGSP	3685

Line	MGL0905_22
Sequence	019
Direction	170

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/16/09	04/17/09
Time UTC	1218	0347
Volume (cu in.)	6240	6240
Streamer Depth (m)	9	9
Wind (kts)	17W	10NE
Sea State (ft)	1-3	2-4
Water Depth (m)	70	2968

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 22 34' 50.976N 119 00' 17.091E
EOL POS 21 23' 45.956N 119 12' 47.441E

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	

Line Status:

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050087	050090	FGSP	881
SP #	881	2996	LGSP	2996

Line	MGL0905_23
Sequence	020
Direction	90

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/17/09	04/18/09
Time UTC	13:00	04:43
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	16 NW	27 N
Sea State (ft)	2-4	6-8
Water Depth (m)	2852	2996

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL POS 21 24' 59.743N 119 09' 01.536E
 EOL POS 21 25' 39.482N 120 10' 13.352E
 LINE ENDED TO CHANGE RECORD LENGTH TO 18 SECONDS

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	

Line Status:

Time UTC	FILE	SP	Tape	S
13:00	2	882	87	S2 G1 TIMING ERROR
13:09	20	899	87	S1 G1 AUTO FIRE
13:13	27	906	87	S4 G1 AUTO FIRE
13:14	29	908	87	S1 G1 AUTO FIRE
13:15	31	910	87	S4 G1 AUTO FIRE
13:22	44	923	87	S4 G1 AUTO FIRE
13:26	52	931	87	S4 G1 AUTO FIRE
13:28	55	934	87	S1 G1 AUTO FIRE
13:28	56	935	87	S4 G1 AUTO FIRE
13:30	58	937	87	S4 G1 AUTO FIRE
13:34	67	946	87	S1 G1 AUTO FIRE
13:40	78	957	87	S4 G1 AUTO FIRE
13:46	91	970	87	S4 G1 AUTO FIRE
13:54	106	985	87	S4 G1 AUTO FIRE
14:07	130	1011	87	S1 G1 AUTO FIRE
14:16	149	1028	87	S1 G1 AUTO FIRE
14:26	169	1048	87	S4 G1 AUTO FIRE
14:26	170	1049	87	S1 G1 AUTO FIRE
14:30	177	1056	87	S1 G1 AUTO FIRE
14:31	178	1057	87	S1 G1 AUTO FIRE
14:36	188	1067	87	S4 G1 AUTO FIRE
14:38	192	1071	87	S1 G1 AUTO FIRE
14:38	193	1072	87	S3 G6 AUTO FIRE
14:45	206	1085	87	S2 G10 AUTO FIRE
14:47	211	1090	87	S1 G1 AUTO FIRE
15:01	239	1118	87	S1 G1 AUTO FIRE
15:14	263	1142	87	S4 G1 AUTO FIRE
15:20	276	1155	87	S1 G1 AUTO FIRE
15:21	279	1158	87	S1 G1 AUTO FIRE
15:24	284	1163	87	S3 G6 AUTO FIRE
15:29	295	1174	87	S4 G1 AUTO FIRE
15:33	304	1183	87	S1 G1 AUTO FIRE
15:37	311	1190	87	S1 G1 AUTO FIRE, S3 G6 AUTO FIRE
15:38	314	1193	87	S3 G6 AUTO FIRE
15:39	315	1194	87	S1 G1 AUTO FIRE
15:42	321	1202	87	S3 G6 AUTO FIRE
15:44	325	1206	87	S1G01 AUTO FIRE
15:45	327	1208	87	S3 G6 AUTO FIRE
15:50	337	1219	87	S2 G02 TIMING ERROR
15:55	350	1229	87	S2 G06 AUTO FIRE
15:58	359	1239	87	S3 G6 AUTO FIRE
16:00	360	1241	87	S3 G6 AUTO FIRE
16:00	361	1242	87	S3 G6 AUTO FIRE
16:02	364	1244	87	S1 G01 AUTO FIRE
16:07	376	1256	87	S3 G6 AUTO FIRE
16:10	381	1262	87	S4 G1 AUTO FIRE
16:12	384	1265	87	S3 G6 AUTO FIRE
16:13	389	1269	87	S3 G06, S1 G01 AUTO FIRE
16:16	394	1275	87	S3 G06, S1 G01 AUTO FIRE
16:17	396	1276	87	S3 G06 AUTO FIRE
16:19	401	1282	87	S3 G06 AUTO FIRE
16:20	403	1284	87	S3 G06 AUTO FIRE
16:22	407	1288	87	S3 G06 AUTO FIRE
16:23	411	1292	87	S3 G06 AUTO FIRE
16:24	412	1293	87	S3 G06 AUTO FIRE
16:25	413	1296	87	S3 G06 , S2 G06 DISABLED DUE TO ERRORS ON S3 G0 S3G05 ENABLED SOURCE VOLUME STILL 6600 IN:
16:25	413	1297	87	S1 G01 AUTO FIRE
16:26	418	1298	87	S4 G1 AUTO FIRE
16:43	449	1339	87	S2 G10 AUTO FIRE

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050091	050094	FGSP	3000
SP #	3000	4870	LGSP	4870

Line	MGL0905_23A
Sequence	021
Direction	89

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	18s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/18/09	04/18/09
Time UTC	04:46	17:21
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	27N	25N
Sea State (ft)	6-8	6-8
Water Depth (m)	2835	1365

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL POS 21 25' 39.560N 120 10'20.303E
 MISSED SHOTS 4212, 4214
 EOL DUE TO LACK OF TENSION ON THE CABLE, (HAD TO SLOW DOWN DUE TO LONGER RECORDS)
 EOL SP 4870 MISSED SHOTS 4870 TO 4873 DUE TO RECORD LEGTH ADJUSTMENT

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	

Line Status:

Time UTC	FILE	SP	Tape	Description
04:47	4	3002	91	S1 G1 AUTO FIRE
04:63	16	3014	91	S1 G1 AUTO FIRE
04:53	17	3015	91	S1 G1 AUTO FIRE
04:57	25	3023	91	S2 G10 AUTO FIRE
04:59	30	3028	91	S1 G1 AUTO FIRE
05:13	56	3054	91	S1 G1 AUTO FIRE
05:13	57	3055	91	S2 G10 AUTO FIRE, S1 G1 AUTO FIRE
05:15	62	3060	91	S1 G1 AUTO FIRE
05:18	66	3064	91	S2 G10 AUTO FIRE
05:23	76	3074	91	S1 G1 AUTO FIRE
05:29	87	3085	91	S1 G1 AUTO FIRE
05:33	94	3092	91	S1 G1 AUTO FIRE
05:41	109	3107	91	S1 G1 AUTO FIRE
05:47	120	3119	91	S1 G1 AUTO FIRE
05:48	123	3121	91	S2 G10 AUTO FIRE
06:02	151	3149	91	S1 G1 AUTO FIRE
06:21	187	3185	91	S1 G1 AUTO FIRE
06:22	188	3186	91	S1 G1 AUTO FIRE
06:29	201	3199	91	S2 G10 AUTO FIRE
06:35	213	3211	91	S1 G1 AUTO FIRE
06:36	215	3213	91	S1 G1 AUTO FIRE
06:53	247	3245	91	S1 G1 AUTO FIRE
06:56	253	3251	91	S1 G1 AUTO FIRE
06:57	255	3253	91	S1 G1 AUTO FIRE
07:03	268	3266	91	S2 G10 AUTO FIRE, S1 G1 AUTO FIRE
07:09	278	3276	91	S1 G1 AUTO FIRE
07:23	308	3306	91	S1 G1 AUTO FIRE

07:28	315	3313	91	S1 G1 AUTO FIRE
07:36	327	3253	91	S1 G1 AUTO FIRE
07:36	328	3256	91	S1 G1 AUTO FIRE
07:37	329	3257	91	S1 G1 AUTO FIRE
07:37	331	3329	91	S1 G1 AUTO FIRE
07:54	361	3359	91	S1 G1 AUTO FIRE
08:02	378	3376	91	S2 G10 AUTO FIRE, S1 G1 AUTO FIRE
08:04	380	3378	91	S1 G1 AUTO FIRE
08:14	398	3396	91	S1 G1 AUTO FIRE
08:25	431	3496	91	S1 G1 AUTO FIRE
08:35	444	3442	91	S1 G1 AUTO FIRE
08:41	459	3457	91	S1 G1 AUTO FIRE
09:22	552	3550	91	S1 G1 AUTO FIRE
09:24	557	3555	91	S1 G1 AUTO FIRE
09:31	574	3572	91	S1 G1 AUTO FIRE
09:35	583	3581	92	REEL CHANGE TO 92
09:39	593	3591	92	S1 G1 AUTO FIRE
09:49	619	3617	92	S1 G1 AUTO FIRE
10:07	664	3662	92	S1 G1 AUTO FIRE
10:08	668	3666	92	S1 G1 AUTO FIRE
10:49	776	3774	92	S3 G1 AUTO FIRE
10:51	782	3780	92	S2 G10 AUTO FIRE
11:00	806	3804	92	S2 G10 AUTO FIRE
11:03	813	3811	92	S1 G1 AUTO FIRE
11:18	853	3851	92	S3 G1 TIMING ERROR
11:19	856	3854	92	S3 G2 TIMING ERROR
11:22	863	3861	92	S1 G1 AUTO FIRE
11:28	881	3879	92	S1 G1 AUTO FIRE
11:29	883	3881	92	S1 G1 AUTO FIRE
11:31	889	3887	92	S1 G1 AUTO FIRE
11:46	930	3928	92	S1 G1 AUTO FIRE
11:50	941	3939	92	S3 G1 TIMING ERROR
11:59	966	3964	92	S2 G10 AUTO FIRE
12:07	989	3987	92	S1 G1 AUTO FIRE
12:09	993	3991	92	S1 G1 AUTO FIRE
12:18	1018	4016	92	S1 G1 AUTO FIRE
12:21	1027	4025	92	S1 G1 AUTO FIRE
12:29	1052	4050	92	S1 G1 AUTO FIRE
12:32	1060	4058	92	S3 G1 TIMING ERROR
12:34	1092	4090	92	S1 G1 AUTO FIRE
12:47	1102	4100	92	S2 G10 AUTO FIRE
13:00	1139	4138	92	S2 G10 AUTO FIRE

13:10	1168	4167	92	REEL CHANGE TO 93
13:13	1177	4176	92	S3 G2 TIMING ERROR
13:15	1183	4182	93	S1 G2 AUTO FIRE
13:19	1194	4193	93	S1 G1 AUTO FIRE
13:46	1272	4271	93	S1 G1 AUTO FIRE
13:47	1275	4274	93	S1 G1 AUTO FIRE
13:51	1284	4285	93	S1 G1 AUTO FIRE
13:54	1292	4293	93	S3 G2 TIMING ERROR
13:55	1295	4296	93	S1 G1 AUTO FIRE
14:05	1321	4322	93	S1 G1 AUTO FIRE
14:11	1337	4338	93	S1 G1 AUTO FIRE
14:21	1367	4368	93	S3 G2 TIMING ERROR
14:26	1379	4380	93	S3 G2 TIMING ERROR
14:31	1394	4395	93	S1 G1 AUTO FIRE
14:35	1404	4405	93	S1 G1 AUTO FIRE
14:37	1408	4409	93	S1 G1 AUTO FIRE
14:46	1434	4435	93	S1 G1 AUTO FIRE
14:48	1440	4441	93	S2 G10 AUTO FIRE
15:00	1472	4473	93	S1 G1 AUTO FIRE
15:01	1475	4476	93	S3 G1 NO FIRE
15:01	1476	4477	93	S1 G1 AUTO FIRE
15:02	1480	4481	93	S1 G1 AUTO FIRE
15:05	1488	4489	93	S1 G1 AUTO FIRE
15:09	1497	4498	93	S1 G1 AUTO FIRE
15:26	1543	4544	93	S2 G10 AUTO FIRE
15:27	1546	4547	93	S1 G1 AUTO FIRE
15:35	1568	4569	93	S1 G1 AUTO FIRE
15:38	1577	4578	93	S3 G2 TIMING ERROR
15:38	1578	4579	93	S3 G2 TIMING ERROR
15:39	1580	4581	93	S3 G2 TIMING ERROR
15:41	1587	4588	93	S1 G1 AUTO FIRE
15:43	1590	4591	93	S1 G1 AUTO FIRE
15:43	1592	4593	93	S1 G1 AUTO FIRE
15:47	1599	4602	93	S1 G1 AUTO FIRE
15:57	1630	4633	93	S1 G1 AUTO FIRE
15:59	1637	4639	93	S1 G1 AUTO FIRE
16:13	1677	4679	93	S1 G01 AUTO FIRE
16:38	1745	4748	93	S1 G01 AUTO FIRE
16:39	1749	4752	94	TAPE CHANGE TO 94
16:45	1767	4770	94	S1 G01 AUTO FIRE
17:11	1838	4841	94	S1 G01 AUTO FIRE
17:20	1860	4842	94	CABLE DROPPING DUE TO SPEED TO SLOW, SWITCHING SHOT INTERVALS BACK TO 15 SECONDS

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050095	050100	FGSP	4874
SP #	4874	7905	LGSP	7905

Line	MGL0905_23B
Sequence	022
Direction	89

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/18/09	04/19/09
Time UTC	17:22	14:07
Volume (cu in.)	6600	3120
Streamer Depth (m)	9	9
Wind (kts)	20 W	18 E
Sea State (ft)	6-8FT	6-8FT
Water Depth (m)	1450	4783

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 21 25 59.092N 121 04 34.045E
MISSED SHOTS 4946 AND 4947 TO SWITCH SYNTRAK TO 15 SEC INTERVALS
TAPE 95 HAS SHOTS 4874 TO 4945 THEN SWITCHED TO TAPE 96 WHEN SYNTRAK WAS ADJUSTED TO 15 SEC INTERVALS
@ SP 5510 THERE IS SEA NOISE ON THE CABLE DUE TO DRASTIC CURRENT CHANGE
Random shots missed from SP 4874 to 4954 - 60 on Reel 95, but 71 shots fired total.

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	

Line Status:

Year/PC	PKL	IP	Age	Description
2010	10	1001	10	10
2010	10	1002	10	10
2010	10	1003	10	10
2010	10	1004	10	10
2010	10	1005	10	10
2010	10	1006	10	10
2010	10	1007	10	10
2010	10	1008	10	10
2010	10	1009	10	10
2010	10	1010	10	10
2010	10	1011	10	10
2010	10	1012	10	10
2010	10	1013	10	10
2010	10	1014	10	10
2010	10	1015	10	10
2010	10	1016	10	10
2010	10	1017	10	10
2010	10	1018	10	10
2010	10	1019	10	10
2010	10	1020	10	10
2010	10	1021	10	10
2010	10	1022	10	10
2010	10	1023	10	10
2010	10	1024	10	10
2010	10	1025	10	10
2010	10	1026	10	10
2010	10	1027	10	10
2010	10	1028	10	10
2010	10	1029	10	10
2010	10	1030	10	10
2010	10	1031	10	10
2010	10	1032	10	10
2010	10	1033	10	10
2010	10	1034	10	10
2010	10	1035	10	10
2010	10	1036	10	10
2010	10	1037	10	10
2010	10	1038	10	10
2010	10	1039	10	10
2010	10	1040	10	10
2010	10	1041	10	10
2010	10	1042	10	10
2010	10	1043	10	10
2010	10	1044	10	10
2010	10	1045	10	10
2010	10	1046	10	10
2010	10	1047	10	10
2010	10	1048	10	10
2010	10	1049	10	10
2010	10	1050	10	10
2010	10	1051	10	10
2010	10	1052	10	10
2010	10	1053	10	10
2010	10	1054	10	10
2010	10	1055	10	10
2010	10	1056	10	10
2010	10	1057	10	10
2010	10	1058	10	10
2010	10	1059	10	10
2010	10	1060	10	10
2010	10	1061	10	10
2010	10	1062	10	10
2010	10	1063	10	10
2010	10	1064	10	10
2010	10	1065	10	10
2010	10	1066	10	10
2010	10	1067	10	10
2010	10	1068	10	10
2010	10	1069	10	10
2010	10	1070	10	10
2010	10	1071	10	10
2010	10	1072	10	10
2010	10	1073	10	10
2010	10	1074	10	10
2010	10	1075	10	10
2010	10	1076	10	10
2010	10	1077	10	10
2010	10	1078	10	10
2010	10	1079	10	10
2010	10	1080	10	10
2010	10	1081	10	10
2010	10	1082	10	10
2010	10	1083	10	10
2010	10	1084	10	10
2010	10	1085	10	10
2010	10	1086	10	10
2010	10	1087	10	10
2010	10	1088	10	10
2010	10	1089	10	10
2010	10	1090	10	10
2010	10	1091	10	10
2010	10	1092	10	10
2010	10	1093	10	10
2010	10	1094	10	10
2010	10	1095	10	10
2010	10	1096	10	10
2010	10	1097	10	10
2010	10	1098	10	10
2010	10	1099	10	10
2010	10	1100	10	10

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050101	050105	FGSP	7797
SP #	7797	10890	LGSP	10890

Line	MGL0905_23C
Sequence	023
Direction	89

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, μ B				
EOL Cable Noise, μ B				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	4/19/09	4/20/09
Time UTC	2231	17:20
Volume (cu in.)	5400	6470
Streamer Depth (m)	9	9
Wind (kts)	S@20	S@12
Sea State (ft)	2-4FT	2-4FT
Water Depth (m)	4786M	5268M

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 21 25 55.55N 122 29 09.29E
SOL GUNS DISABLED-ALL OF STRING 3 AND S2 G06
STRING #3 ON BOARD FOR REPAIRS
EOL POS 21 24 34.781N 123 58 38.678E
EOL GUNS DISABLED, S2 G02, S2 G05, S2 G06, S2 G10

Line Status: COMPLETE

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

Time UTC	FILE	SP	Tape	Description
22:31	1	7797	101	SOL-gun vol: 5400 in3 turn noise on the stream
22:44	33	7831	101	s4 g1 auto fire
22:45	36	7833	101	S1 G01 AUTO FIRE
22:45	37	7834	101	s4 g1 auto fire
22:47	42	7839	101	s4 g10 NO FIRE
22:47	43	7840	101	S1 G01, S2 G1, S4 G1 NO FIRI
22:50	51	7848	101	S2 G01 NO FIRE
22:54	60	7857	101	S2 G01 NO FIRE
22:56	62	7859	101	S2 G03 NO FIRE
22:56	65	7860	101	S2 G05 NO FIRE
23:00	71	7863	101	S2 G05 NO FIRE
23:01	71	7864	101	S2 G05 NO FIRE
23:01	72	7865	101	S2 G05 NO FIRE
23:02	73	7866	101	S2 G05 DISABLED DUE TO NO FIRES NEW VOLUME 5220 in
23:11	115	7900	101	turn noise out of the cabl
23:36	164	7961	101	s2 g10 no fir
23:36	165	7962	101	s2 g10 no fire
23:37	165	7962	101	s2 g10 no fir
23:38	166	7963	101	s2 g10 disabled due to no fires-vol 5000 in
23:50	198	7793	101	Mutiple Errors on String #:
23:52	203	7998	101	FGSP after Enabling String #3 Guns S3G05 & S4G05 Disable New Volume 6470 i
0000	226	8021	101	MIDNIGHT SP
0008	245	8042	101	S3 G01 NO FIRE
00:28	303	8099	101	S3 G01 NO FIRE
00:34	325	8112	101	S3 G02 NO FIRE
00:36	328	8124	101	S3 G01 NO FIRE
00:42	347	8144	101	S3 G01 NO FIRE
00:45	355	8151	101	S3 G01 NO FIRE
01:36	506	8302	101	S3 G01 NO FIRE
01:54	556	8352	101	S3 G01 NO FIRE
02:47	701	8497	102	TAPE CHANGE TO 05010:
03:12	771	8568	102	S2 G02 NO FIRE
05:30	1165	8962	102	S2 G02 NO FIRE
05:30	1166	8963	102	S2 G02 NO FIRE
05:30	1167	8964	102	S2 G02 NO FIRE
05:31	1168	8965	102	S2 G02 NO FIRE
05:31	1169	8966	102	S2 G02 NO FIRE
05:31	1170	8967	102	S2 G02 NO FIRE
05:32	1171	8968	102	S2 G02 NO FIRE
05:32	1172	8969	102	S2 G02 NO FIRE
05:33	1173	8970	102	S2 G02 DISABLED D/T NO FIRES, NEW VOLUME 6470 in3 (ENABLED S3G5, S4G:
06:10	1283	9078	102	S3 G01 MISFIRE
06:12	1290	9085	102	S3 G01 MISFIRE
06:49	1400	9195	103	TAPE CHANGE TO 05010:
06:52	1409	9204	103	Sudden noise on streamer between sections 27 to 3
06:54	1414	9009	103	S3 G01 NO FIRE
06:54	1415	9010	103	Streamer noise gone
08:13	1639	9434	103	S3 G01 MISFIRE
08:13	1640	9435	103	S3 G01 MISFIRE
10:12	1953	9748	103	S3 G01 MISFIRE
11:09	2100	9895	104	TAPE CHANGE TO 05010:
11:13	2109	9904	104	S3 G02 NO FIRE
13:21	2436	10231	105	S3 G01 NO FIRE
15:34	2800	10595	105	TAPE CHANGE TO 05010:
16:23	2937	10734	105	S3 G1 NO FIRE

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050106	050108	FGSP	1114
SP #	1114	3140	LGSP	3140

Line	MGL0905_24
Sequence	024
Direction	209

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	4/20/09	04/21/09
Time UTC	17:47	05:12
Volume (cu in.)	5490	6600
Streamer Depth (m)	9	9
Wind (kts)	13 S	13 SW
Sea State (ft)	2-4	1-3
Water Depth (m)	5267M	5554

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 21 22 19.438N 123 58 24.929E
SOL GUNS DISABLED, ALL OF STRING 2
STRING 2 ONBOARD FOR REPAIRS
STRING 2 IN THE WATER, ALL GUNS SHOOTING EXCEPT S2G02, S3G05, S4 G05 NEW VOLUME 6600, SP 1708
EOL GUNS DISABLED S2 G02
EOL POS 20 34' 18.731N 123 30' 04.480E
Line Status:

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	

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050109	050113	FGSP	1013
SP #	1013	3837	LGSP	3837

Line	MGL0905_25
Sequence	025
Direction	270

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/21/09	04/22/09
Time UTC	05:17	0009
Volume (cu in.)	6600	6240
Streamer Depth (m)	9	9
Wind (kts)	13 SW	ENE8KTS
Sea State (ft)	1-3	3-5FT
Water Depth (m)	5553	2634M

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL POS 20 34' 05.136N 123 29' 39.353E
 SOL Guns disabled: S2 G02
 EOL POS 20 34 44.566N 122 08 24.177E
 EARLY EOL DUE TO RESTRICTIONS AROUND BATAN ISLAND

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	

Line Status: COMPLETE

Time UTC	FILE	SP	Tape	Description
05:17	1	1013	109	SOL - Turn noise at head of streame
05:27	34	1046	109	S3 G01 TIMING ERROR
05:59	136	1148	108	S3 G01 NO FIRE - All turn noise disspated
06:47	283	1295	109	S3 G01 NO FIRE
07:03	334	1346	109	S3 G02 NO FIRE
07:14	368	1380	109	S3 G01 NO FIRE
07:15	372	1384	109	S3 G01 NO FIRE
07:47	476	1498	109	S3 G02 NO FIRE
07:59	514	1526	109	S3 G01 NO FIRE
08:14	560	1572	109	S3 G01 NO FIRE
08:14	561	1573	109	S3 G01 NO FIRE
08:57	695	1707	109	S3 G02 NO FIRE
08:57	697	1709	109	S3 G02 NO FIRE
08:58	700	1712	110	TAPE CHANGE TO 05011C
09:45	842	1854	110	s3 g01 NO FIRE
09:50	856	1868	110	S3 G01 NO FIRE
09:52	862	1874	110	S3 G02 NO FIRE
10:53	1032	2044	110	S3 G02 NO FIRE
11:19	1105	2117	110	S3 G02 NO FIRE
11:30	1134	2146	110	S3 G02 NO FIRE
12:11	1343	2255	110	S3 G01 NO FIRE
12:11	1244	2256	110	S3 G02 NO FIRE
12:13	1247	2259	110	S3 G02 NO FIRE
12:40	1317	2329	110	S3 G02 . G03 NO FIRE
12:41	1320	2332	110	S3 G02 NO FIRE
15:58	1373	2375	110	S3 G02 NO FIRE
13:10	1394	2406	110	S3 G02 NO FIRE
13:13	1400	2412	111	TAPE CHANGE TO 050111
13:21	1420	2432	111	S3 G02 NO FIRE
13:28	1435	2447	111	S3 G02 NO FIRE
13:35	1452	2464	111	S3 G02 NO FIRE
13:45	1488	2490	111	S3 G02 NO FIRE
13:58	1510	2527	111	S3 G02 NO FIRE
13:58	1511	2523	111	S3 G02 NO FIRE
14:00	1514	2526	111	S3 G02 NO FIRE
14:01	1517	2529	111	S3 G02 NO FIRE
14:09	1538	2550	111	S3 G01 NO FIRE
14:12	1545	2557	111	S3 G02 NO FIRE
14:17	1556	2568	111	S3 G02 NO FIRE
14:18	1560	2573	111	S3 G02 NO FIRE
14:33	1597	2609	111	S3 G02 NO FIRE
14:39	1611	2623	111	S3 G02 NO FIRE
14:51	1640	2657	111	S3 G02 NO FIRE
15:15	1702	2714	111	S3 G02 NO FIRE
15:16	1705	2717	111	S3 G02 NO FIRE
15:16	1706	2718	111	S3 G02 NO FIRE
15:19	1713	2725	111	S3 G02 NO FIRE
15:27	1733	2745	111	S3 G02 NO FIRE
15:25	1778	2750	111	S3 G02 NO FIRE
15:32	1745	2757	111	S3 G02 NO FIRE
15:33	1748	2760	111	S3 G02 NO FIRE
15:58	1812	2824	111	S3 G01 NO FIRE
16:13	1848	2860	111	S3 G02 NO FIRE
16:15	1853	2865	111	S3 G01 NO FIRE
16:28	1885	2897	111	S3 G02 NOFIRE
17:24	2014	3026	111	S3 G02 NO FIRE
17:27	2021	3033	111	S3 G02 NO FIRE
17:36	2043	3055	111	S3 G02 NO FIRE
17:39	2055	3063	111	S3 G02 NO FIRE

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050114	050121	FGSP	4884
SP #	4884	10341	LGSP	10341

Line	MGL0905_25A
Sequence	026
Direction	270

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/22/09	04/23/09
Time UTC	0712	1319
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	17NE	15E
Sea State (ft)	3-5	4-6
Water Depth (m)	1599	2774

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 20 34' 51.126N 121 38' 16.527E
SOL GUNS DISABLED S2 G02
EOL GUNS DISABLED S2 G02, S4 G01
EOL POS 20 34' 01.670N 119 01' 15.540E
Line Status:

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	

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050122	050122	FGSP	1028
SP #	1028	1252	LGSP	1252

Line	MGL0905_026
Sequence	027
Direction	0

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/23/09	04/23/09
Time UTC	1336	1451
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	20 e	24 NE
Sea State (ft)	4-6	3-5
Water Depth (m)	2771	2564

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 20 34' 44.038N 119 00' 12.162E
SOL GUNS DISABLED S2 G02, S4 G01
EOL GUNS DISABLED S2 G02, S4 G01
EOL POS 20 40' 48.224N 119 00' 14.152E
Line Status:

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	

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050123	050130	FGSP	1017
SP #	1017	5937	LGSP	5937

Line	MGL0905_27
Sequence	028
Direction	60

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/23/09	04/24/09
Time UTC	1455	21:26
Volume (cu in.)	6600	6240
Streamer Depth (m)	9	9
Wind (kts)	21 NE	2 W
Sea State (ft)	4-6	1-3
Water Depth (m)	2568	852

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 20 41' 02.855N 119 00' 26.353E
SOL GUNS DISABLED S2 G02, S4 G01
SP 2837 SHIP PASSING THE BOW
EOL POS 21 46 59.115N 121 04 01.041E

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	

Line Status: COMPLETE

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050131	050134	FGSP	1027
SP #	1027	3341	LGSP	3341

Line	MGL0905_28
Sequence	029
Direction	90

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/24/09	04/25/09
Time UTC	21:34	09:09
Volume (cu in.)	6240	6240
Streamer Depth (m)	9	9
Wind (kts)	w2	NE 30 - 35
Sea State (ft)	1-3	3-5
Water Depth (m)	926	4837

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 21 47 07.733N 121 04 45.207E, GUNS S2G02, S3G02, AND S4G01 DISABLED
EOL POS 21 45 " 59.879' N 122 11" 52,809' E, GUNS S2G02, S3G02, AND S4G01 DISABLED

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	

Line Status:	Complete
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Time UTC	FILE	SP	Tape	Description
21:34	1	1027	131	SOL
01:18	700	1726	132	TAPE CHANGE TO 050132
01:44	786	1812	132	S2G03 NO FIRE
02:04	855	1881	132	S2G03 NO FIRE
02:25	931	1957	132	S1G01, S1G02 MISFIRE
02:43	993	2019	132	S1G01, S1G02 MISFIRE
02:54	1034	2060	132	S2G03 NO FIRE
02:56	1040	2066	132	S2G03 NO FIRE
02:56	1041	2067	132	S2G03 NO FIRE
03:50	1230	2256	132	S2G03 NO FIRE
04:39	1400	2426	133	TAPE CHANGE TO 050133
04:44	1420	2446	133	MISSED SHOT DUE TO VESSEL SPEED
05:54	1667	2695	133	S1 G02 MISFIRE
05:55	1770	2698	133	S2 G03 NO FIRE
07:12	1937	2965	133	Ship noise at head of Streamer
07:25	1980	3008	133	Ship noise very minor - Almost non existant
08:02	2100	3128	134	TAPE CHANGE TO 050134
08:45	2238	3266	134	S1 G08 NO FIRE
08:49	2250	3278	134	S1 G08 NO FIRE
09:09	2313	3341	134	EOL

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050135	050135	FGSP	601
SP #	601	1177	LGSP	1177

Line	MGL0905_29
Sequence	030
Direction	0

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/25/09	04/25/09
Time UTC	14:07	1834
Volume (cu in.)	6600	6600
Streamer Depth (m)	9	9
Wind (kts)	29 NE	N 30
Sea State (ft)	6-8	8-10
Water Depth (m)	4813	4831

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 21 36' 07.756N 122 09' 58.851E
SOL - NO GUNS DISABLED
EOL POS 21 51 45.170N 122 09 57.971E
EARLY EOL DUE TO GUN GETTING TANGLED

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	

Line Status: COMPLETE

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050136	050141	FGSP	748
SP #	0748	4453	LGSP	4453

Line	MGL0905_34
Sequence	031
Direction	301

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/26/09	04/27/09
Time UTC	21:04	21:59
Volume (cu in.)	5490	4770
Streamer Depth (m)	9	9
Wind (kts)	25NE	27NE
Sea State (ft)	5-7	2-5
Water Depth (m)	908	70

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
SOL POS 21 45 51.030N 120 39 55.094E
ALL GUNS ENABLED EXCEPT STRING 4
EOL POS 22 39 52.772N 119 09 00.643E

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	

Line Status: COMPLETE

Time UTC	FILE	SP	Tape	Description
21:04	1	748	136	SOL
21:20	33	780	136	S1 G02 TIMING ERROR
21:22	36	783	136	S1 G02 TIMING ERROR
21:31	51	798	136	S1 G02 TIMING ERROR
21:32	54	801	136	S1 G02 TIMING ERROR
21:35	59	806	136	S1 G02 TIMING ERROR
21:36	60	807	136	S1 G02 TIMING ERROR
21:36	61	808	136	S1 G02 TIMING ERROR
21:37	62	809	136	S1 G02 TIMING ERROR
21:38	64	811	136	S1 G02 TIMING ERROR
21:40	67	814	136	S1 G02 TIMING ERROR
21:42	69	816	136	S1 G02 TIMING ERROR
21:43	70	817	136	S2G02 NO FIRE
21:49	85	832	136	S1 G02 TIMING ERROR
21:51	89	836	136	S1 G02 TIMING ERROR
21:54	95	842	136	S1 G02 TIMING ERROR
21:55	96	843	136	S1 G02 TIMING ERROR
21:58	98	845	136	S1 G02 TIMING ERROR
21:58	102	849	136	S2G02 NO FIRE
22:06	114	861	136	disabled string 3 new volume 3660 in
22:06	117	864	136	S2G02 NO FIRE
22:22	145	892	136	TURN NOISE AT THE HEAD OF THE CABLE
22:23	146	893	136	S1 G02 TIMING ERROR
22:24	147	894	136	S2G02 NO FIRE
22:26	149	896	136	S2G02 NO FIRE
22:31	154	901	136	S1 G02 TIMING ERROR
22:34	156	903	136	S1 G02 TIMING ERROR
22:38	158	905	136	S1 G02 TIMING ERROR
22:46	164	911	136	String #3 Enabled New Volume 5490 in.
22:59	176	923	136	S1 G02 Miss Fire
23:00	177	924	136	S1 G02 Miss Fire
23:03	178	927	136	S1 G02 Miss Fire
23:04	179	928	136	S1 G02 Miss Fire
23:05	180	929	136	S1 G02 Miss Fire
23:06	181	930	136	S1 G02 Miss Fire
23:07	182	931	136	S1 G02 Miss Fire
23:11	186	935	136	S1 G02 Miss Fire
23:13	188	937	136	S1 G01 Miss Fire
23:16	191	940	136	S1 G02 Miss Fire
23:19	194	943	136	S1 G01 Miss Fire
23:20	195	944	136	S1 G02 Miss Fire
23:21	196	945	136	S1 G01 Miss Fire
23:23	198	947	136	S1 G01 Miss Fire
23:27	202	951	136	S1 G02 TIMING ERROR
23:29	204	953	136	S1 G02 TIMING ERROR
23:30	205	954	136	S1 G02 TIMING ERROR
23:31	206	955	136	S1 G02 DISABLED NEW VOLUME 5130 in.
23:37	215	962	136	S1 G01 Miss Fire
23:38	217	964	136	S1 G01 Miss Fire
23:40	221	968	136	S1 G01 Miss Fire
23:45	230	977	136	S1 G01 Miss Fire
23:52	243	990	136	S1 G01 Miss Fire
00:06	270	1017	136	S1 G01 Miss Fire
00:08	274	1021	136	S1 G01 Miss Fire
00:17	291	1038	136	S3 G02 MISS FIRE
00:19	295	1042	136	S1 G01 Miss Fire
00:20	297	1044	136	S1 G01 Miss Fire
00:22	302	1049	136	S1 G01 Miss Fire
00:30	319	1066	136	S1 G01 Miss Fire
00:31	323	1070	136	S1 G01 Miss Fire

Observers Log

Vessel	Langseth
Client	Taiger #1
Area	South China Sea
Job Number	MGL0905

Party Chief	Robert Steinhaus
Ch. Observer	Mike Tatro
Sen. Observer	Ryan Eaton
Observers	

	SOL	EOL		
Tape #	050142	050142	FGSP	1311
SP #	1311	1390	LGSP	1390

Line	MGL0905_35
Sequence	032
Direction	89

Streamer Parameters				
	1	2	3	4
Length	6000			
Auxiliaries				
Shotpoint Interval:	50			
Offset CS - CFG	185			
Group Interval:	12.5			
Number of channels	468			
SOL Cable Noise, µB				
EOL Cable Noise, µB				

Source Parameters	
Total Volume	6600/in3
Work Pressure	2000psi +/- 100psi
Dual Source	no
Depth	8m
Source Separation	8m
Center Source to	
Nav. Antenna	

Recording Parameters	
Record Length	15s
Total recording delay	0
Sample Rate	2ms
Polarity	
Low-Cut	2Hz /12DB
Hi-Cut	206Hz/276 DB
Tape Format	SEGD rev. 1

Description	SOL/FQCSP	EOL/LQCSP
FSID		
Date MM/DD/YY	04/27/09	04/27/09
Time UTC	23:03	23:35
Volume (cu in.)	4770	4770
Streamer Depth (m)	9	9
Wind (kts)	24NE	24NE
Sea State (ft)	2-5	2-5
Water Depth (m)	73	79

Cable	Erased Channels	Noisy/Weak Channels
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
Aux. 16: Port Outer hydrophone	

General / Line Comments
 SOL 22 42 36.638N 119 12 03.155E
 STRING 4, S1G01, AND S1G02 DISABLED VOLUME 4770
 EOL POS 22 42' 43.197N 119 14' 21.552E
 EOL DUE TO STREAMER BEING FOULED BY FISHING VESSEL

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	

Line Status:

