

Appendix - Fleet

BGP GLORY

4C OBN Seismic Vessel

Recording Instrument

Manufacturer:	Magseis
Type:	MASS
Unit Type:	MASS 3000
No. of nodes:	4000
Operation Depth :	3000m
Data Recorder/Storage:	1.5 Pb
Recording Media:	IBM 3592 E08 JC/JD

Node Equipment

Manufacturer:	Magseis
Seismic Data Channels:	4-C
Timing Accuracy:	CSAC
ADC Resolution:	24 bit
Battery Life:	50 days
Gain:	2
Recording Media:	IBM 3592 E08 JC/JD

Navigation Equipment

Manufacturer:	Veripos
Integrated Navigation System :	Dolphin
Primary DGPS:	1U-H70-Veripos
Secondary DGPS:	1U-H70-Veripos

Onboard Processing

Server:	HP 380 x 10
Tape Drive:	IBM 3592 E08 * 8
Processing Software	KL Node QC



Vessel Navigation & Communication

Radar:	Furuno X - Band, S - Band
Communications:	Inmarsat C ; FBB ; VSAT
Gyro Compass:	3 - Anschutz STD 22
Auto Pilot:	Anschutz Pilotstar D
Echo Sounder:	Furuno FE - 700
GPS Receiver:	Furuno GR - 170
Navtex:	Furuno NX - 700
Weather Fax:	Furuno Fax - 408

General

Port of Registry:	Panama
Flag:	Panama
Ship type:	DP-2 Offshore Support Vessel
Year of Built:	2014
Length:	84.5m
Breadth:	17.6m
Draft:	6.4m
Gross Tonnage:	3474
Speed:	14 knts
Fuel Capacity:	930 m ³
Main Engine:	MTU 12V 4000 M33S
Bow Thruster:	2 x 880kw
Generators:	4 x 1560kw
Accommodation:	60 persons
Life Rafts:	4 x 20 persons and 4 x 25 persons
FRC:	1

Appendix - Fleet

BGP COMMANDER

4C OBN Seismic Vessel



General	
Port of Registry:	Panama
Flag:	Panama
Class:	CCS
Ship type:	DP-2 Offshore Support Vessel
Year of Build:	2014
Length:	84.5m
Breath:	17.6m
Draft:	6.4m
Gross Tonnage:	3474
Speed:	14 knts
Fuel Capacity:	930 m ³
Main Engine:	MTU 12V 4000 M33S
Bow Thruster:	2 x 880kw
Generators:	4 x 1560kw
Accommodation:	60 persons
Life Rafts	4 x 20 persons and 4 x 25 persons
FRC	1

Vessel Navigation & Communication	
Radar:	Furuno X-Band, S-Band
Communications:	Inmarsat C ; FBB ; VSAT
Gyro Compass:	3 - Anschutz STD 22
Auto Pilot:	Anschutz Pilotstar D
Echo Sounder:	Furuno FE - 700
GPS Receiver:	Furuno GR - 170
Navtex:	Furuno NX - 700
Weather Fax:	Furuno Fax - 408

Recording Instrument	
Manufacturer:	Magseis
Type:	MASS
Unit Type:	MASS 3000
Number of Nodes:	4000
Operation Depth:	3000 m
Data recorder / Storage:	1.5 Pb
Recording Media:	IBM 3592 E08 JC/JD

Node Equipment	
Manufacturer:	Magseis
Seismic Data Channels:	4-C
Timing Accuracy:	CSAC
ADC Resolution:	24 bit
Battery Life:	50 days
Gain:	2
Recording Media:	IBM 3592 E08 JC/JD

Navigation Equipment	
Manufacturer:	Veripos
Integrated Navigation System :	Dolphin
Primary DGPS:	1U-H70-Veripos
Secondary DGPS:	1U-H70-Veripos
Tail Buoy & Source Positioning:	

Onboard Processing	
Server:	HP 380 x 10
Processing Software:	KL Node QC

Appendix - Fleet

DONG FANG KAN TAN No.2

4C OBN Seismic Vessel



General	
Port of Registry:	Tianjin
Flag:	China
Class:	CCS / DP1
Year of Built:	2007
Length:	65.82 m
Breadth:	13.8m
Draft (min / max):	3.5 m / 3.8 m
Gross Tonnage:	2142
Speed:	12.5 knots
Fuel Capacity:	416 m ³
Main Engine:	2 x Man B & W6L23/30A
Bow Thruster:	330 kw Schottel
Generators:	3 x Cummins & Siemens 3 x 500 kw
Accommodation:	49 persons
Life Rafts:	Youlong (140 persons)
FRC:	2* Norsafe

Vessel Navigation & Communication	
Radar:	Two X-band RADAR w / ARPA
Communications:	VSAT
Gyro Compass:	TG-8000 TOKIMEC JP
Auto Pilot:	PR-6314A-ZZ TOKIMEC JP
Echo Sounder:	FE-700 FURUNO JP 2 x GPS
GPS Receiver:	GP-90D FURUNO JP
Navtex:	NX-700B
Weather Facsimile:	FAX-207 FURUNO JP

Recording Instrument

Manufacturer:	Fairfield Nodal
Type:	Z Recording System
Unit Type:	Z700 / Z100
No. of nodes:	4000
Operation Depth :	700/300m
Data Recorder/Storage:	1x20 TB/1x20 TB, RAID
Recording Media:	IBM 3592

Node

Manufacturer:	Fairfield Nodal
Seismic Data Channels:	4-Component
Timing Accuracy:	CSAC Clock
ADC Resolution:	24 bits
Battery Life:	2,4 ms
Pre-amplifier Gains:	0dB to 36dB in 6 dB steps
Anti-Alias Filter:	206.5Hz (82.6%) @ 2ms

Navigation Equipment

Manufacturer:	ION / BGP
Integrated Navigation System :	Gator II / Dolphin
Primary DGPS:	Veripos Ultra
Secondary DGPS:	Veripos Apex

Onboard Processing

Processing CPU:	CPU 300+
Processing Software:	KLSeis node QC, KLSeis II GeoEast 3.0.5