

Appendix - Fleet

BGP PIONEER

High-Capacity 3D/2D Seismic Vessel



Recording Instrument

Manufacturer:	Sercel
Type:	Seal 428
No. of Channels:	560 CH x 6
Sample Rate:	0.5, 1, 2, 4 ms
Analog Filter :	3 hz @ 6db / oct, 0.8 NF (linear or minimum phase)
Recording Media:	IBM 3592

Streamer

Manufacturer:	Sercel
Type:	Sentinel Solid Streamer
Section Length:	150 m
Group Interval:	12.5 m
Streamer Configuration:	6 x 7000 m
Hydrophone Type:	Sercel Flexible Hydrophone
Hydrophones / Group:	8

Navigation Equipment

Manufacturer:	ION
Integrated Navigation System :	ORCA V.1.10.1
Navigation Processing:	Iris&Sprint
Binning Software:	Reflex
Streamer Compass & Depth System:	DigiCOURSE 5011E
Acoustic System:	DigiRANGE II, CMX
Streamer Steering:	DigiFIN 5120
Primary DGPS:	Veripos Ultra
Secondary DGPS:	Veripos Apex
Tail Buoy & Source Positioning:	Seamap Buoylink Ex

Source Equipment

Manufacturer:	Sercel
Type:	G.GUN
No. of Sub-array:	6
Array Volume:	2 x 3370 cu.in.
Compressor:	3 x LMF51 / 138-207D
Compressor Capacity:	3 x 1800 cfm
Operating Pressure:	2000 psi
Source Controller:	BigShot

Onboard Processing

Processing CPU:	64 CPU (24 nodes), IBM X3550M4 GeoEast 3.0.5
Processing Software:	KL-Streamer

Vessel Navigation & Communication

Radar:	1x FURUNO FAR-2827, 25 kw ARPA X-Band 1*FURUNO FAR-2837, 30 kw ARPA S-Band
Communications:	InmarsatC x 2,Iridium,VSAT,
Gyro Compass:	NAVIGATX MK1
Auto Pilot:	C-Joy Kongsberg
Echo Sounder:	EA600
GPS Receiver:	Furuno GP-150, GP-39
Navtex:	Furuno NX-700
Weather Facsimile:	FURUNO FAX 408

General

Port of Registry:	Panama
Flag:	Panama
Class:	Lloyds Registry
Year of Built:	1987
Length:	83.7 m
Breadth:	19.5 m
Draft (min / max):	5.75 m / 7.80 m
Gross Tonnage:	5739
Speed:	12 knots
Fuel Capacity:	1686 m ³
Main Engine:	1 x Wichmann 12V28B 1 x 3960 kw / 620 r / min
Bow Thruster:	Brunvoll 500 hp
Auxiliary Power:	2 x Caterpillar 3516B, 1 x Caterpillar 3412AT
Electrical Power:	2 x 1800 kw
Accommodation:	60 persons
Life Boat:	NIL
Life Rafts:	8x Viking 25 person
Work Boat:	1*25 ft Norpower
FRC:	1* Norsafe MAKO655