

# *M/V James H. Scott*

## Shallow Water Source Vessel

- ▶ Custom-built shallow water source vessel
- ▶ Heavy-duty aluminum construction
- ▶ Designed to ABS standards



**Exciting the Planet**<sup>SM</sup>

Houston, Texas USA 713-972-9200 [www.globalgeophysical.com](http://www.globalgeophysical.com)

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# M/V James H. Scott

VESSEL SPECIFICATIONS	
Name	James H Scott
Function	Shallow Water Source Vessel
Flag	USA
Port of Registry	Houston
Owner	Global Geophysical Services, Inc.
Year/Site of Construction	2005/GeoMarine, New Iberia, LA, USA
Classification	USCG Document of Compliance
IMO / Official Number	1172960
Call Sign	WDC 6296
Length	70.0 ft (21.3 m)
Beam	22.0 ft (10.7 m)
Draft	5.0 ft (1.5 m)
Gross Tonnage	68 tons
Net Tonnage	54 tons
Cruising Speed	12 knots
Cruising Range	1300 nautical miles
Fuel Consumption	960 gallons/day
Endurance	5.2 days
Fuel Capacity	5,000 gallons
Freshwater Capacity	250 gallons
Freshwater-Maker Capacity	720 gal/day
Accommodation Capacity	6
Life Rafts	2 each 6 man life floats
MOB Boat	No
Main engines	2 x Lugger L6140AL2.3M:BT
Propulsion	2 x 5 blade SS
Total Horsepower	2 x 600
Gear	2 x ZF 350
Main Generators	2 x Northern Lights M40C2.2S (40kW)
Emergency Generator	N/A
Clean Power / UPS	SmartPro Net UPS
Bowthruster	N/A
Crane	N/A

NAVIGATION	
Gyro Compass	KVH Autocomp1000 Fluxgate
Auto Pilot	Simrad AP-35
Radar	Furuno Navnet 1833 C
GPS	Garmin
Ships Fathometer	Navman Depth 2100
COMMUNICATIONS	
VHF Crew Radios	1 Motorola
VHF Marine Radios	2 ea Sailor
Single Side Band Radio	N/A
Weatherfax	N/A
Inmarsat C	N/A
Epirb	ARC RLB-32
Firefighting Equipment:	
Extinguishers	3x10lb, 4x5lb, 2x2.5lb, 1x1.4lb Halon
Fire Pump	Single integrated fire main
Alarm System	Yes – Murphy
SEISMIC SOURCE EQUIPMENT	
Air Guns:	
Number and model of guns in array	16 I/O Sleeve Guns (40 in <sup>3</sup> through 150 in <sup>3</sup> )
Source Sub Array	750 in <sup>3</sup>
Source Array	1500 in <sup>3</sup> , 2 sub arrays
Output (1500 in <sup>3</sup> , out-128Hz filter)	55.7 bar-m at 5.0m depth 32.6 bar-m at 1.5m depth
Operating Pressure	2000 psi
Air Compressors	2 x 600 CFM NCA 17-138 DSD
Compressor Engine	2 x Detroit Diesel Series 60
Gun Synchronizer 1900 psi	Real Time Systems Bigshot
Pressure Sensors	1 per sub-array, one on manifold
Near-Field Hydrophones	N/A
Air Gun Reels and Umbilicals	2 X 43m
Array Flotation	16" sausage floats
SEISMIC NAVIGATION EQUIPMENT	
Navigation System:	EIVA - NaviPac
Vessel Navigation / Gyro:	Thales - 3011
Source Tracking:	PBX Systems - Aries DGPS
Survey Fathometer:	Odom - Hydrotrac
Differential Corrections	C&C Technologies - C-NAV