



POLARIS as shown, REGULUS similar

THOMA-SEA 272 PLATFORM SUPPLY VESSEL

Vessel Characteristics

Length, Overall:	272 ft	82.9 m
Beam:	58.1 ft	17.7 m
Depth:	20 ft	6.1 m
Maximum Draft:	16.4 ft	5 m
Light Draft:	6.9 ft	2.1 m
Minimum Height:	85.1 ft	25.9 m
Freeboard:	3.3 ft	1 m
Displacement:	5,640 lt	5,730 mt
Deadweight:	3,520 lt	3,570 mt
Clear Deck Space:	190 x 51 ft	58 x 16 m
Clear Deck Area:	9,450 ft ²	880 m ²
Deck Strength AFT:	1,020 lb/ft ²	5 t/m ²
Class Notations:	ABS: +A1, OSV, (E), +AMS, +ACCU, +DPS-2, ENVI-RO, UWILD	

Capacities

Deck Cargo:	2,250 lt	2,290 t
Fuel Oil:	249,000 gal	940 m ³
Potable Water:	33,100 gal	130 m ³
Fresh Water:	437,000 gal	1,650 m ³
Drill/Ballast Water:	61,700 gal	230 m ³
Bulk Tanks (6 tanks):	9,230 ft ³	260 m ³
Liquid Mud (2.7 SG*):	10,800 bbl	1,710 m ³
*Max Structural Specific Gravity		

TIDEWATER

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Pg.2 Further Specifications

Pg.4 Capacity Table

Pg.3 General Arrangement

Pg.5 DP Capability Plot



Machinery

Diesel Electric Vessel			
<i>Propulsive/Total HP:</i>	5,360 / 9,280		
Z-Drives:	Yes		
Propellers (2):	2 x 2000kW FPP		
Kort Nozzles:	2		
Primary Generators (4):	1,730 kw	690 v	60 hz
<i>Driven by:</i>	CAT 3512C		
Secondary Generators (1):	550 kw	690 v	60 hz
<i>Driven by:</i>	CAT C18		
Emergency Generators (1):	95 kw	480 v	60 hz
<i>Driven by:</i>	CAT C4.4		
Bow Thruster (2):	1xBERG BFTT419, 1xHRP 601IRT		
<i>Driven by:</i>	846kW Electric Motor		
Total Thrust:	28.3 st	25.7 mt	

Deck Equipment

Anchors (2):	4710 LBS AC-14 HHP
Anchor Chain:	250 m of 40 mm chain per side
Windlass:	COASTAL MARINE EQUIP.
Crane (1):	4.5 t @ 6.1 m

Accommodations

No. of Berths:	36
Cabins:	2x1-man, 15x2-man & 1x4-man
Certified to Carry:	36
Galley seating:	20
Hospital:	Yes

Registration

Flag: UNITED STATES	Home Port: NEW ORLEANS, LA
Hull Number: 148	IMO N°: 9582324
Year Built: 2015	Call Sign: WDG8927
Builder:	THOMA-SEA MARINE
Tonnage (ITC):	2918 GT 1310 NT

Performance*

Fuel Consumption Vs Speed		
Maximum:	25.4 m³/day (280 gph) @ 13.5 knots	
Cruising:	14.7 m³/day (160 gph) @ 11 knots	
Economical:	11.8 m³/day (130 gph) @ 10 knots	
Standby:	1 m³/day (11 gph) @ 0 knots	
Range @ 11 Knots:	16,900 nm	
Transfer Rates		
Fuel Oil:	750 gpm @ 230 ft	170 m³/h @ 69 m
Fresh Water:	400 gpm @ 230 ft	91 m³/h @ 69 m
Drill/Ballast Water:	750 gpm @ 200 ft	170 m³/h @ 61 m
Bulk:	25.6 cfm @ 180 ft	43.5 m³/h @ 56 m
Liquid Mud:	1000 gpm @ 230 ft	230 m³/h @ 69 m

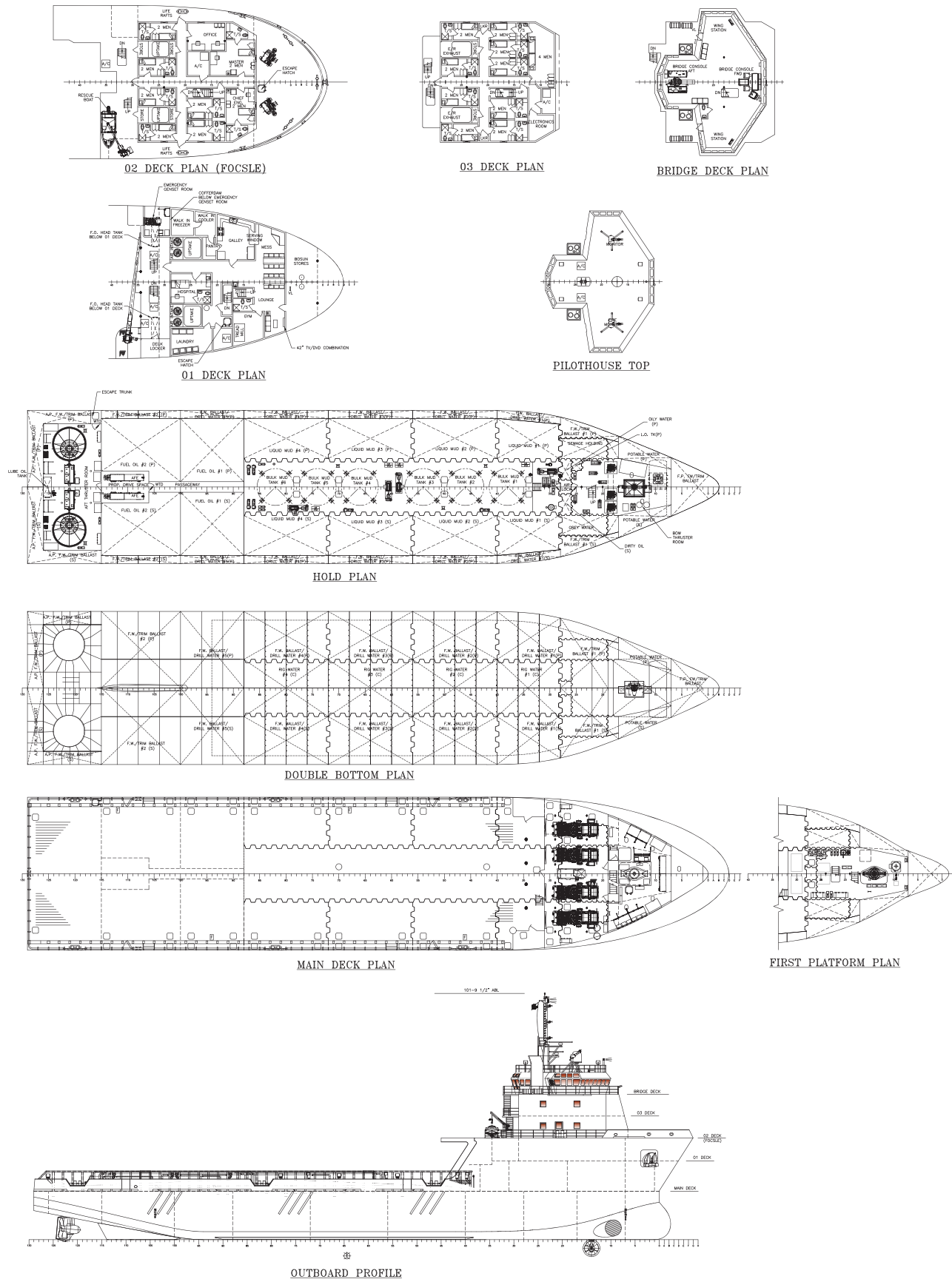
Nav/Comms Equipment

Radar(s):	2
Depth Sounder:	1
Gyro Compass:	3
Wind Speed Indicators:	3
Doppler Log:	1
Radio:	3 x VHF; 1 x SSB
Sat Com:	1 X FELCOM18

Special Equipment

Dynamic Positioning:	DP-2
<i>Ref. Systems:</i>	3 x MRU; 3 x DGPS 1 x Microwave-based; 1 x Laser-based
Mud Mixers:	Yes
Tank Cleaning:	Yes
Rescue Boat:	RSQ 450 A
Misc:	MSD - 32 Persons; BHS Water Traps Only

*Approximate values assuming Ideal Conditions





Tank	Contents	Volume m ³	Base Oil	Fuel Oil	Dry Bulk	DW/WB	Potable Water	Fresh Water	Brine	Liquid Mud	Methanol	Lube Oil	Foam	Oil Disp.
FP FW/Trim Ballast C	DW/WB	115.0				115.0								
FW/Trim Ballast 1P	DW/WB/FW	109.3				109.3		109.3						
FW/Trim Ballast 1S	DW/WB/FW	109.3				109.3		109.3						
FW/Trim Ballast 2P	DW/WB/FW	122.0				122.0		122.0						
FW/Trim Ballast 2S	DW/WB/FW	122.0				122.0		122.0						
FW Ballast/DW 1P	DW/WB/FW	78.1				78.1		78.1						
FW Ballast/DW 1S	DW/WB/FW	78.1				78.1		78.1						
FW Ballast/DW 2P	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 2S	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 3P	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 3S	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 4P	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 4S	DW/WB/FW	100.8				100.8		100.8						
FW Ballast/DW 5P	DW/WB/FW	103.1				103.1		103.1						
FW Ballast/DW 5S	DW/WB/FW	103.1				103.1		103.1						
AP FW/Trim Ballast P	DW/WB	56.3				56.3								
AP FW/Trim Ballast S	DW/WB	62.4				62.4								
Rig Water 1C	FW	45.1						45.1						
Rig Water 2C	FW	60.2						60.2						
Rig Water 3C	FW	59.5						59.5						
Rig Water 4C	FW	60.2						60.2						
Potable Water P	Ship's FW	62.6					62.6							
Potable Water S	Ship's FW	62.6					62.6							
Fuel Oil 1P	FO	256.0		256.0										
Fuel Oil 1S	FO	256.0		256.0										
Fuel Oil 2P	FO	214.4		214.4										
Fuel Oil 2S	FO	214.4		214.4										
FO Day Tk P	FO	23.6		23.6										
FO Day Tk S	FO	23.6		23.6										
FO Head Tk P	FO	1.0		1.0										
FO Head Tk S	FO	1.0		1.0										
LM Tk 1P	LM	161.6								161.6				
LM Tk 1S	LM	161.6								161.6				
LM Tk 2P	LM	231.6								231.6				
LM Tk 2S	LM	231.6								231.6				
LM Tk 3P	LM	231.6								231.6				
LM Tk 3S	LM	231.6								231.6				
LM Tk 4P	LM	231.6								231.6				
LM Tk 4S	LM	231.6								231.6				
DRY BULK TK NO.1C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.2C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.3C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.4C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.5C	Dry Bulk	43.4			43.4									
DRY BULK TK NO.6C	Dry Bulk	44.1			44.1									
Lube Oil Tk P	LO	4.4										4.4		
Z Drive LO Tk C	LO	3.3										3.3		
Total Volume [m ³]			0.0	990.1	261.2	1,663.3	125.2	1,654.5	0.0	1,712.5	0.0	7.7	0.0	0.0
Spec Sheet Total Volume [m ³]			0.0	940.9	261.2	843.1	125.2	1,654.5	0.0	1,712.5	0.0	7.7	0.0	0.0

*Capacities shown are for lead vessel. Actual capacities may vary slightly.

*Capacities shown in **RED** are excluded from the total volume.

*Capacities shown in **BLUE** are included in another Tank's Capacity.

*Capacities shown in **GREEN** are counted for multiple Tank Capacities.



Ship: Thomas-Sea H147
Run : All Online, 100%

