

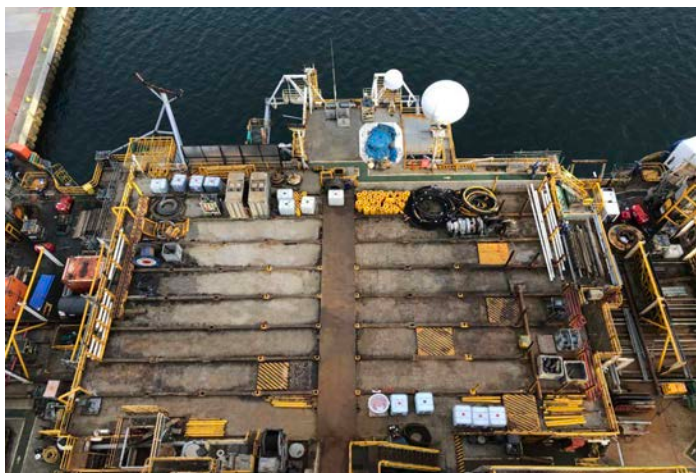


WELL-SAFE GUARDIAN SPECIFICATIONS

The single-asset solution for well decommissioning

General Description	
Name	Well-Safe Guardian
Design	Earl & Wright Sedco 700 Series
Year manufactured	1985 (major upgrade 2020)
Classification	ABS, A1 Column Stabilised Drilling Unit
Dimensions	227 ft long x 197 ft wide x 120 ft high
Draft	83 ft operating / 21 ft transit
Variable Deck Loading	Operational 3,125 ton, Transit 1,800 ton
Transit Speed	Up to 6.5 knots
Water depth	1,500 ft max / 200 ft min
Operating Depth	25,000 ft
Flag	Marshall Islands
Helideck	89 ft x 83 ft Rated for Sikorsky S-92, Airbus Helicopters H225

Well Abandonment Equipment	
Derrick	Dreco, 185 ft high with 50 ft x 40 ft base, static hook capacity of 1,224 kips (12 lines)
Draw-works	Oilwell E-3000, two DC electric motors, 800hp each, with 1.5" drilling line
Compensator	Brown Brothers hydraulic drill string motion compensator, 600 kips capacity with 20ft stroke
Rotary Table	Oilwell A-495, 49.5"
Top Drive	Varco TDS-4S, 650T + PH-85 pipe handler
Tubular Handling	Varco Iron Roughneck for tubulars from 3.5" to 9.75"
Mud Pumps	3 x Oilwell A1700-PT, 1,600 hp, 5,000 psi
Tree skidding	Tree deployment & recovery skidding system
Cement Unit	Schlumberger CPS-601 skid-mounted cementer 15,000psi, 2 x Detroit V12 diesel engines rated at 472BHP



A BESPOKE WELL DECOMMISSIONING UNIT

Well Control/Subsea Equipment	
Diverter	Regan KFDS 24" 500 psi diverter with 16" flowline
BOP Stack	Hydril 18 3/4" 15,000 psi five-ram preventer 2x Cameron 18 3/4" 10,000 psi annular preventer API S53 compliant, DMAS system complete with SAM unit
BOP Dimensions	W = 4,928 mm, L = 5,512 mm, H = 7,173 mm
LMRP Dimensions	W = 4,928 mm, L = 5,512 mm, H = 6,764 mm
Stacked Height	13,597 mm
C&K Manifold	3 1/16", 15,000 psi
Marine Riser	Shaffer DT-1 21", 50 ft long per joint
Tensioner	8 x 80 kips Brown Brothers wireline riser tensioners. Total capacity 800 kips with 50 ft of wire travel
Moonpool	19 ft
ROV	Moonpool-deployed, work class ROV

Fluid Handling	
Dedicated handling areas	
Handling & processing options identified	Bleed-off package enabling cold venting
	On & offline fluid filtration systems
	Offshore slops treatment
	Hydrocarbon storage capabilities

Mooring Systems	
(8) 3" x 4,500 ft Q4 stud link chains, (8) 12 T Mk-6 Stevpris anchors	
Full overhaul on anchor winches, gypsies and fairleads in 2020	
Pre-lay capabilities available	

Cranes	
1x 56 ton Seatrax S7226 with 141ft boom (port side)	
1x 54 ton Seatrax 9036 with 141ft boom (starboard side)	
BOP Gantry Crane	80 ton main block / 20 ton auxiliary

Power Management	
Main Power	3 x Ruston 12 RKCM diesel engines rated 3,320hp @ 900 rpm, each driving 2,350 kW AC generators 1 x Bergen KVG rated 3,044hp @ 720 rpm, driving a 2,160 kW AC generator
Emergency Power	Cummins KT 2300 rated 792hp @ 1,800 rpm driving Aggreko AMC 634A 500kW generator
Switch Board	(8) Bauteil SRC unit 2200A, 750V
Fuel Consumption	Operational – 15 m3 per day Non-Operational – 5 m3 per day

Accommodation	
100 persons (accommodation replaced in 2019)	
Client office and conferencing facilities	

Fluid Capacity	
No. of Pits	7 pits combined volume 2,003 bbls
Brine	3,150 bbls
Sack Storage	13,000 sacks
Portable Water	1,440 bbls
Drill Water	7,200 bbls
Barite/Bentonite	9083 cu ft
Bulk Cement	9083 cu ft
Fuel Oil	7200 bbls