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Arabian Drilling Company

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AD40



Rig ArabDrill 40
Type: MSC MPSV
Country: Saudi Arabia
Last reviewed and updated by Farid Djerraya, on Feb 2nd 2012

Design	Marine Structure Consultants (MSC)
Vessel Service date	1998
Specifications Classification	ABS Maltese Cross A1 Self-Elevating, Unit, +AMS, Restricted Area
Registry/Flag	Saudi Arabia
Length	53 m
Width	30.5 m
Depth of hull	4.9 m
Cantilever reach / transversal skid	N/A
Lightship draft	2.822 m @ 3856 MT
Transit draft- loadline	3.4 m @ 4763 MT
Variable load- transit/jacking/operat.	615 MT / 1009 MT /
Crew quarters	62 persons
Major upgrade	2007 (Drilling unit) 2011 (testing barge)
Rated drilling depth	N/A
Operating water depth	52 m
Thrusters	3 thrusters x 1250 kW

Jacking Systems	Type jacking system Pinions Pinion rating (each leg)- Pull Pinion rating (each leg)- Hold Leg length Sea floor interface (each leg) Environmental capability	BLM type C12 12 pinions per leg 1008 MT 1680 MT 79.3 m 22.78kips / sq. ft spudcan Operating Wind : 20.6 m/s Waves: 3 m at 6 sec. Current: 0.75 m/s Survival Wind : 36 m/s Waves: 10 m at 10 sec. Current: 1.6 m/s
Storage Capacities	Solid control mud tanks Trip tank / Strip tank Active Mud Tanks Reserve Mud Tanks Drill Water Potable Water Bulk mud and cement Sack Material Fuel Brine Others	N/A N/A 2 x 42.0 cu.m 2 x 26.8 cu.m 139.1 cu.m + 110.3 cu.m 2 x 93.6 cu.m 2 x 34 cu.m 1000 sq ft 111.6 cu.m + 108.1 cu.m N/A
Rig Equipment	Mast/Derrick- capacity Drawworks Auxiliary Brake (Elmagco) Main Power Emergency Power Power Conversion Mud Pumps Shale Shakers Mud cleaner Other solid control eqt Mud Mixing equipment Topdrive Rotary Table Crown Block Travelling Block Swivel Deck cranes Cementing unit Drill floor instrumentation Other major drill floor eqpt Communications Drilling line	N/A N/A N/A 4 x CAT3512 B (1360 kW ea.) driving 4 x ATO generators rated 600V, 60H 1700kVA 1 x CAT3406C generator set 480V, 60 H 345 kW Ross Hill 4 SCR Bays N/A N/A N/A N/A N/A N/A N/A N/A N/A Liebherr RL30/1100 LSC 36 MT, Liebherr RL 10(5)/18.3(30.5) LSC 15 MT N/A N/A N/A N/A N/A MDSS-complied with Area A3 regulations, Inmarsat C and mini M N/A
Blowout Preventer Equipment	Annular BOP Diverter type Ram Preventers BOP Handling Eqpt Choke Manifold BOP Control System Logging unit Coil tubing unit	N/A N/A N/A N/A N/A N/A N/A N/A
Well Services Equipment	Cavel Packing / Filtration equipment Other Integrated services equipment High Pressure Pump Lifeboat	N/A Schlumberger Well Testing Package 2 x MD-1000, 650 HP (use as Mill Pumps) 2 x Norsafe Totally Enclosed Lifeboat
Safety Equipment	Liferaft Fire fighting/detection Gas detection Others	4 x Hai an Pai 25 men Inflatable Liferaft + 2 x 12 men launchable liferaft Thorn Security, 32 channels with sensors Crowcon, 6 channels with sensors, for H2S + LEL

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