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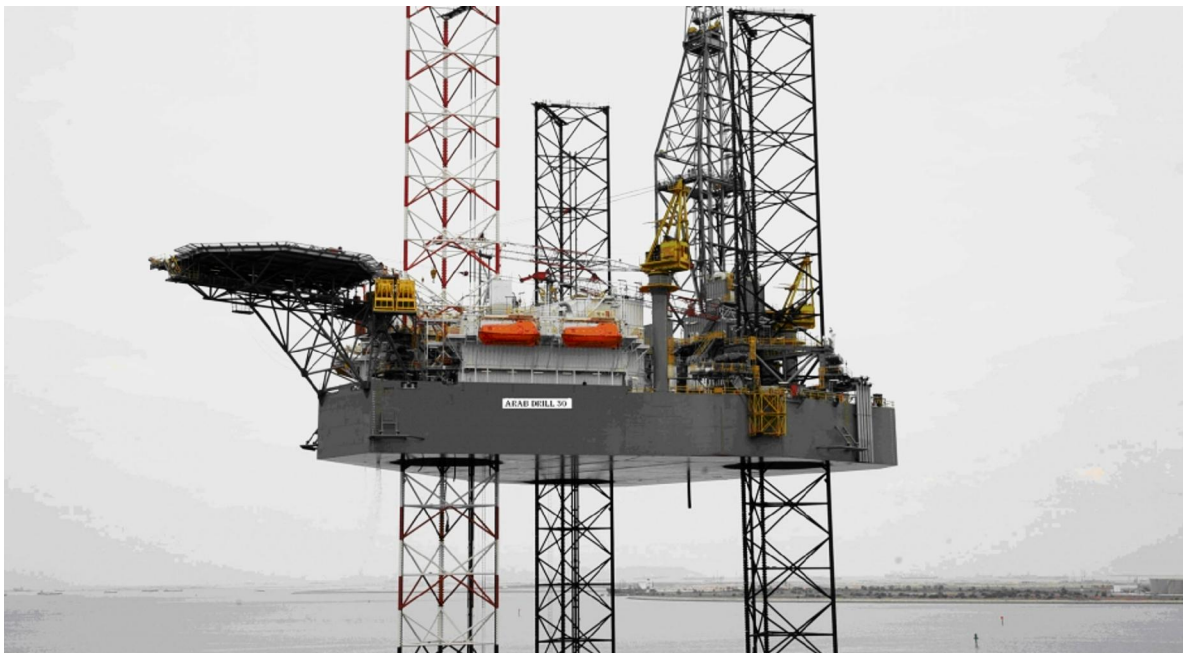


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AD30



Rig: ARAB Drill 30
 Type: Jackup
 Country: Saudi Arabia

Vessel Specifications	Design	KFELS Mod V 'B' Class Design
	Service date	2006
	Classification	American Bureau of Shipping – A1 Self elevating drilling unit
	Port of Registry/Flag	Dammam
	Length	234 ft
	Width	208 ft
	Depth of hull	25 ft
	Cantilever reach	70 ft aft x 30 ft transverse with 1395 kips load capacity at 70 ft aft
	Transversal skid	15 ft transverse Port and 15 ft transverse Starboard
	Lightship draft	11.25ft @ 23,985kips (10,882 tonnes)
	Transit draft with full deck load	16ft @ 34,386kips (15,597 tonnes)
	Variable load- transit/jacking/operat.	5070 / 18911 / 7600 kips
	Crew quarters	110 persons
	Major upgrade	Built in 2006 @ KEPPL FELS Shipyard, Singapore
	Rated drilling depth	30000 ft
	Operating water depth (min-max)	55 ft – 300 ft
	Tugs required to move	160 tons BP
	Helideck	73 ft diameter designed for Sikorsky S61-N and S 92 helicopters & in accordance with UK CAP 437 rules and regulations

Jacking Systems	Type jacking system Pinions Pinion rating – Normal Jacking Pinion rating – Preload Holding Leg length Sea floor interface (each leg) Environmental capability	OTD1000FV Model elevating system 36 1000 kips/pinion for 450 hours life 1869 kips/pinion w/o damage 430 ft 1643 Sq Ft. Diameter 47.20 Ft. Operating Wind : 70 Knots Waves: 54 ft at 14 sec. Current: 1.0 Knots Survival Wind : 100 Knots Waves: 56 ft at 14 sec. Current: 1.2 Knots
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	37 x 2 bbls 5 bbls 3878 bbl 2600 bbls 19919 bbl 2052 bbl 11300 cu ft 5000 sx 2577 bbls 837 bbls Base Oil: 648 bbls, Lube oil: 20 bbl, Dirty oil: 62 bbl, Skimmer: 335 bbl
Rig Equipment	Derrick- capacity Drawworks Auxiliary Brake (Elmagco) Main Power Emergency Power Power Conversion VFD System Mud Pumps Scalping Shale Shakers (upstream) Linear Motion Shale Shakers Desander □ Desilter □ Mud cleaner Other solid control eqt Mud Mixing equipment Topdrive Rotary Table Crown Block Travelling Block Hook Swivel Deck cranes Cementing unit Drill floor instrumentation Other major drill floor eqpt Communications Drilling line	1500 kips (SHL) Varco ADS-10T 3000HP AC N/A AC brake Varco 5 ea CAT3516B (1855 HP each) 1 ea 500 kW AC drilling system with VFD for 10 motors, Siemens, Rated Power – 8579 KW, 690V 3 ea Varco (Lewco) VMP-2215, 2200 HP & 7500 psi 1 x Dual □umbo box 4 x Thule VSM 300 Bandt Solid control equipment and Mud cleaners is 1 Brandt Hydraclone mud cleaner mounted on a King Cobra shaker Brndt Agitatoers Varco TDS-8SA, 750T with 65,500 ft.lbs continuous torque @ 94 rpm Varco RST – 49.5 Maker: WCI & Si□e: 14□x 7□ Shaffer Travelling Block , 7 sheaves x 68□dia 3 ea Favco 7.5K/10K with API SWL 12ST @ 120□ 50ST @ 40° Provided by Client Amphion drilling systems comprising of : 1 Flex work station (Equipped with 3 Touch screens HMI), Multi-Tool Controller (MTC) Ccabinet, Rigsense™ Application – 1 Rigsense Server, System 5 Data Acquisition (V-DAQ™) Module Chokmanifold is shaffer 15 K □AI-TRONICS □ELEMEC PLUS□PA/□A S□STEM. WITH MITEL S□-2000 MICRO LI□HT PAB□ S□STEM, CONTROL UNIT,300W 48V DC MAIN AND HOT STANDB□ AUDIO POWER AMPLIFIERS, TELEPHONE ACCESS PANEL- INSTALLED B□ MARSHAL TECHNOLO□□, SIN□APORE. 1 – 3/4□Si□e drilling line, Franklin Offshore Drill line spooler & Hercules deadline anchor
Blowout Preventer Equipment	Annular BOP Diverter type Ram Preventers BOP Handling Eqpt Choke Manifold	1 ea 13 – 5/8□5K Hydril Annular □ 1 ea 21 – 1/4□2K Hydril Annular Vetco □ray 49.5□KFDJ Diverter (500 psi) Cameron 20 – 3/4□3K Single Ram BOP Cameron 20 – 3/4□3K Double Ram BOP Cameron 13 – 5/8□10K Single Ram BOP Cameron 13 – 5/8□10K Double Ram BOP 2 x J D Neuhaus BOP Hoists Shaffer 15M Choke Manifold unit

	BOP Control System	Shaffer 3000 psi WP BOP Control HPU, 28 bottles
	Diverter Control System	Shaffer Diverter Control panel with 7 ea additional bottles
Well Services	Logging unit	Slb unit
Equipment	Coil tubing unit	not there but usually slb or Haliburton
	□ravel Packing / Filtration equipment	N/A
	Other Integrated services equipment	N/A
	Cement unit	Slb unit can pump up to 10K psi
Safety	Lifeboats	4 x Norsafe J□N74F Model (55 men each Totally enclosed lifeboats)
	Liferafts	6 x W H Brennan liferafts
	H2S safety systems	Cascade system installed by Total Safety covering muster points, rig floor, mud processing area, mud pits, mud mixing area, engine rooms, cranes etc & Scott 30 min packs
Equipment	Fire detection	Thorn (U.K) M□ T2000 Digital Protocol Addressable 4 Loop Fire Detection Control panel, 230VAC/1ph/60H□24Vdc 5A including Call Point-THORN CP820M, THORN CP830M, THORN CP840M, Heat Detector -811H M□, 801H Ex□Optical Smoke & Heat Detector – 811PH M□□Tripple IR Flame Detecto-S271f□M□r. INSTALLED B□ MARSHAL TECHNOLO□□, SIN□APORE
	Combustible □as detection	Sieger □as System, S 57-Total 20 Channel Control, 230VAC/1ph/60H□24Vdc 5A Including 4 channel Catalytic input Card(0-100□ LEL). □as Seneor Part Number 2106B1200 (LEL Transmitter 0-100□ LEL) Catalytic Output.
	H2S Detection	Sieger □as System, S 57-Total 20 Channel Control, 230VAC/1ph/60H□24Vdc 5A Including 4 channel 4-20mA Catalytic input Card (0-100 PPM). □as Sensor Part Number 2106B1402 (H2S Transmitter 0-100 PPM 4-20mA Output)
	Fire fighting	The unit is equipped with a foam system for helideck, refueling and fuel storage areas protection. Two monitors are installed fwd/central and aft/port of the helideck. Two fire stations and two foam hose reels are provided on the platform attached to the aft side of the helideck. An independent pump is provided for the foam and deluge system. This pump can also provide water to the firewater system. A deluge system is also provided for the drill floor area and underneath the drill floor / BOP area. An independent fire pump is provided for general firewater service lines. Two drill water pumps from the drill water system can also provide water to the firewater system. CO2 protection is provided for protection in areas such as: Emergency □enerator House, □alley Cooking Area, Main Engine Room, Paint Locker. A ventilation shutdown is integral to the system upon activation of the CO2 system. More than sufficient types of fire extinguishers have been provided. Fire hoses have been provided as to pertinent regulations. Two additional firewater monitors have been provided prot aft for area coverage for well test manifold area, paint stores, skidding hydraulic unit and engine exhaust piping.

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