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**offshore**

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## AD38



Rig            ARAB Drill 38  
 Type:        Jackup  
 Country:     Saudi Arabia

Vessel	Design	Baker marine Pacific Class 375
Specifications	Service date	6-Aug
	Classification	Self Elevating Drilling Unit
	Port of Registry/Flag	Singapore
	Length	72.1m
	Width	68.4M
	Depth of hull	8.5m
	Cantilever reach	24.3m
	Transversal skid	4.8m
	Lightship draft	5.93M
	Transit draft with full deck load	19.5
	Variable load- transit/jacking/operat.	2721T
	Crew quarters	112

	Major upgrade	
	Rated drilling depth	30000
	Operating water depth [min-max]	60 - 300FT
	Tugs required to move	3
Jacking Systems	Type jacking system	Baker Marine BMPL J800 [BLM C series
	Pinions	54
	Pinion rating [each leg] Pull	806 [IPS
	Pinion rating [each leg] Hold	922
	Leg length	506.39FT
	Sea floor interface [each leg]	231.62M2
	Environmental capability	70 [NOTT WIND] [CURRENT 1.5] [NTS] [WAVE HT 45]
Storage Capacities	Solid control mud tanks	160 bbls useable
	Trip tank	2 [30 bbls
	Strip tank	
	Active Mud Tanks	4077 bbls useable
	Reserve Mud Tanks	
	Drill Water	4850 BBLs
	Potable Water	3600 BBLs
	Bulk mud and cement	6 [55M3
	Sack Material	5000 SAC [S
	Fuel	BBLS
	Brine	1200 BBLs
	Others	
Rig Equipment	Derrick- capacity	1500 kips static hook load
	Drawworks	National Oilwell Varco /D3000UE AC
	Auxiliary Brake [Elmagco]	
	Main Power	5 [Caterpillar 3516 HD
	Emergency Power	Caterpillar 3508 TA
	Power Conversion	
	VFD System	<p>Make ABB /Type : ACS 800 107 1740 7 S R.</p> <p>No of VFD: 10 Cubicles with a Total of 30 Inverter Modules : Mud Pmp 1 A/B [6 Modules [2 AC Motors Mud Pmp 2 A/B [6 Modules [2 AC Motors</p> <p>Mud Pmp 3 A/B [6 Modules [2 AC Motors</p> <p>Draw-W [s A 3 Modules [1 AC Motor</p> <p>Draw-W [s B 3 Modules [1 AC Motor</p> <p>Draw-W [s C 3 Modules [1 AC Motor</p> <p>Top Drive 3 Modules [1 AC Motor</p> <p>The Rated Power from the Delta / Star Transformers is 5 MVa- 690volts [3phase- 60h [4184amps.</p> <p>There are Two Transformers coupled together with a Buss-Coupler ie [Total Power Available 10 MVA at 690 volts. Supplying a 12-Pulse rectifier.</p> <p>With normal drilling we can use 1 Transformer with the Buss-coupler opened ie: Available 5Mva [5000 [va [we use about 3.8MVA</p> <p>Motor Specifications: Make: [eneral Electric 690 volts [3phase [1000 [watts.</p>
	Mud Pumps	National Oilwell Varco 14-p-220 Triple [E 22A2 AC 1150HP Motors.
	Scalping Shale Shakers [upstream]	[umbo Master NOV / [M250-VS-PPL
	Linear Motion Shale Shakers	NOV DLMS-380 Super [
	Desander [Desilter [Mud cleaner	NOV DSN-3V-10CT [URETHENE H [DROCLONE [NOV DSL-16 [ [4CT [
	Other solid control eqt	
	Mud Mi [ng equipment	
	Topdrive	NOV HPS-750-E-AC-S [
	Rotary Table	NOV D-495
	Crown Block	NOV CB750
	Travelling Block Hook	NOV H [DRALIFT HTB750
	Swivel	NOV H [DRALIFT INTE [RATED WITH TOP DRIVE

	Deck cranes	BAKER MARINE, BMC2250D, BMC900D, BMC1600D
	Cementing unit	
	Drill floor instrumentation	NOV CERBERBASE
	Other major drill floor eqpt	RO-RACER, HDRA TON
	Communications	MDSS 2P, A SYSTEM
	Drilling line	15/8
Blowout Preventer Equipment	Annular BOP	HDRIL 183/4, 10000 PSI
	Diverter type	VETCO, RA, FDJ-1000
	Diverter type	
	Ram Preventers	HDRIL MPL 15, 183/4
	BOP Handling Eqpt	JD NEUHOUS PNEUMATIC CHAINHOISTS WITH PENDANT CONTROLS 2, 50T, 60T
	Choke Manifold	EEC 31/16, 15000PSI
	BOP Control System	HDRIL
Well Services Equipment	Logging unit	
	Coil tubing unit	
	Travel Packing / Filtration equipment	
	Other Integrated services equipment	
	Cement unit	
Safety	Lifeboats	3, 60 PERS
	Liferafts	6, 25 PERSONS
	H2S safety systems	
Equipment	Fire detection	SIEER
	Combustible Gas detection	SIEER
	H2S Detection	SIEER
	Gas detection	SIEER
	Fire fighting	SEA WATER FIRE MAIN, FIRE PUMP, BILGE AND BALLAST PUMP, CO2 FLOODING SYSTEM

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