

# Raniworo



## RANIWORD

**Self-Elevating drilling unit rig, three independent legs (Jackup), built in 1982, 1<sup>st</sup> upgraded in 1995, 2<sup>nd</sup> upgraded in 2012. Having ABS classification and Indonesian Flag.  
10,000 Psi BOP System – 7,500 psi WP Mud System – 2,000 HP Drawworks**

Design	: Baker Marine BMC 300 IC
Dimensions/ LOA	: 212.08 ft (64.6 m) x 210 ft (64 m) x 26 ft (7.9 m)
Maximum Water Depth	: 345 ft (105.15m) 400 ft leg available below hull
Drilling Capacity	: 25,000 ft (7,620 m w/ 5" DP)
Power Main engines	: 4 x Caterpillar D-3516B - 1,855 HP each
Emergency generator	: One CAT D 379 Caterpillar
Drilling Load Capacity	: Setback Load 450 Kips, Rotary Load 750 Kips, Hook Load 1,000 kips
Drawworks	: Oil Well 2,000 HP
Derrick	: Continental -EMSCO - 20 RD derrick 1.33M Hookload. 147 ft clear height, base 30 x 30x (9.14m x 9.14m), Static hook capacity of 1,330,000 lbs.
Traveling block	: Oilwell 1.500 kips [680m. tons) 750 short tons
Rotary table	: Oilwell B-37½. RST 37½" 650 ton. Independent drive 1000 hp
Mud Pumps	: Three, (3 ea.) Oilwell Model A1700PT 7,500 psi. 1600 HP continuous.
Top Drive	: Varco – TDS 4S <ul style="list-style-type: none"><li>• 1x 1,150 hp AC motor 650 Tons</li><li>• 7,500 PSI working pressure</li><li>• Max Continuous Torque 45,500+ ft-lbs, Max RPM: 220</li></ul>
Drilling Control	: Varco VDC. Conventional mechanical braking system
Iron Roughneck	: Varco / AR-3200 CM, pipe range f/ 3 1/2" to 9 3/4"
Mud tanks	: 2,245 bbl liquid; 1,800 bbl oil base / 1,800 bbl brine Slugging Pit Capacity 62 bbls [10 cu.m)
Sack Storage	: 5,000 sacks
Mud Process	: 5 ea x VSM 300 Shale Shakers - Brandt 3 x mud centrifuges low / high speed 1 x Cuttings dryer. 1 x Mud cooler.
Fuel Capacity	: 4,890 Bbls [777 cu.m]
Diverter System	: 1 ea. 29-½" MSP 500 psi Hydril diverter
BOP	: 1 ea. 21 ¼" Cameron Double 2000 psi. w/ 21 ¼" 2000 psi annular 2 ea x 13 5/8" Cameron Double Ram 10,000 psi 1ea 5,000 psi Cameron type D Annular BOP Choke Manifold: 10,000 psi up stream & 5,000 psi downstream, 2 kill and 2 choke line 3"
Drilling Pattern	: 45 ft x 24 ft (13.7m x 7.3m)
BOP Control	: Koomey Inc, Type – 80 BOP control unit w/ two (2) independent sources of energy (air & electricity)
BOP Testing	: 13 5/8" 10 M BOP stumps and 1 ea. test pump
Cranes	: 1 ea. FMC Link Belt ABS 218A with 100 Foot boom, 27.6 T SWL & 4.5 T Aux hoist 2 ea. BMC 900 – C, Baker Marine with 100 Foot boom, 19.9 T SWL & 3 T Aux hoist
Helideck	: Design for S-61 N Helicopter, Gross capacity 9.3 mt
Living Quarters	: 119 persons + 5 offices

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