



## RIG 14 Range III Single

<b><u>CAPACITY</u></b> -	1900 m, 4.1 m KB. Floor height 3.81 m.
<b><u>DRAWWORKS</u></b> -	RigMaster P300 Single Drum, grooved for 25.4 mm drill line and an Eaton 224 WCB disc brake.
<b><u>RIG POWER</u></b> -	Caterpillar 3306 rated at 242 kW w/ an Allison HT 750 DR 5-speed automatic transmission.
<b><u>SUBSTRUCTURE</u></b> -	RigMaster 16-wheel hi boy w/ integrated drawworks, rotary table, cantilevered raised drilling floor, and hydraulic sub leveling system. Casing capacity 53,400 daN irrespective of set back. Clear height 3.30 m.
<b><u>MAST</u></b> -	RigMaster mast, static hook load w/ 8 lines rated at 90,000 daN. Clear height 23.5 m.
<b><u>BLOCK-HOOK</u></b> -	NTI 150 ton split block, SHL rated at 133,440 daN.
<b><u>TOP DRIVE</u></b> -	Tesco 250 HMI 450. 2,847 daN-m drilling torque, 3,195daN-m breakout torque, 170rpm max speed.
<b><u>ROTARY TABLE</u></b> -	Howard Turner RT-18.
<b><u>FLOOR TOOLS</u></b> -	ALCO Big Block Iron Roughneck with spinner. 73mm to 346mm OD range, 100,000ft-lbs make-up and break-out torque.
<b><u>CATWALK</u></b> -	Thunder & Lightning hydraulic power catwalk capable of moving tubulars up to 14.3 m and 4,000kg
<b><u>MUD PUMP</u></b> -	One F1000 powered by a CAT 3508, maximum pressure w/ 152 mm liner is 20,754 kPa, 120 SPM.
<b><u>MUD SYSTEM</u></b> -	Single tank, 4 compartments including pill tank, 38.9 m <sup>3</sup> , equipped w/ (2) 127mm x 152mm centrifugal pumps, 610mm poor boy degasser, low pressure mix system, 5.0 m <sup>3</sup> trip tank, mix building, and a choke manifold building.
<b><u>SHAKER</u></b> -	Derrick Dualpool.
<b><u>B.O.P. EQUIPMENT</u></b> -	Shaffer 229 mm 21,000 kPa annular preventer. (2) Shaffer LWP 229 mm 21,000 kPa single gate ram preventers. Neutron 300L 5-station, controlled PLC accumulator.
<b><u>LIGHT PLANTS</u></b> -	One Caterpillar C9 w/250 kW 480/208 volt AC generator and one Caterpillar 3306 w/225 kW 480/208 Volt AC generator.
<b><u>FUEL &amp; WATER TANK</u></b> -	Fuel storage 10,000 L. Water storage 51 m <sup>3</sup> .
<b><u>BOILER</u></b> -	Volcano 80 HP.
<b><u>DRILL STRING</u></b> -	As per Contract.
<b><u>R.M. QUARTERS</u></b> -	ATCO wheeled unit.
<b><u>PIPE TUBS</u></b> -	Two hydraulic pipe tubs.
<b><u>WINTER LOADS</u></b> -	13

All ratings quoted herein are manufacture specifications. AKITA's normal operating parameters are 90% of manufacturers mast rating and 80% of mud pump manufacturer pressure rating. Operation of rig equipment beyond these parameters requires approval from AKITA field office management.