



RIG 12 Range III Single

<u>CAPACITY</u> -	1900 m, 4.1 m KB. Floor height 3.81 m.
<u>DRAWWORKS</u> -	RigMaster P300 Single Drum, grooved for 25.4 mm drill line and an Eaton 224 WCB disc brake.
<u>RIG POWER</u> -	Caterpillar 3306 rated at 242 kW w/ an Allison HT 750 DR 5-speed automatic transmission.
<u>SUBSTRUCTURE</u> -	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.
<u>MAST</u> -	RigMaster mast, static hook load w/ 8 lines rated at 90,000 daN. Clear height 23.5 m.
<u>BLOCK-HOOK</u> -	NTI 150 ton split block, SHL rated at 133,440 daN.
<u>TOP DRIVE</u> -	Tesco 250 HMI 450. 2,847 daN-m drilling torque, 3,195daN-m breakout torque, 170rpm max speed.
<u>ROTARY TABLE</u> -	Howard Turner RT-18.
<u>MUD PUMP</u> -	Gardner Denver PZ8 triplex powered by a Caterpillar 3412 rated at 450 kW, maximum pressure w/ 152 mm liner is 18,730 kPa, 120 SPM.
<u>MUD SYSTEM</u> -	Single tank, 4 compartments, 70 m ³ , equipped w/ (2) 127 mm x 152 mm centrifugal pumps, 762 mm poor boy degasser, a low pressure mix system, mix building, 5.2 m ³ trip tank.
<u>SHAKER</u> -	Two Double Life Linear motion shale shakers.
<u>B.O.P. EQUIPMENT</u> -	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.
<u>LIGHT PLANTS</u> -	One Caterpillar C9 w/250 kW 480/208 volt AC generator and one Caterpillar 3306 w/225 kW 480/208 Volt AC generator
<u>FUEL & WATER TANK</u> -	Fuel storage 10,000 L. Water storage 45 m ³ .
<u>BOILER</u> -	Williams & Davis 80 HP.
<u>DRILL STRING</u> -	As per Contract.
<u>R.M. QUARTERS</u> -	ATCO wheeled unit.
<u>PIPE TUBS</u> -	Two hydraulic pipe tubs.
<u>WINTER LOADS</u> -	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.