



RIG 90 PAD

<u>CAPACITY</u> -	9.14m (30 ft) Floor height.
<u>DRAWWORKS</u> -	Pacific Rim Engineered Products 3000hp AC Drawworks, grooved for 41.3 mm (1 5/8") drilling line, with two Svenborg BSFK series caliper brakes for emergency braking. Powered by two Amerimex 1500hp Induction motors.
<u>RIG POWER</u> -	Five Caterpillar 3512 generator sets with CAT's CGB bi-fuel system rated at 1100 kW output each, 5500kW total available. GE (Converteam) generator controls and VFD's. Rig is capable of running on highline power through operator supplied transformer.
<u>SUBSTRUCTURE</u> -	Lee C. Moore HMRII hydraulically raised self elevating. Casing capacity irrespective of setback 556,000 daN. Setback capacity 444,800 daN. Clear height 7.35 m.
<u>MAST</u> -	Lee C. Moore HMRII hydraulically raised, static hook load w/ 12 lines rated at 556,000 daN. Clear height 44.2 m.
<u>TOP DRIVE</u> -	Integrated Tesco 750 ton ESI 1350. Continuous drilling torque of 95,140 N-m (70,000 ft-lbs) up to 100rpm. 114,168 N-m (84,000 ft-lbs) of make-up and 135,915 N-m (100,000 ft-lbs) break-out torque.
<u>FLOOR TOOLS</u> -	Varco ST-100 iron roughneck, Blohm and Voss PS-500 power slips, Blohm and Voss rotating mouse hole.
<u>BLOCK-HOOK</u> -	Lee C Moore 650 ton Becket rated at 578,268 daN.
<u>ROTARY TABLE</u> -	HHF 37 ½, 952.5 mm opening, rated at 584,956 daN.
<u>MUD PUMPS</u> -	Three Gardner Denver PZ-2400 triplex mud pumps with 7,500psi fluid ends. Each pump is powered by one 2400hp AC induction motor rated at 1790 kW each. 7,500psi circulating system.
<u>MUD SYSTEM</u> -	Three tank 280 m3 mud system with six 6"x8"x14" direct drive centrifugal mix pumps. Electric over air operated valves. 28 m3 scalping tank with two 6"x8"x14" direct drive centrifugal transfer pumps.
<u>MOVING SYSTEM</u> -	Lee C. Moore Rig Rover walking system capable of moving in the x and y directions, and rotating about well center. 61m of utility suitcases.
<u>SHAKER</u> -	Four Derrick Dualpool shakers mounted on the scalping tank.
<u>CATWALK</u> -	Axiom hydraulic power catwalk capable of moving tubulars up to 14.3 m and 4,000 kg.
<u>B.O.P. EQUIPMENT</u> -	346 mm 34,500 kPa annular, (3) 346mm 69,000kPa ram preventer stack, 127-168 mm variable bore ram blocks. 540mm 14,000kPa annular, (2) 540mm 14,000kPa ram preventer stack. 7-station 1,272 L, 21,000 kPa accumulator, PLC electric remote. Flare tank. Lee C Moore BOP handlers for both stacks.
<u>FUEL & WATER TANK</u> -	Fuel storage 64,000 L. Water storage 120 m ³
<u>BOILER</u> -	Two 93 kW (125hp) Saskatoon boilers with dual fuel burners.
<u>DRILL STRING</u> -	As per contract.
<u>MISCELLANEOUS</u> -	240 Gallon Vacuum, genie, steel matting for under the rig.
<u>WINTER LOADS</u> -	78 rig loads, drill string not included.

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.