



RIG 46 PAD

<u>CAPACITY</u> -	3000 m (pad), 5000 m (conventional), 6.0 m KB. Floor height 5.5 m (in pad configuration).
<u>DRAWWORKS</u> -	National 80 UE single drum, grooved for 31.8 mm drill line, c/w an Elmagco 6032 auxiliary brake and (2) GE 752 DC traction motors. Capacity w/ 10 lines rated at 280,000 daN.
<u>RIG POWER</u> -	Three Caterpillar C32 Engines w/SR4B - 910 kW generators. Total power available, 2730 kW to M+I SCR system.
<u>SUBSTRUCTURE</u> -	Dreco box type, modified lower box w/ integrated moving system. Casing capacity irrespective of setback, 289,000 daN. Setback capacity 200,000 daN. Clear height 4.4 m.
<u>BLOCK</u> -	Emsco RA 44-5 rated at 311,360 daN.
<u>SWIVEL</u> -	National P400 rated at 356,000 daN.
<u>MAST</u> -	Dreco Mast, static hook load w/ 10 lines rated at 280,000 daN. Clear height 41.5 m.
<u>TOP DRIVE</u> -	Tesco 500 ton ECI 900 AC Electric Top Drive rated at 445,000 daN. Input power rated at 670 kW w/ 4,976 daN-m drilling torque, 6,101 daN-m make-up and 7,592 daN-m breakout torque. Top speed of 193 RPM.
<u>FLOORTOOLS</u> -	Varco ST-80 iron roughneck.
<u>ROTARY TABLE</u> -	National C-275, 699 mm opening.
<u>MUD PUMPS</u> -	Two HHF-1600 powered by a 752HT traction motor, available liner sizes 127mm - 190mm. Max pressure with 127mm liners is 30,000 kpa. Max speed 100 SPM.
<u>MOVING SYSTEM</u> -	1,000,000 lbs Hodgson system, capable of moving w/ rated setback. Moves w/ the doghouse, scalping tank, manifold, top drive building and attached utility suitcases. Able to rotate 90 degrees and move linearly. Total suitcase length of 100 m.
<u>MUD SYSTEM</u> -	Central complex - 192 m ³ two tank system comprised of 7 compartments including an 8.6 m ³ pill compartment and (2) pump buildings. Equipped w/ (6) agitators, (4) 127 mm x 152 mm centrifugal pumps and a low pressure mix system. Premix tank - 61.1 m ³ one tank system comprised of 5 compartments. Equipped w/ (5) agitators, (2) 127 mm x 152 mm centrifugal pumps. Drilling module – a 29.6 m ³ scalping tank w/ (2) 152 mm x 127 mm variable speed centrifugal pumps w/ 356 mm impellers and a 3.9 m ³ trip tank.
<u>SHAKER</u> -	Three Mongoose at complex, two Derrick Dual Pool 626 shakers on scalping tank at drilling module. One Mongoose shaker on premix tank.
<u>B.O.P. EQUIPMENT</u> -	Hydril 21 ¼" MSP complete w/ valve and spool. 6" 3000 GWC Ball Valve HCR. Wagner 681 L, 21,000 kPa 6-station accumulator, w/ (2) electric triplex pumps, an air pump, and electric remote.
<u>CATWALK</u> -	Jaco hydraulic powered open center catwalk capable of moving tubulars up to 4400 kg and 14.5m in length.
<u>FUEL & WATER TANK</u> -	Fuel storage 30,000 L. Water storage 95.4 m ³ .
<u>BOILER</u> -	One 75kW (100hp) Cessco and one 75kW (100hp) InDeck.
<u>DRILL STRING</u> -	As per Contract
<u>R.M. QUARTERS</u> -	ATCO skid unit. Electric.
<u>LOADS</u> -	49 plus drill string

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.