



RIG 28 PAD

<u>CAPACITY</u> -	3,000 m, 5.44 m KB. Floor height 4.99 m to table including matting.
<u>DRAWWORKS</u> -	AC Drawworks, grooved for 31.8 mm drilling line, w/ twin disc brakes and regenerative braking. Powered by TT1500 Induction motor.
<u>RIG POWER</u> -	Two Caterpillar 3412C rated at 700 kW, c/w Kato 700 kW 575 Volt AC Generators. One Caterpillar C32 rated at 910kW. Alstom generator controls and VFD's.
<u>SUBSTRUCTURE</u> -	Hodgson single piece substructure. Casing capacity irrespective of setback 200,000 daN. Setback capacity 178,000 daN. Clear height 3.92 m.
<u>MAST</u> -	Hodgson mast, static hook load w/ 10 lines rated at 222,400 daN and 8 lines rated at 213,500 daN. Clear height 41.5 m.
<u>TOP DRIVE</u> -	Tesco 350 ton EXI 600 AC electric top drive rated at 311,360 daN. Input power rated at 448 kW w/ 4067 daN-m continuous drilling torque and 6101 daN-m make-up/breakout torque.
<u>FLOOR TOOLS</u> -	Varco ST-80 iron roughneck.
<u>BLOCK-HOOK</u> -	American Block 350 ton becket rated at 311,360 daN.
<u>ROTARY TABLE</u> -	Lewco L275, 699 mm opening, rated at 445,000 daN.
<u>MUD PUMPS</u> -	Two 1300 Hp Lewco 1312 triplex mud pumps each powered by an OEM TT1500 AC induction motor each pump rated at 970 kW.
<u>MUD SYSTEM</u> -	Two tank system, 9 compartments, 160 m ³ . Mix tank pump room includes (2) 152 mm x 127 mm centrifugal pumps w/ 356 mm impellers for mixing and mud row. The two tanks have (6) 7.5 kW agitators. The scalping tank at the main drilling complex holds 18 m ³ and has (2) Mission Magnum 5" x 6" x 14" variable speed centrifugal pumps.
<u>MOVING SYSTEM</u> -	Walking beam hydraulic moving system capable of moving entire drilling module in linear motion or rotation.
<u>SHAKER</u> -	Five Brandt King Cobra's. <i>(three @ scalping, two @ central facility)</i>
<u>CATWALK</u> -	Hunterwood Hydraulic power catwalk capable of moving tubulars up to 14.3 m and 4,000 kg.
<u>B.O.P. EQUIPMENT</u> -	Hydril MSP 540 mm 14 MPa annular diverter. 6-station 681 L, 21,000 kPa accumulator, PLC electric remote.
<u>FUEL & WATER TANK</u> -	Fuel storage 24,000 L. Water storage 60 m ³ .
<u>BOILER</u> -	Two Indeck 75kW (100hp) steam boilers.
<u>DRILL STRING</u> -	9" DC's, 6 ¼ " DC's, 5 ½ " Hevi-wate, and 5 ½ " Drill Pipe.
<u>R.M. QUARTERS</u> -	ATCO skid unit. Electric.
<u>WINTER LOADS</u> -	52 loads (Excluding camp).

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.