



## RIG 27 PAD

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| <b><u>CAPACITY</u></b> -              | 3,000 m, 5.15 m KB. Floor height 4.99 m to table including matting.   |
| <b><u>DRAWWORKS</u></b> -             | AC Drawworks, grooved for 31.8 mm drilling line, w/ Wichita 336 spring applied emergency brakes and regenerative braking,. Powered by TT1500 Induction motor.   |
| <b><u>RIG POWER</u></b> -             | Three Caterpillar C32 generator sets rated at 910 kW. Convertteam generator controls and VFD's.   |
| <b><u>SUBSTRUCTURE</u></b> -          | Hodgson single piece substructure. Casing capacity irrespective of setback 200,000 daN. Setback capacity 178,000 daN. Clear height 3.92 m.  |
| <b><u>MAST</u></b> -                  | 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.  |
| <b><u>TOP DRIVE</u></b> -             | Tesco 350 EXI 600 Top Drive w/ integrated swivel rated at 311,360 daN. Input power rated at 447 kW w/ 4067 daN-m continuous drilling torque and 6101 daN-m make-up/breakout torque. Top speed at 220 RPM.   |
| <b><u>FLOOR TOOLS</u></b> -           | Varco ST-80 iron roughneck.   |
| <b><u>BLOCK-HOOK</u></b> -            | 350 ton McKissick Becket rated at 311, 360 daN.   |
| <b><u>ROTARY TABLE</u></b> -          | HHF 27 ½, 699 mm opening, rated at 445,000 daN.   |
| <b><u>MUD PUMPS</u></b> -             | Twin 1600 Hp triplex mud pumps powered by an OEM TT1500 AC induction motor each rated at 970 kW.  |
| <b><u>MUD SYSTEM</u></b> -            | Two tank system, 6 compartments, 143.7 m <sup>3</sup> . Mix tank pump room includes (2) 6" x 5" centrifugal pumps w/ 14" impellers for mixing and mud row. The two tanks have (6) 7.5 kW agitators. The scalping tank at the main drilling complex holds 13.1 m <sup>3</sup> and has (2) Mission Magnum 5" x 6" x 14" variable speed centrifugal pumps. A 65 m <sup>3</sup> premix tank is not included in the active system. |
| <b><u>MOVING SYSTEM</u></b> -         | Walking beam hydraulic moving system capable of moving entire drilling module in linear motion or rotation. 344.5 ft (105m) in connectable utility suitcases.   |
| <b><u>SHAKER</u></b> -                | Four 600 Dualpool. (2 scalping, 2 @ central facility)   |
| <b><u>CATWALK</u></b> -               | North Rig Hydraulic power catwalk capable of moving tubulars up to 14.3 m and 4,000 kg.   |
| <b><u>B.O.P. EQUIPMENT</u></b> -      | 346mm, 21 MPa Annular and two Ram BOP Stack, 6-station 742 L, 21,000 kPa accumulator, PLC electric remote. Flare tank and diverter tank.  |
| <b><u>FUEL &amp; WATER TANK</u></b> - | Fuel storage 30,000 L. Water storage 60 m <sup>3</sup> , Thunder & Lightning.   |
| <b><u>BOILER</u></b> -                | Two 93kW (125hp) steam boilers, Saskatoon Boilers.  |
| <b><u>DRILL STRING</u></b> -          | 5½" Hevi-wate, 5 ½" Drill Pipe and 3 ½" displacement string   |
| <b><u>MISCELLANEOUS</u></b> -         | 240 Gallon Vacuum, four 400 BBL tanks, genie, pull down winches (20,000 daN), two cuttings tanks, 12 additional wood mats for pad move efficiency, one 150 kW Generator for running the onsite quarters.  |
| <b><u>WINTER LOADS</u></b> -          | 64 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.