



RIG 25 PAD

<u>CAPACITY</u> -	3,500 m, 5.44 m KB. Floor height 5.03 m to table including matting.
<u>DRAWWORKS</u> -	PREP AC Drawworks, grooved for 31.8 mm drilling line, w/ Wichita 336 spring applied emergency brakes and regenerative braking,. Powered by TT1500 Induction motor.
<u>RIG POWER</u> -	Three Caterpillar 3512 generator sets rated at 1225 kW. Convertteam 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 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.
<u>FLOOR TOOLS</u> -	Varco ST-80 iron roughneck.
<u>BLOCK-HOOK</u> -	350 ton Becket rated at 311, 360 daN.
<u>ROTARY TABLE</u> -	HHF 27 ½, 699 mm opening, rated at 445,000 daN.
<u>MUD PUMPS</u> -	Twin 1600 Hp triplex mud pumps powered by an OEM TT1500 AC induction motor each rated at 1119 kW.
<u>MUD SYSTEM</u> -	Two tank system, 8 compartments, 180 m ³ . 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 18 m ³ and has (2) Mission Magnum 5" x 6" x 14" variable speed centrifugal pumps. A 65m ³ premix tank.
<u>MOVING SYSTEM</u> -	Walking beam hydraulic moving system capable of moving entire drilling module in linear motion or rotation. 400 ft (122m) in connectable utility suitcases.
<u>SHAKER</u> -	Five Brandt King Cobra shakers. (3 scalping, 2 @ central facility). One mini cobra on pre-mix tank.
<u>CATWALK</u> -	Thunder & Lightning Hydraulic power catwalk capable of moving tubulars up to 14.3 m and 4,000 kg.
<u>B.O.P. EQUIPMENT</u> -	346 mm 21,000 kPa annular, (2) 346 21,000kPa Ram preventers. 6-station 742 L, 21,000 kPa accumulator, PLC electric remote. Flare tank.
<u>FUEL & WATER TANK</u> -	Fuel storage 32,000 L. Water storage 60 m ³ .
<u>BOILER</u> -	Two 93 kW (125hp) steam boilers.
<u>DRILL STRING</u> -	170 - 5 ½" drill pipe, 80 - 5 ½" heavy-weight, 12 - 6 ¾" drill collars, 3 - 9" drill collars
<u>MISCELLANEOUS</u> -	240 Gallon Vacuum, genie, pull down winches (20,000 daN).
<u>WINTER LOADS</u> -	41 plus 10 drill string loads; 51 total.

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.