



RIG 20 PAD

<u>CAPACITY</u> -	4000 m, 5.10 m KB (6.16 m w/ pony sub). Floor height 4.88 m (5.94 m w/ pony sub).
<u>DRAWWORKS</u> -	RigMaster E-850, single drum, grooved for 28.6 mm drill line, w/ Eaton 236 WCB disc brake on drum shaft.
<u>RIG POWER</u> -	Three 3508B Caterpillar rated at 640 kW, c/w Kato 1050 kW 575 Volt AC Generators powering a Hill Hayes model 1601 SCR and an Allen Bradley MCC.
<u>SUBSTRUCTURE</u> -	Hodgson single piece substructure. Casing capacity irrespective of setback 200,000 daN. Setback capacity 178,000 daN, Clear height 4.85 m, w/ 54" pony sub.
<u>MAST</u> -	Hodgson Mast, static hook load w/ 10 lines rated at 222,400 daN. Clear height 40.5 m.
<u>MOVING SYSTEM</u> -	Hodgson 3,500,000 lbs capacity track moving system that moves the entire rig as one piece.
<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> -	NOV IR3080 Iron Roughneck.
<u>BLOCK-HOOK</u> -	Emsco RA-44-5, rated at 311,000 daN.
<u>ROTARY TABLE</u> -	National C-275, 699 mm opening.
<u>MUD PUMPS</u> -	Two Lewco WH-1300 powered by a GE 752 Hi-Torque rated at 820 kW, maximum pressure w/ 127 mm liners is 27,790 kPa, 110 SPM.
<u>MUD SYSTEM</u> -	Two tank system, 8 compartments including 2 pill tanks, 150 m ³ . 5 m ³ trip tank located in substructure and a low pressure mix system w/ (7) agitators.
<u>SHAKER</u> -	Two Derrick Hyperpool shakers.
<u>CATWALK</u> -	Pipe Wranglers Hydraulic power catwalk.
<u>B.O.P. EQUIPMENT</u> -	Shaffer Spherical 279 mm 34,500 kPa annular preventer, (1) Shaffer LWS 279 mm 34,500 kPa double gate and one ram preventer, Cameron 76 mm 34,500 kPa Choke Manifold. NACE trim sour service equipment, ECS 530 L, 21,000 kPa 6 station accumulator, and PLC electric remote.
<u>FUEL & WATER TANK</u> -	Fuel storage 26,000 L. Water storage 78 m ³ .
<u>BOILER</u> -	Volcano 100hp and 80hp.
<u>DRILL STRING</u> -	As per Contract.
<u>WINTER LOADS</u> -	34 loads (41 w/ moving system).

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.