



## RIG 51

<b><u>CAPACITY</u></b> -	2700 m, 5.2 m KB. Floor height 4.90 m.
<b><u>DRAWWORKS</u></b> -	Oilwell 500 single drum, grooved for 28.6 mm drill line, c/w an 559 mm hydromatic brake. Rated at 108,000 daN.
<b><u>RIG POWER</u></b> -	Caterpillar 3406C rated at 343 kW w/ Allison 6061 4-speed transmission w/ reverse.
<b><u>SUBSTRUCTURE</u></b> -	One piece substructure. Casing capacity irrespective of setback, 133,400 daN. Setback capacity 100,000 daN. Clear height 3.60 m.
<b><u>MAST</u></b> -	Lee C. Moore double Mast, static load w/ 8 lines rated at 133,400 daN. Clear height 31.5 m.
<b><u>BLOCK HOOK</u></b> -	National 435-G-175 block-hook, rated at 155,750 daN.
<b><u>SWIVEL</u></b> -	Oilwell PC150, rated at 133,400 daN w/ Foster 77 kelly spinner.
<b><u>ROTARY TABLE</u></b> -	National C-175, 444.5 mm opening.
<b><u>MUD PUMP</u></b> -	Two National 8-P-80 rated at 600 kW powered by a Caterpillar D379TA, rated at 375 kW continuous power, maximum pressure w/ 152 mm liner is 17,168 kPa, 120 SPM ( <i>other liner sizes available 127 mm and 139.7 mm</i> ).
<b><u>MUD SYSTEM</u></b> -	Single tank, 5 compartments including pill tank, trip tank, and mix building, 54 m <sup>3</sup> . Equipped w/ 914mm poor boy degasser, (2) 127 mm x 152 mm centrifugal pumps (279mm Impeller) and a low pressure mud system.
<b><u>DESILTER</u></b> -	Chimo 10 cone desilter.
<b><u>SHAKER</u></b> -	Two MI Swaco Mongoose 4 panel.
<b><u>B.O.P. EQUIPMENT</u></b> -	One Shaffer spherical 279 mm 21,000 kPa annular preventer. (2) Shaffer LWS 279 mm 21,000 kPa single gate ram preventers. Cameron / WKM 51 mm x 76 mm 21,000 kPa choke manifold. Valvcon 318 L, 21,000 kPa 5-station accumulator, electric remote.
<b><u>LIGHT PLANT</u></b> -	Caterpillar 3306 225 kW 480/208 Volt AC generator, 3406C 320 kW, 480/208 Volt AC generator.
<b><u>FUEL &amp; WATER TANK</u></b> -	Fuel storage 12,000 L. Water storage 50 m <sup>3</sup> .
<b><u>BOILER</u></b> -	Two Lister 100 Hp.
<b><u>DRILL STRING</u></b> -	As per Contract.
<b><u>R.M. QUARTERS</u></b> -	ATCO skid unit, (Electrical).
<b><u>PIPE TUBS</u></b> -	Six manual tubs.
<b><u>WINTER LOADS</u></b> -	29

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.