

1000HP drilling Rig Package
Full Package with Crew, 12,500 feet Drill Pipes and Tools
This rig can be available with 500 Ton Top drive (optional)
Location: West Africa

DRILLING RIG INVENTORY, DRILLING: RIG 10

1. **Rig** ZJ 40 Triple 1000 HP.
2. **Draw works** JC 40C Rated HP 1000 mechanical, hydraulic disc brake with Crown-O-Matic.
3. **Power** 3 x Caterpillar D398B engines with high temperature radiators, three National torque converters driving main compound, all furnished with rig saver shut downs and spark arrestor silencers suitable for Zone 1 operation on skids with rain hoods.
4. **Hydromatic Brake** DS40S Eddy current electric magnetic brake 27 500 ft lb.
5. **Drums** 27 in X 56 in drum diameter Lebus grooved for 1 ¼ in line.
6. **Mast** JJ250 / 43 –k 555,000 lb 141 ft high with racking capacity for 12 000 ft of 5 in drill pipe. Mast designed to accept top drive. For derrick climbing 2 x fall arrester safe line devices and two easy riders installed
7. **Substructure** DZ 225/ 25 ft high substructure with height under rotary beams 21 ft. Max rotary load 555 000 lb, set back capacity 320 000 lb with two rig floor tugger winches each rated at 5 tons each. Full drip tray mounted on bell nipple under rotary table for containment of any spillages.
8. **Travelling Block** Ideco 265 ton block/hook combo with 5 x 42 in sheaves.
9. **Drilling line** 5000 ft of 1 ¼ in 6 x 19 EIPS regular line mounted on an electric drill line spooler
10. **Rotary Table** 27 ½ in rotary table with bushings 1, 2 & 3 supplied, rated capacity 300 000 lb, 0-300 RPM.
11. **Swivel** Gardner Denver 300 ton swivel with Varco S6600 hydraulic Kelly spinner, 6 5/8 in LH connection. Max working pressure is 5000 lb/in².
12. **Top Drive Tesco 500 Ton hydraulic Top drive 750 Hp or equivalent**
13. **Kelly** 5 ¼ in Hexagon 40 ft, 6 5/8 in top connection, 4 ½ in bottom connection with 2 ½ in bore.
14. **Mud Pump No. 1** F-1000 triplex pump 1000 HP with 5 in x 6 in belt driven charge pump. Tail driven from compound transmission
15. **Mud Pump No. 2** F-1000 triplex pump 1000 HP with 5 in x 6 in belt driven charge pump. Tail driven from compound transmission
16. **Mud pump No. 3** F-1000 triplex pump 1000 HP with stand alone Caterpillar D-399 diesel driven by National torque converter with 5 in x 6 in charge pump belt driven. Hydril pulsation dampener with pop-off and bleed-off with lines back to tank system.

17. **Rotary Hose** 4 in ID x 62 ft long, 6000 lb/in² W/P with 4 in Fig 602 connections.
18. **Tanks** 22 bbl trip tank stand alone with 2 in x 3 in fill pump. Also a 3 in air pump for back up.
400 bbl water tank with transfer pumps
19. **Rig Generator** Two Caterpillar D-379B diesel engines each with 460 V 500 Kva 50 Hz generators housed in acoustic enclosures.
20. **Mud Systems** Four tanks in total including two active tanks, mixing tank, settling tank. 1250 bbl total capacity with seven agitators, Vac 1000 vertical vacuum degasser and poor boy degasser complete with tank covers.
Three high speed Derrick Super-G linear motion shale shakers
21. **BOP Equipment**
13 _ in 5M annular preventer, H₂S service to API Specification
13 _ in 5M Cameron double gate preventer complete with pipe rams and blind rams. H₂S service to API Specification
13 5/8 in drilling spool with 2 x 3 1/8 in 5000 lb/in² outlets
22. **BOP Accumulator** Koomey 6-station 180 gal unit with two air operated charge pumps.
Electric charge pump
23. **Choke manifold** 3 _ in WKF 5000 lb/in². 9-valve choke manifold with auto choke and manual adjustable choke.
24. **Kill line** Two manual 3 1/8 in x 5000 lb/in² valves
3 1/8 in full hole NRV 5000 lb/in²
25. **Choke Line** 3 1/8 in manual 5000 lb/in² valve
3 1/8 in HCR 5000 lb/in² valve
3 1/8 in Coflex hose 5000 lb/in²
26. **Drill Pipe** 12 000 ft 5 in 19.5 lb/ft G 105 with 5 in XH (4 1/2 in IF) connections
12 joints of 8 in drill collars with 6 _ in Reg connections, 150 lb/ft.
18 joints of 6 1/2 in drill collars 4 1/2 in IF connections, 92 lb/ft.
15 joints of 5 in HWDP with 4 1/2 in IF connections, 50 lb/ft
4 pup joints 5 in with 4 1/2 in IF connections
27. **Bit subs & crossovers** Full crossover and bit sub inventory to suit Contractor's tubulars.
28. **Elevators** To suit Contractors tubulars.
29. **Slips** To suit Contractors tubulars.
30. **Tongs** Type SDD tongs 4 in through 17 in.
31. **Bail Arms** One set of 8 ft 350 ton bail arms
One set of 15 ft 350 ton bail arms
32. **Safety clamps** Varco unit from 3 1/2 in through 8 in.
33. **Spinner** Varco SSW-30 hydraulic drill pipe spinner.

34. **Air source room** 2 x 50 HP LS-12 Sullair electric driven screw compressors including air dryer system and two 600 gal receiver tanks
35. **BA sets** Two 1 hour sets.
- 36 **Fork truck** JCB 535/125 fork truck and pipe grab.
37. **Tool shack** 40 ft office and workshop for mechanic with welding set and cutting tools. Full facility with tools, press and drill
38. **Pump spares room** 20 ft pump spares room with all consumables situated next to pumps
39. **Hosery** 20 ft hosery shack and lifting equipment, full spares for hydraulic hoses and all lifting equipment
40. **Welfare** Shower shack and locker room for crew with washing area
41. **Spares** 40 ft Container with full spare parts inventory.
42. **Offices** Toolpushers office.
43. **Fuel** 14 000 gal banded fuel storage with oil storage.
44. **Casing tong** Model TQ340/35 13 5/8 in casing power tong with jaws from 5 ½ in to 13 3/8 in
45. **Casing Handling Equipment**
Elevators form 5 ½ in to 13 5/8 in
46. **Iron Roughneck** Model ZQ 203/100 80'000 ft lb max rated, from 3½ in drill pipe up 8 in drill collars
- 47 **Survey unit** Matthey type survey unit with 7000 m of 0.092 stainless steel wire line and Sure Shot 0-70 survey instrument.
48. **Water pump** 6 in Sykes diesel driven water pump
49. **Mobile Welder** Lincoln diesel driven 300 A welding set
50. **Flare stack** Vertical mounted flare stack with 200 ft of 4 in flare line

Please Note:

Rig inventory is subject to amendment by substitute items of equivalent size or capacity where equipment is dependent on availability and also if changes are agreed with the Operator during contract negotiations.

Also note the items above that are marked in **RED** are optional items and can be supplied at an additional cost to the rig rate. For clarification the item above is the top drive.