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# R-68

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**Drilling Rig 1500HP  
ZJ 50 DB (Upgraded by DSL)**

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## **RATED DRILLING DEPTH:**

5000 m (16,404 ft) with 5" DP.

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## **SUBSTRUCTURE:**

Height: 9 m (29.5 ft)  
Height under rotary beams: 7.6 m (25 ft)  
Set Back: 234 ton (517,000 lbs) with simultaneously 408 ton (900,000 lbs) rotary table load

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## **MAST:**

Pyramid TC 315 (DSL) 44.8 m (147 ft)  
Capacity: 408 ton (900,000 lbs).

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## **CROWN BLOCK:**

No of sheaves: 6+1  
Grooved: 1 3/8"  
Capacity: 408 ton (900,000 lbs).

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## **TRAVELLING BLOCK & HOOK:**

McKISSICK TB500  
Capacity: 450 ton (1,100,000 lbs)

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## **SWIVEL:**

SL 450  
Capacity: 454 ton (1,000,000 lbs)

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## **TOP DRIVE:**

PTD-500-AC/1M-800  
Capacity: 454 ton (1,000,000 lbs)

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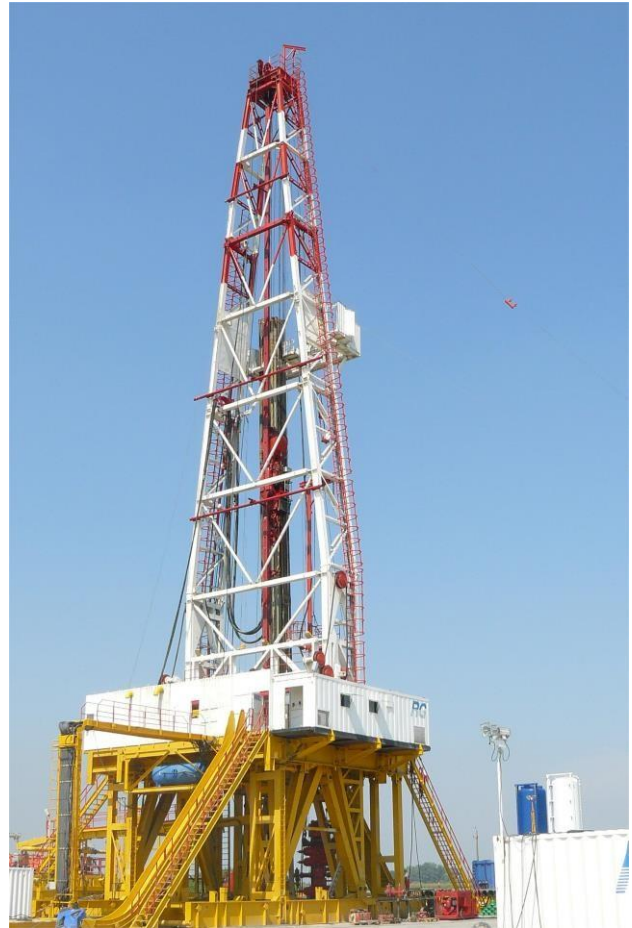
## **DRAWWORKS:**

JC 50 DB (1500 HP) two pcs of YJ23, 816 HP (600 kW) each

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## **ROTARY TABLE:**

ZP 375, 37 1/2"  
Max static load: 585 ton (1,289,704 lbs)



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## **POWER PLANT:**

Diesel Engines: 4 x CAT 3512B  
Generators: 4 x CAT SR4B (4 x 1200 kW)  
Total output power: 4800 kW  
Emergency generator: CAT C15

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## **CONVERSION SYSTEM:**

Tianshui Electric VFD

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## **MUD SYSTEM:**

Mud Pumps: 3 x F1300 triplex, each pump powered by one electric motor YJ 31 type, 1350 HP each.  
Mud Tanks: 3 (Active mud tanks) + 2 (Reserve mud tanks) + Trip Tank + Sand Trap, Total capacity: 400 m3 (2500 bbl)  
Water Tanks: 2, Total capacity: 80 m3 (500 bbl)  
Shale Shaker: 4 x MI-SWACO Mongoose, Capacity: 1000 GPM each  
Mud Cleaner: MI-SWACO Mongoose  
Desander: MI-SWACO, Capacity: 1000 GPM  
Desilter: MI-SWACO, Capacity: 1000 GPM  
Mud/gas separator: Atmospheric  
Degasser: MI-SWACO Vacuum

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## **BOP:**

13 5/8" 5M Annular Preventer.  
13 5/8" 10M U type double ram preventer: 13 5/8" x 10M w/ pipe and blind.  
U type single ram preventer: 13 5/8" x 10M w/ pipe rams.