# DESCRIPTION OF ZJ40 RIG#2

| **Rig Number:** | 2 |
| **Manufacturer:** | SJPetro |
| **Rig Horsepower:** | 1000 HP |
| **Rig Type:** | ZJ40 Truck-Mounted Drilling Rig |
| **Drilling Depth:** | 4000 m (13,120') w/ 4 1/2" OD DP |
| **Max. Capacity:** | 500,000 lbs (2,250 KN) |
| **Drive Motors:** | 2 ea CAT C18 Motor - 630 HP- 470 KW |
| **Disc Brake:** | PSZ65D Hydraulic Disk Brake |
| **Auxillary Brake:** | EATON WCB324 |

## DRAWWORKS

**ZJ40 Truck-Mounted Drilling Rig**
- Nominal HP Input: 1000 HP
- Depth: 4000 m (13,120') w/ 4 1/2" OD DP
- Max. Capacity: 500,000 lbs (2,250 KN)
- Drive Motors: 2 ea CAT C18 Motor - 630 HP- 470 KW
- No. of Drum: Double
- Drilling Line: 1 1/4"

## SUBSTRUCTURE

**ZZT225H**
- Sling-shot
- DF Height: 6.7 m (21.976 FT)
- Free High: 5.6 m (18.386 FT)

## MAST

**JJ225-39**
- Nominal Capacity: 500,000 lbs
- Racking Capacity: 4000m & 13,120' (4 1/2" DP) 3200m & 10,496' (5" DP)
- Hook Load Cap.: 500,000 lbs (2250 kN)
- Max. Height: 39.3m (129')

## SWIVEL

**SL 225**
- Working Load: 500000 LBS
- Bearing Rating: 300 RPM
- Stem Coupling: 6-5/8 reg-LH
- Max Pressure: 5000 psi

## CROWN BLOCK

**TC225**
- Max Load: 2250 KN (500,000 LBS)
- Dia. of drill line: 1-1/4"

## TRAVELING BLOCK

**YG250**
- Working Load: 500,000 lbs

## GENERATORS & COMPRESSOR

- 1 ea CAT C15 Diesel Engine 500 KVA / 400 kW
- 1 ea CAT C13 Diesel Engine 450 KVA / 360 kW

## ATLAS COPCO GA 45

- Power Input: 45 KW

## WELL CONTROL

**FH 35-35**
- 13 5/8" x 5,000 psi Type Shenkai Annular BOP
- 13 5/8" x 5,000 psi Type Shenkai Double Ram BOP

## MUD PUMPS

- 2xRS- F1000
  - Powered by: Jinan Diesel Engine - 190 Series
  - Rated Input Power: 1000 HP

## MUD SYSTEM

- 1xShaker Tank (315bbl)
  - Includes sand trap, settling 1-2-3, Trip Tank
- 1XSuction Tank (396bbl)
- 1XSuction Tank (293bbl) Includes hopper

## CAMP UNITS

- 35 person cap.accomodation units
- 2ea Office units
- Kitchen + Laundry