



# RIG 2TD

## Depth Capacity (TVD): 3600 m Rig Loads w/Topdrive - 22 Summer / 23 Winter

Loads may vary with Tubular requirements

### MAST

Mast Type	Telescopic Double	Drill Line Size (mm)	28.6
Mast Model	RA Hodgson MTS106-9.5-400	Number of Lines	8
Static Hook Load (daN)	178,000		
Mast Clear Height (m)	32.3		

### SUBSTRUCTURE

Substructure Type	One Piece, step-down	Substructure Model	DZ 160 4.5
BOP-Sub Clear Height (m)	3.52	Rotary Table Model	ZP 175
Ground to Rotary Top (m)	4.95	Rotary Table Capacity (daN)	160,000
Setback Capacity (daN)	120,000	Rotary Table Size (mm)	444.5
Racking Capacity (m)*	4,500		

\* Racking Capacity is calculated w/ 101.6mm pipe

### DRAWWORKS (MECHANICAL)

Drawworks Model	JC 30	Drawworks Drive	Cummins QSK15
Single Line Pull (daN)	21,000	Drive Rating (kW)	470
Rated Power (kW)	570	Auxiliary Brake	324 Eaton
Transmission Model	Allison S6610H		

### OVERHEAD EQUIPMENT

Block/Hook Model	YG 160	Block Capacity (daN)	158,000
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### MUDPUMPS (2)

Model	F 1000	Mudpump Drive	Cummins QSK23
Rated Power (kW)	745	Pumpdrive rating (kW)	783
Stroke Length (mm)	254		

\*\*\* 35,000kpA High pressure circulating system

### MUD SYSTEM

Total Volume (m3)	100	# of Mudtanks	2
Active Volume (m3)	92	# of Compartments	7 Useable
Trip Tank Volume (m3)	6.4	Pill Tank Volume (m3)	7.1
Agitators Power (qty)	4x7.5kW	Centrifugal Pump Size (mm)	127x152x279
Centrifugal Pump Quantity	2x37.3kW	Degasser Size (mm)	762
Shale Shaker	2xSwaco Mongoose		

### ACCUMULATOR

Accumulator Manufacture	RG Petro	Operating Pressure (kpA)	21,000
Accumulator Volume (l)	320	# of stations	5

### BOP'S (NACE)

Annular	HEC Spherical	Pressure Rating & Size	21,000kpA, 279mm
Ram #1	Shafco NRS Single	Pressure Rating & Size	21,000kpA, 279mm
Ram #2	Shafco NRS Single	Pressure Rating & Size	21,000kpA, 279mm



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## CHOKE MANIFOLD (NACE)

Type	Single Gut
Size (mm)	76

Pressure Rating & Size	21,000kPa
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## GENERATOR SETS (2)

Manufacture	Stamford
Generator Model (qty)	2
Rating (kW)	400 (each)

Engine Manufacture	Cummins
Engine Model	QSX-15

## MISCELLANEOUS EQUIPMENT

Fuel Tank Capacity (m3)	18
# Fuel Tanks	1
Water Tank Capacity (m3)	65
# Water Tanks	1

Pipetubs	Hydraulic/Conventional
Catwalk	Hydraulic Skate

## TUBULARS

Based on operator's program requirements

## BOILER

Boiler Manufacture	Williams & Davis
Fuel Tank capacity	6m3

Boiler Rating (kW)	93
Water Tank Capacity	20m3

## TOPDRIVE

Manufacture	Warrior
Model	250H14HR
Rated Input Power	700 HP
Makeup Torque	30,000 ft/lbs
Max Speed	170 rpm

Engine Manufacture	Caterpillar
Top Drive Capacity (daN)	225,000
Max Drill Torque	24,000 ft/lbs
Breakout Torque	32,000 ft/lbs