



RIG 5TD

Depth Capacity (TVD):4000 Rig Loads w/ Topdrive – 23 Summer/24 Winter

Loads may vary with Tubular requirements

MAST

Mast Type	Telescopic Double	Drill Line Size (mm)	28.6
Mast Model	MT106-9.5-400G	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	ST14-14.2-400G
BOP-Sub Clear Height (m)	4.30 w/ Pony Sub	Rotary Table Model	Fargo 17RT
Ground to Rotary Top Height	5.25 w/ Pony Sub	Rotary Table Capacity (daN)	160,000
Setback Capacity (daN)	155,700	Rotary Table Size (mm)	444.5
Racking Capacity (m)	5,300		

* Racking Capacity is calculated w/ 101.6mm pipe

DRAWWORKS (MECHANICAL)

Drawworks Model	Rigworks RWD700T	Drawworks Drive	Cummins QSX15
Single Line Pull (daN)	22,700	Drive Rating (kW)	470
Rated Power (kW)	570	Auxiliary Brake	136 WCDB Eaton
Transmission Model	Allison S6610H		

OVERHEAD EQUIPMENT

Block/Hook Model	McKinney 250	Block Capacity (daN)	225,000
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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)	85	# 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 (2)	Swaco Mongoose		

ACCUMULATOR

Accumulator Manufacture	Mustang Control	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	RS Single Blind	Pressure Rating & Size	21,000kpA, 279mm
Ram #2	RS Single Pipe	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)	500 (each)

Engine Manufacture	Cummins
Engine Model	QSX-15

MISCELLANEOUS EQUIPMENT

Fuel Tank Capacity (m3)	18
# Fuel Tanks	1
Water Tank Capacity (m3)	85
# 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	Tesco
Model	HXI 250 Ton
Rated Input Power	700 HP
Makeup Torque	32,000 ft/lbs
Max Speed	200 rpm

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