



RIG 9TD

Depth Capacity (TVD): 5000 Rig Loads w/ Topdrive - 26 Summer/27 Winter

Loads may vary with Tubular requirements

MAST

| | | | |
|------------------------|-------------------|----------------------|------|
| Mast Type | Telescopic Double | Drill Line Size (mm) | 28.6 |
| Mast Model | MT106-9.5-500G | Number of Lines | 10 |
| Static Hook Load (daN) | 222,400 | | |
| Mast Clear Height (m) | 32.3 | | |

SUBSTRUCTURE

| | | | |
|-----------------------------|----------------------|-----------------------------|----------------|
| Substructure Type | One Piece, step-down | Substructure Model | ST14-14.2-500I |
| BOP-Sub Clear Height (m) | 4.75 w/ Pony Sub | Rotary Table Model | Fargo 27RT |
| Ground to Rotary Top Height | 5.75 w/ Pony Sub | Rotary Table Capacity (daN) | 200,000 |
| Setback Capacity (daN) | 178,000 | Rotary Table Size (mm) | 698 |
| Racking Capacity (m) | 6,000 | | |

* Racking Capacity is calculated w/ 101.6mm pipe

DRAWWORKS (MECHANICAL)

| | | | |
|------------------------|------------------|-------------------|----------------|
| Drawworks Model | Rigworks RWD800T | Drawworks Drive | Cummins QSK19 |
| Single Line Pull (daN) | 22,700 | Drive Rating (kW) | 597 |
| Rated Power (kW) | 597 | Auxiliary Brake | 136 WCDB Eaton |
| Transmission Model | Allison S6620H | | |

OVERHEAD EQUIPMENT

| | | | |
|------------------|-----------------|----------------------|---------|
| Block/Hook Model | McKinney 250Ton | Block Capacity (daN) | 225,000 |
|------------------|-----------------|----------------------|---------|

MUDPUMPS (2)

| | | | |
|--------------------|---------|-----------------------|---------------|
| Model | WF 1300 | Mudpump Drive | Cummins QST30 |
| Rated Power (kW) | 970 | Pumpdrive rating (kW) | 1007 |
| Stroke Length (mm) | 279 | | |

*** 35,000kpA High pressure circulating system

MUD SYSTEM

| | | | |
|---------------------------|----------------|----------------------------|-------------|
| Total Volume (m3) | 130 | # of Mudtanks | 2 |
| Active Volume (m3) | 115 | # 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) | 2x 914 |
| Shale Shaker (2) | Swaco Mongoose | | |

ACCUMULATOR

| | | | |
|-------------------------|--------------|--------------------------|--------|
| Accumulator Manufacture | Control Tech | Operating Pressure (kpA) | 21,000 |
| Accumulator Volume (l) | 460 | # of stations | 6 |

BOP'S (NACE)

| | | | |
|---------|------------------|------------------------|------------------|
| Annular | HEC Shaffer | Pressure Rating & Size | 34,500kpA, 279mm |
| Ram #1 | HEC Single Blind | Pressure Rating & Size | 34,500kpA, 279mm |
| Ram #2 | HEC Single Pipe | Pressure Rating & Size | 34,500kpA, 279mm |



RIG 9TD

REMOTE CHOKE MANIFOLD (NACE)

| | |
|-----------|------------|
| Type | Double Gut |
| Size (mm) | 76 |

| | |
|------------------------|-----------|
| Pressure Rating & Size | 34,500kPa |
|------------------------|-----------|

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) | 23 |
| # Fuel Tanks | 1 |
| Water Tank Capacity (m3) | 85 |
| # Water Tanks | 1 |

| | |
|----------------|------------------------|
| Pipetubs | Hydraulic/Conventional |
| Catwalk | Hydraulic Skate |
| Iron Roughneck | Warrior TW88 |
| Auto Slips | Varco PS15 |

TUBULARS

Based on operator's program requirements

BOILER

| | |
|--------------------|--------|
| Boiler Manufacture | Arctic |
| Fuel Tank capacity | 10m3 |

| | |
|---------------------|------|
| 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 | 200 rpm |

| | |
|--------------------------|---------------|
| Engine Manufacture | Caterpillar |
| Top Drive Capacity (daN) | 225,000 |
| Max Drill Torque | 26,000 ft/lbs |
| Breakout Torque | 32,000 ft/lbs |