



RIG 110

Depth Capacity (TVD):12,000 ft Rig Loads- 35 loads

Loads may vary with Tubular requirements

MAST

Mast Type	Cantilever Triple	Drill Line Size	1 1/8"
Mast Model	Pyramid	Number of Lines	10
Static Hook Load (lbs)	470,000	Mast Clear Height (ft)	141

SUBSTRUCTURE

Substructure Type	Pyramid	Substructure Model	Box on Box
BOP-Sub Clear Height (ft)	19	Rotary Table Model	National C205
Ground to KB Height (ft)	21.5	Rotary Table Capacity (lbs)	500,000
Setback Capacity (lbs)	350,000	Rotary Table Size	20.5"
Racking Capacity (ft)*	16,000	Skidding Capable	112'

* Racking Capacity is calculated w/ 4.5" slim hole pipe

** Substructure on Skid rails and 6" mats

Controls

Controls Type	SCR-DC	SCR Bays	4
Controls MFG.	Omron	Engine Bays	4

Engine/Generator Package (Qty. 3)

Engine MFG	Caterpillar	Engine Horsepower	1372
Engine Model	C-32	Engine Tier Rating	2
Generator MFG	Caterpillar	Generator (KW)	910
Generator model	SR4B		

DRAWWORKS (ELECTRIC MECHANICAL-DC)

Drawworks Model	National 610-UE	Drawworks Drive	1 X 752 DC Motors
Single Line Pull (lbs)	40,500	Drive Rating (HP)	1000
Rated Power (HP)	800 HP	Auxiliary Brake	236WCBD Eaton
Transmission Model	National 3 Speed		

OVERHEAD EQUIPMENT

Block/Hook Model	McKinney 250 (Becket)	Block Capacity (lbs)	500,000
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MUDPUMPS (2)

Model	F-1600	Mud pump Drive	2 X 752 DC Motors
Rated Power (HP)	1600 (hp)	Pump drive rating (HP)	2000
Stroke Length	12"	*** 5000 psi High pressure circulating system	

MUD SYSTEM

Total Volume (bbl)	750	# of Mudtanks	2
Active Volume (bbl)	735	# of Compartments	6 Useable
Trip Tank Volume (bbl)	*Contact Marketing	Pill Tank Volume (bbl)	75
Agitators Power (qty)	5x (10 HP)	Centrifugal Pump Sizes	Four - 5 x 6 x 11
Shale Shaker	2x Swaco Mongoose	Gas Buster	48" X 18'



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ACCUMULATOR

Accumulator Manufacture	Koomey	Operating Pressure (psi)	3000
Accumulator Volume (Gal)	120	# of stations	5

BOP'S

Based on operator's program requirements

CHOKE MANIFOLD

Pressure Rating & Size	5000psi x 3"
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MISCELLANEOUS EQUIPMENT

Fuel Tank Capacity (Gal)	13,500	Pipetubs	Conventional
# Fuel Tanks	1	Catwalk	Conventional
Water Tank Capacity (bbl)	500		
# Water Tanks	1		

TUBULARS

Based on operator's program requirements

BOILER

Boiler Manufacture	York-Shipley	Boiler Rating (kW)	93 (125 HP)
		Water Tank Capacity (bbl)	150

TOPDRIVE

Manufacture	Canrig	Top Drive Capacity (lbs)	550,000
Model	6027AC	Max Drill Torque	30,000 ft/lbs
Rated Input Power	600 HP	Breakout Torque	60,000 ft/lbs
Makeup Torque	35,000 ft/lbs		
Max Speed	225 rpm		