



# RIG 114

## Depth Capacity (TVD):19,500 ft Rig Loads- 60 loads

Loads may vary with Tubular requirements

### MAST

Mast Type	Cantilever Triple	Drill Line Size	1 1/4"
Mast Model	Dreco	Number of Lines	12
Static Hook Load (lbs)	660,000	Mast Clear Height (ft)	136

### SUBSTRUCTURE

Substructure Type	IDM	Substructure Model	Box on Box
BOP-Sub Clear Height (ft)	18-7"	Rotary Table Model	American Block
Ground to KB Height (ft)	23'-6"	Rotary Table Capacity (lbs)	660,000
Setback Capacity (lbs)	350,000	Rotary Table Size	27.5"
Racking Capacity (ft)*	20,000	Skidding Capability	100'

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

\*\* Substructure on Skid rails and 6" mats

### Controls

Controls Type	VFD-AC	VFD Bays	4
Controls MFG.	IDM	Engine Bays	4

### Engine/Generator Package (Qty. 3)

Engine MFG	Cummins	Engine Horsepower	1480
Engine Model	QSK-50	Engine Tier Rating	2
Generator MFG	AVK	Generator (KW)	1225
Generator model	DSG		

### DRAWWORKS (ELECTRIC MECHANICAL-DC)

Drawworks Model	IDM Mac 1200	Drawworks Drive	1 X 1250 AC Motors
Single Line Pull (lbs)	55,000	Drive Rating (HP)	1250HP
Rated Power (HP)	1200HP	Auxiliary Brake	Johnson Brake
Transmission Model	Single Speed		

### OVERHEAD EQUIPMENT

Block Model	American Block (Becket)	Block Capacity (lbs)	700,000
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### MUDPUMPS (2)

Model	F-1300	Mud pump Drive	1 X 1500hp AC Motor
Rated Power (HP)	1300 (hp)	Pump drive rating (HP)	1300
Stroke Length	12"	<b>*** 5000 psi High pressure circulating system</b>	

### MUD SYSTEM

Total Volume (bbl)	1000	# of Mudtanks	2
Active Volume (bbl)	975	# of Compartments	9 Useable
Trip Tank Volume (bbl)	*Contact Marketing	Pill Tank Volume (bbl)	1 X 90
Agitators Power (qty)	5 x (10 HP)	Centrifugal Pump Sizes	Four - 5 x 6 x 11
Shale Shaker	2 x Kosun	Gas Buster	48" X 12'



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## ACCUMULATOR

Accumulator Manufacture	Schaffer	Operating Pressure (psi)	3000
Accumulator Volume (Gal)	220	# of stations	6

## BOP'S

Based on operator's program requirements

## CHOKE MANIFOLD

Pressure Rating & Size	10000psi x 3"
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## MISCELLANEOUS EQUIPMENT

Fuel Tank Capacity (Gal)	16,800	Pipetubs	Conventional
# Fuel Tanks	1	Catwalk	Conventional
Water Tank Capacity (bbl)	500	Iron Roughneck	ST-80
# Water Tanks	1		

## TUBULARS

Based on operator's program requirements

## BOILER

Boiler Manufacture	Williams & Davis	Boiler Rating (hp)	(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		