



RIG 120

Depth Capacity (TVD): 25,000 ft w/ 5" DP Rig Loads- 69 loads

Loads may vary with Tubular requirements

MAST

Mast Type	Cantilever Triple	Drill Line Size	1 3/8"
Mast Model	IDM	Number of Lines	12
Static Hook Load (lbs)	850,000	Mast Clear Height (ft)	142

SUBSTRUCTURE

Substructure Type	IDM/Columbia	Substructure Model	Box on Box
BOP-Sub Clear Height (ft)	24'-2"	Rotary Table Model	American Block
Ground to KB Height (ft)	29'	Rotary Table Capacity (lbs)	850,000
Setback Capacity (lbs)	650,000	Rotary Table Size	27.5"
Racking Capacity (ft)*	27,000	Walking Capability (ft)	200' X/Y

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

Controls

Controls Type	VFD-AC	VFD Bays	4
Controls MFG.	Current Power	Engine Bays	4

Engine/Generator Package (Qty. 4)

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- AC)

Drawworks Model	PREP-DMI 1800A	Drawworks Drive	1 X Joilet 1800AC
Single Line Pull (lbs)	79,914	Drive Rating (HP)	1800HP
Rated Power (HP)	1800HP	Auxiliary Brake	Wichita 436
Transmission Model	3 Speed		

OVERHEAD EQUIPMENT

Block Model	Hi-Quality Machine	Block Capacity (lbs)	1,000,000
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MUD PUMPS (3)

Model	F-1600	Mud pump Drive	1 X 1600 AC Motor
Rated Power (HP)	1600 (hp)	Pump drive rating (HP)	1600
Stroke Length	12"	*** 7500 psi High pressure circulating system	

MUD SYSTEM

Total Volume (bbl)	1200	# of Mud tanks	3
Active Volume (bbl)	1107	# of Compartments	8 Useable
Trip Tank Volume (bbl)	*Contact Marketing	Pill Tank Volume (bbl)	1 X 90
Agitators Power (qty)	5 x (10 HP)	Centrifugal Pump Sizes	Five - 5 x 6 x 11
Shale Shaker	2 x Mi-Swaco MD2	Gas Buster	48" X 18'



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ACCUMULATOR

Accumulator Manufacture	CPC	Operating Pressure (psi)	3000
Accumulator Volume (Gal)	240	# of stations	6

BOP'S

Based on operator's program requirements

CHOKE MANIFOLD

Pressure Rating & Size	10000psi x 4"
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MISCELLANEOUS EQUIPMENT

Fuel Tank Capacity (Gal)	20,000	Pipe tubs	Conventional
# Fuel Tanks	1	Catwalk	Canrig 3000
Water Tank Capacity (bbl)	500	Iron Roughneck	ST-80
# Water Tanks	1		

TUBULARS

Based on operator's program requirements

BOILER

Boiler Manufacture	York-Shipley	Boiler Rating (hp)	(150 HP)
		Water Tank Capacity (bbl)	150

TOPDRIVE

Manufacture	Canrig	Top Drive Capacity (lbs)	1,000,000
Model	1250AC	Max Drill Torque	51,400 ft/lbs
Rated Input Power	1150 HP	Breakout Torque	95,000 ft/lbs
Makeup Torque	71,000 ft/lbs		
Max Speed	265 rpm		