

Rig 120

Hoisting and Rotating

Drawworks	ZDPE JC-50D (1,500 hp) powered by 2-Yonge YZ08 traction motors
Auxiliary Brake	Eaton 336 WCB
Rotary Table	Lanzhou ZP-275 with a 27-1/2" opening
Traveling Block	Lanzhou YC-315 (350 ton)
Top Drive	TESCO ECI 900 / 500 Ton
Rotating Mousehole	Access Oil Tools Phantom

Power Package

Generators	3-Kato 1,204 kW powered by CAT-3512C
Control House	Omron 4 - SCR 3 -Gen

Well Control

Annular
Double Ram
Single Ram
Accumulator
Choke Manifold

Mud System

Mud Pump 1	HongHua HHF-1600 (1,600 hp) powered by 2-Yonge YZ08 traction motors
Mud Pump 2	HongHua HHF-1600 (1,600 hp) powered by 2-Yonge YZ08 traction motors
Mud Line	5" Line, 7,500 psi system
Mud Pits	3-pit system (1,270 bbl) with 11 agitators 120 bbl premix pit built into suction
Shale Shakers	2-Derrick FLC-504
Degasser	Brandt Atmospheric
Separator	5' x 16'
Trip Tank	140 barrels

Structural

Mast	ZDPE 142' 700,000 pounds static hookload on 12 lines
Substructure	ZDPE box on box 26' floor height

Fluid Storage

Diesel Tank	1-tank 18,800 gallon total capacity
Water Tank	2-tank 1,200 bbl total capacity

Tubulars

Drill Pipe	n/a
Drill Collars	

Miscellaneous

Rig Moving System	Woolslayer Walking System (800 ton)
BOP Handling System	
Pipe Spinner	Gray Mark 10
Air Compressor	2-Sullivan 50 DG 50hp
Survey Instrument	Fivestar 7° wireline unit
Automated Catwalk	Unit Hydraulic Catwalk