



HOISTING, ROTATING & PIPE-HANDLING EQUIPMENT

Drawworks	Alta ARS-1513 rated @ 1500 hp / 800k# hoisting capacity driven by (1) AmeriMex AMD1500 AC drilling motor rated @ 1500 hp
Rotary Table	Rig Componets RC-275 (27-1/2") independent hydraulic drive
Traveling Block	Veristic Technologies VT400-652 (400 ton)
Top Drive	Varco TDS-11SA (500 ton) rated @ 800 hp
Iron Roughneck	Varco ST-80C
Hydraulic Slips	NOV PSF-01 Power Slip Frame
Hydraulic Catheads	NOV HC-26EV
Hydraulic Catwalk	NOV PipeCat PC-5-47
Pipe Handling	NOV STV-10 Hydraulic Pipe-Racking System

MAST & SUBSTRUCTURE

Mast Design	Veristic Technologies Rocket-D
Height	144'
Load Rating	800k# Static Hook Load (12 lines)
Racking Capacity	21,000'+ 5" DP / 930' 8" DC
Substructure Design	Veristic Technologies Rocket-D
Floor Height	23'
Clear Height	20'
Load Ratings	800k# Casing / 600k# Setback

TRANSPORT

Estimated Loads	48 (less tubulars)
------------------------	--------------------

DRILLING CONTROL SYSTEM

Driller's Cabin	Omron climate-controlled and pressurized cabin with fully-integrated electronic controls and instrumentation
Drilling System	Omron Precise control system w/ ergonomic driller's workstation

POWER PACKAGE

Engines	(4) Cat 3512C rated @ 1476 hp
Bi-Fuel	Optional
Generators	(4) Kato 6P6-3150 rated @ 1204 kW / 1720 kVA / 0.7 pf
VFD System	Omron w/ (4) generator bays, (5) inverter bays, and (11) sections Allen-Bradley MCC

BOP EQUIPMENT

Annular	Cameron 13-5/8" 5M T90
Single Ram	Cameron 13-5/8" 10M Type U
Double Ram	Cameron 13-5/8" 10M Type U
Accumulator	Cameron 7-station / 220 gallon
Choke Manifold	Cameron 4-1/16" 10M
Mud/Gas Separator	Ledet 4'OD x 20'L
BOP Handler	Veristic Technologies BHT-G6
BOP Winches	(2) JD Neuhaus EH-20 (20 ton)

MUD SYSTEM

Mud Pumps	(3) HongHua HHF-1600 triplex rated @ 1600 hp / 7500-psi, each driven by (2) AmeriMex AMD800/1150 AC motors rated @ 800/1150 hp
Charging Pumps	(2) 6x5x14 @ 50 hp / 1200 rpm
Process Pit	(640 bbl) five-compartment w/ (3) 10 hp mud agitators
Suction Pit	(620 bbl) four-compartment w/ (5) 10 hp mud agitators
Auxiliary Premix Pit	N/A
Trip Tank	(128 bbl) one-compartment w/ (1) 10 hp mud agitator
Trip Tank Pump	4x3x13 @ 30 hp / 1200 rpm
Shale Shakers	(3) Derrick Hyperpool linear-motion
Degasser	NOV D-1000-C vacuum style
Desander	NOV 3-cone / 10"
Desander Pump	8x6x14 @ 100 hp / 1200 rpm
Desilter	NOV 20-cone / 4"
Desilter Pump	8x6x14 @ 100 hp / 1200 rpm
Mud Mixing Pumps	(2) 8x6x14 @ 100 hp / 1200 rpm

STORAGE CAPACITIES

Drilling Water	1,000 bbl
Diesel	21,000 gallons

TUBULARS

Drill Pipe	5" 19.50# G-105 5" 19.50# S-135 5" HWDP
Drill Collars	As needed for normal drilling ops

PAD DRILLING (OPTIONAL EQUIPMENT)

Rig Walking System	Veristic Technologies Rig Walker rated @ 2.4MM lbs lift and X-Y-Z axis walking capability with full setback load
Pad Capability	(2) rows of (7) wells on 10' spacing (2) rows of (4) wells on 20' spacing