



## HOISTING, ROTATING & PIPE-HANDLING EQUIPMENT

<b>Drawworks</b>	Mid-Continent U-1220-EB rated @ 2500 hp driven by (3) GE 752 DC traction motors rated @ 1000 hp
<b>Auxiliary Brake</b>	Baylor 7838 eddy current brake
<b>Rotary Table</b>	Ideco LR-375 (37-1/2") chain-driven by drawworks
<b>Traveling Block</b>	Continental Emsco RA-60-6 (650 Ton)
<b>Hook</b>	N/A
<b>Top Drive</b>	Varco TDS-11SAE (500 ton) rated @ 1200 hp / 58,800 ft-lbs
<b>Iron Roughneck</b>	Varco ST-80
<b>Hydraulic Catwalk</b>	NOV PipeCat PC-5-47

## MAST & SUBSTRUCTURE

<b>Mast Design</b>	Dreco Cantilever
<b>Height</b>	147'
<b>Load Rating</b>	1.3MM Static Hook Load (14 Lines)
<b>Racking Capacity</b>	29,000' (5.5" DP)
<b>Substructure Design</b>	Dreco RFS Self-Elevating
<b>Floor Height</b>	30'
<b>Clear Height</b>	26'
<b>Load Ratings</b>	1.3MM Casing / 800k Setback

## TRANSPORT

<b>Estimated Loads</b>	42 (less tubulars)
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## POWER PACKAGE

<b>Engines</b>	(3) Cat 3512B rated @ 1476 hp
<b>Bi-Fuel</b>	N/A
<b>Generators</b>	(3) Kato 6P6-3150 rated @ 1204 kW / 1720 kVA / 0.7 pf
<b>SCR System</b>	Ross Hill w/ (3) generator bays, (4) SCR bays and (10) sections GE MCC

## BOP EQUIPMENT

<b>Annular</b>	Shaffer 13-5/8" 5M Spherical
<b>Single Ram</b>	T-3 Energy 13-5/8" 10M 6012
<b>Double Ram</b>	T-3 Energy 13-5/8" 10M 6012
<b>Accumulator</b>	Cameron 7-station / 220 gallon
<b>Choke Manifold</b>	Cameron 4-1/16" 10M
<b>Mud/Gas Separator</b>	Summit 4'OD x 20'L
<b>BOP Handler</b>	Veristic Technologies BHT-G6
<b>BOP Winches</b>	(2) JD Neuhaus Profi-20T (20 ton)

## STORAGE CAPACITIES

<b>Drilling Water</b>	1,000 bbl
<b>Diesel</b>	21,000 gallons

## MUD SYSTEM

<b>Mud Pumps</b>	(3) Lewco WH-1612 triplex rated @ 1600 hp / 7500 psi, each driven by (2) GE 752 DC motors rated @ 1000 hp
<b>Charging Pumps</b>	(2) 6x5x14 @ 60 hp / 1200 rpm (1) 6x5x14 @ 50 hp / 1200 rpm
<b>Process Pit</b>	(640 bbl) five-compartment w/ (3) 10 hp mud agitators
<b>Suction Pit</b>	(620 bbl) four-compartment w/ (5) 10 hp mud agitators
<b>Auxiliary Premix Pit</b>	N/A
<b>Trip Tank</b>	(128 bbl) one-compartment w/ (1) 10 hp mud agitator
<b>Trip Tank Pump</b>	4x3x13 @ 30 hp / 1200 rpm
<b>Shale Shakers</b>	(3) Derrick Hyperpool linear-motion
<b>Degasser</b>	NOV D-1000-C vacuum style
<b>Desander</b>	NOV 3-cone / 10"
<b>Desander Pump</b>	8x6x14 @ 100 hp / 1200 rpm
<b>Desilter</b>	NOV 20-cone / 4"
<b>Desilter Pump</b>	8x6x14 @ 100 hp / 1200 rpm
<b>Mud Mixing Pumps</b>	(2) 8x6x14 @ 100 hp / 1200 rpm

## TUBULARS

<b>Drill Pipe</b>	5" 19.50# S-135 5" HWDP
<b>Drill Collars</b>	As needed for normal drilling ops

## PAD DRILLING (OPTIONAL EQUIPMENT)

<b>Rig Walking System</b>	Veristic Technologies Rig Walker rated @ 2.4MM lbs lift and X-Y-Z axis walking capability with full setback load
<b>Pad Capability</b>	(1) row of (15) wells on 10' spacing (1) row of (8) wells on 20' spacing (1) row of (5) wells on 30' spacing