

Quicksilver[®] Drilling System



Quicksilver® “Highboy” Drilling System



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The Quicksilver® Highboy is a fit-for-purpose 1600 HP, 750,000 lbs static hook load, Hydraulically raised triples mast with a 26-foot substructure designed for a larger BOP if required.

Quick and Manageable Rig Moves

The innovative design of the Quicksilver® Highboy Rig arrangement and structural / electrical elements are designed to facilitate speed of Rig-Up/Rig-Down.

- Rig-down / Rig up on a new location (within 100 miles) in less than 48 hours.



QDSH Weight / Load Breakdown

ITEM	COMPONENT DESCRIPTION	WEIGHT LBS.	LENGTH	WIDTH	HEIGHT
QDSH-1600 LOAD SIZES					
ITEM #	COMPONENT DESCRIPTION	EST. WEIGHT	LENGTH	WIDTH	HEIGHT
1	Rotary Substructure	100,000	40'	11' 11 1/2"	10' 6"
2	Setback Substructure	59,000	40'	9' 4"	10' 6"
3	Mast w/ Spooler and Dolly	125,000	62'	13' 7"	11' 5"
4	Drillers Cabin and Skid	57,000	54' 9"	12'	13' 6"
5	Mudboat w/ Deadman and AC Drawworks	75,000	51'	13' 8"	8' 10"
6	Trip Tank w/ Poor Boy and Choke Manifold	50,000	40'	10' 6"	11' 6"
7	HPU Skid	55,000	40'	10'	9'
8	Mud Pump #1	85,000	32' 6"	12'	11' 3"
9	Mud Pump #2	85,000	32' 6"	12'	11' 3"
10	VFD House	70,000	50'	11' 8"	11' 6"
11	Tool House	55,000	31'	10'	10' 10"
12	Engine Skid #1 w/ Cat 3512	55,000	40'	10'	12'
13	Engine Skid #2 w/ Cat 3512	55,000	40'	10'	12'
14	Engine Skid #3 w/ Cat 3512	55,000	40'	10'	12'
15	Equipment Skid	46,000	50'	11' 8"	12' 6"
16	Suction Tank	80,000	50'	10' 6"	11' 6"
17	Intermediate Tank	80,000	50'	10' 6"	11' 6"
18	Fuel Tank	30,000	47' 9"	9' 7"	11' 3"
19	Water Tank	30,000	47' 9"	9' 7"	11' 3"
20	Hopper Skid	15,000	12'	7' 10"	9' 4"
21	18" Catwalk	16,000	52'	5'	5'
22	18" Pipe Rack	2,200	28'	20"	18"

Quicksilver® “Highboy” Safety Features

QDSH = Improved Safety:

- All pin connections, rig systems and rig arrangements are designed for safe installation at ground level.
- The mast and substructure are self-elevating with hydraulic cylinders.
- No cranes are required for rig-up.



Quicksilver® “Highboy” Safety Features



QDSH = Improved Safety:

- Open floor space
- A Hawk Jaw iron roughneck is set on the off driller side of the drill floor. This placement allows better driller's visibility and opens the working area of the balance of the drill floor while providing safer operating space for the rig crew.



AC Technology Advantages



AC Technology means:

- 90% fewer mechanical parts than conventional DC systems
- Less maintenance due to dramatic reduction of mechanical parts
- 22% improved fuel efficiency over DC systems
- Climate-controlled Driller's Cabin with touch screen controls and electronic driller to improve drilling performance (Increased control of WOB, ROP and RTT)
- No chains, sprockets, clutches or water-cooled brakes on drawworks
- Improved control and monitoring of the entire drilling process.

Quicksilver® “Highboy” Specifications

Description	QDSL-1000
Drive Capacity (hp)	1600
Drill Line Diameter (in.)	1 3/8
GES Electric Driller	Yes
Hookload Capacity (tons/lines)	375/12
Mast Height (ft.)	136
Mast Base (ft.)	13 x 9
Mast Elevation Process (ft.)	Hyd Raised
Racking Capacity	19,500 ft. / 5 in. DP 4 stds. / 6.5 in. DC
System	Quick move/ self elevating
Rotary Table (in.)	27.5*
Casing Load (tons)	
Setback Load (tons)	252
Clear Height (ft.)	22.5
Drill Floor Height (ft.)	26
Drill Floor Dimensions (ft.)	40 x 21.5
Skid Length in Single Axis – (Optional)	N/A
Top Drive System	Can Rig
Iron Roughneck System	Hawk Jaw Jr. (T-Rex)
BOP Handling System	Optional

Note: Specifications are subject to change without notice. Request specific engineering drawings for latest specifications.



Quicksilver® Animation



QDS_animation.wmv

Global Energy Services

Corporate Philosophy

Global Energy Services provides best in class products and services to the world-wide energy industry. By committing to the concept of “Innovation in Motion,” the company has become a market leader in the design and manufacture of highly mobile land drilling rigs with fully integrated AC power and control systems.

Focus

Global Energy Services can provide the following solutions:

- Land Rig Packages ranging from 1000 to 2500 Horse Power available in four different model types:
 - Quick Silver
 - Frontier
 - Pioneer
 - Ultra
- Rig Skidding Systems - in both linear and Bidirectional types
- Rig Walking Systems
- Individual Rig Components: Mast and Substructures, Drawworks, Rotary tables, Mud Pumps, Traveling Equipment, Mud Systems, AC or DC Drives and Control Systems, Well Control Equipment, and many other drilling equipment and systems.
- Modifications and Upgrades to Existing Rigs
- Field Service Capabilities

