

SPENCER HARRIS

A DIVISION OF FEMCO HOLDINGS LLC



MOBILE DRILLING RIG WITH 700 HP DRAWWORKS

TOUGH, COMPACT, AND DURABLE



Serving the Drilling Industry for Over 75 Years

SPENCER HARRIS HISTORY

Spencer Harris Began in 1934 as a Job Shop Serving the East Texas Oil Fields. The Company Evolved into a Manufacturer of Trailer-Mounted Drilling Rigs, Compact Drawworks and a Repair Center for Drilling Components.

In 2008, Femco Holdings LLC Purchased Spencer Harris With the Main Goal of Developing this Company into a World Class Manufacturer of Innovative Drilling and Support Equipment and a Supplier of Quality Equipment Repair Services.

FACILITIES AND CAPABILITIES



Spencer Harris LLC Operates a 60,000 square foot Facility in the Heart of East Texas Oilfields in Gladewater, Texas. Spencer Harris Operates a Modern Complex of Machining and Repair Facilities.



The Drilling Equipment Service Center Offers Drawworks Rebuilds, Triplex Pump Rebuilds, Swivel Repairs, Rotary Table Rebuilds, and Iron Roughneck Rebuilds.

The Main Machining Center has an Efficient Blend of Machining Equipment to Repair and Manufacture Quality Parts and Components.



New Equipment, such as Spencer Harris Portable Rigs and Drawworks, are Manufactured in a Clean and Well-Equipped Manufacturing Area.



The Spencer Harris No-Nonsense Design Considers Proven Technology and the Driller's Needs. Each Mobile Portable Rig and Drawworks can be Custom Made for Special Equipment Requirements, Space and Weight Limitations.

SPENCER HARRIS MOBILE DRILLING RIG



Spencer Harris has been Designing and Manufacturing Drilling Rigs Since 1950. Many of these Units are Still in Use Providing Reliable and Dependable Service.



The Spencer Harris No-Nonsense Design is Manufactured by Experienced Oil and Gas Professionals who Know what it Takes to Set up a Rig, Drill, and Move the Rig to the Next Location as Quickly as Possible.



The Portable Rig Manufactured by Spencer Harris Incorporates the Highly Dependable Spencer Harris Drawworks mounted on a trailer which Operates Within Most States Weight and Width Limitation.

The Spencer Harris Mobile Drilling Rig Offers Large Capacity in a Small Package with Minimal Amount of Carry Lines and an Extremely Fast Rig Up and Down Time.

Special Configuration can be Supplied as per your Specifications.

SPENCER HARRIS MOBILE DRILLING RIG SPECIFICATIONS

100' TELESCOPIC MAST

- HYDRAULIC RAISED
- MECHANICAL TELESCOPING
- 300,000 LB STATIC HOOK LOAD RATING
- FOLDING RACKING BOARD WITH HANDRAIL
RACKING CAPACITY – 8000 FT (4 ½" OD DRILL PIPE)
PLUS DRILL COLLARS
- 5 SHEAVE CROSS-OVER TYPE CROWN BLOCK
WITH 4 – 30" & 1 – 36" ROLLER BEARING SHEAVES
GROOVED FOR 1 ⅛" DIAMETER DRILL LINE

10' WIDE x 32' LONG GOOSENECK TRAILER

- WITH 3 AXLE – 90,000 LB SUSPENSION
- WITH FULL LENGTH WALKWAYS WITH HANDRAILS
- DEADLINE ANCHOR
- STAIRS – ONE SET

ROTARY SUBSTRUCTURE SECTION

- 8' WIDE x 30' LONG x 11'-6" HIGH
- 9'-3" CLEAR HEIGHT UNDER ROTARY BEAMS
- 375,000 LB STATIC ROTARY LOAD CAPACITY
- HANDRAILS
- STAIRS – ONE SET

PIPE SETBACK SUBSTRUCTURE SECTION

- 8' WIDE x 30' LONG x 11'-6" HIGH
- 250,000 LB STATIC SETBACK LOAD CAPACITY
- HANDRAILS
- STAIRS – ONE SET

SIMULTANEOUS STATIC SUBSTRUCTURE CAPACITY 550,000 LBS

TRAILER RAMP

- 8' WIDE x 30' LONG x 5'-2" HIGH
- WITH FOLDING STABILIZER JACKSCREWS
- WITH 8' WIDE x 18' LONG x 2'-9" REMOVABLE PONY RAMP

SPENCER-HARRIS MODEL 7000 DRAWWORKS

For Use With the Spencer Harris Portable Drilling Rig

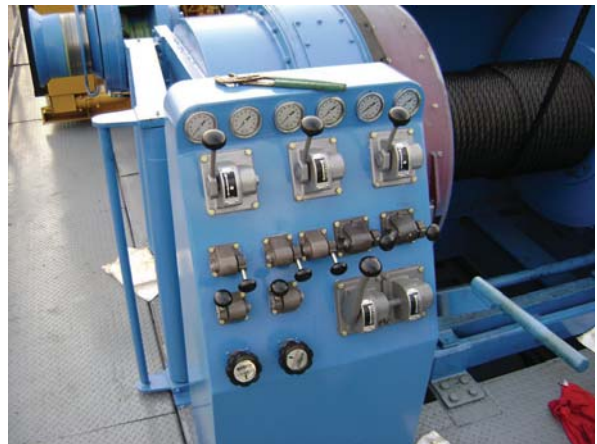
Spencer Harris is a Leading Manufacturer of Innovative and Dependable Drawworks.

The 700 HP Compact Drawworks is Specifically Designed to Provide a Powerful Drawworks in a Small Package. The 700 HP Drawworks is Built to a Proven Mechanical Design With the Driller's Needs In Mind.

Every Drawworks is Carefully Crafted at our Gladewater Facility. All Components, Such as the Bed Frame, are Designed and Manufactured to Provide Years of Dependable Services.

All Components are Assembled and Buy Out Components, Such as Engine Packages, are Selected as to Customer Preference and Dependability. The Final Drawworks is Tested, Painted, and Commissioned to Provide Maximum Uptime.

Industry Standard Controls Allow Your Driller to Safely Control All Aspects of the Drilling Operation and Provide Your Mechanics with a Simple No-Nonsense System to Maintain.



SPENCER-HARRIS MODEL 7000 DRAWWORKS

For Use With the Spencer Harris Portable Drilling Rig

SPECIFICATIONS

RATED INPUT HORSEPOWER	700
DRUM SIZE	14" X 39"
LeBUS GROOVING	1.125" DRILL LINE
AUXILIARY BRAKE	EATON 224 WCBD
DRUM CLUTCH - LOW	EATON 32CB525
HIGH	EATON 22CB500
ROTARY DRIVE CLUTCH	EATON 15CB500
ENGINE COMPOUND W/ TORQUE CONVERTERS	2 @ 350HP EA.
ENGINE CLUTCHES	16CB500
CATHEADS (OPTIONAL)	TORQ-TITE 16" or FLO-DRAULIC
MAX DRUM SPEEDS	
LOW (ENGINE @ 1260 RPM w/ TC)	140 RPM
HIGH (ENGINE @ 1800 RPM w/o TC)	544 RPM
ROTARY COUNTERSHAFT SPEEDS	
LOW (ENGINE @ 1260 RPM)	163 RPM
HIGH (ENGINE @1800 RPM)	634 RPM
HOOK LOAD CAPACITY	300,000 LBS.*
SKID DIMENSIONS	7'-11.5"W X 28'L

*THIS INFORMATION IS FOR REFERENCE ONLY. ACTUAL CAPACITIES ARE DETERMINED BY ENGINE/TORQUE CONVERTER COMBINATIONS.

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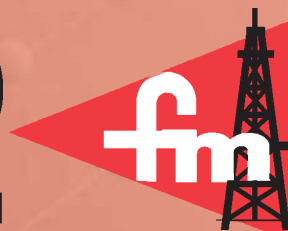
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