

# 2000 HP x 1,000,000 LBS.HOOK LOAD DRILLING RIG



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## **2000 HP SCR RIG EQUIPMENT INVENTORY**

**CODE: (N) New (R) Refurbished**

MAST: (R)

Model: Pyramid 142 Self-Elevating  
Hook Capacity: 1,000,000 lbs.  
Clear Height: 142 feet  
Racking Capacity: 210 Stands of 5" ø (Triples)  
Mast will accommodate a 500 Ton Top Drive

SUB STRUCTURE: (R)

Model: Pyramid Self-Elevating Substructure  
Drill Floor Height: 25 ft.  
Casing Capacity: 1,000,000 lbs.  
Setback Capacity: 600,000 lbs.  
Total Capacity: 1,600,000 lbs.

V-DOOR: (N)

CAT WALK: (N)

2 Pieces, each 18" H x 5'W x 30'L

DRAWWORKS:

Model: National 1320 UE (R)  
Rated Horsepower: 2000 HP  
Drive Motors: 2 – 1250 HP Joliet Traction Motors (R) with  
10hp Blowers (N)  
Auxiliary Brake: Eaton (or Equal) 336 Disc Brakes (N)  
Brake Cooling: 50 bbl water tank, (R) w/  
4 x 3 x 13 centrifugal pump and 30 hp electric driver (N)

DRILL LINE: (N)

Make: Union Wire Rope, 5,000 ft.  
Type: 1 3/8" RRL, EIPS, IWRC

DEADLINE ANCHOR: (N)

Make: Hercules Model 131-T, 100,000 lb

DRILL LINE SPOOLER: (R)

Type: Electric Drive

Capacity: 5,000 ft of 1 3/8" Drill line

TRAVELING ASSEMBLY: (R)

Block: Model – 500 Ton  
Rating – 500 Ton  
Sheaves – 6 – 50" for 1 3/8" line  
Hook: Model – 500 Ton  
Rating – 500 Ton  
Elevator Links: 144", 500 Ton

ROTARY EQUIPMENT:

Swivel: Model – 500 Ton (R)  
Rating – 500 Ton  
Kelly: Type – Hexagonal (R)  
Size – 5 1/4", 40 feet  
Kelly Bushing; Pin Drive (R)  
Kelly Hose – Type: Grade D – API 7K, 5000 psi; 75 feet long (N)  
Rotary Table: Type – Model RT375 (R)  
Size: 37 1/2" Square  
Rating: 500 ton  
Drive: 1 – GE752 /Joliet Traction Motor (R) w/10hp detached  
blower (N)  
Master Bushing: 37 1/2" (R)  
Inserts bowls, 1, 2, &3 (R)

TOP DRIVE: (R)

500 Ton Tesco Top Drive (Hydraulic)  
Rated Capacity: 500 Ton  
Rated Power: 750 HP  
Max. Drill Torque: 44,600 ft-lb  
Make-up Torque: 44,600 ft-lb.  
Breakout Torque: 50,150 ft-lb.  
Max. Speed: 160 RPM

MUD SYSTEM:

Mud Pumps: (2) 1600 HP Bomco  
Type – Triplex  
Drivers: 2 –Joliet Traction Motors (R) w/10 hp blowers (N)  
Pulsation Dampeners: 5000 psi (R)  
Charging Pumps – 8 x 6 x 11 Centrifugal w/75 hp electric  
driver (N)

Tanks: 1500 BBL Capacity – 3 Tanks (N)  
Shaker Tank; 500 bbl (N) w/  
3 –Shale Shakers, 600 gpm each (N)  
3 - Circulating Pumps: 6 x 5 x 11 w/60 hp electric drivers (N)

- 1 – Drilco Degasser, 700 gpm w/ 10 hp driver (N)
- 1 –Desilter, 12 cone, 800 gpm rating (N)
- 1 –Desander, 1 cone, 10” 1000 gpm rating (N)
- 4-Agitators (N)

- Suction Tank; 500 bbl (N) w/
  - 2 – pumps, 6 x 5 x 11 w/60 hp electric drivers (N)
  - 3 –Mud agitators (N)
  - 2 –Hoppers (N)
- Intermediate Tank: 500 BBLs
  - 2 – Agitators (N)

- Trip Tank: 75 bbl (N) w/
  - 2 – 4 x 3 x 13 centrifugal pump with 30 hp electric driver

#### GENERATOR UNITS:

- Engines: 4 Caterpillar 3512C, 1450 HP ea. (5800 HP Total) (N)
- Generators: 4 Kato 6P6-3300 Synchronous Brushless Revolving Field Generator rated at 1365 kw for SCR Application, (New)

#### SCR HOUSE:

- 4 Gen x 4 SCR system (N)
- 600 VAC, 750 VDC 3 phase
- Input 1,600 Amps, 60 hz
- Output; 750 VDC, 2,000 AMP ADC
- Climate controlled, self contained unit.

#### AUXILIARY EQUIPMENT & STORAGE

- Air Compressor (R)
  - 2 – Curtis 40 Series, Screw Type, 173 CFM, 125 psi
  - Powered by 40 hp electric drivers
- Air Receivers (N)
  - 2 – 200 gallon vertical
- Cold Start Compressor (R)
  - 1 – Lambardini 10 hp Diesel pull start, Model CAERSPKG, R series
  - 1 – 40 Gallon receiver attached, 25.25 ACFM @ 100 psi
- Dog House (R)
  - 1 – 8 feet x 35 feet driller’s side mounted
- Change House (R)
  - 1 – 8 feet x 40 feet w/ 24 individual lockers, shelves and table

Fuel Tank (R)

- 1 – 250 bbl Tank w/
- 1 – RCI Fuel purifier, Dayton GPCV6V-05 pump with  
2 hp, 3 ph electric pump motors

Water Tank (R)

- 1 – 500 bbl tank with
- 2 – 4 x 3 x 13 centrifugal pumps driven by 30 hp electric motors

**INSTRUMENTATION, CONTROL & RECORDING EQUIPMENT (N)**

Driller's Console, AOI Custom, Single Bay w/ (N)

- Model 100 Weight Indicator
- Electric torque indicator
- Rotary RPM indicator
- Pump Pressure Gauge
- Tong line pull indicator
- Down Time valve
- Pump Stroke Counter
- Satellite automatic driller

Driller's Control Console (DCC) (N)

- 1 – 12 Position Selector Switch,
- 1 – Drilling / Tripping
- 1 – Drawworks speed selection
- 1 – SCR/MP-1/MP-2, Drawworks/Rotary, T.A. Control unit
- 1 – Hydraulic Tong Controls
- 1 – Emergency Brake Control

Drilling Recorder (N)

- 1 – ARG series 5 pen recorder to record;
  - Hook Load
  - ROP
  - Rotary torque
  - Pump Pressure
  - Rotary RPM
  - Totco Deviation Tool, 0 – 8 degrees

**BOP PREVENTION & WELL CONTROL EQUIPMENT**

Preventor

- 1 – Annular Type, 13 5/8" API, Shaffer 5,000 psi rating (R)
- 1 – Ram Type preventors, 13 5/8" 5,000 psi, Cameron  
Type U Double (R)
- 1 – Ram Type preventors, 13 5/8" 5,000 psi, Cameron Type U

Single (R)

- 1 – of Each Ram set, 13 3/8", 9 5/8", 7", 6 5/8" (R)
- 1 – set Blind rams (R)
- 1 – Adapter/Spacer spool, 13 5/8", 5,000 lb (R)

1 – set Risers and bell nipples (N)

Choke Line Valves (R)

- 2 – handle gate valve 3", type flange
- 2 – hydraulic gate valve 3" type flange

Kill Line Valves: (R)

- 2 - handle gate valve 3", type flange
- 2 - hydraulic gate valve 3", type flange

Accumulator Unit and Control (R)

- 1 – Consolidated Pressure Control 5S-2160-25 Manifold 5036, triplex pump, 220 gallon, 3,000 psi  
12 bottle, 300 gal reservoir w/ air pump & 25 hp driver
- 1 – Remote Control BOP on Rig Floor

Choke Manifold (R)

- 1 – 10,000 psi Cameron with adjustable 2 9/16" API
- 1 – Remote control panel on rig floor

Gas Buster

- 1 – OEM Poor Boy 26" (R)

DRILLING STRING:

Drill pipe: (N)

- 440 jts, 5" OD x 4.276" ID, G105 19.5 lb/ft, 4 1/2" IF
- 30 jts, Heavy weight Drill Pipe, 5" OD x 3" ID, 49.3 lb/ft, 4 1/2" IF

Pipe Joints: (N)

- 1 jt, 5" OD x 3" ID, 5 ft, 49.5 lb/ft.
- 1 jt, 5" OD x 3" ID, 9.84 ft, 49.5 lb/ft
- 1 jt, 5" OD x 3" ID, 16.4 ft, 49.5 lb/ft

Drill Collars: (N)

- 4 jts, 9 1/2" OD x 3" ID, spiral, 216.6 lb/ft, 7 5/8" REG
- 10 jts, 8" OD x 3" ID, spiral, 136.1 lb/ft, 6 5/8" REG
- 15 jts, 6 1/2" OD x 2 13/16" ID, spiral, 92.5 lb/ft, 4 1/2" IF

Short Collars: (N)

- 2 jts, 9 1/2" OD x 3" ID, spiral, 216.6 lb/ft, 7 5/8" REG
- 2 jts, 8" OD x 3" ID, spiral, 136.1 lb/ft, 6 5/8" REG
- 2 jts, 6 1/2" OD x 2 13/16" ID, spiral, 92.5 lb/ft, 4 1/2" IF

Bit Subs: (N)

- 1 – each 7 5/8" x 7 5/8" REG BOX
- 1 – each 6 5/8" x 6 5/8" REG BOX

- 1 – each 7 5/8" x 6 5/8" REG BOX
- 1 – each 6 5/8" REG BOX x 4 1/2" IF BOX
- 1 – each 4 1/2" REG x 4 1/2" IF BOX

Kelley Saver Sub: (N)

- 2 – each 6 5/8" REG BOX x 4 1/2" IF PIN
- 2 – each 6 5/8" REG BOX x 6 5/8" REG PIN

Crossovers & Subs: (N)

- 2 – each, 4 1/2" IF BOX x 6 5/8" REG PIN
- 2 – each, 6 5/8" REG BOX x 7 5/8" REG PIN
- 2 – each, Lifting Sub 7 5/8" REG PIN
- 4 – each, Lifting Sub 6 5/8" REG PIN
- 6 – each, Lifting Sub 4 1/2" IF PIN

DRILLING FLOOR EQUIPMENT

Slips: (R)

- 2 - each Wooley XL type A for,
  - 9 1/2" Drill Collar
  - 8" Drill Collar
  - 6 1/2" Drill Collar
  - 5" Drill Pipe
  - 7" Casing
  - 9 5/8" Casing
  - 13 3/8" Casing

Elevators: (R)

- 2 - each Wooley 350 ton for 5 drillpipe

Tongs: (R)

- Wooley Super B for
  - 9 1/2" Drill Collar
  - 8" Drill Collar
  - 6 1/2" Drill Collar
  - 5" Drill Pipe
  - 7" Casing
  - 9 5/8" Casing
  - 13 3/8" Casing

Dog Collars/Safety Clamps: (R)

- 2 – 9 1/2" and 8" Drill Collar
- 2 – 6 1/2" Drill Collar

Spinning Tongs: (R)

- JT Flour International Model SSW40

Hydraulic Cathead: (N)

2 – Hydraulic Cylinders with independent controls on driller's console

Hydraulic Power Unit: (N)

1 – World Wide, 30 gpm, Hartmann PVX464-CKXXX-20FL pump w/ 20hp model XWWE20-18-256TC, electric drive

Wire Line Unit: (N)

1 – Fire Star Rig & Supply, Model 097X20000 w/ 20,000 ft .092 wire

Air Hoists: (N)

2 – Texas First Industrial JQHSB-50X12, for 5/8" line size

Tugger:

1 – Derrickman's Assist Tugger (N) at Racking Board

Kelly Spinner, Air drive, reversible (N)

Lift Assist Assembly, including Geronimo Seat and escape slide (N)

**ALL EQUIPMENT OFFERED ARE EITHER NEW OR FULLY  
REFURBISHED WITH DOCUMENTATION. WE CAN ADD, DELETE OR  
CHANGE EQUIPMENT AS REQUESTED.**