



**SMALL FOOTPRINT  
BIG POWER**



## Custom Built 1,200 HP 3-Axle Trailer Mounted Drilling Rig

Custom built 3-axle trailer mounted drilling rig built to provide the capability and mobility of comparable 4-axle rigs in a more efficient and cost-effective design.

This rig is transportable in just 10 loads versus the typical 14-16 loads and is lighter than a comparable 4-axle rig. A lighter 3-axle rig and fewer loads means lower permitting costs to transport due to seasonal conditions and location.

This rig has a smaller footprint than comparable rigs providing greater geographical reach with less environmental impact when deployed.

Comparable rigs often incorporate too many hydraulics that require constant repair due to leakage. While this rig incorporates an automated pipe handling system, it was designed to reduce the amount of redundant hydraulics to reduce maintenance and repair costs.

The rig can be safely operated with a 3-4 man crew while larger rigs can require 5 or more.

# RIG SPECIFICATIONS

## ▶ SUBSTRUCTURE

- » Ingersoll Rand 14'3" H, 750K lb. Capacity
- » Ideco 27 1/2" Rotary Bushings
- » BOP Trolley Handling System

## ▶ DRILL UNIT

- » 1200 Hp Rig (Trailer Mounted)
- » (2) Detroit 60 Series Eng. 14L 625 hp w/ Air Compressors
- » (2) Allison 6860 Trans. w/PTO & Hydraulic Pumps
- » Ingersoll Rand 68' - 500K Mast
- » GT-250 Block Track System - 250 ton
- » Hydraulic Reservoir
- » Air Storage Tank
- » 2000' Spool of 1-1/8" Drill Line
- » Hydraulic Jacks
- » Mud Boat

## ▶ PIPE HANDLING SYSTEM

- » Hydraulic Pipe Handler
- » Hydraulic J-Hooks
- » Iron RoughNeck
- » (1) Set of Pipe Racks

## ▶ HPU / TOP DRIVE

- » VentureTech XK-250 Top Drive
- » HPU - CAT C18 w/ Hydraulic Pump

## ▶ WELL CONTROL EQUIPMENT

- » Koomey 5-Station Accumulator
- » 5000 PSI Choke Manifold

## ▶ MUD TANKS

- » (2) 500 bbl Mud Tanks
- » (2) 75 hp 6x8 Centrifugal Pumps
- » (2) 50 hp 5x6 Centrifugal Pumps
- » (4) 15 hp Pit Agitators
- » Vortex 650 gpm Shale Shaker

## ▶ MUD PUMPS

- » (2) Ideco T-1300 Mud Pumps
- » (2) 50 hp 5x6 Centrifugal Pumps
- » (2) 5000 psi Pulsation Dampeners
- » (2) 3' Shear Relief Valves
- » (2) Caterpillar D-399 Engines



# RIG SPECIFICATIONS

- ▶ **WATER TANK**
  - » 700 bbl Fresh Water Tank
- ▶ **WATER DOG**
  - » 75 hp 6x8 Centrifugal Transfer Pump
- ▶ **GENERATOR ROOM**
  - » Control Panels
  - » Caterpillar 3408 w/ 350 KW Generator
  - » Suitcase for Electrical & Fluid Lines
- ▶ **GENERATOR HOUSE**
  - » Parts Room - Storage Cabinets
  - » Parts Room - Storage Bins
  - » Bottom Dog House Room - Lockers
- ▶ **MEASUREMENTS FROM CENTER OF HOLE...**
  - » To End of Upper J-Hooks - 59'
  - » To Back Side of Generator House - 133'
  - » To Back Side of Mud Tank #1 - 35' 7"
  - » To Outside Edge of Accumulator 50



# SET IN PROCEDURE...

1. Substructure Will Center Over Hole
2. Mud Boat Will Pin To Back Or Sub
3. Pipe Handler Will Pin Top & Bottom To Front Sub
4. Set Water Tank, Line Up Edge Of Tank With Corner Of Sub
5. Raise Dog House & Adjust Tank To Match Handrails
6. Back Unit Onto Mud Boat & Line Up Sockets On Sub
7. Set HPU 10' From Sub & 3' From Mud Boat
8. Set #1 Mud Tank So Walkways Line Up
9. Set #2 Mud Tank With Guides Between Tanks
10. Set Back Of Generator With Front Of #2 Tank & 4' Over
11. Set Suitcase End At Plugs On Generator House
12. Set #1 Mud Pump, Line Up Suction
13. Set #2 Mud Pump, Line Up Suction
14. Choke Manifold Will Center Between Sub & Mud Tank
15. Line Up Accumulator Lines & 10' Out From Water Tank
16. Water Dog Sets 4' Out From Mud Tank
17. Upper J-Hooks Set Against Pipe Handler
18. Lower J-Hooks Pin To Pipe Handler
19. Set Pipe Racks Between J-Hooks

This Complete Rig had a recent 1,212 point Assessment by Lloyds Register Energy. And has scored in the Top 3% (97 percentile) of all Like Rigs.

The focus is to improve operation of drilling systems equipment, improving safety, and increasing equipment reliability in conformance with API and ISO recommendations.

Checked items were either reconditioned, replaced, or upgraded to be compliant with API and ISO recommendations.

You can be assured of the readiness for International use and compliance.

This Equipment Rating (ER) is a unique system to:

Measure the condition of the individual rig.

Compare the inspection results of an individual rig with the industry average for this particular type of rig, worldwide or in a specific area.

Visualize the strengths and weaknesses of an individual rig.

Benchmark the safety and maintenance standards of an individual rig against other rigs or against the results of previous inspections.

Use a risk analysis tool to proactively prevent accidents and downtime.

The added value of the ER system is that it visualizes and measures the present condition of a rig and its equipment. The ER allows a direct comparison of a rig with other rigs of the same type (Jack-Ups with Jack-Ups etc.) located in a predefined area or worldwide.

This rig has recently had a Certified Machinery and Equipment Appraisal performed.

This Appraisal was performed by a Master Certified Machinery & Equipment Appraiser working for Expert Equipment Appraisal (One of the largest Equipment Appraisal USA companies in the small business sector.

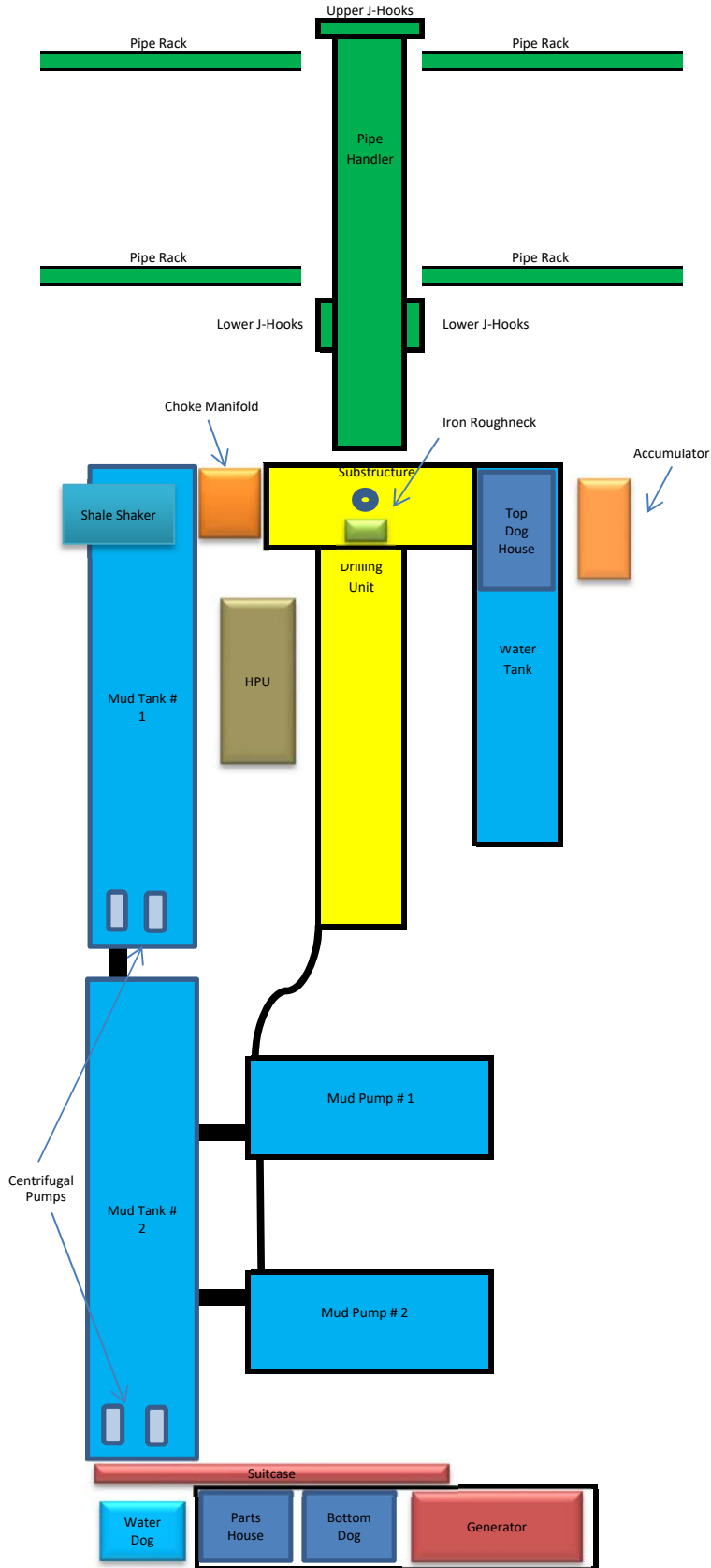
The Appraisal was performed in Compliance with U.S.P.A.P (The Uniform Standard of Professional Appraisal Practice) an Internationally accepted Appraisal standard.

The appraisal reflected a range of values based on current market conditions, the overall condition of the rig, the market viability of the rig and the ability to sell the rig Internationally.

The valuation showed a Fair Market Value of between \$5.2 million and \$3.5 million depending on exact market conditions at the time of sale.

Current market conditions and alternate rigs currently being offered in the market have created an opportunity for you to purchase this rig **BELOW MARKET VALUE.**

## GT - 120 FOOTPRINT



## GT - 120 EQUIPMENT LIST

### SUBSTRUCTURE / DRILL UNIT

#### Substructure

IR 14'3" H, 750K lb. Capacity  
27 1/2" Ideco Rotary Bushings  
BOP Trolley Handling System

#### DRILL UNIT

GT-120 1200 HP Trailer Mounted  
(2) Detroit 60 Series 14L 625 HP W/Air Compressors  
(2) 5860 Allison Transmissions W/PTO & HYD Pumps  
IR 68' 500K Mast  
GT - 250 Block Track System 250 Ton  
Hydraulic Reservoir  
Air Storage Tank  
5000' Spool 1 1/8" drill line  
Hydraulic Jacks  
Mud boat

### PIPE HANDLING SYSTEM

Hydraulic Pipe Handler  
Hydraulic J-Hooks  
Iron Roughneck  
(2) Sets of Pipe Racks

### HPU / TOP DRIVE

XK - 250 Venturetech Top Drive  
HPU - C-18 Cat W/Hydraulic Pump

### WELL CONTROL EQUIPMENT

5 Station Kooomey Accumulator  
5000 PSI Choke Manifold

### FLUID TANKS AND EQUIPMENT

#### MUD TANKS

(2) 500 bbl Mud Tanks  
(2) 75HP 6X8 Centrifugal pumps  
(2) 50HP 5x6 Centrifugal Pumps  
(4) 15HP Pit Agitators  
Vortex 650 GPM Shale Shaker

#### WATER TANK

700 bbl Fresh Water Tank

#### MUD PUMPS

(2) Ideco T-1300 Mud Pumps  
(2) 50HP 5x6 Centrifugal Pumps  
(2) 5000 PSI Pulsation Dampeners  
(2) 3" Shear Relief Valves  
(2) D-399 Caterpillar Engines

#### WATER DOG

75HP 6X8 Centrifugal Transfer Pump

### RIG HOUSES

#### GENERATOR HOUSE

Parts Room  
Storage Cabinets  
Storage Bins  
Bottom Dog House Room  
Lockers  
Generator Room  
Control Panels  
3408 Caterpillar W / 350 KW Generator  
Suitcase for Electric and Fluid Lines

### MEASUREMENTS FROM CENTER OF HOLE

TO END OF UPPER J-HOOKS 59'  
TO BACK SIDE OF GENERATOR HOUSE 133'  
TO BACK SIDE OF MUD TANK # 1 35'7"  
TO OUTSIDE EDGE OF ACCUMULATOR 50'

### SET IN PROCEEDURE

- 1 Substructure will center over hole
- 2 Mud boat will pin to back of sub
- 3 Pipe handler will pin top and bottom to front sub
- 4 Set water tank, line up edge of tank with corner of sub
- 5 raise dog house and adjust tank to match handrails
- 6 Back unit onto mud boat and line up sockets on sub
- 7 Set HPU 10' from sub and 3' from mud boat
- 8 Set # 1 mud tank so walkways line up
- 9 Set # 2 mud tank with guides between tanks
- 10 Set back of generator with front of # 2 tank and 4' over
- 11 Set suitcase end at plugs on generator house
- 12 Set # 1 mud pump, line up suction
- 13 Set # 2 mud pump, line up suction
- 14 Choke manifold will center between sub and mud tank
- 15 Line up accumulator lines and 10' out from water tank
- 16 Water dog sets 4' out from mud tank
- 17 Upper J-Hooks set against pipe handler
- 18 Lower J-Hooks pin to pipe handler
- 19 Set pipe racks between J-Hooks