

National 1320 UE , 2000HP Drawworks

Booklet of Descriptions and Inventories

Rig 26

Dreco Sling Shot

25,000' Diesel / Electric SCR

1,300,000 Hook Load Capacity

2,000 Horsepower Drawworks

350 Ton / 500 Ton National Power Swivel

4/30/2010

DRILLING UNIT DESCRIPTION

A) Name of Rig Rig #026
B) Type of Rig **Dreco Sling Shot**
Diesel / Electric SCR Drilling Rig
C) Rating **25,000'**

STORAGE CAPACITY

A) Drill Water 1,000 Bbl.
B Diesel Fuel 500 Bbl

DERRICK & SUBSTRUCTURE

Dreco Sling Shot 32'W x 142'H
1.3M Hook Capacity - 900,000 Set Back Capacity
20,000' 5" Drill Pipe Racking Capacity
Clear Height Under Rotary Beams - 29'-6"
Wind Capacity - 100 MPH with pipe racked

ROTARY TABLE

National C-275 Rotary
Chain Driven by (2) 752 DC Motors on Drawworks 500 Ton
Static Load Capacity

DRAWWORKS

National 1320 UE Drawworks
w/ 7838 Elmago Brake

TRAVELING EQUIPMENT

Crown Block DWH-1100 500 ton with (8) 54" Sheaves
Traveling Block National 650 with (6) 54" Sheaves
Hook B.J. - Model 5500
Drilling Line 7500' 1 3/8" Wireco XIP

Top Drive National 350 / 500 Power Swivel

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ENGINES & DRIVE GROUP

Drive Engines

(4) Caterpillar D-399 TA Engines - 1215 HP ea. driving 1030 KW, 600 VAC Kato Generators

(1) Caterpillar D-343 Engine (Cold Start) - 400 HP @ 1800 RPM - Driving 250 KW, 480 VAC Generators

SCR System

G.E. - 3rd Generation - 4 Bay SCR

(4) G.E. Engine Controls, Woodward 701 / Basler

(1) 5 Ton Air Conditioner

(2) 10 Ton Air Conditioner

PUMPS & MUD SYSTEM

Mud pumps

(2) National 12-P-160 Triplex Slush Pumps 1600 HP each driven by (2) 752 DC Electric Motors

(1) National 10-P-130 Triplex Slush Pump independently driven by Cat-D399.

Supercharge Pumps

2 – 6X5X14 Halco Series 2500 Centrifugal pump w/ Mech Seal, each driven by 50 HP 1800 RPM motor.

Mud Mixing

2 – 8X6X14 Halco Series 2500 Centrifugal pump w/ Mech Seal, each driven by 100 HP 1800 RPM motor.

Desilter / Desander / Degasser Pumps

2– 8X6X14 Halco Series 2500 Centrifugal pump w/ Mech Seal, each driven by 100 HP 1800 RPM motor.

Mud Pits

3– Covered Mud Pits 1,200 bbls Total. Rectangular tanks with rounded bottoms. Designed for minimal settlement of solids.

Agitators

10– Derrick DE-AG-10 complete with 10 HP, 1800 RPM Motor, 32” Canted Blade Impellers.

Shakers

3 – Derrick 2SG48-120F-4A-2 Flow Line Cleaner Model 514 complete w/ 4 Panel Screen Frame Hi – G Motors (7G), One can be used w/ Desilter / Desander or all 3 can be used as primary Shakers.

Degasser

1 – Derrick DFD 1200 – Vacu-Flo 1200 Vacuum type degasser, rated at 1200 GPM.

Desilter / Desander

(3)-10” Desander Cones, (19)-4” Desilter Cones, used with Flow line Cleaner, Model 514.

Trip Tank

100 bbl 2-Compartment Tank with (2) 3X2X13 Centrifugal pumps, each driven by a 15 hp motor.

Caustic Barrel

Barrel designed to mix in caustic chemicals with no skin exposure during the process.

WELL CONTROL EQUIPMENT

Annular Preventer

Hydril - Mod. GK, 13 5/8” 5M

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Blowout Preventers

- (1) Cameron - Type "U", 13 5/8" 10M Double
- (1) Cameron - Type "U", 13-5/8" 10M Single
- (2) Kill Line Valves - (1) 2 1/16" 10M Manual
(1) 2 1/16" Check Valve HCR
- (2) Choke Line Valves - (1) 4 1/16" 10M Manual
(1) 4 1/16" HCR

Accumulator

- Koomey - 180 Gal. Capacity, 8 stations w/remote
- (2) Air Over Hydraulic Pumps
- (1) Electric Triplex Pump
- Steel Lines & 1" Fireproof Flex Lines

Choke Manifold

- (6) 4 1/16" 10M Valves
- (2) 2 1/16" 10M Valves
- (2) 2 1/16" 10M Cameron Manual Chokes

RIG FLOOR ACCESSORIES

Rotating Mousehole

- (1) International Phantom Rotating Mousehole Tool for right and left hand rotation. Tool joint sizes 2 7/8" thru 10 3/4".

Drill Pipe Spinners

Spinner Hawk

Tongs

B.J. - SDD 54" Long Tongs W/Jaws to fit 4" - 15"

Air Hoists

- (1) Ingersol Rand HUL-40
- (1) Ingersol Rand K6U
- (1) Air Hoist in Derrick

Wireline Unit

Howco W/15,000' .092 Wire

Survey Equip.

Totco Survey Barrel w/ 8 & 16 Degree Instruments

Drill String Handling Tools

- (2) Sets 350 Ton 5" Drill Pipe Elevators
- (3) Sets 5" SDXL Varco Drill Pipe Slips
- (2) Sets 9" Drill Collar Slips

SURFACE BOP & DRILL STRING

Surface BOP Equipment

- (2) Lower Kelly Valves (Safety Valve)
- (1) Gray Dart Valve
- (2) 4 1/2" IF Kelly Saver W/Rubbers

AIR COMPRESSORS

- (2) Quincy 5120-L Air Compressors Driven By 20 HP AC Motors
- (1) Leroi Screw Type Compressor

FIRE FIGHTING EQUIPMENT

- (4) ABC CO2 Fire Extinguishers
- (15) 30# Dry Ansul Fire Extinguishers