



The SEAHAWK is a column stabilized self erecting tender-assist unit and is presently equipped with a 1,000 kip derrick, National Oilwell Power Swivel (PS2500/500), National 2,000 HP Drawworks, and three (3) each 1,600 HP mud pumps. The SEAHAWK's BOP is a Shaffer 18¾", 10,000 psi, with three (3) rams and one (1) annular.



## CHARACTERISTICS

Type Of Vessel	Semisubmersible Tender Assist Rig
Certication	ABS Maltese Cross A1 IMO MODU
Water Depth	600 ft. (without pre-set moorings)
Drilling Depth	25,000 ft.
Year of Construction	1974 – Converted to Semi-Tender 1992
Years of Upgrade	1999/2006
Full Displacement	14,737 short tons
Full Load Draft	50 ft.
Survival Draft	45 ft.
Transit Draft (Shallow)	28 ft.
Deck Area	27,900 sq. ft.

## PRINCIPAL DIMENSIONS

Overall Length	202 ft.
Overall Beam	182 ft.
Gross Tonnage	8,317

## CAPACITIES

Liquid Mud	Ten (10) Pits plus Slug Pit – Total 4,577 bbls.
Active Mud	660 bbls.
Reserve Mud	1169 bbls.
Brine	1442 bbls.
Oil Base Mud	905 bbls.
Slug Pit	120 bbls.
Trip Tank	2 x 50 bbls.
Bulk Material	10,850 cu. ft.
Sack Storage	2,500 sq. ft.
Drill Water	9,660 bbls.
Fuel	4,830 bbls.
Base Oil	4,830 bbls.
Potable Water	1,803 bbls.
Maximum VDL	2,500 Short Tons
Accommodations	123 persons (plus 2 bed sick bay)



## MOORING SYSTEM

### Chain Windlasses

Four (4) National Model D504E double windlasses for 2¾" chain, each driven by GE752 DC Shunt motor

### Chain

Eight (8) 2,500 ft. lengths, 2¾" ORQ chain

### Anchors

Eight (8) 33,000 lb. Moorfast with swivels and Chain Chasers

## POWER SYSTEM

### Diesel Engines

Five (5) Caterpillar 3516B, 1855 HP each

### Generators

Five (5) Kato Model 6P7-3100, rated at 1,440 KW each; 600V; 1,200 RPM; 2,450 KVA; 0.6PF

### Emergency Generators

#### Tender

One (1) Detroit Diesel Model 12V92TA 830 HP engine driving one (1) Marathon Model 573RSL4032, 806KVA, 480V, 60HZ Generator

### SCR System

Tech Power Controls SCR package including Top Drive, Mud Pump synchronizer and DES SCR System; two (2) 1,500 KVA Transformers; one (1) 750 KVA Transformers GE motor control centers

## DRILLING EQUIPMENT ON DERRICK EQUIPMENT SET

### Drawworks

National 1,320-UE, 2,000 HP, driven by two (2) EMB M79ADB DC motors, complete with Baylor 7838 Auxiliary Brake

### Rotary

National C-375 driven by one (1) EMD D-79 DC motor

### Top Drive

National PS2-500/500, 500 ton capacity, maximum continuous torque 4,860 ft. lbs., Intermittent 53,845 ft. lbs. driven by GE752-US 1 double shaft DC shunt wound motor

### Mast

Dreco, Bootstrap, 152 ft. (ca lear working height of 108 ft.) telescoping with 1,000,000 lb. static hook load rating and 600,000 lbs. setback capacity, 220 Stds X 5.5 DP, 10 x Stds 8" DC

### Crown Block

Dreco rated 500 S.T. with 12 lines (1 3/8" drill line)

### Swivel

National P-500 rates 500 S.T. and 5,000 psi WP

### Hook Block

National PSB – 600/500

### Iron Roughneck

Varco Model AR3200 CM for 3½" thru 9¾" tubulars, with max breakout torque 100,000 ft. lbs.

## BOP EQUIPMENT

### BOPs

One (1) 18-¾" Shaffer Spherical BOP 5M PSI; One (1) Shaffer SLX 18¾" BOP Double Ram, 10,000 psi;

One (1) Shafer SLX 18¾" BOP Single Ram, 10,000 psi; CAD Control System (Model No. CAD3000833D); One (1) M-Serious Accumulatro Module Model BR3F4N8ND 296 gallons; One (1) 450 gallon SS fluid reservoir; Twenty (20) Fifteen (15) gallon bladder type (APII116D); Four (4) 8½" air motor driven 40: 1 ratio pumps; One (1) S-Series electric pump module U33HB460 c/w, 60 hp motor; Emerson Cat#YC60E2B, mdl#A640, Frame 364T

## MUD SYSTEM ON DERRICK EQUIPMENT SET

### Shale Shakers

Two (2) Derrick Hi G Model 2M48-120F-4A-82 dryer units. One (1) Derrick Flo – Line Cleaner Super G FLC-2000 Model 2E48-120F-4T

### Mud Gas Separator

One (1) Dreco Poorboy Type with 10" vent line to top of mast and 6" vent line to flare boom

## MUD SYSTEM ON TENDER

### Mud Pumps

Two (2) National 12-P 160 and one (1) Continental Emsco FB 1600 triplex mud pumps, each pump belt driven by two (2) GE-752 R3A DC motors with maintenance free pulsation dampeners

### Shale Shakers

Five (5) Derrick Flo-Line/Linear Motion Cleaners Model L48-96-F-3P

### Desander

Demco model 123 with 3 each 12" cones 1,500 GPM

### Desilter

Harrisburg model DSL-0800-16-4C, 800 GPM complete with 16 each 4" cones

### Degasser

Burgess Magna – VAC Model 1,500, 1,000 GPM capacity

### Mud Mixing Pumps

Three (3) 6" x 8" Mission Magnum centrifugal pumps with 100 HP motors

### Mud Charging Pumps

Three (3) 6" x 8" Mission Magnum centrifugal pumps with 100 HP motors

### Mud Agitators

Seven (7) Harrisburg model MA-25, one (1) Harrisburg Model MA-20

## AUXILLIARY EQUIPMENT

### Heliport

72' diameter rated for S-61N Sikorsky helicopter

### Cranes

Two (2) Seatrax Cranes Model S5624, boom 120 ft. and one (1) Dreco Kingpost Crane Model 84DNS, with 140 ft. boom

### Distillation Unit

One (1) Alfa Laval Model D-PU-2-36 waste heat unit, 19,800 gallons per day

### Air Compressors

Three (3) Quincy Model QSI-500-ANA 500 CFM each at 125 psi;

One (1) Quincy Model QSLP-100; 40 psi 715 ACFM

One (1) Quincy Model QT25L04 100 CFM, 100 CFM Emergency Air Compressor (on Rig Floor), CFM (for rig package)

### Lifeboats

Two (2) Watercraft 62 person, enclosed, self-propelled, davit Launched; one (1) Fast Rescue Boat, Alexander-Ryan Jet Propelled, Model BH-HR6

### Rapid Deploy Rescue Craft

One (1) Ryan Marine BH-HR6 rigid hull, center console with windshield, complete with a JET 230 diesel motor

### Liferafts

Five (5) 25 person RFD