



## ENSCO 5004

### GENERAL INFORMATION

<b>Flag:</b>	Liberia
<b>Previous Name(s):</b>	Pride Venezuela
<b>Year Built:</b>	1982
<b>Builder:</b>	FRAMNÆS MEK VÆRSTED, stand fjord, Norway
<b>Upgrade:</b>	
<b>Design:</b>	Friede & Goldman 9500; Enhanced Pacesetter, 6 columns.
<b>Classification:</b>	BV – Maltese cross 1A1 – Column stabilized Drilling Unit – non self-propelled.

### MAIN DIMENSIONS

<b>Length:</b>	311.20ft
<b>Breath:</b>	231ft
<b>Elevation:</b>	110.20ft (above base line)

### DRAFT AND DISPLACEMENT

<b>Drilling Draft:</b>	65ft
<b>Transit Draft:</b>	24 – 30ft

### MACHINERY

<b>Main Power:</b>	4 x Bergen Diesel KVGB-12 diesel engines x 2,582hp; 4 x Siemens AC generators, 600V 60Hz 2,260KVA
<b>Power Distribution:</b>	10 x Alstom-Bauteil SCR units x 1,800A, 750V
<b>Emergency Power:</b>	Detroit Diesel 16V-71T, 750hp; Siemens 680KVA generator

### OPERATING PARAMETERS

<b>Water Depth:</b>	1,500ft
<b>Drilling Depth:</b>	25,000ft (Maximum)
<b>Transit Speed:</b>	5 to 6knots
<b>Survival</b>	Wind: 100knots; Waves: 105ft at 20sec;
<b>Conditions:</b>	Current: 3knots.

### DRILLING EQUIPMENT

<b>Derrick:</b>	Normar dynamic 179ft x 40ft x 40ft base; 1,250,000lb SHL with 14 lines.
<b>Drawworks:</b>	National 1625 DE, input 3,000hp, grooved for 1½” drilling line, driven by 3 x GE752 DC motors, and Elmagco 7838 auxiliary brake with independent backup system.
<b>Rotary:</b>	National C-495 49-1/2” opening, independent drive with GE-752 DC motor.
<b>Top Drive:</b>	Varco TDS-4S x 2 speeds x 650T x 45,500ft.lb x 5,000psi WP.
<b>Cementing:</b>	10,000psi WP
<b>Mud Pumps:</b>	3x Nat. 12-P-160x1,600hp x5,000psi WP
<b>Drill pipe:</b>	19,000 ft x 5” OD Grade G-105 x 25.6lb/ft, GPDS-50, 6,500ft x 3 ½” OD Grade G-105 x 15.5lb/ft. NC-38
<b>HWDP:</b>	29 x joints x 5” OD x 50lb/ft., NC-50; 30 x joints x 5” OD x 50lb/ft., GPDS 50; 36 x joints 3 ½” OD x 25.3lb/ft., NC-38.
<b>Drill collars:</b>	10 x 9 ½”, 7-5/8” Regular; 32 x 8 ¼”, 6-5/8” Regular; 29 x 6 ½”, 4 ½” IF; 19 x 6 ½”, 4” IF; 19 x 4 ¾”, NC-38.

### HOISTING EQUIPMENT

<b>Crane:</b>	2 x Liebherr BOS 30-950 x 30mT at 8.5m x 36.5m boom; 1 x Liebherr BOS 60-800 x 60mT at 11.5m x 26.5 m boom.
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### CAPACITIES

<b>Variable Deck Load:</b>	3,640mt @ operating draft
<b>Liquid Mud:</b>	2,214bbl
<b>Bulk Mud/Cement:</b>	19,776ft³
<b>Sacks:</b>	6,000 sacks
<b>Drill water:</b>	11,230bbl
<b>Potable Water:</b>	3,535bbl
<b>Brine Storage:</b>	2,484bbl
<b>Base Oil Capacity:</b>	1,300bbl
<b>Fuel Oil:</b>	11,200bbl

### WELL CONTROL SYSTEMS

<b>BOP:</b>	Vetco DW-HD-H4 well head connector x 18 ¾” x 15,000psi WP; 2 x Cameron type U-II double x 18 ¾” x 15,000psi WP x H₂S trimmed preventers; 1 x Cameron type D annular x 18 ¾” x 10,000psi WP x H₂S trimmed; LMRP: Cameron connector model 70 x 18 ¾” x 10,000psi WP; 1x 18 ¾” Shaffer x 5,000psi WP annular; Vetco Uniflex 2.0 ksi flex joint, H₂S service.
<b>BOP Handling:</b>	AS-Normar 250T BOP carrier and BOP trolley.
<b>Control System:</b>	Cameron discrete surface hydraulic control system, Oceaneering ATAG Pods, Oceaneering deadman auto-shear emergency controls.
<b>Diverter:</b>	Regan KFDS-3 x 500psi WP; 14” flow line outlet; 2 x 14” diverter lines, H₂S service.
<b>Choke and Kill:</b>	NOV T3 15,000psi H₂S trimmed.

### MOORING

<b>Winches:</b>	4 x Norwinch double hydraulic windlasses x 496,000lb stall.
<b>Wire:</b>	8 x 4,593ft x 3” diameter ORQ-S chain.
<b>Anchors:</b>	8 x 26,455lb Vryhof Stevpris-MK-5 anchors

### HELIDECK

Sikorsky S-61N, Load capacity 11.8t

### ACCOMMODATION

120 persons

### ADDITIONAL DATA

4 x Jiangyin Neptune Marine x 60 man Totally enclosed boat  
 8 x 25 man + 1 x 20 man life raft