

# KS JAVA STAR

## GENERAL

RIG NAME : KS Java Star  
RIG TYPE : Jackup, Independent Legs, Cantilever  
RIG DESIGN : Friede & Goldman L-780  
YEAR BUILT / UPGRADED : 1981, Refurbished in 2012  
BUILDER : Keppel FELS Singapore  
CLASSIFICATION : ABS, +A1 Self Elevating Drilling Unit,  
IMO MODU Code 79  
FLAG : Indonesia

## MAIN PARTICULARS

HULL LENGTH : 180 ft  
HULL BREADTH : 175 ft  
HULL DEPTH : 25 ft  
TRANSIT DRAFT : 15 ft  
NO. OF LEGS / TYPE : 3, Triangular / Truss type  
LEG LENGTH : 406 ft (including spud cans)  
357 ft (usable below hull)

CANTILEVER REACH : 40 ft longitudinal  
10 ft transverse

ACCOMMODATION : 100 POB  
HELIDECK : As per CAP 437, Sikorsky S-61  
MOORING SYSTEM : 4x 50,000 lbs pull winch  
4x 10,000 lbs Baldt LWT anchor

## STORAGE CAPACITIES

FUEL OIL : 2,259 bbls  
DRILL WATER : 5,572 bbls  
POTABLE WATER : 1,041 bbls  
LIQUID MUD (TOTAL) : 1,700 bbls  
BARITE / BENTONITE : 4,800 ft<sup>3</sup>  
BULK CEMENT : 4,800 ft<sup>3</sup>  
SACK STORAGE : 3,000 sacks

## JACKING SYSTEM

MAKE / MODEL : National NS 400, Pinion gear  
NO. OF PINIONS : 12 per leg  
MAX JACKING LOAD : 200 mt per pinion  
JACKING SPEED : Raising 1 ft/min, Lowering 1ft/min

## OPERATIONAL CAPABILITIES

WATER DEPTH : 300 ft max  
DRILLING DEPTH : 20,000 ft  
VARIABLE LOAD : 3,847 kips  
3,403 kips  
3,169 kips  
4,456 kips

DRILLING  
TRANSIT  
SURVIVAL  
JACKING

## CRANES

PORT SIDE : Seatrax S7216, 110ft boom, SWL 56mt  
STARBOARD SIDE : Seatrax S7216, 110ft boom, SWL 56mt



## POWER SUPPLY SYSTEM

ENGINES NO. / MODEL : 3x CAT D-399 + 2x CAT 3512C  
ENGINES POWER : 3x 1,200 hp + 2x 1,475 hp (6,550 hp)  
POWER GENERATORS : 5x KATO 1,050 kW each  
EMERGENCY POWER : 1x CAT D353, 410 hp

## DRILLING EQUIPMENT

DERRICK MAKE : Pyramid  
DERRICK DIMENSIONS : 157 ft x 30 ft x 30 ft  
STATIC HOOK LOAD : 1,000,000 lbs  
DRAWWORKS : National 1320 UE, drill line 1-3/8"  
DRAWWORKS POWER : 2,000 hp  
TRAVELLING BLOCK : National 760-G-650, 500 st  
ROTARY TABLE : Oilwell B-37.5, 37-1/2"  
TOP DRIVE : VARCO TDS-4S w/ PH-85 pipe handler  
650 st 45,000 ft-lbs max continuous torque

## WELL CONTROL EQUIPMENT

DIVERTER : 1x T3 7012, 29-1/2" 500 psi  
BOP SPHERICAL : 1x T3 7012, 21-1/4" 2k psi  
1x T3 7022, 13-5/8" 5k psi  
BOP RAMS : 1x T3 6012, 21-1/4" 2k psi double  
1x T3 6012, 13-5/8" 10k psi double  
1x T3 6012, 13-5/8" 10k psi single

## MUD SYSTEM

WORKING PRESSURE : 5,000 psi  
MUD PUMP : 2x National 12P-160 Triplex pumps  
SHALE SHAKERS : 4x Derrick Dual Pool 626  
DESANDER : 1x Derrick, 3x 10" cones, 1500 gpm  
DESILTER : 1x Derrick, 20x 4" cones, 1600 gpm  
DEGASSER : 1x Swaco Vacuum Horizontal 1000 gpm

## KS DRILLING

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A member of KS Energy Limited