

KS JAVA STAR 1

GENERAL

RIG NAME : KS Java Star 1
RIG TYPE : Jackup, Independent Legs, Cantilever
RIG DESIGN : Friede & Goldman L-780
YEAR BUILT / UPGRADED : 1981, Upgraded in 2009
BUILDER : Keppel FELS Singapore
CLASSIFICATION : ABS, +A1 Self Elevating Drilling Unit,
IMO MODU Code 79
FLAG : Marshall Island

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 ft³
BULK CEMENT : 4,800 ft³
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 : 11,000 ft
VARIABLE LOAD : 4,486 kips
3,403 kips

DRILLING
TRANSIT

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 Hydril MSP 29-1/2" 500 psi
BOP SPHERICAL : 1x Hydril MSP, 21-1/4" 2k psi
1x Hydril GK 13-5/8" 5k psi
BOP RAMS : 1x Cameron 21-1/4" 2k psi double
2x Cameron 13-5/8" 10k psi double

MUD SYSTEM

WORKING PRESSURE : 5,000 psi
MUD PUMP : 2x National 12P-160 Triplex pumps
SHALE SHAKERS : 4x BEM 650
DESILTER : 1x Swaco 8T4, 16 cones, 1200 gpm
DEGASSER : 1x Swaco Vacuum Horizontal 1000 gpm

KS DRILLING

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A member of KS Energy Limited