

Drilling Rig



Vessel name:

SKD T-11

A purpose built barge-type self-erecting tender assisted drilling (TAD) rig with a flat bottom, raked stern and bow hull shape. The rig is designed as a cost efficient for development drilling involving multiple well slots on fixed wellhead platforms. The mooring system is designed to enable it to work on TLPs and SPARs in up to 6,000 feet of water depth with pre-laid mooring.

GENERAL

Design	Flat bottom barge
Built/year	MMHE Malaysia / 2008
Rig type	Self-erecting TAD Rig
Major upgrades	Nil
Flag	Panama
Classification	ABS
Class notations	+A1 Barge Drilling Tender

MAIN DIMENSIONS/TECHNICAL

Length x breadth x depth	320 ft x 90 ft x 37.75 ft
Max. water depth	800 ft with conventional mooring system / 6,000 ft with pre-laid mooring system
Min. water depth	30 ft
Drilling depth	30,000 ft
Variable load	7,108 mt
Helideck	S61N/S92
Helideck compliance	CAP437
Accommodation	157 persons

DRILLING EQUIPMENT

Derrick	MH-Pyramid Telescoping Mast
Hookload/ Setback	750 kips / 500 kips
Drawworks	National 1320-UDBE - 2,000 HP
Racking capacity	20,000 ft 5" DP
Top drive	NOV TDS-8S AC, 650 st, 62,250 ft-lbs cont torque
Pipe handling	PH-100
Iron Roughneck	HawkJaw Junior, Mod 65K-950JR
Rotary table	LEWCO L-375 - 37.5"
Power slips	PS-500
Drilling Line	7,500 ft x 1-3/8" OD
DES dry weight	767 mt
DES number of lifts	15
Max Platform height	90 ft

STORAGE CAPACITIES

Fuel	5,495 bbbls
Drill water	19,060 bbbls
Potable water	3,977 bbbls
Liquid mud	5,234 bbbls
Base oil	2,214 bbbls
Brine	2,668 bbbls
Barite/Bentonite	8,400 cu ft
Cement	8,400 cu ft
Sack storage	3,000 sacks + 6,000 sacks storage capacity utilizing mobile dry material storage tanks

POWER

Main engines	6 x Cat 3516-BTA
Main generators	6 x Kato AC 6P7-2050 @ 1,600 kW
Total power	7,740 kW
Emergency power	1 x Cat 3512-DITA, Kato 6P6-2650 @ 1020 kW

WELL CONTROL

Diverter	Nil
BOP	13 3/4" Hydril, 10k ABOP 13-3/4" Hydril, 10k 2 x SRBOP & 1 x DRBOP 10k psi
C&K manifold	10k psi
BOP hoist	50 mt

MUD SYSTEM

Mud pumps	3 x Lewco W-1712, triplex, 1,600 HP
Pressure rating	7,500 psi
Shale shakers	3 x Axiom AX-1
Mud gas separator	30" OD x 22 ft high with 6-ft mud seal and 8" OD vent line
Degasser	Swaco CD-1400 Hurricane, rated 1400 GPM

LIFTING EQUIPMENT

Main crane	Favelle Favco PC250 / 170-ft boom
Main crane rating	200 mt @ 20.0 m radius (DF=2.0)
Deck crane	Favelle Favco 6/10K with 140-ft boom
Deck crane rating	20 mt @ 10 m radius (DF=2.0)
Master Skid cranes	2 x Masterskid knuckle joint cranes
Master Skid crane rating	7,500 lbs SWL

TUBULARS

Drill pipe	5" DP
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OFFLINE ACTIVITY CAPABILITY

OAC crane	Yes
OAC power tong	HawkJaw Junior, Model 65K-950JR Power Tong
URF activity cantilever	Yes with wireline unit

STATION KEEPING

Anchor wire	8 x 2 1/2" OD x 4,600 ft galvanised steel wire ropes
Anchors	8 x 10 mt Delta Flipper + 1 x spare anchor
Mooring winches	4 x Skagit Model DMW 250, dual drums, electric winches

OTHER FEATURES

Lifeboats	4 x 80 persons. Jianguin Norsafe JYN85F survival crafts
Offline cementing	Nil

*Owners reserve the right to amend the specifications without notification.

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