

Drilling Rig



Vessel name:

SKD T-10

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, Johor, Malaysia / 2007
Rig type	Self-erecting TAD Rig
Major upgrades	Nil
Flag	Panama
Classification	ABS
Class notations	+A1 Barge Drilling Tender & 'Statement-of-Fact' for MODU A.649

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	140 persons

DRILLING EQUIPMENT

Derrick	MH-Pyramid Bootstrap Mast
Hookload / Setback	1,000 kips / 1,200 kips
Drawworks	Lewco LDW3000 3,000 HP
Racking capacity	30,000 ft of 5 7/8" DP
Top drive	NOV TDS-8S AC, 650 st, 62,250 ft-lbs cont torque
Pipe handling	PH-100
Iron Roughneck	HawkJaw Senior, Model M100K-2GSR Power Tong
Rotary table	LEWCO L-375 - 37.5"
Power slips	B&V PS-500
Drilling Line	7,500 ft x 1 1/2" OD
DES dry weight	841 mt
DES number of lifts	15
Max Platform height	90 ft

STORAGE CAPACITIES

Fuel	5,495 bbls
Drill water	19,000 bbls
Potable water	1,985 bbls
Liquid mud	5,072 bbls
Base oil	2,200 bbls
Brine	2,636 bbls
Barite/Bentonite	8,000 cu ft
Cement	8,000 cu ft
Sack storage	8,000 sacks

POWER

Main engines	6 x Cat 3516-BTA
Main generators	6 x Kato AC 6P7-2650 @ 1,290 kW
Total power	7,740 kW
Emergency power	1 x Cat 3512B, Kato 6P6-1800 @ 1030 kW

WELL CONTROL

Diverter-BOP	21 1/4" Hydril 'MSP', 2k ABOP 21 1/4" Hydril 'V', 2k 2 x SRBOP 21 1/4" 2K, Diverter Spool
BOP	13 3/8" Hydril 'GX' 10k ABOP 13 3/8" Hydril 10k, 1 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, 1600 HP
Pressure rating	7,500 psi
Shale shakers	4 x Brandt Rigtech VSM 300
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 1,400 GPM

LIFTING EQUIPMENT

Main crane	Favelle Favco PC250 with 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 @ 5.5 m radius (DF=2.0)
Master Skid cranes	Nil
Master Skid crane rating	N/A

TUBULARS

Drill pipe	5 7/8" DP
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OFFLINE ACTIVITY CAPABILITY

OAC crane	Yes
OAC power tong	Yes - HawkJaw Senior, Model M100K-2GSR 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 70 persons, Jiangyin Norsafe J survival crafts
Offline cementing	

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

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