

# Drilling Rig



Vessel name:

## SKD T-9

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	MSE Malaysia / 2004
Rig type	Self-erecting TAD Rig
Major upgrades	-
Flag	Panama
Classification	ABS
Class notations	+A1 Barge Drilling Tender & 'Statement-of-Fact' for MODU A.649 (16)

### MAIN DIMENSIONS / TECHNICAL

Length x breadth x depth	320 ft x 90 ft x 38 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	7,180 mt
Helideck	S61N or Super Puma
Helideck compliance	CAP437
Accommodation	140 persons

### DRILLING EQUIPMENT

Derrick	MH-Pyramid bootstrap, quadruple, 182-ft
Hookload / Setback	1,000 kips / 1,200 kips
Drawworks	NOV 1625-DE - 3,000 HP, disc brake system
Racking capacity	30,000 ft 5 7/8" DP
Top drive	NOV TDS-8SA, 650 tons, 62,250 ft-lbs cont torque
Pipe handling	PH-100
Iron Roughneck	HawkJaw Model 100K-2GSR Power Tong
Rotary table	Lewco L-375 with 37 1/2" table opening
Power slips	NOV PS-21
Drilling Line	7,500 ft x 1 1/2" OD
DES dry weight	870 mt
DES number of lifts	16
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	2,630 bbls
Barite/Bentonite	8,000 cu ft
Cement	8,000 cu ft
Sack storage	8,000 sacks

### POWER

Main engines	6 x Caterpillar Model 3516-BTA
Main generators	6 x Kato AC Model No. 6P7-2650 @ 1,290 kW
Total power	7,740 kW
Emergency power	1 x Cat 3512-BTA @ 1,030 kW

### WELL CONTROL

Diverter-BOP	21 1/4" Hydril 'MSP', 2k ABOP 21 1/4" Hydril, 2k 2 x SRBOP 21 1/4" 2K, Diverter Spool
BOP	13 3/4" Hydril 'GK', 5k ABOP 13 3/4" Hydril, 10k, 1 x SRBOP & 1 x DRBOP EEC 10k psi WP
C&K manifold	EEC 10k psi WP
BOP hoist	50 mt

### MUD SYSTEM

Mud pumps	3 x Lewco W-1712, triplex, 1700 HP
Pressure rating	7,500 psi
Shale shakers	4 x Brandt VSM 300
Mud gas separator	30" OD x 22 ft OAH with 6-ft mud seal & 8" OD vent line
Degasser	Swaco CD-Hurricane, rated 1,400 GPM

### LIFTING EQUIPMENT

Main crane	Favelle Favco PC250 with 170-ft boom
Main crane rating	200 mt @ 20 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	CraneSafe knuckle crane
Master Skid crane rating	7,500 lbs

### TUBULARS

Drill pipe	5 7/8" DP
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### OFFLINE ACTIVITY CAPABILITY

OAC crane	Yes
OAC power tong	Yes - HawkJaw Model 100K-2GSR Power Tong
URF activity cantilever	Nil

### STATION KEEPING

Anchor wire	8 x 2 1/2" OD x 4,500 ft, galvanised steel wire ropes
Anchors	8 x 10 mt Delta Flipper
Mooring winches	4 x Skagit Smatco Model DMW 250, dual drums, electric winches

### OTHER FEATURES

Lifeboats	4 x 70-persons, Norsafe JYN85F survival crafts
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\*\* Owners reserve the right to amend the specifications without notification.

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