

# Drilling Rig



Vessel name:

## SKD T-18

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 work on TLPs and SPARs in up to 6,000 feet of water depth with pre-laid mooring.

*Technical specifications are preliminary and may change during the course of the shipyard project without prior notice.*

### GENERAL

Design	Flat bottom barge
Built / year	COSCO Nantong China / 2013
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	160 persons

### DRILLING EQUIPMENT

Derrick	Aker Telescopic Mast
Hookload / Setback	750 kips / 550 kips
Drawworks	NOV DSGD, 2,300 HP
Racking capacity	20,000 ft 5" DP
Top drive	NOV TDS-8S AC, 750 tons, 62,250 ft- lbs cont torque
Pipe handling	PH-100
Iron Roughneck	HawkJaw Junior, Mod 65K-950JR
Rotary table	LEWCO L-375 with 37 1/2" table opening
Power slips	PS-500
Drilling Line	5,000 ft x 1-3/8" OD
DES dry weight	TBA
DES number of lifts	TBA
Max Platform height	90 ft

### STORAGE CAPACITIES

Fuel	5,440 bbls
Drill water	17,745 bbls
Potable water	3,831 bbls
Liquid mud	5,234 bbls
Base oil	3,300 bbls
Brine	2,409 bbls
Barite / Bentonite	4,200 cu ft / 4,200 cu ft
Cement	8,400 cu ft
Sack storage	9,000 sacks on pallets or 6,000 sacks plus 100 drums of chemical

### 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-D1TA, Kato 6P6-2650 @ 1020 kW

### WELL CONTROL

Diverter	Nil
BOP	13-3/4" Cameron, 5k ABOP 13-3/4" Cameron, 10k 1 x SRBOP & 1 x DRBOP
C&K manifold	10k psi
BOP hoist	50 mt

### MUD SYSTEM

Mud pumps	3 x National 12-P-160, triplex 1600 HP
Pressure rating	7,500 psi
Shale shakers	3 x Axiom AX-1
Mud gas separator	30" OD with 8" OD vent line
Degasser	Swaco CD-1400 Hurricane

### 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 @ 10 m radius (DF=2.0)
Master Skid cranes	2 x Master Skid 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	NOV Gantry Crane @ monkey board, 12,000 lbs SWL
OAC power tong	HawkJaw Junior, Model 65K-950JR
URF activity cantilever	Yes

### STATION KEEPING

Anchor wire	8 x 2 1/2" OD x 4,400 ft galvanised steel wire ropes
Anchors	8 x 10 mt Delta Flipper
Mooring winches	4 x Skagit Model DMW 250, dual drums, electric winches

### OTHER FEATURES

Lifeboats	4 x 80 persons, Jiangyin Norsafe JYN85F survival crafts
Offline cementing	

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

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