



EDrill-1

A self-erecting, tender assist, drilling rig combining a high specification, lightweight drilling equipment set (DES) with an upsized, deep-draft barge. The DES is handled in three (3) lifts to reduce rig move times and the high capacity tender barge effectively supports batch drilling and completions with offline casing, tubing, and drillpipe stand building.

GENERAL

Design	Self-erecting tender assist drilling barge
Built / Year	COSCO Guandong China / 2014
Rig Type	SETR
Major Upgrades	Nil
Flag	Singapore
Classification	ABS
Class Notations	+A1 Barge Drilling Tender

MAIN DIMENSIONS / TECHNICAL

Length x Breadth	328 ft x 98 ft x 37.8 ft
Max. Water Depth	6,000 ft w/Pre-laid Mooring
Min. Water Depth	30 ft
Drilling Depth	30,000 ft
Variable Load	7,551 mt
Helideck	S61N & S92A
Helideck Compliance	CAP437
Accommodation	170

DRILLING EQUIPMENT

Derrick	Aker Solutions Telescopic Mast
Hookload	1000 kips
Drawworks	LTI LDW-1000k, 3,000 HP
Racking Capacity	16,400 ft 5" DP
Top Drive	NOV TDS-8SA, 750 MT, 65,000 ft-lbs Cont Torque
Pipe Handling	PH-100
Iron Roughneck	HawkJaw Senior, Model 100K – 2GSR
Rotary Table	LTI L-375 – 37.5"
Power Slips	PS500
Drilling Line	7,500 ft x 1-1/2" OD
DES Number of Lifts	3
Max. Platform Height	110 ft above mean sea level

STORAGE CAPACITIES

Fuel	5,787 bbls
Drill Water	20,373 bbls
Potable Water	4,121 bbls
Active/Reserve Liquid Mud	5,460 bbls
Base Oil	3,837 bbls
Brine	2,830 bbls
Bulk Bentonite / Barite	8,400 cu ft
Bulk Cement	8,400 cu ft
Sack Storage	9,000 Sacks plus 100 drums

POWER

Main Engines	6 x Cat 3516C-HD
Main Generators	6 x KATO AC 6P6-3200 @ 2,150 kVA
Total Power	9,180 kW
Emergency Power	1 x Cat 3512-B, KATO 6P6-2150 @ 1,250 kVA

WELL CONTROL

Diverter	Nil
BOP	13-5/8" Cameron, 5k ABOP. 13-5/8" Cameron, 10k 1 x SRBOP & 1 x DRBOP
C&K Manifold	10k psi
BOP Hoist	75 mt

MUD SYSTEM

Mud Pumps	3 x Lewco W-1712, Triplex 1,600 HP
Pressure Rating	7,500 psi
Shale Shakers	4 x Brandt VSM300
Mud Gas Separator	42" OD with 8" OD Vent Line
Degasser	M-I Swaco CD-1400 Hurricane



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A purpose-built barge-type self-erecting tender assisted drilling rig with a flat bottom, raked stern and bow hull shape. The rig is designed for development drilling involving multiple well slots on fixed wellhead platforms in up to 6,000 ft of water with pre-laid mooring.

LIFTING EQUIPMENT

Main Crane	Favco PC400 / 170-ft Boom
Main Crane Rating	400 mt @ 20.0 m Working Radius (DF = 1.0 SWH)
Deck Crane	Favelle Favco PC20-6/10K with 135-ft Boom
Deck Crane Rating	20 mt @ 10 m Working Radius
Master Skid Cranes	2 x Master Skid Knuckle Joint Cranes
Crane Rating	9,000 lbs

TUBULARS

Drill Pipe	5" DP
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OFFLINE ACTIVITY CAPABILITY

OAC Crane	Cantilever Crane, 12,000 lbs
OAC Power Tong	Hawk Ind., Model 100K-2GSR
Offline Electric Log	Yes

STATION KEEPING

Anchor Wire	8 x 64mm OD x 1,500m Galvanised Steel Wire Ropes
Anchors	8 x 10 mt MK5 Vryhof Stevpris + 1EA Spare
Mooring Winches	4 x Skagit Model DMW-250-108, Double Drums, Electric Winches

OTHER FEATURES

4 x 85 Men Jiangyin Neptune Survival Crafts, Offline Cementing