

CONTENTS

MAIN DIMENSION OF THE UNIT
UNIT STORAGE CAPACITIES
OPERATIONAL CAPABILITY
UNIT CERTIFICATES
MOORING SYSTEM
MARINE LOADING HOSES
CRANE-HOISTS
HELICOPTER LANDING DECK
AUXILIARY EQUIPMENT
SPACE FOR UTILITIES
ACCOMODATION
EMERGENCY & SAFETY EQUIPMENT
H2-S/FLAMABLE GAS MONITORING SYSTEM
FIRE MONITORING & FIGHTING SYSTEM
POLLUTION PREVENTION SYSTEM;
DRILLING RIG SPECIFICATIONS
POWER SUPPLY SYSTEM
H.P. MUD/CEMENT CIRCULATING SYSTEM
LOW PRESSURE MUD/CEMENT SYSTEM
DRILL SOLID REMOVAL SYSTEM
BULK CEMENT/MUD STORAGE SYSTEM
WELL CONTROL EQUIPMENT
BOP CONTROL SYSTEM
DOWN HOLE TUBULAR MATERIAL
DP/DC HANDLING TOOLS
CASING HANDLING EQUIPMENT
TUBING EQUIPMENT
FISHING EQUIPMENT
INSTRUMENTATIONS
UNIT COMMUNICATION SYSTEM

A UNIT SPECIFICATIONS

A.1 UNIT OWNER DATA

A.1.1 Owner General Data

1	Rig Owner	:	(+)	
2	Rig Operation Management	:	(+)	
3	Owner Head-office address	:	(+)	
4	Management Head office address	:	(+)	AS ABOVE
5	Owner Head office telephone	:	(+)	
6	Management Head office telephone	:	(+)	AS ABOVE

A.2 UNIT DATA

A.2.1 Unit General Data

1	Unit Name	:	(+)	
2	Unit Type	:	Self-Elevating Mobile Offshore Drilling Unit.	Self-Elevating Mobile Offshore Drilling Unit.
3	Unit Flag	:	(+)	
4	Unit Classification	:	(+)	ABS
5	Unit Design	:	(+)	MODEC200C-45
6	Year of Unit construction	:		1980
7	Unit construction shipyard	:	(+)	JAPAN
8	Actual Unit Location	:	(+)	Middle East
9	Actual Unit Status (drilling,-Idle,etc.)	:	(+)	DRILLING

A.3 MAIN DIMENSIONS OF THE UNIT

A.3.1 Main Dimensions of Hull

1	Light Ship weight	Mt	(+)	6293
2	Main deck width	ft	(+)	190.3
3	Main deck length	ft	(+)	203.4
4	Main deck Depth	ft	(+)	21.0
5	Longitudinal distance between center Legs	ft	(+)	118
6	Transversal distance between center Legs	ft	(+)	128
7	Jack House height.	ft	(+)	21.7
8	Distance from Rig Floor to Bottom of Hull.	ft	(+)	53.9

A.3.2 Main Dimensions of Legs

1	Legs; quantity	No	(+)	3
2	Leg Shape type	:	(+)	TRIANGULAR
3	Leg actual length installed	ft	(+)	405
4	Leg Max length that can be installed.	ft	(+)	
5	Leg Max Usable length below the Hull.	ft		350 ft
6	Leg Minimum safe reserve, upper guide to top of leg.	ft	(+)	5
7	Leg Spudcan Diameter.	ft	(+)	41.3
8	Leg Spudcan Height.	ft	(+)	22.2
9	Leg Spudcan Foot Print area.	ft ²	(+)	1346 / 125 m2

A.3.3 Spud- can Jetting system

1	Jetting system type	:	(+)	LOW & HIGH PRESSURE
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A.3.4 Jacking system

1	Number of Pinions per leg	No.	(+)	18
2	Lifting capacity of each pinion	Mt	(+)	200
3	Holding capacity of each pinion	Mt	(+)	454
4	Speed, raising hull	ft/m	(+)	1.1
5	Speed, lowering hull	ft/m	(+)	1.3

A.3.5 Derrick Skidding system

1	Max.longitudinal skidding capacity	ft		40
2	Max.Transversal skidding capacity	ft		20
3	Max quantity of drill pipe stands can be kept racked on derrick during the skidding operation.			16000
4	Max quantity of drill Collars stands can be kept racked on derrick during the skidding operation	ft	(+)	1000

A.4. UNIT STORAGE CAPACITIES
A.4.1 Unit Storage capacity

1	Fuel	bbls	(+)	2956
2	drilling water	bbls	(+)	3390
3	Potable water	bbls	(+)	2239
4	Liquid mud (active & reserve)	bbls		1736
5	Mud processing Tank	bbls	(+)	????
6	Waste liquid (mud and washing water)	bbls	See appendix "A-1" Liquid and Solid Waste Collection System	????
7	Brine	bbls	(+)	????
8	Oil base Mud	bbls	(+)	????
9	Bulk bentonite/Barite	ft ³	(+)	4500
10	Bulk Cement	ft ³	(+)	4500
11	Sack storage	No.	(+)	2500
12	Ballast water system	bbls	(+)	8476

				On Main Deck
13	Casing Joints racking capacity	No./ft	(+)	On Cantilever
14	Drill pipes/Collars racking capacity	No./ft	(+)	On Main Deck
				On Cantilever
				553 Mt
				453 Mt

A.5 OPERATIONAL CAPABILITY
A.5.1 Operating depths

1	Max. Designed water depth capability	ft	(+)	350
2	Max. outfitted water depth capability	ft	(+)	350
3	Min. outfitted water depth capability	ft	(+)	15-20
4	Min. Transit water depth capability	ft	(+)	12
5	Maximum Operating AIR GAP for which the Unit is fully equipped.	ft	(+)	56
6	Max. Drilling depth capacity (5" DP)	ft	(+)	20000

A.6. UNIT VARIABLE LOAD
A.6.1 Variable Deck Load

1	Variable Deck Load In Transit mode	Mt	(+)	1500
2	Variable Deck Load In Drilling mode	Mt	(+)	1800
3	Variable Deck Load In Survival mode	Mt	(+)	1200

A.7. ENVIRONMENTAL LIMITS

A.7.1 ENVIRONMENTAL LIMITS

		Drilling	Survival	Drilling	Survival
1 Max Designed Water Depth	ft	(+)	(+)	350	350
1 Max. wave height	ft	(+)	(+)	30	40
2 Related wave period	sec	(+)	(+)	12	12
3 Max. wind velocity	knots	(+)	(+)	70	100
4 Max. current velocity	knots	(+)	(+)	2	2
5 Max Air Gap	ft	(+)	(+)	56	56
6 Max. Leg Penetration	ft	(+)	(+)	25	25

A.8. UNIT CERTIFICATES

A.8.1 Certificates

		Issuing Authority	Issuing Date	Expiring Date	Issuing Authority	Issuing Date	Expiring Date
1 Hull Class certificate	:	(+)	(+)	(+)	ABS		
2 Machinery Class certificate	:	(+)	(+)	(+)	ABS		
3 Certificate of Registry	:	(+)	(+)	(+)	EGYPT		
4 Safety Construction certificate	:	(+)	(+)	(+)	ABS		
5 Safety Equipment certificate	:	(+)	(+)	(+)	ABS		
6 Safety radio certificate	:	(+)	(+)	(+)	ABS		
7 International load line certificate	:	(+)	(+)	(+)	ABS		
8 International Oil Pollution certificate	:	(+)	(+)	(+)	ABS		
9 IMO MODU Code certificate	:	(+)	(+)	(+)			
10 Mandatory annual Survey Reports as per IMO Resolution A.413 (XI)	:	(+)	(+)	(+)			
11 Annual Inspection of Cargo Gear	:	(+)	(+)	(+)	Local		
12 Other Certificate and/or Regulatory Compliance	:	(+)	(+)	(+)	ABS		

A.9. MOORING SYSTEM

A.9.1 Anchor winches

1 Winches	No	(+)		4
Winches	make	(+)		SKAGIT
3 Winches	type	(+)		SINGLE DRUM
4 Rated Pull	Mt	(+)		16

A.9.2 Anchors

1 Anchors Quantity	No	(+)		4
2 Anchors	Make	(+)		U.S.N.
3 Anchors	Type	(+)		LIGHT WEIGHT
4 Anchors Weight	lbs	(+)		10000

A.9.3 Mooring Lines

1 Mooring Lines	No	(+)		4
2 Mooring Lines Nominal diameter	inch	(+)		1.5 inch
3 Mooring Lines	type	(+)		Galvanized steel wire
4 Mooring Lines Useful Length	Mtr	(+)		700
5 Mooring Lines Breaking strength	mt	(+)		+/- 110
6 Anchor buoys				4 each
7 Buoy pendant wires, shackles				8 x 60 m, 16 shackles

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B. DRILLING RIG SPECIFICATIONS:

B.1 DERRICK & SUBSTRUCTURE.

B.1.1 Derrick/Mast

1	Derrick or Mast	:	Derrick	DERRICK
2		make	(+)	DRECO D 12
3		type	(+)	BEAM LEG BOLTED
4	Rated for wind speed with full setback load	Knots	(+)	70
5	Built as per Rules	:	(+) API 4E	??????
6	Clear height	ft	(+) 160	160
7	Dimension of the base	ftxft	(+)	30 X 30
8	Dimensions of the top (crown)	ftxft	(+)	12 X 12
9	Gross Nominal Capacity	lbs	(+)	1300000
10	Static Hook Load capacity	lbs	(+) 1,000,000 minimum	1000000
11	with max.of lines	No.	(+)	12
12	Ladders with safety cages	Yes/No	(+) Requested	YES
13	Ladders with rest platforms	Yes/No	(+)	YES
14	Counterbalance for rig tongs	type	(+)	WEIGHT BUCKET
15	Lighting system Explosion Proof	Yes/No	(+) Requested	YES

B.1.2 Racking Platform

1		make	(+)	DRECO
2		type	(+)	FINGERS
3	Racking Platform capacity of 5" D.P.	ft	(+) 16,000 minimum	16000
4	Racking Platform capacity of 9.1/2" D.C.	ft	(+)	100
5	Rack. Platform capacity of 11.1/4" D.C.	ft	(+)	N/A

B.1.3 Automatic Drill Pipe Racking system

1		make	(+)	NONE
2		type	(+)	
3	Derrickman racking arm	Yes/No	(+)	
4	Rig Floor Racking arm	Yes/No	(+)	

B.1.4 Casing Stabbing Board

1		make	(+)	DRECO
2		type	(+)	MODEL A
3	Adjustable from	ft	(+)	18
4	Adjustable to	ft	(+)	47

B.1.5 Substructure/Rig Floor

1	Built as per API specification	No.	(+)	4E
2		make	(+)	MODEC
3		type	(+)	SKIDDING
4	Simultaneous setback and hook load capacity	Mt	(+)	450
5	Clear height below Rotary Table Beams	ft	(+)	20
6	Rig Floor Dimensions	ftxft	(+)	40 X 40
7	Rig floor Antislipping pad	make	(+)	SAFET PAD 11
8		type	(+)	HARD WEARING

B.1.6 Weather Proofing Provision

1	Rig floor windbreaks height	ft	(+)	15
2	Rig floor windbreaks	type	(+)	STEEL PLATE

3	Derrickman windbreaks height	ft	(+)	
4	Derrickman windbreaks	type	(+)	10 STEEL PLATE

B.1.7 Derrickman Pltf-TV Camera System

1	Camera	No.	(+)	NONE
2		make	(+)	
3		type	(+)	
4	Camera Located At	:	(+)	
5	Zoom/Pan/Tilt function	Yes/No	(+)	
6	Monitors Located At	:	(+)	

B.2. DRAWWORKS & ASSOCIATED EQUIPMENT

B.2.1 Drawworks

1		make	(+)	OILWELL
2		type	(+)	E 2000
3	Rated Input Power	HP	(+)	2000
4	Main Drum dimensions (O.D.xLength)	inchs	(+)	32 X 56-3/4
5	Main Drum	type	(+)	LEBUS GROOVED
6	Main drum rated pull (fast line)	Mt	(+)	500
7	Low speed Main Drum Clutch	make	(+)	AIRFLEX
8	Low speed Main Drum Clutch	type	(+)	MODEL 42 VC 1200
9	Low speed Main Drum Clutch rated Pull	Mt	(+)	355.5
10	Main Drum Brake	type	(+)	FRICTION
11	Spinning Cathead	make	(+)	FOSTER
12	Spinning Cathead	type	(+)	37
13	Breakout Cathead	make	(+)	FOSTER
14	Breakout Cathead	type	(+)	24
15	Independent Fresh water cooling system for Drawworks and Auxiliary brake	Yes/No	(+)	YES
16	Crown Block Safety device	make	(+)	STEWART & STEVENSEN
17	Crown Block Safety device	type	(+)	TCB STANDARD

B.2.2 Drawworks Power

1	Number of Electric Motors	No.	(+)	2
2	Electric motors	make	(+)	GENERAL ELECTRIC
3		type	(+)	752
4	Continuous Output Power	Hp	(+)	800
5	Each Motor Max Output Torque	ft.Lbs	(+)	900 AMPS
6	Electric Motor Cooling system	type	(+)	FORCED AIR
7	Cooling system Air intake point (If applicable)	:	(+)	TOP OF RIG FLOOR

B.2.3 Drawworks Auxiliary Brake

1		make	(+)	BAYLOR ELMAGCO
2		type	(+)	7838
3	Battery back-up system	Yes/No	(+)	NO

B.2.4 Sandline

			(+)	NONE
1	Sandline Drum Capacity	ft	(+)	
2	Sandline size	inchs	(+)	
3	Sandline Length	ft	(+)	
4	Sandline	type	(+)	
5	Sandline Breaking Strength	Mt	(+)	

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