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2007 WORLDWIDE SURVEY OF FLOATING PRODUCTION, STORAGE AND OFFLOADING (FPSO) UNITS

ORGANIZED BY VESSEL NAME

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LEGEND

GAS DEPOSITION
F-Flared S-Sales I-Injection L-Lift

OFFLOADING SYSTEMS
TS-Tandem Stern TB-Tandem Bow
TC-To CALM Buoy SS-Side by Side

HULL CONSTRUCTION
DH-Double Hull SH-Single Hull
DS-Double Sided

TYPE OF FLARE
FB-Flare Boom or Flare Tower
GF-Ground Flare
FF-Floating Flare

MOORING SYSTEM TYPE
IT-Internal Turret ET-External Turret
SM-Spread Moored
RTM-Riser Turret Mooring
SALS-Single Anchor Leg System
CALM-Catenary Anchor Leg Mooring
SALM-Single Anchor Leg Mooring
JSY-Jacket Soft Yoke

MOORING TYPES
P-Permanent D-Disconnectable

FLUID TRANSFER TYPES
S-Swivel DC-Drag Chain RP-Riser Porch

CLASSIFICATION SOCIETY
ABS-American Bureau of Shipping
BV-Bureau Veritas
CCS-China Classification Society
DNV-Det Norske Veritas
LR-Lloyd's Register
RINA-Registro Italiano Navale Group

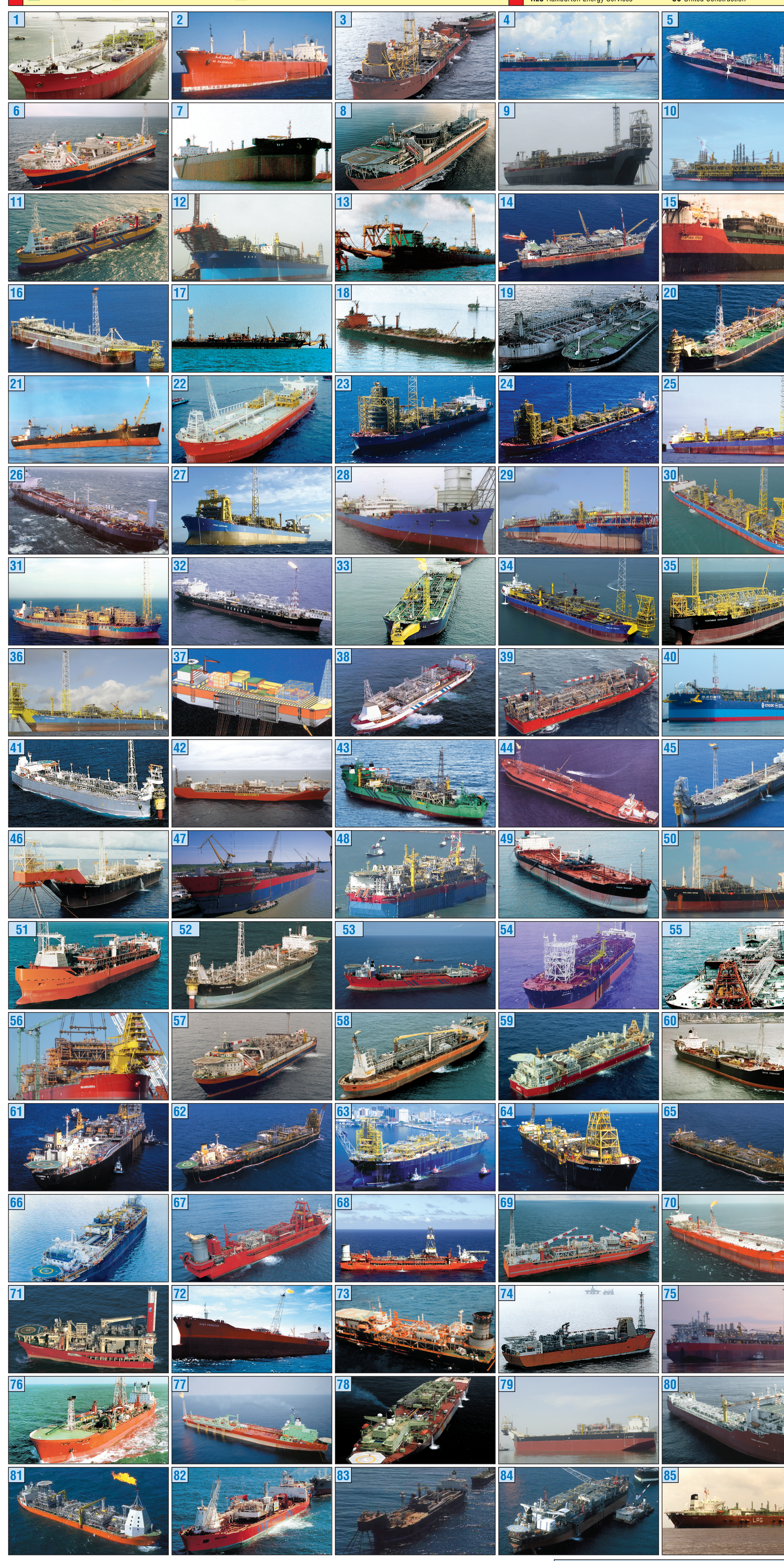
CONSTRUCTION TYPE
N-Newbuild C-Conversion

SOURCES:
1. Vendor and Contractor Data.
2. Oil & Gas Industry Publications.

STATUS
Construction · Conversion/ Modification · Operating - LPG FPU/FPSOs · Taking Bids · Operating · Available · Plan to Build

COMPANY ABBREVIATIONS

ABB Consortium-ABB/Astano/Coflexip/UiE
AESA-Astilleros Espanoles SA
AMKC-Aker Maritime Kiewit Contractors
APL-Advanced Production and Loading
APS-Apex Process Stems
BHP-BHP Billiton
CACT-CNOOC, Chevron, Agip
CNOOC-China National Offshore Oil Co.
CNRL-Canadian Natural Resources Ltd.
COOEC-China Offshore Oil Engineering Corporation
DD-Dry Docks
DNS-Dalian New Shipbuilding
FES-Flexible Engineering Solutions
FPS-Floating Production Stems
GSI-Gas Services International
HES-Halliburton Energy Services
HHI-Hyundai Heavy Industries
HI-Heavy Industries
IVI-Industrias Verolme Ishibras
KBR-Kellogg Brown & Root
KOS-Kiewit Offshore Services
LMC-London Marine Consultants
MAS Alliance-AMEC, SBM & Maersk Contractors
MHI-Mitsubishi Heavy Industries
NPDC-Nigerian Petroleum Development Co.
PGS-Petroleum Geo-Services
SBM-Single Buoy Mooring
Segen Consortium-Segen/Ishikawajima/Kure/Japão
UC-United Construction



FPSOs – Available, Operating, Under Construction, Undergoing Modifications/Conversions

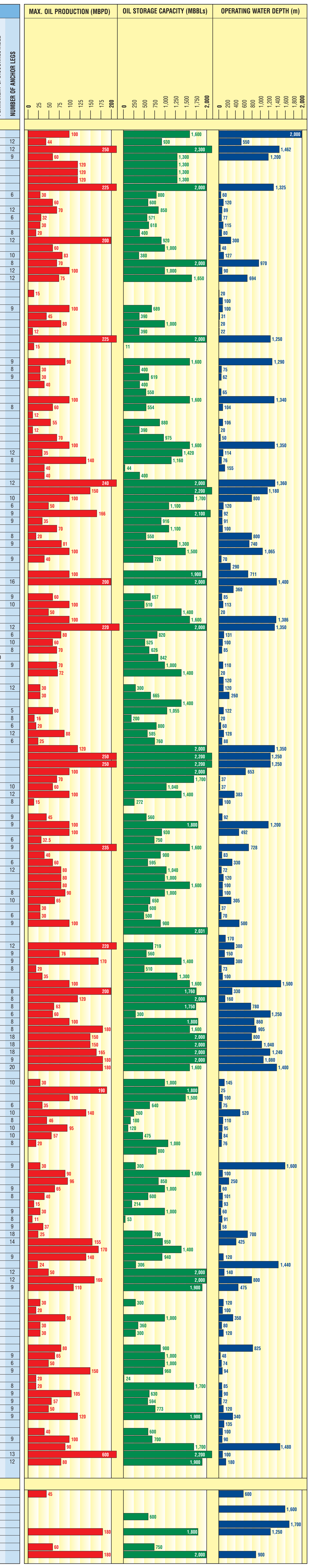
Item Number	Photo Number	Vessel Name & Status	FPSO Owner	FPSO Operator	Field Operator	Leased FPSO (Contractor Owned)	Lease Exp. Date/Lease Term (Yrs.)	Field or Location	Country	Reserves (MMBOE)	First Oil	Operating Water Depth (M)
1		ABALONE (BC-10)	SBM		Shell			Parque das Conchas (BC 10)	Brazil	400	2010	2,000
2	1	ABO	Prosafe Production	Prosafe Production	Nigerian Agip Exploration	L	8	Abo	Nigeria	82	April 2003	550
3		AGBAMI	Star Deep Water Petroleum (Chevron Subsidiary)	Chevron	Chevron			Agbami OPL 216, 217	Nigeria	770	1Q, 2008	1,462
4		AKER SMART 1 (f. Polar Alaska)	Aker Floating Production	Aker Kvaerner	Reliance	L	5+	MA 6D	India		2008	1,200
5		AKER SMART 2 (f. Polar California)	Aker Floating Production	Aker Kvaerner				Available			2008	TBD
6		AKER SMART 3	Aker Floating Production	Aker Kvaerner				Available			2009	TBD
7		AKER SMART 4	Aker Floating Production	Aker Kvaerner				Available			2009	TBD
8		AKPO	Total	Total	Total			Akpo OPL 246, OML-130	Nigeria	1,000	4Q, 2008	1,325
9	2	AL ZAAFARANA	Prosafe Production	Prosafe Production	Gemsa Petroleum Co.			Zaafarana Block BN 1	Egypt	41	Nov 1994	60
10		ALVHEIM	Marathon Oil		Marathon Petroleum			Alvheim Field	Norway	225	3Q/ 2007	120
11	3	ANASURIA	Shell	Shell	Shell			Teal, Teal South, Guillemot A, Cook	United Kingdom	119	Oct 1996	89
12	4	ANOA NATUNA	Premier Natuna Sea	Premier Natuna Sea	Premier Oil Natuna Sea			Anoa Block A	Indonesia	216	April 1990	77
13		AOKA MIZU	Bluewater	Nexen	Nexen	L	5	Ettrick Field, North Sea	United Kingdom	35	2008	115
14	5	ARMADA PERKASA	Bumi Armada Navigation/Care Off	Pertamina-PetroChina	Talisman Energy	L		Teluk Berau A, C	Indonesia	539	June 2005	80
15	6	ÅSGARD A	Statoil	Statoil	Statoil/Saga Petroleum			Åsgard	Norway	2,000	May 1999	300
16	7	BA VI	Vietsovpetro	Vietsovpetro	Vietsovpetro			Dragon Block 9/16	Vietnam		1993	48
17	8	BALDER	ESSO (ExxonMobil Subsidiary)	ESSO Norge	ESSO (ExxonMobil Subsidiary)			Balder	Norway	170	Oct 1999	127
18	9	BAOBAB IVOIRIEN (MV 10)	MODEC	MODEC International	CNRL International	L		Baobab	Cote d'Ivoire	677	Aug 2005	970
19	10	BELANAK NATUNA	Pertamina	ConocoPhillips	ConocoPhillips			Belanak West Natuna Block B	Indonesia		Oct 2004	90
20		BERGE HELENE	BW Offshore	Woodside	Woodside	L	7	Chinguetti Field	Mauritania	125	Feb 2006	694
21		BERGE HUGIN	BW	Enterprise	Enterprise	L		Pierce	United Kingdom			
22		BERGE OKOLOBA TORU	BW Offshore	Shell	Shell	L	10	Bonny River	Nigeria		2005	20
23		BERGE TROLL	BW Offshore	BW Offshore	Chevron	L		Malongo	Angola		1990	100
24	11	BLEO HOLM	Bluewater	Bluewater	Talisman	L		Ross, Parry, Blake	United Kingdom	138	Mar 1999	100
25		BOHAI MING ZHU	CNOOC	ConocoPhillips/CNOOC	ConocoPhillips/CNOOC			Penglai 19-3 Block 11/05	P.R. of China	103	Dec 2002	31
26	12	BOHAI SHI JI (BOHAI CENTURY)	CNOOC	CNOOC	CNOOC/Chevron/BP			Quinhuangdao 32-6	P.R. of China	155	Oct 2001	20
27	13	BOHAI YOU YI HAO	Bohai Oil/Japan China Oil Development	Japan China Oil Development	Japan China Oil Development			Bozhong 28-1	P.R. of China	191	Nov 2004	22
28	14	BONGA	Shell	Shell	Nigerian National Petroleum Corp			Bonga	Nigeria	1,000	Nov 2005	1,250
29		BOURBON OPALE		PEMEX	PEMEX	L		Various	Mexico			
30		BR FPSO (P-57 Phase 2)	Petrobras	Petrobras	Petrobras			Jubarte	Brazil	83	2010	
31	23	BRASIL	SBM	SBM	Petrobras	L	5.5 + 4	Roncador	Brazil	2,800	Dec 2002	1,290
32		BROTOJOYO		Berlian Laju Tanker	Pertamina/ PetroChina	L		Salawati	Indonesia			75
33		BUNGA KERTAS - LUKUT	Malaysian International Shipping	Petronas	Petronas	L		Penara	Malaysia		Apr 2004	62
34		BW CARMEN (EX - CRYSTAL SEA)	BW Offshore	BW Offshore				Available	Singpore			
35		CAKERAWALA	Saipem	Caigali	CTOC			Block A-18, Gulf of Thailand	Malaysia		2002	65
36	27	CAPIXABA	SBM	SBM	Petrobras	L		Golfinho	Brazil	150	May 2006	1,340
37	15	CAPTAIN	Chevron	AMEC	Chevron			Captain A, B, C	United Kingdom	350	Dec 1996	104
38		CENDOR	Global Process Systems		Petrofac	L	2 + OPT	Cendor	Malaysia	25	Sep 2006	
39	16	CHALLIS VENTURE	Coogee Resources	Coogee Resources	Newfield Australia (Ashmore Cartier)	L		Challis, Cassini	Australia	58	Dec 1989	106
40	17	CHANG QING HAO (CNOOC 102)	CNOOC	CNOOC	CNOOC			Bozhong 34/1	P.R. of China	83		20
41	18	CHI LINH	Vietsovpetro	Vietsovpetro	Vietsovpetro			White Tiger	Vietnam		1985	50
42		CIDADE DO RIO DE JANIERO	MODEC	MODEC	Petrobras	L		EVM: Espadarte, Voador, Marimba	Brazil		Jan 2007	1,350
43	19	CONKOUATI	CMS Nomeco Oil & Gas	CMS Nomeco Oil & Gas	CMS Nomeco Oil & Gas			Yombo	Congo	500		114
44	20	COSSACK PIONEER	North West Shelf Joint Venture	Woodside Energy	Woodside Energy			Cossack, Wanaea, Lambert, Hermes	Australia	545	Nov 1995	76
45		CRYSTAL OCEAN	SeaDrill	Seatankers Management	SeaDrill			Basker, Manta, Gummy (Blks VIC/RL 6, 9, 10)	Australia	30	Nov 2005	155
46		CRYSTAL SEA	BW Offshore									
47		DALIA	Total	Total	Total			Dalia Block 17	Angola	940	Aug 2006	1,360
48		ERHA	ExxonMobil	Esso	ExxonMobil			Niger Delta OPL 209	Nigeria	1,000	Apr 2006	1,180
49	24	ESPADARTE (f. FPSO VI)	SBM	SBM	Petrobras	L		Espadarte	Brazil	309	Aug 2000	800
50	22	ESPOIR IVOIRIEN	Prosafe	Prosafe	CNRL International	L		East Espoir, West Espoir	Cote d'Ivoire	105	Feb 2002	120
51	25	FALCON FPSO	SBM	SBM	ExxonMobil	L	6	Yoho	Nigeria	440		92
52		FARWAH (Note 4)	Palisser Shipping	Exmar Offshore	Total/Libyan National Oil	L		Al Jurf Block C137	Libya	148	Sept 2003	91
53		FEN JIN HAO	Nanhai West Oil Corp.	Nanhai West Oil Corp.	Nanhai West Oil Corp.			Ursa (Panyu 4-2), Bootes (Panyu 5-1)	P.R. of China	91	2004	100
54	26	FIRENZE	SBM/ Saipem	SBM/ Saipem	ENI Agip	L		Aquila	Italy	20		800
55	58	FLUMINENSE FPSO (Note 5)	Shell Oil Dobrazil	MODEC International	Shell Oil do Brazil			Bijupira, Salema	Brazil	201	Aug 2003	740
56		FRADE (f. Lu San VLCC)	Chevron	SBM	Chevron	L	3+	Frade Field, Block BC-10	Brazil	300	2009	1,065
57		FRONT PUFFIN	Frontline FPSO Ltd	NOPSA	AED Oil Limited	L	2+	Puffin Field, NW Australia	Australia		2007	70
58		GALOC FPSO (f. Rubicon Intrepid)	Rubicon Offshore	Galoc Production	Galoc Production Co.	L		Galoc	Philippines	24	1Q, 2008	290
59		GIMBOA	Sonangol	Sonangol	Sonangol			Gimboa	Angola	7	2008	711
60	37	GIRASSOL	Bouygues / Stolt	Bouygues / Stolt	Total			Girassol, Jasmim Block 17, Rosa (Future)	Angola	700	Dec 2001	1,400
61		GJOA	Norsk Hydro		Statoil			Camilla, Belinda, Fram B	Norway	3	2010	360
62	38	GLAS DOWR	Bluewater	Bluewater	PetroSA/Pioneer Natural Resources	L		Sable	South Africa	25	Aug. 14, 2003	85
63	39	GLOBAL PRODUCER III	Kerr-McGee & Partners	Kerr-McGee	Maersk O&G			Dumbarton	United Kingdom	150	Sept 2007	113
64	40	GLOBAL PRODUCER VIII (Note 6)	CNOOC/Kerr-McGee China Petroleum	Kerr-McGee China Petroleum	Kerr-McGee China Petroleum			Caofeidian 11-1, 11-2, 11-3, 11-5	P.R. of China	81	Jul. 20, 2004	20
65		GOLFINHO II (Cidade de Vitoria)	Saipem	Saipem	Petrobras	L	9 +3	Golfinho	Brazil		2008	1,386
66		GREATER PLUTONIO	BP	BP	BP			Greater Plutonio Fields (5), Block 18	Angola	1,000	2007	1,350
67	41	GRIFFIN VENTURE	BHP Billiton	BHP Billiton	BHP Billiton			Griffin, Chinook, Scindian	Australia	186	1994	131
68	42	GRYPHON A	Kerr-McGee & Partners	Kerr-McGee & Partners	Kerr-McGee & Partners			Gryphon, Maclure, Tullich	United Kingdom	213	Sep 1993	100
69	43	HAEWENE BRIM	Bluewater	Bluewater	Shell	L		Pierce	United Kingdom	238	Jan 1999	85
70		HAHNE KNUTSEN	Bluewater					Available	North Sea			
71		HAI YANG SHI YOU 111 (CNOOC 111)	Nanhai West Oil Corp.	Nanhai West Oil Corp.	Devon Energy China			Panyu 4/2, 5/1	P.R. of China	90	Oct. 8, 2003	110
72		HAI YANG SHI YOU 113	COOBC (CNOOC)	Chevron	CNOOC/Chevron			Bozhong 25-1	P.R. of China	300	Sep. 24, 2004	20
73		HIKARI ORIENT	Petrovietnam					Dai Hung	Vietnam		1995	120
74		HUMMINGBIRD	Sevan Marine	Sevan Marine	Venture Production	L	2.5	Chestnut Field	North Sea		3Q, 2007	120
75		IKDAM FPSO	Ikdam Production S.A. (Lundin Petroleum/PGS Joint Venture)	PGS Production	Lundin Petroleum			Oudna	Tunisia	12	Nov 2006	260
76		IMC-MODEC JV-1 FPSO	MODEC/IMC Holdings						Brazil		2007	
77	45	JABIRU VENTURE	Coogee Resources	Coogee Resources	Newfield Australia (Ashmore Cartier)	L		Jabiru	Australia	110	Aug 1986	122
78	28	JAMESTOWN FPSO	Trafigura	Alliance Marine Services	Trafigura	L		Avalible	Nigeria		Oct 2004	20
79	46	JASMINE VENTURE MV7	MODEC	MODEC	Pearl Energy	L		Jasmine	Thailand	196	June 2005	60
80	47	JOTUN A	ExxonMobil	ExxonMobil	ExxonMobil			Jotun	Norway	200	Oct 1999	128
81		KAKAP NATUNA	MODEC	Star Energy	Star Energy	L		KH, KF, KG, KRA, KRN, KG-5AX, KR, Nelayan	Indonesia		April 1986	88
82		KIKEH FPSO	SBM/GustoMSC	SBM/GustoMSC	Murphy Sahab Oil	L	8	Kikeh	Malaysia		Oct 2007	1,350
83	48	KIZOMBA "A"	ESSO (ExxonMobil Subsidiary)	ExxonMobil	ExxonMobil			Block 15	Angola	1,000	Aug 2004	1,250
84		KIZOMBA "B"	ExxonMobil	ExxonMobil	ExxonMobil			Kissanje, Dikanza	Angola		July 2005	1,250
85		KIZOMBA C #2	SBM and Partners	SBM and Partners	ExxonMobil	L	15	Saxi & Batugue Fields, Block 15	Angola	390	2Q, 2008	653
86		KNOCK ADOON	Fred.Olsen Production	Addax Petroleum	Addax Petroleum	L	8	Antan	Nigeria		Mid 2006	37
87	49	KNOCK TAGGART	Fred. Olsen Production		Addax Petroleum Development	L		OPL 98, Antan Terminal	Nigeria		Feb 1999	37
88	29	KUITO	SBM	OPS (JV - SBM & Sonagol)	Chevron	L		Kuito	Angola		Dec 1999	383
89	50	LANGSA VENTURE (MV 8)	MODEC	MODEC	Mitsui Oil Exploration	L		Langsa	Indonesia	16	Dec 2001	100
90		LPG	BW Offshore	BW Offshore				Singapor				
91	51	MAERSK CURLEW	Maersk Contractors (A.P. Moller Group)	Mearsk Contractors (A.P. Moller Group)	Shell	L		Curlew, Kyle	United Kingdom	98	July 2002	92
92	30	MARLIM SUL	SBM	SBM	Petrobras	L	8	Marlim Sul	Brazil	765	Jun 2004	1,200
93		MODEC VENTURE 11	MODEC	MODEC	Santos	L		Mutineer, Exeter, WA-191-P	Australia	101	Mar 2005	492
94	52	MODEC VENTURE I	MODEC	MODEC	ConocoPhillips	L						
95		MONDO (f. Capella)	Sonangol/SBM	SBM and Partners	ExxonMobil	L	15	Mondo Field, Block 15	Angola	260	Dec 2007	728
96		MONTARA VENTURE	TPOT	Coogee	Coogee	L	5	AC/RL3, Ashmore-Cartier	Australia	24	3Q, 2008	83
97	53	MUNIN	Bluewater	Statoil	Statoil	L		Lufeng 22-1	P.R. of China	42	Dec 1997	330
98	31	MYSTRAS	SBM/ Saipem	SBM/ Saipem	Agip	L	7	Okono & Okpono Fields	Nigeria	240	Jan 2004	72
99		NAN HAI ENDEAVOR	CNOOC	CNOOC	CNOOC	L		Wenchang 13-1, 13-2	P.R. of China	3	July 2002	120
100	55	NAN HAI FA XIAN	CNOOC	CNOOC	CACT	L		Huizhou 19-3-1	P.R. of China		Nov 1994	100
101		NAN HAI KAI TUO	SBM	SBM	ConocoPhillips	L		Xijing Block 24-3, 30-2	P.R. of China	100	2000	100
102	54	NAN HAI SHENG LI	CNOOC/BP Amoco Orient/Kerr-McGee	BP/CNOOC	BP/CNOOC			Liuhua 11-1	P.R. of China	107	Mar 1992	305
103		NAN HAI XI WANG (Note 2)	Nanhai West Oil Corp.	Nanhai West Oil Corp.	Nanhai West Oil Corp.			Weizhou 10-3	P.R. of China	205	1996	37
104	21	NEW ORLEANS - DIDON	Didon FPSO (Owned by field participants)		M.P. Zarat			Didon	Tunisia	32	1998	70
105	56	NGANHURRA	Woodside Energy	Woodside Energy	Woodside Energy			Enfield	Australia	145	July 2006	500
106		NISA	BW Offshore	BW Offshore				Malaysi				
107		N'KOSSA LPG FPU	Total	Total	TOTAL			N'Kossa	Congo		1996	170
108	57	NORNE	Statoil	Statoil	Statoil			Norne	Norway		1997	380
109	58	NORTH SEA PRODUCER (Note 3)	Mearsk Contractors (A.P. Moller Group)	ConocoPhillips	North Sea Production	L		MacCulloch	United Kingdom	114	Dec 2001	150
110	59	NORTHERN ENDEAVOUR	Woodside Energy	Woodside Energy	Woodside Energy			Laminaria, Corallina Field, Timor Sea	Australia	209	1994	380
111	60	OCEAN PRODUCER	Oceaneering International	Oceaneering International	Sonangol	L		Canuku: Nance Sul, Caama, Centro	Angola	28	Nov 2001	73
112		OLOWI	Fred. Olson Production		CNR	L	10	Olowi Field	Gabon		2008	100
113		OPPORTUNITY OIL	MODEC	MODEC	Petrobras	L	10	Campos Basin	Brazil		Q4, 2006	1,500
114	61	P-31	Petrobras	Petrobras	Petrobras			Albacora	Brazil	962	Aug 1988	330
115	62	P-32	Petrobras	Petrobras	Petrobras			Marlim	Brazil	704	June 1998	160
116	63	P-33	Petrobras	Petrobras	Petrobras			Marlim	Brazil	704	2002	780
117	64	P-34	Petrobras	Petrobras	Petrobras			Jubarte/ Espirito Santo	Brazil	600	Dec 2005	1,250
118	65	P-35	Petrobras	Petrobras	Petrobras			Marlim	Brazil	704	Aug 1999	860
119	66	P-37	Petrobras	Petrobras	Petrobras			Marlim	Brazil	704	July 2000	905
120		P-43	Petrobras	Petrobras	Petrobras			Barracuda	Brazil	639	Dec 2004	800
121		P-48	Petrobras	Petrobras	Petrobras			Caratinga	Brazil	451	Feb 2005	1,040
122		P-50	Petrobras	Petrobras	Petrobras			Albacora Leste	Brazil		Apr 2006	1,240
123		P-53 FPSO	CDC	Petrobras	Petrobras	L		Marlim Leste	Brazil		1Q, 2008	1,080
124		P-54 RONCADOR	Petrobras	Petrobras	Petrobras			Roncador	Brazil	2,000	Aug 2007	1,400
125		P-56								2010		
126	83	PEACE (WHARKAAROPA)	BW Offshore	BW	Shell Todd Oil Services			Bilabri Field	Nigeria	6		145
127		PENG LAI	CNOOC / ConocoPhillips	ConocoPhillips	ConocoPhillips			Penglai Block 19-3 (Phase 2), 25-6	P.R. of China	500	4Q, 2008	25
128		PEREGRINO	Maersk Contractors		Norsk Hydro			PEREGRINO	Brazil	400	2010	100
129	32	PERINTIS	Trenergy FPSO/Trenergy Malaysia	Trenergy FPSO	Petronas Carigali	L		MASA: Malong, Sotong, Anding	Malaysia		Apr 1999	75
130	67	PETROJARL FOINAVEN	Petroleum Geo-Services	PGS Production	BP	L		Foinaven, Foinaven East	United Kingdom	395	Nov 1997	520
131	68	PETROJARL I	Petroleum Geo-Services	PGS Production	Statoil	L		Glitne	Norway	50	Aug 2001	110
132	71	PETROJARL RAMFORM BANFF	Petroleum Geo-Services	PGS Production	CNRL	L		Banff	United Kingdom	82	Aug 1999	95
133	69	PETROJARL VARG	Petroleum Geo-Services	Saga	Saga	L		Varg	Norway		1999	84
134	70	PETROLEO NAUTIPA	Prosafe Production/Fred. Olsen	Prosafe Production	VAALCO	L		Etame (Moving to Avouma in 2Q, 2006)	Gabon		Mar 2002	76
135		PIONEER	BW Offshore	BW Offshore								
136		PIPA 2	Petrobras	Petrobras								
137		PIRANEMA	Sevan Marine	Sevan Marine	Petrobras	L		Piranema	Brazil	76	2007	1,600
138		POLVO	Prosafe	Prosafe	Devon	L	7	Polvo	Brazil	50	2007	100
139		PYRENEES	MODEC	BHP Billiton	BHP Billiton			Pyrenees	Australia	250	2010	250
140	33	RANG DONG I	Single Buoy Moorings/Mitsubishi	Single Buoy Moorings	Japan-Vietnam Petoleum	L	3 + 7	Rang Dong	Vietnam	359	Aug 1998	60
141		RAROA (f. Andaman Sea)	TPOT	Horizon Oil	OMV	L		Maari	New Zealand	50	2008	101
142		RIO das OSTRAS			Petrobras			Badejo	Brazil		2008	93
143	72	RUBY PRINCESS	Petroleum Technical Service (Note 10)	MODEC	PetroVietnam E&P			Ruby	Vietnam	140	Oct 1998	60
144	73	SAN JACINTO	Oceaneering International	Oceaneering International	Conoco Indonesia	L		Sembilang	Indonesia		1994	91
145	85	SANHA LPG FPSO	Chevron	Chevron	Chevron	L		Sanha-Bomboco	Angola		2Q, 2005	58
146		SAO MATEUS	Prosafe	Prosafe	Petrobras	L		Camarupim	Brazil	280	2008	700
147	74	SCHIEHALLION	Schiehallion Partners	BP	BP			Schiehallion	United Kingdom	190	July 1998	425
148	75	SEA EAGLE (EA FPSO)	Shell Petroleum Development Nigeria	Shell Petroleum Dev. Nigeria	Shell Petroleum Development Nigeria							
149		SEA ROSE	Husky Energy	Mearsk Contractors	Husky Energy			White Rose	Canada	440	Nov 2005	120
150	76	SEILLEAN	Frontier Drilling do Brazil	Petrobras	Petrobras	L		Espirito Santo	Brazil	615	Feb 2006	1,440
151	77	SENDJE BERGE	BW Offshore	BW Offshore	Addax Petroleum Development	L	4	Okwori, Okwori South	Nigeria	40	Mar 2005	140
152	78	SENDJE CEIBA	BW Offshore	Amerada Hess	Amerada Hess	L		Ceiba	Equatorial Guinea	356	Mar 2002	800
153	34	SERPENTINA	SBM	SBM	ExxonMobil	L		Zafiro	Equatorial Guinea	994	July 2003	475
154		SEVAN 650	Sevan Marine									
155		SEVAN VOYAGEUR	Sevan Marine	Sevan Marine	Oilexco	L	5	Shelley Field	UK - North Sea		2008	120
156		SIRI	Teekay / Petrogarl	Petrobras	Petrobras			SIRI	Brazil	275	2008	100
157		SKARV-IDUN	BP	BP	BP			Skarv-Indun	Norway	470	Jan 2010	350
158		SONG DOC	Truong Son Joint Operation Co.	MODEC	Truong Son Joint Operation Co.	L		Song Doc	Vietnam		2008	80
159		SSP No: 4	Sevan Marine	Sevan Marine	Venture Production	L	5	Pilot Field, UK	UK - North Sea	235	2009	120
160		SSP No: 5	Sevan Marine									
161		STYBARROW	MODEC	MODEC	BHP Billiton	L	15	Stybarrow	Australia		2008	825
162	79	SU TU DEN/CUULONG (MV9)	MODEC	MODEC	ConocoPhillips	L		Cuu Long Basin (Black Lion), Block 15-1	Vietnam	390	Oct 2003	48
163	35	TANTAWAN EXPLORER	SBM	SBM	Chevron	L	10	Tantawan	Thailand		Feb 1997	74
164	80	TERRA NOVA FPSO	Petro-Canada	Petro-Canada	Petro-Canada			Terra Nova	Canada	470	Jan 2002	94
165		TOISA PISCES			PEMEX				Mexico			
166	44	TRINITY SPIRIT (INDEPENDENCE)	Shebah Exploration & Production	Alliance Marine Services	Shebah Exploration & Production			Ukpokiti	Nigeria	48	1997	85
167	81	TRITON	Amerada Hess	Amerada Hess	Petro-Canada			Central Graben, Block 21/30, Guillemot Fields	United Kingdom	15	June 2005	90
168	82	UISGE GORM	Bluewater	Bluewater	Amerada Hess	L		Fife, Fergus, Flora, Angus	United Kingdom	108	Aug 1995	72
169		UMUROA	Prosafe	Prosafe	PEP 38460 Joint Venture (Note 8)	L	5	Tui, Amokura, Pateke	New Zealand	700	2007	120
170		VINCENT (f. Ellen Maersk)	Maersk	Maersk	Woodside	L	7	Vincent Field, W. Australia	Australia	60	3Q, 2008	340
171		WENCHANG II	CNOOC	CNOOC	CNOOC			Wenchang 8-3, 14-3, 15-1, 19-1	P.R. of China	83	4Q, 2007	135
172		WOOLLYBUTT	Vanguard Floating Production Australia/Premuda	Vanguard Floating Prod. Australia	ENI Agip	L		Woollybutt, Scalybutt	Australia	25	Apr 1999	100
173		XIJIANG	CNOOC	CNOOC	CNOOC			Xijiang 23-1	P.R. of China	40	2009	90
174	36	XIKOMBA	Sonasing	Sonasing	ExxonMobil	L	7	Xikomba	Angola	100	Oct 2003	1,480
175		YUUM K'AK' NAAB	BW Offshore	BW Offshore	Pemex	L		KuMaZu Field	Mexico	5	Q3, 2007	100
176	84	ZAFIRO PRODUCER	ExxonMobil/Devon Energy	ExxonMobil/Devon Energy	ExxonMobil/Devon Energy			Zafiro Block B	Equatorial Guinea	993	Aug 1996	180

Process and Storage Capacity (selected columns)

Item Number	Max. Oil Production (MBOPD)	Oil Storage Capacity (MBBLs)
1	100	1,600
2	44	930
3	250	2,300
4	60	1,300
5	120	1,300
6	120	1,300
7	120	1,300
8	225	2,000
9	30	800
10	60	600
11	70	850
12	32	571
13	30	618
14	20	400
15	200	920
16	60	1,000
17	83	380
18	70	2,000
19	100	1,000
20	75	1,650
21		
22	15	
23		
24	100	689
25	45	390
26	80	1,000
27	12	390
28	225	2,000
29	15	11
30	0	
31	90	1,600
32	30	400
33	30	619
34	40	400
35		550
36	100	1,600
37	60	554
38	12	
39	55	880
40	12	390
41	70	975
42	100	1,600
43	35	1,420
44	140	1,160
45	40	44
46	40	400
47	240	2,000
48	150	2,200
49	100	1,700
50	50	1,100
51	166	2,100
52	35	916
53	70	1,100
54	20	550
55	81	1,300
56	100	1,500
57	40	720
58		
59	100	1,900
60	200	2,000
61		
62	60	657
63	100	510
64	50	1,400
65	100	1,600
66	220	2,000
67	80	820
68	60	525
69	70	626
70		842
71	70	1,000
72	72	1,400
73		
74	30	300
75	30	665
76		1,400
77	60	1,055
78	16	200
79	20	800
80	88	585
81	25	760
82	120	2,000
83	250	2,200
84	250	2,200
85	100	2,000
86	70	1,700
87	60	1,040
88	100	1,400
89	15	272
90		
91	45	560
92	100	1,800
93	100	930
94	32.5	750
95	235	1,600
96	40	900
97	60	595
98	80	1,040
99	80	1,000
100	80	1,600
101	90	1,000
102	65	650
103	30	600
104	30	500
105	100	900
106		2,031
107		
108	220	719
109	76	560
110	170	1,400
111	20	510
112	35	1,300
113	100	1,600
114	200	1,760
115	120	2,000
116	63	1,750
117	60	300
118	100	1,800
119	180	1,600
120	150	2,000
121	150	2,000
122	165	2,000
123	180	2,000
124	180	1,600
125		
126	30	1,000
127	190	1,800
128	100	1,500
129	35	640
130	140	260
131	46	180
132	95	120
133	57	475
134	20	1,080
135		800
136		
137	30	300
138	90	1,600
139	96	850
140	65	1,000
141	40	600
142	15	214
143	30	1,000
144	11	53
145	37	
146	25	700
147	155	950
148	170	1,400
149	140	940
150	24	306
151	50	2,000
152	160	2,000
153	110	1,900
154		
155	30	300
156	20	
157	90	1,000
158	30	360
159	30	300
160		
161	80	900
162	65	1,000
163	50	1,000
164	150	960
165	20	24
166	20	1,700
167	105	630
168	57	594
169	50	773
170	120	1,900
171		
172	40	600
173	100	700
174	90	1,700
175	600	2,200
176	80	1,900

Fields To Be Developed with an FPSO

Item Number	Vessel Name & Status	FPSO Owner	FPSO Operator	Field Operator	Field or Location	Country	Reserves (MMBOE)	First Oil	Operating Water Depth (M)	Max. Oil Production (MBOPD)	Gas Processing (MMscfd)	Oil Storage Capacity (MBBLs)
1	AJE GTL FPSO	Syntroleum/Bluewater		Yinka	Aje	Nigeria	200	2008	600	45	200	
2	GINDUNGO, CANELA, GENGIBRE, COLA	Total			Block 32	Angola		2010				
3	PLATINO, CHUMBO AND CESIO	BP	BP	BP	Block 18	Angola		2010	1,600			
4	CRUX	Nexus Energy			Crux	Australia		2009			600	
5	GENDALO-GANDANG FPSO			Chevron	Gendalo	Indonesia	4		1,700			
6	P-57	Petrobras			Jubarte	Brazil		Dec 2009	1,250	180	20	1,800
7	POLE MIOCENE	Doris Engineering			Perpetua, Acacia, Zinia	Angola						
8	SOUTH PARS	Petroiran (Pedco)			South Pars, Persian Gulf	Iran				60		750
9	USAN/UKOT	Total	Total	Total	Usan	Nigeria	68	2010	900	180		2,000



NOTES:
1. *Seillean* has the ability to use gas for its own power production.
2. *Nan Hai Xi Wang* has disconnectable Riser Tower (Fixed) Mooring.
3. *The North Sea Producer* exports oil & gas via pipeline.
4. *Farwah* is only partly double-sided (i.e. not over entire cargo length).
5. World's Largest Turret.
6. Also known as *Hai Yang Shi You 112.*
7. This poster includes FPSOs that are either in operation, under construction, sanctioned, idle/stacked or decommissioned in 2007. It does not include FPSOs decommissioned prior to 2007.

Every attempt has been made to locate and contact all the FPSO owners operating around the world. No owner(s) or FPSO contractor(s) were intentionally excluded from the survey. In some cases the owner or vessel has not been included because information was not supplied in time. We have attempted to make the survey as complete and accurate as possible. However, we make no guarantee that it is all inclusive. The information was collected from company brochures, websites, personal interviews, phone interviews and in major part by owner-supplied data. Neither Mustang Engineering, L.P., nor Offshore Magazine guarantees or assumes any responsibility or liability for any reliance on the information presented.

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FPSO TOPSIDES DESIGN KIT
Tantawan Chevron Concept thru Detail Thailand
Agbami Chevron Design Verification Nigeria
Nsiko CVX PreFEED Nigeria
Bijupira & Selema Enterprise/Shell Concept thru Detail Brazil
Frade Chevron FEED Brazil
Su Tu Den ConocoPhillips Concept thru Detail Vietnam
Genaldo Unocal Concept/FEED Indonesia
Tui Prosafe Concept thru Detail New Zealand
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Sanha (LPG) Chevron Structural Detail Angola
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