

THE SHELL-BG GROUP TIE-UP: YES OR NO?

Research Fellow Abraham Hongze Lu prepared this case under the supervision of Professor Didier Cossin as a basis for class discussion rather than to illustrate either effective or ineffective handling of a business situation. On January 8, 2016, Standard Life, a major shareholder in both Royal Dutch Shell plc and BG Group, announced that it would vote No to a merger between Shell and BG at a Shell shareholder meeting to be held on January 27. "We have concluded that the proposed terms of the acquisition of BG are value-destructive for Shell shareholders," said David Cumming, head of equities at Standard Life Investments. The investor, with its 1.3% stake in BG, would take an unusual dual position – it would vote Yes at a BG shareholder meeting on January 28. Shell had to seek approval from at least 50% of its shareholders and BG Group would require the backing of 75% of its shareholders for the deal to go through. With investors nervous about Shell's shrinking profits in the previous quarter, the deal might not go through.

Shell had coveted BG's assets for years if not decades, but had not made an offer until April 2015, when the premium came down significantly after oil prices fell. Shell's rationale for the acquisition was clear. The transaction would enhance Shell's growth priorities – deepwater and liquefied natural gas (LNG). By 2018 Shell would control 61 million metric tons per annum (mmtpa), almost three times the volume of its next-largest competitor, Exxon, and 20% more than Qatar Petroleum. The deal made sense strategically, but some investors thought that a better way to spend billions was to invest in renewable energy and that Shell was paying too much.

In April 2015, Shell had offered to pay 0.4454 of its B shares and 383 pence in cash for each BG share in a deal valued at \$70 billion. The offer entailed a sizable 50% plus premium for the BG Group by assuming a \$90/bbl forward oil price. In the course of the next nine months, a drop of more than 30% in Shell's stock had cut the value of the deal to about \$52 billion. With oil prices in the low \$30s/bbl, the market was worried that Shell's view of the future was overoptimistic. Yet the deal won support from both boards, reflecting the divergent views on oil prices – Andrew Gould, chairman of BG Group, believed the current decline in the oil price had many similarities with the downturn of 1986. "The time necessary to bring supply and demand back into balance will likely depend on two things: some resumption of growth in demand and a slowdown in drilling in the USA," he said. It seemed that neither of the two trends would reverse direction in the near term.

Copyright © 2016 by **IMD** - **International Institute for Management Development**, Lausanne, Switzerland (www.imd.org). No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means without the prior written permission of **IMD**.

Gammel, Jason and Marc Kofler. "Royal Dutch Shell: Downgrade to Hold: Going Deep." Jefferies, April 14, 2015.

² Andrew Gould. BG Annual Report 2014.

To drum up support for the deal from shareholders, Shell promised to sell \$30 billion of assets from 2016 to 2018, cut capital spending, realize \$2.5 billion per year in pre-tax synergies accretive from 2018 onwards, launch a \$25 billion share buyback from 2017 to 2020, and continue paying a dividend in 2015 of \$1.88/share and maintain that level in 2016 (worth \$14 billion per year). This was a significant return to shareholders and a temptation hard to resist.

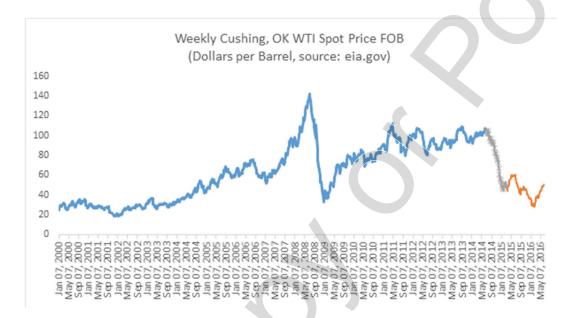
"Shell has made many bold promises in recent years that wound up being missed by a wide margin. For example, its previous target to grow production to 4 MMboe/day by 2017;³ the company wound up being unable to grow production at all. Shell has made some big mistakes in recent years: betting aggressively on shale gas and exploration while not possessing the requisite knowledge to effectively evaluate acreage it was purchasing, cost overruns at multiple megaprojects, and choosing not to aggressively restructure its downstream segment stand out as the most damaging ones," warned Morningstar.⁴

In the end, it all depended on the oil prices. Could Shell make good on its promises? Was it smart to make promises on fundamentals out of its control? Could this turn into a case of overpromising and underdelivering to investors? Was Shell overpaying for BG?

³ MMboe/day – million barrels of oil equivalent per day

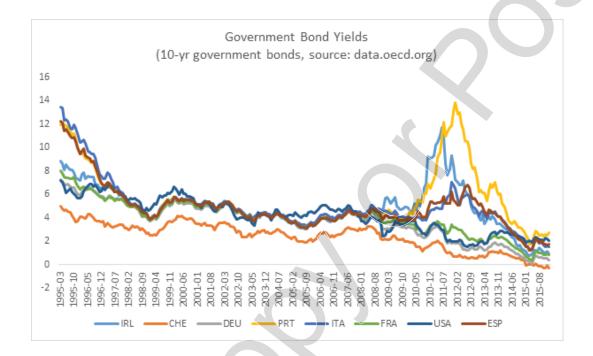
⁴ Bruss, Jed and Michael Dimler. "Royal Dutch Shell PLC: Credit Perspective." Morningstar Corporate Credit Research, April 24, 2015.

Appendix 1 Crude Oil WTI



Source: US Energy Information Administration, accessed June 2016. www.eia.gov.

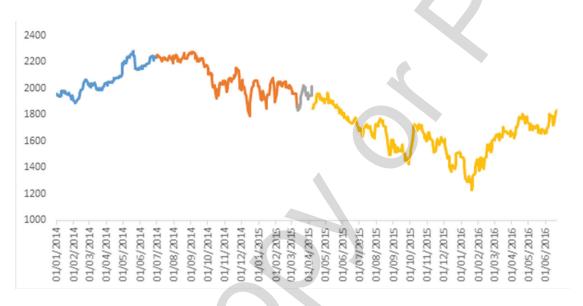
Appendix 2 Government Bond Yields



Source: OECD, accessed June 2016. https://data.oecd.org/interest/long-term-interest-rates.htm.

Appendix 3
Royal Dutch Shell Historical Share Prices in GBP

Royal Dutch Shell plc (RDSB.L)



Source: Yahoo Finance, accessed June 2016. https://finance.yahoo.com/.

Appendix 4 BG Group Historical Share Prices in GBP

BG Group plc



Source: Yahoo Finance, accessed June 2016. https://finance.yahoo.com/.

Appendix 5 Ben van Beurden

Born: April 23, 1958, Netherlands

Alma mater: Delft University of Technology, Master's in Chemical Engineering

Occupation: CEO, Royal Dutch Shell plc Family: Married with four children

Interests: Reading, running, traveling with his family

Ben van Beurden has been CEO of Royal Dutch Shell since January 1, 2014.

He joined the company in 1983, and for the next 20 years or so held a number of operational and commercial roles both upstream and downstream, in the Netherlands and abroad, in Malaysia, the UK, Mexico and the US. He spent one-third of his career in Shell's LNG business, which has become an important driver of the company's growth.

In January 2005, van Beurden became Vice President, Manufacturing Excellence, based in Houston, Texas. He was responsible for standards in operational excellence and high-performance initiatives in refining and chemicals manufacturing.

In December 2006, he was appointed Executive Vice President, Chemicals, based in London, UK. During this time, he served on the boards of a number of leading industry associations, including the International Council of Chemicals Associations (ICCA) and the European Chemical Industry Council.

From January to September 2013, van Beurden was Downstream Director with regional responsibility for Europe and Turkey. He has been a member of Shell's Executive Committee since January 2013.

Source: Company website, accessed August 2016; Bloomberg; Wikipedia

Appendix 6 Andrew Gould

Born: December 17, 1946, United Kingdom

Alma mater: University of Wales, Cardiff, degree in Economic History

Occupation: Non-Executive Chairman, BG Group

Family: Married with children

Interests: Cinema, reading, fly fishing

Andrew Gould became Non-Executive Chairman of BG Group in May 2012, having been on the board as a Non-Executive Director for a year. A month earlier, he stepped down as Chairman of Schlumberger Limited, a role he had held since 2003, along with the position of CEO. He retired as CEO in August 2011. Schlumberger is the world's largest oil and gas industry service provider with revenue of US\$35.5 billion in 2015 and 95,000 employees in 85 countries.

Gould joined Schlumberger in 1975, performing a variety of functions in finance and management, in Asia, Europe and the United States, including roles as President and Chief Operating Officer.

He served as a Non-Executive Director of Rio Tinto from 2002 to 2012. He was a member of the Prime Minister's Council of Science and Technology from 2004 to 2007.

Source: Company website; Wikipedia; various public sources

Appendix 7 Shell Board

Name	Current Position	Age	Since
Charles Holliday	Non-Executive Chairman of the Board	68	2015
Hans Wijers	Non-Executive Deputy Chairman of the Board, Senior Independent Director	65	2014
Ben van Beurden	Chief Executive Officer, Member of the Executive Committee, Director	58	2014
Simon Henry	Chief Financial Officer, Member of the Executive Committee, Director	55	2009
Guy Elliott	Non-Executive Director	60	2010
Euleen Goh	Non-Executive Director	61	2014
Gerard Kleisterlee	Non-Executive Director	69	2010
Nigel Sheinwald	Non-Executive Director	63	2012
Linda Stuntz	Non-Executive Director	61	2011
Patricia Woertz	Non-Executive Director	63	2014
Gerrit Zalm	Non-Executive Director	63	2013
Michiel Brandjes	General Counsel, Company Secretary	61	2005

Source: Company information. Shell Annual Report 2015 and corporate website.

Appendix 8 BG Board

Name	Position
Andrew Gould	Chairman
Helge Lund	Chief Executive (appointed 6 February 2015)
Simon Lowth	Chief Financial Officer
Sir John Hood	Senior Independent Director, Non-Executive Director
Vivienne Cox	Non-Executive Director
Pamela Daley	Non-Executive Director
Martin Ferguson	Non-Executive Director
Caio Koch-Weser	Non-Executive Director
Lim Haw-Kuang	Non-Executive Director
Sir David Manning	Non-Executive Director
Patrick Thomas	Non-Executive Director
Baroness Hogg	Non-Executive Director

Source: Company information. BG Group Annual Report and Accounts 2015

Appendix 9 Shell Offer for BG Group

Under the terms of the Combination, BG	Shareholders woul	d be entitled to rec	eive:
	Shell price	Shell Price	Shell Price
For each BG Share	April 7, 2015	April 8, 2015	Jan. 25, 2016
Cash (pence)	383.0	383.0	383.0
Shell B shares	0.4454	0.4454	0.4454
Shell B share price (Closing price)	2,208.5	2,019.0	1,402
Value of 0.4454 Shell B share (pence)	983.7	899.3	624.5
Cash plus Share (pence)	1,366.7	1,282.3	1,007.5
BG Group share price (Closing price)	895.5	1,134.1	981.7
Offer premium	52.6%	13.1%	3.1%
BG shares (million)	3,414.4	3,414.4	3,414.4
BG Equity Value (£m)	46,663.4	43,781.6	34,398.4
Exchange Rate	1.49	1.49	1.5
Total Value for BG Equity (\$m)	69,528.5	65,234.5	51,597.6
BG Year-End 2014 Net Debt (\$m)	11,998.0	11,998.0	11,998.0
BG Enterprise Value (\$m)	81,526.5	77,232.5	63,595.6

Source: IMD estimates and analysis based on company and market information

Appendix 10 BG Financial Results

Macro overview	2011	2012	2013	2014
Crude Oil price (\$/bbl) Brent	111.26	111.63	108.56	98.97
Henry Hub (\$/mmbtu)	4.1	2.75	3.73	4.39
BG E&P-production				
Total liquids production (kbd)	165	173	191	222
Total gas production (mmcfd)	2,856	2,904	2,652	2,310
Total oil & gas production (kboed)	641	657	633	607
BG: P&L overview (\$m)				
Upstream operating profit	5,520	5,489	4,967	3,947
LNG shipping and marketing operating profit	2,202	2,552	2,643	2,544
Other (including T&D)	487	412	6	46
Operating profit	8,209	8,453	7,616	6,537
Cash Flow (\$m)				
DD&A/Exploration Expense	2,584	2,932	3,349	3,036
Working capital	-574	-176	-413	979
Cash interest paid	-247	-541	-560	-556
Cash tax paid	-2,791	-2,720	-2,468	-2,616
Other	-242	-343	-120	-358
Net cash flow from ops	6,939	7,605	7,404	7,022
Capex	-10,300	-9,974	-10,605	-8,510
Free cash flow	-3,361	-2,369	-3,201	-1,488

Source: Company information. BG Group Annual Report and Accounts 2013 and 2014

Appendix 11 BG: Summary Net Asset Value Model at \$75/bbl LT

Exchange rate	1.5				
	Value	Value		Value/2P	% of total
Upstream	\$ million	GBP	2P reserves	reserves	EV
Australia domestic	407	271	182	2.24	0.51%
Bolivia	1,097	731	216	5.08	1.38%
Brazil Conc.	26,666	17,777	3,136	8.50	33.62%
Egypt	1,483	989	156	9.51	1.87%
India	921	614	78	11.81	1.16%
Kazakhstan	4,594	3,063	718	6.40	5.79%
Norway	1,212	808	36	33.67	1.53%
Tanzania	2,576	1,717	1,290	2.00	3.25%
Thailand	1,322	881	175	7.55	1.67%
Trinidad	1,335	890	305	4.38	1.68%
Tunisia	1,324	883	78	16.97	1.67%
United Kingdom	2,746	1,831	366	7.50	3.46%
US	1,480	987	372	3.98	1.87%
Subtotal	47,163	31,442	7,108	2.,, 0	59%
2 4 2 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	17,100	01,112	,,,200		6,7,0
LNG Plant/midstream					
Egypt Concession LNG	236	157			0.30%
Trinidad Concession LNG	1,083	722			1.37%
Australia QGC	21,419	14,279	1,268	16.89	27.01%
Kazakhstan - CPC pipeline	101	67	,		0.13%
Total Upstream value	70,002	46,668	8,376		88%
			-)		
LNG contracts (ex QGC)	6,143	4,095			7.75%
LNG Import terminals					
Lake Charles, USA – Access	0	0			0.00%
Elba Island, USA - Access	0	0			0.00%
Dragon, UK	1,320	880			1.66%
Subtotal	1,320	880			1.66%
Subtotal	1,520	000			1.00 /0
LNG Ships					
Own fleet	1,000	667			1.26%
Subtotal	1000	667			1.26%
					,
Transmission & Distribution					
CATS pipeline	0	0			0.00%
Mahanagar Gas	521	347			0.66%
Subtotal	521	347			0.66%
Power Plants					
BG Italia Power	240	160			0.30%
Condamine	84	56			0.11%
Subtotal	324	216			0.41%
Total Enterprise Value	79,310	52,873			
Net Debt end 2014	11,998	7,999			
Net Asset Value (\$m)	67,312	44,875			

Source: Herrmann, Lucas and Mark Bloomfield. "Recommended Offer for BG Group." April 8, 2015, Deutsche Bank Markets Research.

Appendix 12 BG: Summary Net Asset Value Model at \$90/bbl LT

Exchange rate	1.5				
Upstream	Value	Value	2P	Value/2P	% of total
Opstream	\$ million	GBP	reserves	reserves	EV
Australia domestic	1,958	1,305	199	9.84	2.03%
Bolivia	1,463	975	218	6.71	1.52%
Brazil Conc.	32,766	21,844	3,136	10.45	33.94%
Egypt	2,581	1,721	355	7.27	2.67%
India	1,005	670	81	12.41	1.04%
Kazakhstan	4,708	3,139	82.2	5.73	4.88%
Norway	1,227	818	39	31.46	1.27%
Tanzania	2,576	1,717	1,445	1.78	2.67%
Thailand	1,050	700	79	13.29	1.09%
Trinidad	1,135	757	322	3.52	1.18%
Tunisia	1,648	1,099	78	21.13	1.71%
United Kingdom	3,576	2,384	365	9.80	3.70%
US	1,302	868	373	3.49	1.35%
Subtotal	56,995	37,997	7,512		59%
LNG Plant/midstream	4				
Egypt Concession LNG	133	89			0.14%
Trinidad Concession LNG	1,045	697			1.08%
Australia QGC	21,419	14,279	1,250	17.14	22.19%
Kazakhstan - CPC pipeline	136	91	1,230	17.14	0.14%
Total Upstream value			8,762		
Total Opstream value	79,728	53,152	8,702		83%
LNG contracts (ex QGC)	13,646	9,097			14.14%
LNG Import					
Lake Charles, USA - Access	0	0			0.00%
Elba Island, USA - Access rights	0	0			0.00%
Dragon, UK	1,320	880			1.37%
Subtotal	1,320	880			1.37%
LNG Ships					
Own fleet	1,000	667			1.04%
Subtotal	1000	667			1.04%
Transmission & Distribution					
	0	0			0.00%
CATS pipeline Mahanagar Gas	521	347			0.54%
Subtotal	521	347			0.54%
Power Plants					
BG Italia Power S.p.A.(SERENE)	240	160			0.25%
Condamine	84	56			0.09%
Subtotal	324	216			0.34%
Total Enterprise Value	96,539	64,359			
Net Debt end 2014	11,998	7,999			
Net Asset Value (\$m)	84,541	56,361			
THE ASSET VALUE (DIII)	04,341	30,301			

Source: Herrmann, Lucas and Mark Bloomfield. "Recommended Offer for BG Group." April 8, 2015, Deutsche Bank Markets Research.

Appendix 13 Valuation: European Integrated Oils April 7, 2015

									Ī						1, 1		
Company	Price	Target	Rec	CCY	M. Cap US\$	2014e	EPS 2015e	2016e	2017e	2014e	PE 2015e	2016e	2017e	2014e	EV/DACF 2015e	2016e	2017e
DB Oil Price				199/\$		100	59.4	20	75								
Shell	2132	2425	Hold	ńs.	198.1	3.57	1.94	3.08	3.66	8.6	16.5	10.4	8.7	8.9	8.7	6.2	5.5
ВР	442	470	Buy	ńs\$	120.2	0.68	0.32	0.53	99.0	11.1	20.4	12.6	10	5.7	7.1	5.8	5.2
Total	46.37	48	Buy	EUR	116.6	4.24	3.49	4.4	5.13	10.9	13.3	10.5	6	10.4	6.3	5.5	2
Eni	16.24	16	Hold	EUR	62.9	1.02	0.65	1.05	1.3	15.9	24.9	15.4	12.5	6.1	6.1	5.4	4.7
Statoil	144	135	Hold	NOK	57.1	11.2	7.7	11.4	13.3	12.9	18.7	12.6	10.8	2	5.2	4.7	4.2
BG	851	1050	Buy	\$SN	43.2	1.21	0.42	T.	1.26	11.6	30.7	12.8	10.1	7.7	10.5	6.7	5.7
Repsol	17.53	20	Hold	EUR	26.4	1.27	0.86	1.09	1.23	13.9	20.4	16.1	14.2	10.8	6.4	5.5	5.1
OMV	26.09	24	Hold	EUR	9.1	3.48	1.85	3.2	3.55	7.5	14.1	8.1	7.3	4.6	5.4	4.5	4.2
Galp	10.2	10.75	Buy	EUR	9.1	0.44	0.34	0.38	0.53	23	30	26.8	19.3	25	20	3.1	-0.2
Sector					642.6	-4%	-39%	21%	21%	11.6	18.9	12.1	10	7.5	7.5	2.7	5.1
Majors					554.8	%8-	-36%	51%	20%	11.4	17.9	11.7	9.7	7	7.2	5.7	5.1
April 7, 2015							FCFY (ex A&D)	A&D)		4		1 A&D)		DY	Divi Payout		ND/ND+E
Company	Price	Target	Rec	CCY	M. Cap US\$	2014e	2015e	2016e	2017e	2014e		2016e	2017e	2015e	17e EPS	17e FCF	2014e
Shell	2132	2425	Hold	\$SN	198.1	2.9%	-1.2%	2.7%	%0.9	11.8%	-0.8%	3.9%	%9.7	2.9%	54.0%	102.0%	13.0%
ВР	442	470	Buy	ŲS\$	120.2	7.2%	3.9%	4.7%	7.5%	9.7%		%9.9	9.4%	%0.9	64.0%	82.0%	17.0%
Total	46.37	48	Buy	EUR	116.6	-4.8%	-0.5%	4.0%	6.4%	-4.0%		5.1%	7.4%	5.3%	48.0%	82.0%	28.0%
Eni	16.24	16	Hold	EUR	62.9	3.6%	1.5%	2.6%	6.2%	10.5%		2.6%	6.2%	4.9%	83.0%	81.0%	18.0%
Statoil	144	135	Hold	NOK	57.1	1.2%	-5.4%	0.2%	4.9%	6.2%		0.5%	4.9%	2.0%	54.0%	103.0%	19.0%
BG	851	1050	Buy	S\$	43.2	-1.8%	-2.2%	2.5%	6.3%	-0.4%	.0	6.1%	%6.9	1.5%	28.0%	29.0%	41.0%
Repsol	17.53	70	Hold	EUR	26.4	%6:9-	1.5%	4.0%	3.9%	13.4%	1.5%	4.0%	3.9%	5.7%	83.0%	%0.09	%0.9
OMV	26.09	24	Hold	EUR	9.1	-7.6%	2.3%	8.1%	10.1%	-1.5%	2.5%	8.1%	10.1%	4.8%	32.0%	47.0%	24.0%
Galp	10.2	10.75	Buy	EUR	9.1	-3.6%	-5.1%	%6:9	-1.6%	-3.6%	-5.1%	6.9%	-1.6%	4.1%	113.0%	na	34.0%
Sector					642.6	2.2%	-0.2%	3.5%	6.2%	6.7%	2.4%	4.4%	7.2%	5.3%	22.0%	84.0%	20.0%
Majors					554.8	3.2%	-0.1%	3.1%	6.3%	7.3%	2.0%	4.2%	7.5%	2.6%	26.0%	92.0%	18.0%
April 7, 2015							ROACE				Adjusted I		vth		NAV	P/NAV(\$75/bbl	(ldd
Company	P	Target	Rec	CCY	M. Cap US\$	2014e	2015e	2016e	2017e	2014e	2015e		2017e	\$90/bbl	\$75/bbl	×	Pm/(Disc)
Shell	2132	2425	Hold	NS\$	198.1	9.1%	4.8%	7.1%	8.0%	-3.8%	-1.8%	2.5%	4.4%	3565	2993	0.71	-1%
ВР		470	Buy) NS\$	120.2	9.1%	5.2%	7.9%	9.4%	-4.9%	1.6%	5.4%	1.4%	629	552	0.8	2%
Total	46.37	48	Buy	EUR	116.6	7.9%	6.4%	7.8%	8.7%	-1.0%	2.2%	9.3%	5.5%	62.09	53.02	0.87	15%
Eni	16.24	16	Hold	EUR	62.9	5.3%	3.7%	5.5%	6.5%	-0.8%	3.1%	7.7%	%0.0	26.09	22.95	0.71	-2%
Statoil	144	135	Hold	NOK	57.1	8.3%	5.3%	7.3%	8.0%	-1.7%	3.3%	%9.0	2.4%	2.63	198	0.73	-5%
BG	851	1050	Buy	\$SN	43.2	7.8%	0.8%	%9.0	0.8%	-4.3%	11.3%	21.6%	11.0%	1618	1281	99.0	-13%
Repsol	17.53	70	Hold	EUR	26.4	5.4%	4.2%	5.3%	%0.9	1.7%	6.3%	20.2%	8.5%	23.75	19.72	0.89	16%
OMV	26.09	24	Hold	EUR	9.1	5.2%	3.3%	2.0%	5.3%	7.3%	%0:0	7.8%	6.1%	45.78	39.84	0.65	-14%
Galp	10.2	10.75	Buy	EUR	9.1	4.8%	4.5%	5.5%	7.1%	28.0%	39.0%	80.8%	58.5%	14.67	12.54	0.81	7%
Sector					642.6	8.1%	4.8%	6.7%	2.6%	-2.2%	2.3%	7.5%	4.8%			0.76	
Majors					554.8	8.3%	5.2%	7.3%	8.3%	-2.9%	0.9%	4.9%	3.3%			0.77	

Source: Herrmann, Lucas and Mark Bloomfield. "Recommended Offer for BG Group." April 8, 2015, Deutsche Bank Markets Research.

Appendix 14 Valuation: European Integrated Oils – January 28, 2016

	2018e		4.2	Ç	4 ,	4.1	3.4	7.2	3.6	4.6	10.3	4.5	4.1	ND/ND+E	2015e	15.0%	19.0%	24.0%	25.0%	24.0%	22.0%	30.0%	27.0%	35.0%	21.0% 20.0%													
	2017e		4. r	2.0	4.6	4.5	3.8	8.7	3.9	4.7	13.3	5.2	4.7		17e FCF	109.0%	114.0%	81.0%	%0.06	154.0%	32.0%	78.0%	118.0%	na	96.0% 105.0%	ldd/s	Pm/(Disc)	-19%	%0	19%	1%	-10%	25%	-28%	-50%	17%		
	EV/DACF 2016e 2		2.0 C	 	5.1	5.5	3.7	10.6	4.2	4.9	16	9 6	0.0	Divi Payout	17e EPS 1	70.0%	84.0%	20.0%	82.0%	82.0%	41.0%	132.0%	48.0%	138.0%	71.0%	P/NAV(\$75/bbl	×	0.54	0.67	0.8	0.68	9.0	0.84	0.48	0.53	0.78	0.67	000
	2015e		7.1	0.2	5.5	1.1	4.1	14.6	9.9	4.3	16.7	7.3	0.0	DY	2015e	8.6%	7.3%	6.1%	6.1%	%2.9	1.2%	11.3%	5.4%	4.0%	6.6%	NAV	\$75/bbl	7690	543	50.18	19.39	1.77	1232	18.38	43.4	13.18		
	2018e		7.7	0 (6.9	10.3	10.6	13	4.4	8.8	16	9.6	0	1&D)	2018e	13.2%	11.7%	11.6%	8.8%	8.8%	7.5%	10.3%	5.2%	2.3%	10.8%	po	2018e	1.4%	2.1%	2.4%	2.5%	2.7%	11.0%	1.5%	2.5%	34.1%	3.5%	0/1:7
0, 202	2017e		8 7	7.1.7	8.7	14	12.6	18.2	11.4	8.9	23.8	11.1	OT .	FCFY (cum A&D)	2017e	11.0%	8.9%	8.9%	%6.9	4.4%	4.7%	%0.9	4.6%	0.4%	8.5% 8.9%	Adjusted Pr	2017e 20	3.6%	1.9%	8.9	0.5%	0.7%	9.7%	4.2%	2.5%	47.0%	4.8%	200
9anaar y 20, 2010	PE 2016e		10.2	13.5	7.67	17.8	16.3	26.1	15.9	8.6	23.3	14.3	17.7		2016e	2.5%	7.3%	5.4%	5.7%	%0.0	2.1%	0.1%	4.9%	-5.6%	4.8 8.4 % 8.8		2016e	7.5%	4.0%	6.2%	3.2%	1.2%	17.2%	30.5%	7.6%	38.8%	6.5%	2
	2015e		13	14.0	10.5	67.7	19.2	41.6	8.7	7.1	16	21.4	19.9		2015e	4.6%	6.2%	0.5%	-3.8%	4.9%	6.3 %	-71.2%	6.5%	1.1%	1.3% 3.0%		2015e	-2.4%	2.7%	9.5%	9.1%	3.4%	15.2%	54.8%	-1.9%	57.1%	7.5%	277
	2018e	20	3.05	0.00	5.78	1.28	10.1	1.19	2.03	2.63	0.64	42%	0/.07	&D)	2018e	10.0%	9.3%	10.1%	8.8%	8.8%	7.0%	10.3%	5.2%	2.3%	9.5% 9.6%		2018e	7.4%	10.1%	%6.6	89.9	6.7%	7.5%	4.3%	4.6%	8.7%	8.2%	200
	2017e	63	2.7	0.40	4.9	0.94	8.5	0.85	0.77	2.59	0.43	25%	2176	FCFY (ex A&D)	2017e	7.8%	6.5%	7.5%	%6.9	4.4%	4.3%	%0.9	4.6%	0.4%	%9.9 2.0%		2017e	%8.9	7.7%	8.7%	5.1%	2.7%	5.3%	3.4%	4.4%	6.7%	6.8%	0/1:/
	EPS 2016e	22	2.15	0.50	4.14	0.74	9.9	0.59	0.55	2.36	0.44	31%	000		2016e	2.9%	3.0%	2.9%	2.7%	%0.0	1.7%	0.1%	4.9%	-2.6%	3.0%	ROACE	2016e	2.6%	2.9%	7.8%	4.1%	4.6%	3.5%	2.8%	3.9%	6.2%	2.6%	200
	2015e	55.5	1.68	0.57	3.82	0.2	5.6	0.37	1.01	3.25	0.65	-32%	-41%		2015e	1.9%	1.4%	-2.4%	-3.8%	-3.1%	-3.1%	-14.0%	4.7%	1.1%	-1.0% -0.4%		2015e	4.5%	6.1%	7.3%	1.1%	4.0%	2.1%	3.7%	4.6%	6.4%	4.8%	0.1.0
	M. Cap		135.7	93.3	104.6	51.4	39.3	50.3	14	8.2	9.3	508.2	420.3		M. Cap	135.7	95.5	104.6	51.4	39.3	50.3	14	8.2	9.3	508.2 426.5		M. Cap	135.7	95.5	104.6	51.4	39.3	50.3	14	8.2	9.3	508.2	5034
	, CCV	qq/\$	0.55	¢ 0 1	EUR	EUR	NOK	\$SN	EUR	EUR	EUR				CCY	\$SN	NS\$	EUR	EUR	NOK	NS\$	EUR	EUR	EUR			CCY	SSN	NS\$	EUR	EUR	NOK	NS\$	EUR	EUR	EUR		
	Rec		Buy	buy	Buy	HO	Ho	Buy	Ho	Ho	Hol				Rec	Buy	Buy	Buy					Hol				Rec	Buy				Ho	Buy	Ho-	HO-	Но		
	Targe		2200	450	50	16	130	1355	13	26	10.75				Targe	2200	450	20	16	130	1355	13	26	10.75			Targe	2200	420	20	16	130	1355	13	26	10.75		
	Price		1463	200	40.1	13.1	107.	1030	8.83	23.1	10.3				Price	1463	363	40.1	13.1	107.	1030	8.83	23.1	10.3		2016	Price	1463	363	40.1	13.1	107.	1030	8.83	23.1	10.3		
	Company	DB Oil Price	Shell	ا <u>م</u>	lotal 7	Eni	Statoil	BG	Repsol	OMIV	Galp	Sector	Majors		Company	Shell	ВР	Total	Eni	Statoil	Bg	Repsol	OM/	Galp	Sector	January 28, 2016	Company	Shell	ВР	Total	Eni	Statoil	BG	Repsol	OMV	Galp	Sector	radol s

Source: Herrmann, Lucas and Tom Robinson. "Repsol Q4 trading (+), RDS/BG (+), Kosmos (+)." January 28, 2016, Deutsche Bank Markets Research.