

Securities Act 1997.

Section 115(2)(a).

Form 3.**NOTICE OF SUBSTANTIAL SHAREHOLDING.**

Note: To be given to the company, the stock exchange on which it is listed and the Securities Commission by a person who acquires a relevant interest in 5% or more of the voting shares of a listed company, within two days after the person becomes aware that they are a substantial shareholder. Use a separate form for each person that is a substantial shareholder.

1. Name of listed company. Oil Search Limited

Note: Insert the name of the listed company in which the substantial shareholding is held.

2. Name of stock exchange. Port Moresby Stock Exchange

Note: Insert the name of the stock exchange on which the company is listed.

3. Details of person that is a substantial shareholder.

Given names (natural persons only)	Surname or corporate name and registration number, if applicable	Residential address or address of registered office	Postal address
N/A	BlackRock, Inc.	55 East 52 nd Street New York, NY 10055 USA	55 East 52 nd Street New York, NY 10055 USA

4. Date substantial shareholding arose. 22 February 2017

Note: Insert the date on which the person named in Item 3 became a substantial shareholder in the listed company in Item 1, not the date on which the person became aware of the substantial shareholding.

5. Voting shares in which a relevant interest is held.

Number of Shares	% of shares in company
76,807,175	5.04%

Note: Insert the number and percentage of voting shares in which the person has a relevant interest as at the date in Item 4. The terms "voting shares" and "relevant interest" are defined in Sections 112 - 114 of the Act.

6. Total number of voting shares issued by the listed company.

1,522,692,587

Note: Insert the total number of voting shares issued by the listed company used for the purpose of calculating the percentage in Item 5.

7. Particulars of relevant interests.

	Details for class of shares	Details for class of shares
Class of voting shares in which relevant interest held.	Ordinary	
Name(s) of registered holder(s).	Please see "Registered Holder of Securities" in Annexure	
Brief description of the nature of the relevant interest in the voting shares.	Interest held through controlled companies which are investment managers with investment discretion and control of voting rights in relation to the relevant voting shares.	
Brief description of the transaction under which the relevant interests arose e.g: purchase on stock exchange.	Collateral transfer of shares increasing holding above 5%.	
Number of voting shares affected by the transaction.	1,595,304	
The consideration for the transaction (Kina).	N/A	
Name of the other party to the transaction (if known). *	In Specie Transaction – Collateral Transfer	
The consideration if any, paid for each relevant interest acquired in the previous 4 months.	Please see Annexure	

**This information is not required where the transaction took place on a stock exchange.*

Note: Where there is insufficient space on the form to supply the information required, use additional forms or annexe a separate sheet in the same format containing the information.

8. Details of other person(s) giving a notice for the same transaction.

Given names (natural persons only)	Surname or corporate name and registration number, if applicable	Residential address or address of registered office	Postal address
Not applicable	BlackRock, Inc.	55 East 52 nd Street, New York NY10055 USA	Same as registered office

Note: If known, insert the name and address of any other person(s) believed to have given, or to be intending to give, notice, whether a Form 3, 4 or 5, in relation to the transaction to which this notice relates. If not known, insert, "unknown".

9. Details of any associate who also has a relevant interest in the voting shares.

Given names (natural persons only)	Surname or corporate name and registration number, if applicable	Residential address or address of registered office	Postal address
Not applicable	BlackRock Inc.	55 East 52nd Street New York NY 10055 USA	Same as registered office
Not applicable	BlackRock (Netherlands) B.V.	Rembrandt Tower, 17th floor Amstelplein Amsterdam Netherlands	Same as registered office
Not applicable	BlackRock (Singapore) Limited	20 Anson Road #18-01 079912 Singapore	Same as registered office
Not applicable	BlackRock Advisors (UK) Limited	12 Throgmorton Avenue. London, EC2N 2DL, United Kingdom	Same as registered office
Not applicable	BlackRock Advisors, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Asset Management Canada Limited	161 Bay Street, Suite 2500 Toronto, Ontario M5J 2S1 Canada	Same as registered office
Not applicable	BlackRock Asset Management North Asia Limited	15/F, 16/F, 17/F Champion Tower & 17/F ICBC Tower, Three Garden Road, Central, Hong Kong	Same as registered office
Not applicable	BlackRock Capital Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Fund	400 Howard Street	Same as

	Advisors	San Francisco, CA, 94105 United States	registered office
Not applicable	BlackRock Institutional Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)	Same as registered office
Not applicable	BlackRock International Limited	Exchange Place One, 1 Sempie Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)	Same as registered office
Not applicable	BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)	Same as registered office
Not applicable	BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom	Same as registered office
Not applicable	BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)	Same as registered office

Nature of Association: The relevant interests are all held by investment managers which are indirect subsidiaries of BlackRock, Inc. and which have investment discretion over the voting shares and control the voting rights attaching to them.

Details of Relevant Interest of Associate: Interest held through controlled companies which are investment managers with investment discretion and control of voting rights in relation to the relevant voting shares.

Note: Provide the name and address of each associate of the person submitting this notice who has a relevant interest in voting shares in the company, and the nature of the association with the associate and the details of the relevant interest of the associate.

10. Prescribed particulars of any agreement under which substantial shareholding acquired.

Date of any agreement	Material terms of any agreement (whether written or oral)
Not applicable	Not applicable

Note: Provide the details of the material terms of any agreement, whether written or oral, and the details of the material terms of any relevant agreement through which a relevant interest, the subject of the notice, was acquired or otherwise arose. True copies of the documents must be submitted with this form.

11. The following documents must be submitted with this form—

- A. A true copy of any document setting out the material terms of any agreement that —
- (a) contributed to the person having to submit this form;
 - (b) is in writing or in a document in which the material terms of an oral agreement have been reduced to writing in accordance with Section 40(5)(c) of the Regulation; and
 - (c) is readily available to the person submitting the notice; or
- B. Where a document in Paragraph A is not readily available to the person submitting this form, a memorandum in writing detailing the material terms of the document.

The number of pages that accompany, or are annexed to, this notice is 14.

12. Declaration.

I declare that to the best of my knowledge and belief the information in this form is true and correct.

Signature:  _____

Full Name of Person Signing: Spencer Fleming

Role: Managing Director Date: 24 February 2017

Note: Where this notice is given by a body corporate it must be signed by a director or secretary who is authorised by the board of the body corporate to give the notice. Initials are not sufficient for the full name of the person signing this form.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		ord19,127	19,127	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord63,974	63,974	subsidiary of BlackRock Inc.
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord201,878	201,878	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ord10,200	10,200	subsidiary of BlackRock Inc.
BlackRock (Singapore) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SINGAPORE		ord379,341	379,341	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ord3,675,773	3,675,773	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM - J.P. Morgan Zurich		ord104,206	104,206	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - LONDON		ord754,900	754,900	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ord284,811	284,811	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-DEXIA BIL- LONDON		ord324,990	324,990	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET DUBLIN		ord5,160,941	5,160,941	subsidiary of BlackRock Inc.
BlackRock Advisors (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	STATE STREET BANK, MUNICH, ZURICH BRANCH		ord10,491	10,491	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ord3,749,644	3,749,644	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ord633,350	633,350	subsidiary of BlackRock Inc.
BlackRock Advisors, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN NEW YORK		ord140,951	140,951	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ord17,407	17,407	subsidiary of BlackRock Inc.
BlackRock Asset Management Canada Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ord609,949	609,949	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ord 500,703	500,703	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC, HONG KONG		ord 4,562	4,562	subsidiary of BlackRock Inc.
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ord 1,654	1,654	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 32,115	32,115	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ord 63,898	63,898	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	HSBC-HSBC - LONDON		ord 26,629	26,629	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ord 216,400	216,400	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ord 126,376	126,376	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	RBC-ROYAL TRUST - TORONTO		ord 86,073	86,073	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ord 18,048	18,048	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 58,421	58,421	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ord 212,090	212,090	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ord 68,503	68,503	subsidiary of BlackRock Inc.
BlackRock Fund Advisors	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ord 15,112,802	15,112,802	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ord 1,675,024	1,675,024	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ord 12,640	12,640	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	GS-GOLDMAN SACHS PRIME BROKER - NEW YORK		ord 8,143	8,143	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 227,491	227,491	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	MS-MORGAN STANLEY & CO INC		ord 25,943	25,943	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ord 528,124	528,124	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB BOSTON INSTITUTIONAL		ord 27,856	27,856	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ord 979,207	979,207	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ord 632,466	632,466	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ord 101,836	101,836	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ord 100,000	100,000	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET SACRAMENTO		ord 15,984,094	15,984,094	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	UBS- UBS- ZURICH		ord 19,688	19,688	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 95,580	95,580	subsidiary of BlackRock Inc.
BlackRock International Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ord 459,491	459,491	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JPM CHASE - SYDNEY		ord 989	989	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ord 2,583,698	2,583,698	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	Northern Trust Singapore		ord 507,233	507,233	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET AUSTRALIA		ord 50,207	50,207	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	AP7		ord 177,574	177,574	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNP-BNP Paribas Milan		ord 62,383	62,383	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		ord 190,799	190,799	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY EUROPE - LONDON		ord 537,287	537,287	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ord 7,454,653	7,454,653	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ord 40,600	40,600	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CB-CACEIS BANK LUXEMBOURG		ord 8,902	8,902	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, LONDON		ord 958,848	958,848	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 88,029	88,029	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	KAS-KAS BANK - AMSTERDAM		ord 313,142	313,142	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST CO. - CHICAGO		ord 72,003	72,003	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NT-NORTHERN TRUST UK		ord 1,050,390	1,050,390	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SEB-SKANDINAVISKA ENSKILDA BANKEN		ord 34,282	34,282	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ord 58,663	58,663	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ord 288,044	288,044	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, GERMANY		ord 84,534	84,534	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET LONDON		ord 456,430	456,430	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ord 29,687	29,687	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-THE BANK OF NEW YORK		ord 780,098	780,098	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 917,584	917,584	subsidiary of BlackRock Inc.
BlackRock Investment Management, LLC	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	USB-US BANK		ord 24,276	24,276	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 12,469	12,469	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 1,691,495	1,691,495	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	MITSUMI-SUMITOMO TRUST		ord 21,919	21,919	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-State Street Bank And Trust Co.		ord 1,622,641	1,622,641	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK, BOSTON		ord 19,839	19,839	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	CITI-Citigroup Australia - SYDNEY		ord 2,393	2,393	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	JPM-JPM CHASE - SYDNEY		ord 206,430	206,430	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as investment manager.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ord 798,422	798,422	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities held in its capacity as responsible entity.	JPM-JPM CHASE - SYDNEY		ord 2,113,442	2,113,442	subsidiary of BlackRock Inc.

This is Annexure B of 9 pages

OIL SEARCH LTD (OSH)							
Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected	
			Cash	Non-cash			
BlackRock Investment Management, LLC	24-Oct-16	yes	16.52	on mkt buy	ord	19,208	19,208
BlackRock Investment Management (UK) Limited	24-Oct-16	yes	16.52	on mkt buy	ord	48,973	48,973
BlackRock Investment Management (Australia) Limited	24-Oct-16	yes	16.28	on mkt buy	ord	3,675	3,675
BlackRock Advisors (UK) Limited	25-Oct-16	yes	16.32	on mkt buy	ord	406	406
BlackRock Fund Advisors	26-Oct-16	yes	15.91	on mkt buy	ord	9,764	9,764
BlackRock Fund Advisors	26-Oct-16	no	n/a	in specie	ord	20,800	20,800
BlackRock Advisors (UK) Limited	26-Oct-16	no	n/a	in specie	ord	21,920	21,920
BlackRock Advisors (UK) Limited	26-Oct-16	yes	15.91	on mkt buy	ord	3,547	3,547
BlackRock Advisors (UK) Limited	26-Oct-16	yes	15.91	on mkt buy	ord	1,300	1,300
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	ord	6,498	6,498
BlackRock Asset Management Canada Limited	27-Oct-16	yes	15.59	on mkt buy	ord	4,356	4,356
BlackRock Advisors (UK) Limited	27-Oct-16	yes	15.59	on mkt buy	ord	3,547	3,547
BlackRock Fund Advisors	27-Oct-16	yes	15.59	on mkt buy	ord	1,020	1,020
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	ord	530	530
BlackRock Fund Advisors	27-Oct-16	no	n/a	in specie	ord	31,430	31,430
BlackRock Investment Management, LLC	28-Oct-16	yes	15.77	on mkt buy	ord	21,527	21,527
BlackRock Investment Management, LLC	28-Oct-16	no	n/a	in specie	ord	9,944	9,944
BlackRock Advisors (UK) Limited	28-Oct-16	yes	15.77	on mkt buy	ord	3,548	3,548
BlackRock Advisors (UK) Limited	28-Oct-16	yes	15.77	on mkt buy	ord	2,275	2,275
BlackRock Investment Management (UK) Limited	28-Oct-16	no	n/a	in specie	ord	190,789	190,789
BlackRock Fund Advisors	28-Oct-16	no	n/a	in specie	ord	31,430	31,430
BlackRock Investment Management (UK) Limited	31-Oct-16	yes	15.57	on mkt buy	ord	14,508	14,508
BlackRock Fund Advisors	31-Oct-16	no	n/a	in specie	ord	6,012	6,012
BlackRock Fund Advisors	31-Oct-16	no	n/a	in specie	ord	530	530
BlackRock Investment Management (UK) Limited	31-Oct-16	yes	15.57	on mkt buy	ord	29,170	29,170
BlackRock Investment Management (UK) Limited	01-Nov-16	yes	15.76	on mkt buy	ord	19,526	19,526
BlackRock Advisors (UK) Limited	01-Nov-16	yes	15.76	on mkt buy	ord	5,372	5,372
BlackRock Advisors (UK) Limited	01-Nov-16	yes	15.76	on mkt buy	ord	1,500	1,500
BlackRock Advisors (UK) Limited	01-Nov-16	yes	15.76	on mkt buy	ord	1,218	1,218
BlackRock Financial Management, Inc.	01-Nov-16	yes	15.76	on mkt buy	ord	3,125	3,125
BlackRock Investment Management, LLC	02-Nov-16	no	n/a	in specie	ord	24,271	24,271
BlackRock Investment Management, LLC	02-Nov-16	no	n/a	in specie	ord	24,383	24,383
BlackRock Fund Advisors	02-Nov-16	yes	15.59	on mkt buy	ord	9,896	9,896
BlackRock Fund Advisors	02-Nov-16	no	n/a	in specie	ord	15,330	15,330
BlackRock Advisors (UK) Limited	02-Nov-16	yes	15.59	on mkt buy	ord	3,575	3,575
BlackRock Advisors (UK) Limited	02-Nov-16	yes	15.59	on mkt buy	ord	808	808
BlackRock Advisors (UK) Limited	03-Nov-16	yes	15.76	on mkt buy	ord	8,787	8,787
BlackRock Advisors (UK) Limited	03-Nov-16	yes	15.76	on mkt buy	ord	5,428	5,428
BlackRock Advisors (UK) Limited	03-Nov-16	yes	15.76	on mkt buy	ord	3,546	3,546
BlackRock Advisors (UK) Limited	03-Nov-16	yes	15.76	on mkt buy	ord	325	325
BlackRock Investment Management, LLC	03-Nov-16	yes	15.76	on mkt buy	ord	5,352	5,352
BlackRock Fund Advisors	03-Nov-16	no	n/a	in specie	ord	31,430	31,430
BlackRock Fund Advisors	04-Nov-16	no	n/a	in specie	ord	12,024	12,024
BlackRock Advisors (UK) Limited	04-Nov-16	yes	14.90	on mkt buy	ord	2,686	2,686
BlackRock Asset Management North Asia Limited	07-Nov-16	no	n/a	collateral transfer	ord	20	20
BlackRock Fund Advisors	07-Nov-16	no	n/a	in specie	ord	12,024	12,024
BlackRock Advisors (UK) Limited	07-Nov-16	yes	15.85	on mkt buy	ord	7,092	7,092
BlackRock Advisors (UK) Limited	07-Nov-16	yes	15.85	on mkt buy	ord	3,900	3,900
BlackRock Investment Management (Australia) Limited	08-Nov-16	yes	16.15	on mkt buy	ord	7,890	7,890
BlackRock Investment Management (UK) Limited	08-Nov-16	yes	16.15	on mkt buy	ord	30,700	30,700
BlackRock Investment Management (Australia) Limited	08-Nov-16	yes	16.15	on mkt buy	ord	5,094	5,094

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected	
			Cash	Non-cash			
BlackRock Advisors (UK) Limited	09-Nov-16	yes		15.37 on mkt buy	ord	2,689	2,689
BlackRock Asset Management North Asia Limited	10-Nov-16	no	n/a	collateral transfer	ord	10	10
BlackRock Financial Management, Inc.	10-Nov-16	yes		15.63 on mkt buy	ord	49,888	49,888
BlackRock Advisors (UK) Limited	10-Nov-16	yes		15.63 on mkt buy	ord	652	652
BlackRock Advisors (UK) Limited	10-Nov-16	yes		15.63 on mkt buy	ord	1,203	1,203
BlackRock Investment Management, LLC	10-Nov-16	yes		15.63 on mkt buy	ord	2,003	2,003
BlackRock Fund Advisors	10-Nov-16	no	n/a	in specie	ord	37,716	37,716
BlackRock Fund Advisors	11-Nov-16	no	n/a	in specie	ord	6,012	6,012
BlackRock Advisors (UK) Limited	11-Nov-16	yes		15.05 on mkt buy	ord	10,760	10,760
BlackRock Advisors (UK) Limited	11-Nov-16	yes		15.05 on mkt buy	ord	3,546	3,546
BlackRock Advisors (UK) Limited	11-Nov-16	yes		15.05 on mkt buy	ord	1,304	1,304
BlackRock Investment Management (UK) Limited	11-Nov-16	no	n/a	in specie	ord	12,473	12,473
BlackRock Fund Advisors	14-Nov-16	no	n/a	in specie	ord	11,495	11,495
BlackRock Advisors (UK) Limited	14-Nov-16	yes		15.02 on mkt buy	ord	10,748	10,748
BlackRock Advisors (UK) Limited	14-Nov-16	yes		15.02 on mkt buy	ord	2,721	2,721
BlackRock Advisors (UK) Limited	14-Nov-16	yes		15.02 on mkt buy	ord	4,564	4,564
BlackRock Advisors (UK) Limited	14-Nov-16	yes		15.02 on mkt buy	ord	596	596
BlackRock Institutional Trust Company, National Association	14-Nov-16	no	n/a	in specie	ord	19,587	19,587
BlackRock Fund Advisors	15-Nov-16	no	n/a	in specie	ord	5,205	5,205
BlackRock Advisors (UK) Limited	15-Nov-16	yes		15.30 on mkt buy	ord	5,442	5,442
BlackRock Fund Advisors	15-Nov-16	no	n/a	in specie	ord	530	530
BlackRock Investment Management (UK) Limited	16-Nov-16	yes		15.65 on mkt buy	ord	29,400	29,400
BlackRock Fund Advisors	16-Nov-16	yes		15.65 on mkt buy	ord	10,590	10,590
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	ord	4,164	4,164
BlackRock Fund Advisors	16-Nov-16	no	n/a	in specie	ord	5,205	5,205
BlackRock Advisors (UK) Limited	16-Nov-16	yes		15.65 on mkt buy	ord	2,695	2,695
BlackRock Advisors (UK) Limited	16-Nov-16	yes		15.65 on mkt buy	ord	10,780	10,780
BlackRock Advisors (UK) Limited	16-Nov-16	yes		15.65 on mkt buy	ord	620	620
BlackRock Investment Management (Australia) Limited	16-Nov-16	yes		15.65 on mkt buy	ord	2,754	2,754
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	8,596	8,596
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	98,018	98,018
BlackRock Fund Advisors	17-Nov-16	no	n/a	in specie	ord	17,782	17,782
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	5,390	5,390
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	8,202	8,202
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	7,092	7,092
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	7,092	7,092
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	77,220	77,220
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	1,956	1,956
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	1,240	1,240
BlackRock Advisors (UK) Limited	17-Nov-16	yes		15.58 on mkt buy	ord	2,790	2,790
BlackRock Fund Advisors	18-Nov-16	no	n/a	in specie	ord	1,953	1,953
BlackRock Advisors (UK) Limited	18-Nov-16	yes		15.73 on mkt buy	ord	8,202	8,202
BlackRock Advisors (UK) Limited	18-Nov-16	yes		15.73 on mkt buy	ord	35,542	35,542
BlackRock Advisors (UK) Limited	18-Nov-16	yes		15.73 on mkt buy	ord	502	502
BlackRock Investment Management (Australia) Limited	18-Nov-16	yes		15.73 on mkt buy	ord	654	654
BlackRock Advisors (UK) Limited	21-Nov-16	no	n/a	in specie	ord	11,929	11,929
BlackRock Investment Management (UK) Limited	21-Nov-16	no	n/a	in specie	ord	11,980	11,980
BlackRock Advisors (UK) Limited	21-Nov-16	yes		15.74 on mkt buy	ord	10,780	10,780
BlackRock Advisors (UK) Limited	22-Nov-16	yes		16.35 on mkt buy	ord	2,695	2,695
BlackRock Advisors (UK) Limited	22-Nov-16	yes		16.35 on mkt buy	ord	3,544	3,544
BlackRock Advisors (UK) Limited	22-Nov-16	yes		16.35 on mkt buy	ord	1,956	1,956
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	ord	6,510	6,510
BlackRock Fund Advisors	23-Nov-16	no	n/a	in specie	ord	1,953	1,953
BlackRock Advisors (UK) Limited	23-Nov-16	yes		16.60 on mkt buy	ord	7,088	7,088
BlackRock Advisors (UK) Limited	23-Nov-16	yes		16.60 on mkt buy	ord	654	654
BlackRock Advisors, LLC	23-Nov-16	no	n/a	in specie	ord	156,701	156,701
BlackRock Fund Advisors	25-Nov-16	no	n/a	in specie	ord	9,414	9,414
BlackRock Advisors (UK) Limited	25-Nov-16	yes		16.02 on mkt buy	ord	7,516	7,516
BlackRock Investment Management (Australia) Limited	28-Nov-16	yes		15.68 on mkt buy	ord	457	457
BlackRock Japan Co., Ltd.	28-Nov-16	yes		15.68 on mkt buy	ord	12,112	12,112
BlackRock Advisors (UK) Limited	28-Nov-16	yes		15.68 on mkt buy	ord	1,244	1,244
BlackRock Fund Advisors	29-Nov-16	no	n/a	in specie	ord	8,368	8,368
BlackRock Advisors (UK) Limited	29-Nov-16	yes		15.34 on mkt buy	ord	2,696	2,696
BlackRock Advisors (UK) Limited	29-Nov-16	yes		15.34 on mkt buy	ord	24,801	24,801
BlackRock Advisors (UK) Limited	29-Nov-16	yes		15.34 on mkt buy	ord	1,635	1,635
BlackRock Advisors (UK) Limited	29-Nov-16	yes		15.34 on mkt buy	ord	933	933
BlackRock Fund Advisors	29-Nov-16	no	n/a	in specie	ord	31,430	31,430

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected	
			Cash	Non-cash			
BlackRock Advisors (UK) Limited	30-Nov-16	no	n/a	in specie	ord	51,462	51,462
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	14.81	on mkt buy	ord	18,236	18,236
BlackRock Japan Co., Ltd.	30-Nov-16	yes	14.81	on mkt buy	ord	3,971	3,971
BlackRock Asset Management Canada Limited	30-Nov-16	yes	14.81	on mkt buy	ord	38,054	38,054
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	14.81	on mkt buy	ord	22,492	22,492
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	14.81	on mkt buy	ord	159,618	159,618
BlackRock Asset Management Canada Limited	30-Nov-16	yes	14.81	on mkt buy	ord	952	952
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	14.81	on mkt buy	ord	73,707	73,707
BlackRock Advisors (UK) Limited	30-Nov-16	yes	14.81	on mkt buy	ord	12,188	12,188
BlackRock Advisors (UK) Limited	30-Nov-16	yes	14.81	on mkt buy	ord	3,545	3,545
BlackRock Advisors (UK) Limited	30-Nov-16	yes	14.81	on mkt buy	ord	21,975	21,975
BlackRock Fund Advisors	30-Nov-16	yes	14.81	on mkt buy	ord	177	177
BlackRock Advisors (UK) Limited	30-Nov-16	yes	14.81	on mkt buy	ord	36,368	36,368
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	14.81	on mkt buy	ord	1,639	1,639
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	14.81	on mkt buy	ord	11,634	11,634
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	14.81	on mkt buy	ord	16,422	16,422
BlackRock International Limited	30-Nov-16	yes	14.81	on mkt buy	ord	29,731	29,731
BlackRock Investment Management (UK) Limited	30-Nov-16	yes	14.81	on mkt buy	ord	76,430	76,430
BlackRock Institutional Trust Company, National Association	30-Nov-16	yes	14.81	on mkt buy	ord	65,771	65,771
BlackRock Institutional Trust Company, National Association	01-Dec-16	yes	16.19	on mkt buy	ord	75,884	75,884
BlackRock Japan Co., Ltd.	02-Dec-16	yes	16.01	on mkt buy	ord	317	317
BlackRock Fund Advisors	02-Dec-16	no	n/a	in specie	ord	10,460	10,460
BlackRock Fund Advisors	02-Dec-16	yes	16.01	on mkt buy	ord	10,349	10,349
BlackRock Fund Advisors	02-Dec-16	no	n/a	in specie	ord	1,675	1,675
BlackRock Japan Co., Ltd.	05-Dec-16	yes	15.96	on mkt buy	ord	317	317
BlackRock Fund Advisors	06-Dec-16	no	n/a	in specie	ord	1,953	1,953
BlackRock Fund Advisors	06-Dec-16	no	n/a	in specie	ord	3,906	3,906
BlackRock Advisors (UK) Limited	06-Dec-16	yes	16.08	on mkt buy	ord	16,350	16,350
BlackRock Investment Management (UK) Limited	06-Dec-16	yes	16.08	on mkt buy	ord	21,809	21,809
BlackRock Institutional Trust Company, National Association	06-Dec-16	yes	16.08	on mkt buy	ord	10,525	10,525
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	ord	5,230	5,230
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	ord	15,690	15,690
BlackRock Investment Management (Australia) Limited	07-Dec-16	yes	16.09	on mkt buy	ord	9,800	9,800
BlackRock Advisors (UK) Limited	07-Dec-16	yes	16.09	on mkt buy	ord	49,602	49,602
BlackRock Institutional Trust Company, National Association	07-Dec-16	no	n/a	in specie	ord	18,609	18,609
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	ord	25,084	25,084
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	ord	25,084	25,084
BlackRock Fund Advisors	07-Dec-16	no	n/a	in specie	ord	18,813	18,813
BlackRock Advisors, LLC	08-Dec-16	yes	16.32	on mkt buy	ord	2,100	2,100
BlackRock Institutional Trust Company, National Association	09-Dec-16	yes	16.27	on mkt buy	ord	5,090	5,090
BlackRock Investment Management (Australia) Limited	09-Dec-16	yes	16.27	on mkt buy	ord	2,195	2,195
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	ord	1,602	1,602
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	ord	4,188	4,188
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	ord	1,388	1,388
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	ord	2,779	2,779
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	ord	3,687	3,687
BlackRock Investment Management (UK) Limited	09-Dec-16	no	n/a	in specie	ord	2,922	2,922
BlackRock Advisors (UK) Limited	09-Dec-16	no	n/a	collateral transfer	ord	2,547,517	2,547,517
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	ord	15,716	15,716
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	ord	10,460	10,460

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected	
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BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	ord	7,524	7,524
BlackRock Advisors (UK) Limited	09-Dec-16	yes	16.27	on mkt buy	ord	2,784	2,784
BlackRock Fund Advisors	09-Dec-16	no	n/a	in specie	ord	18,813	18,813
BlackRock Advisors, LLC	12-Dec-16	yes	16.38	on mkt buy	ord	3,000	3,000
BlackRock Fund Advisors	12-Dec-16	no	n/a	in specie	ord	2,508	2,508
BlackRock Advisors (UK) Limited	12-Dec-16	yes	16.62	on mkt buy	ord	2,725	2,725
BlackRock Advisors (UK) Limited	12-Dec-16	yes	16.62	on mkt buy	ord	2,701	2,701
BlackRock Fund Advisors	12-Dec-16	no	n/a	in specie	ord	429	429
BlackRock Japan Co., Ltd.	13-Dec-16	no	n/a	collateral transfer	ord	611	611
BlackRock Financial Management, Inc.	13-Dec-16	no	n/a	collateral transfer	ord	1,318	1,318
BlackRock Investment Management, LLC	13-Dec-16	no	n/a	collateral transfer	ord	5,210	5,210
BlackRock Investment Management (UK) Limited	13-Dec-16	no	n/a	collateral transfer	ord	13,985	13,985
BlackRock Asset Management North Asia Limited	13-Dec-16	no	n/a	collateral transfer	ord	1,755	1,755
BlackRock Fund Advisors	13-Dec-16	no	n/a	in specie	ord	7,322	7,322
BlackRock Fund Advisors	13-Dec-16	no	n/a	in specie	ord	5,080	5,080
BlackRock Investment Management (Australia) Limited	13-Dec-16	yes	16.67	on mkt buy	ord	264	264
BlackRock Advisors (UK) Limited	14-Dec-16	no	n/a	collateral transfer	ord	952,265	952,265
BlackRock Institutional Trust Company, National Association	14-Dec-16	no	n/a	in specie	ord	15,070	15,070
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	ord	27,503	27,503
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	ord	10,460	10,460
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	ord	13,598	13,598
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	ord	6,350	6,350
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	ord	5,016	5,016
BlackRock Advisors (UK) Limited	14-Dec-16	yes	16.27	on mkt buy	ord	1,240	1,240
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	ord	429	429
BlackRock Fund Advisors	14-Dec-16	no	n/a	in specie	ord	9,243	9,243
BlackRock Institutional Trust Company, National Association	15-Dec-16	yes	15.75	on mkt buy	ord	5,545	5,545
BlackRock Investment Management (Australia) Limited	15-Dec-16	yes	15.75	on mkt buy	ord	112,563	112,563
BlackRock Japan Co., Ltd.	15-Dec-16	no	n/a	collateral transfer	ord	22,416	22,416
BlackRock Financial Management, Inc.	15-Dec-16	no	n/a	collateral transfer	ord	50,161	50,161
BlackRock Investment Management, LLC	15-Dec-16	no	n/a	collateral transfer	ord	192,334	192,334
BlackRock Investment Management (UK) Limited	15-Dec-16	no	n/a	collateral transfer	ord	588,388	588,388
BlackRock Asset Management North Asia Limited	15-Dec-16	no	n/a	collateral transfer	ord	64,550	64,550
BlackRock Institutional Trust Company, National Association	15-Dec-16	yes	15.75	on mkt buy	ord	132	132
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	ord	2,604	2,604
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	ord	7,858	7,858
BlackRock Fund Advisors	15-Dec-16	yes	15.75	on mkt buy	ord	7,922	7,922
BlackRock Institutional Trust Company, National Association	15-Dec-16	yes	15.75	on mkt buy	ord	5,477	5,477
BlackRock Fund Advisors	15-Dec-16	no	n/a	in specie	ord	9,243	9,243
BlackRock Advisors, LLC	16-Dec-16	yes	15.53	on mkt buy	ord	3,600	3,600
BlackRock Advisors (UK) Limited	16-Dec-16	no	n/a	collateral transfer	ord	917,845	917,845
BlackRock Investment Management (UK) Limited	16-Dec-16	yes	15.53	on mkt buy	ord	13,498	13,498
BlackRock Investment Management (UK) Limited	16-Dec-16	yes	15.53	on mkt buy	ord	85,400	85,400
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	ord	3,255	3,255
BlackRock Fund Advisors	16-Dec-16	no	n/a	in specie	ord	23,574	23,574
BlackRock Investment Management (Australia) Limited	16-Dec-16	yes	15.53	on mkt buy	ord	34,907	34,907
BlackRock Investment Management (UK) Limited	16-Dec-16	yes	15.53	on mkt buy	ord	36,728	36,728
BlackRock Institutional Trust Company, National Association	16-Dec-16	yes	15.53	on mkt buy	ord	34,232	34,232
BlackRock Institutional Trust Company, National Association	16-Dec-16	yes	15.53	on mkt buy	ord	16,921	16,921
BlackRock Investment Management (UK) Limited	19-Dec-16	no	n/a	collateral transfer	ord	2	2

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected
			Cash	Non-cash		
BlackRock Investment Management (Australia) Limited	19-Dec-16	no	n/a	in specie	ord 493,144	493,144
BlackRock Investment Management (Australia) Limited	19-Dec-16	yes	15.61	on mkt buy	ord 8,040	8,040
BlackRock Asset Management Canada Limited	19-Dec-16	yes	15.61	on mkt buy	ord 4,332	4,332
BlackRock Advisors (UK) Limited	19-Dec-16	yes	15.61	on mkt buy	ord 504	504
BlackRock Investment Management (Australia) Limited	20-Dec-16	yes	15.35	on mkt buy	ord 14,069	14,069
BlackRock Advisors (UK) Limited	20-Dec-16	no	n/a	collateral transfer	ord 3,540	3,540
BlackRock Financial Management, Inc.	20-Dec-16	no	n/a	collateral transfer	ord 3	3
BlackRock Investment Management (UK) Limited	20-Dec-16	no	n/a	collateral transfer	ord 202	202
BlackRock Investment Management, LLC	21-Dec-16	no	n/a	collateral transfer	ord 2,684	2,684
BlackRock Asset Management North Asia Limited	21-Dec-16	no	n/a	collateral transfer	ord 7,732	7,732
BlackRock Advisors (UK) Limited	21-Dec-16	yes	15.37	on mkt buy	ord 292	292
BlackRock Advisors (UK) Limited	22-Dec-16	yes	15.52	on mkt buy	ord 5,421	5,421
BlackRock Advisors (UK) Limited	22-Dec-16	no	n/a	collateral transfer	ord 197,446	197,446
BlackRock Investment Management (UK) Limited	22-Dec-16	no	n/a	collateral transfer	ord 234	234
BlackRock Asset Management North Asia Limited	22-Dec-16	no	n/a	collateral transfer	ord 453	453
BlackRock Institutional Trust Company, National Association	22-Dec-16	yes	15.52	on mkt buy	ord 120,958	120,958
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	ord 3,155	3,155
BlackRock Fund Advisors	22-Dec-16	no	n/a	in specie	ord 2,524	2,524
BlackRock Investment Management (Australia) Limited	22-Dec-16	yes	15.52	on mkt buy	ord 40	40
BlackRock Japan Co., Ltd.	23-Dec-16	no	n/a	collateral transfer	ord 2,068,920	2,068,920
BlackRock Advisors (UK) Limited	23-Dec-16	no	n/a	collateral transfer	ord 1,151,023	1,151,023
BlackRock Investment Management, LLC	23-Dec-16	no	n/a	collateral transfer	ord 538	538
BlackRock Investment Management (UK) Limited	23-Dec-16	no	n/a	collateral transfer	ord 126,262	126,262
BlackRock Fund Advisors	23-Dec-16	no	n/a	in specie	ord 31,192	31,192
BlackRock Advisors (UK) Limited	23-Dec-16	yes	15.50	on mkt buy	ord 10,533	10,533
BlackRock Fund Advisors	23-Dec-16	yes	15.50	on mkt buy	ord 10,028	10,028
BlackRock Advisors, LLC	23-Dec-16	no	n/a	in specie	ord 152,361	152,361
BlackRock Japan Co., Ltd.	27-Dec-16	no	n/a	collateral transfer	ord 2,079,396	2,079,396
BlackRock Advisors (UK) Limited	27-Dec-16	no	n/a	collateral transfer	ord 3,555,305	3,555,305
BlackRock Investment Management, LLC	27-Dec-16	no	n/a	collateral transfer	ord 4,277	4,277
BlackRock Investment Management (UK) Limited	27-Dec-16	no	n/a	collateral transfer	ord 6,865	6,865
BlackRock Asset Management North Asia Limited	27-Dec-16	no	n/a	collateral transfer	ord 7,495	7,495
BlackRock Fund Advisors	27-Dec-16	no	n/a	in specie	ord 1,893	1,893
BlackRock Advisors (UK) Limited	28-Dec-16	no	n/a	collateral transfer	ord 625,905	625,905
BlackRock Asset Management North Asia Limited	28-Dec-16	no	n/a	collateral transfer	ord 75	75
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	ord 7,798	7,798
BlackRock Fund Advisors	28-Dec-16	yes	15.55	on mkt buy	ord 26,534	26,534
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	ord 3,105	3,105
BlackRock Fund Advisors	28-Dec-16	no	n/a	in specie	ord 2,152	2,152
BlackRock Institutional Trust Company, National Association	29-Dec-16	yes	15.92	on mkt buy	ord 4,935	4,935
BlackRock Japan Co., Ltd.	29-Dec-16	no	n/a	collateral transfer	ord 705,453	705,453
BlackRock Financial Management, Inc.	29-Dec-16	no	n/a	collateral transfer	ord 3,197	3,197
BlackRock Investment Management, LLC	29-Dec-16	no	n/a	collateral transfer	ord 11,555	11,555
BlackRock Investment Management (UK) Limited	29-Dec-16	no	n/a	collateral transfer	ord 44,110	44,110
BlackRock Asset Management North Asia Limited	29-Dec-16	no	n/a	collateral transfer	ord 3,932	3,932

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected	
			Cash	Non-cash			
BlackRock Fund Advisors	29-Dec-16	no	n/a	in specie	ord	10,350	10,350
BlackRock Advisors (UK) Limited	29-Dec-16	yes	15.92	on mkt buy	ord	2,727	2,727
BlackRock Advisors (UK) Limited	29-Dec-16	yes	15.92	on mkt buy	ord	5,454	5,454
BlackRock Advisors (UK) Limited	29-Dec-16	yes	15.92	on mkt buy	ord	17,603	17,603
BlackRock Advisors (UK) Limited	29-Dec-16	yes	15.92	on mkt buy	ord	7,022	7,022
BlackRock Advisors (UK) Limited	29-Dec-16	yes	15.92	on mkt buy	ord	6,119	6,119
BlackRock Advisors, LLC	30-Dec-16	no	n/a	collateral transfer	ord	24,213	24,213
BlackRock Japan Co., Ltd.	30-Dec-16	no	n/a	collateral transfer	ord	8,296	8,296
BlackRock Investment Management, LLC	30-Dec-16	no	n/a	collateral transfer	ord	6,735	6,735
BlackRock Investment Management (UK) Limited	30-Dec-16	no	n/a	collateral transfer	ord	1,174,532	1,174,532
BlackRock Asset Management North Asia Limited	30-Dec-16	no	n/a	collateral transfer	ord	171,793	171,793
BlackRock Advisors (UK) Limited	30-Dec-16	yes	15.83	on mkt buy	ord	1,032	1,032
BlackRock Advisors, LLC	30-Dec-16	no	n/a	in specie	ord	151,576	151,576
BlackRock Advisors (UK) Limited	03-Jan-17	no	n/a	collateral transfer	ord	54,736	54,736
BlackRock Institutional Trust Company, National Association	03-Jan-17	no	n/a	in specie	ord	48,859	48,859
BlackRock Advisors, LLC	03-Jan-17	no	n/a	collateral transfer	ord	7	7
BlackRock Investment Management, LLC	03-Jan-17	no	n/a	collateral transfer	ord	382	382
BlackRock Investment Management (UK) Limited	03-Jan-17	no	n/a	collateral transfer	ord	34,213	34,213
BlackRock Asset Management North Asia Limited	03-Jan-17	no	n/a	collateral transfer	ord	3,345	3,345
BlackRock Institutional Trust Company, National Association	03-Jan-17	no	n/a	in specie	ord	39,059	39,059
BlackRock Fund Advisors	03-Jan-17	no	n/a	in specie	ord	24,644	24,644
BlackRock Advisors (UK) Limited	04-Jan-17	no	n/a	collateral transfer	ord	1,970,449	1,970,449
BlackRock Fund Advisors	04-Jan-17	no	n/a	in specie	ord	10,350	10,350
BlackRock Fund Advisors	04-Jan-17	yes	16.17	on mkt buy	ord	10,841	10,841
BlackRock Fund Advisors	04-Jan-17	no	n/a	in specie	ord	2,486	2,486
BlackRock Advisors (UK) Limited	04-Jan-17	yes	16.17	on mkt buy	ord	3,511	3,511
BlackRock Advisors (UK) Limited	04-Jan-17	yes	16.17	on mkt buy	ord	7,022	7,022
BlackRock Advisors (UK) Limited	04-Jan-17	yes	16.17	on mkt buy	ord	2,336	2,336
BlackRock Japan Co., Ltd.	05-Jan-17	no	n/a	collateral transfer	ord	930,980	930,980
BlackRock Investment Management (UK) Limited	05-Jan-17	yes	16.44	on mkt buy	ord	18,343	18,343
BlackRock Fund Advisors	05-Jan-17	yes	16.44	on mkt buy	ord	25,740	25,740
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	31,312	31,312
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	11,856	11,856
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	12,420	12,420
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	14,490	14,490
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	2,768	2,768
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.44	on mkt buy	ord	3,512	3,512
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.44	on mkt buy	ord	2,064	2,064
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.44	on mkt buy	ord	344	344
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.44	on mkt buy	ord	401	401
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.44	on mkt buy	ord	401	401
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	429	429
BlackRock Advisors (UK) Limited	06-Jan-17	yes	16.56	on mkt buy	ord	7,030	7,030
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	ord	5,928	5,928
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	ord	2,486	2,486
BlackRock Advisors (UK) Limited	06-Jan-17	yes	16.56	on mkt buy	ord	3,571	3,571
BlackRock Advisors (UK) Limited	06-Jan-17	yes	16.56	on mkt buy	ord	1,180	1,180
BlackRock Investment Management, LLC	06-Jan-17	yes	16.56	on mkt buy	ord	1,774	1,774
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	ord	61,610	61,610
BlackRock Fund Advisors	09-Jan-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Fund Advisors	09-Jan-17	no	n/a	in specie	ord	19,570	19,570
BlackRock Fund Advisors	09-Jan-17	yes	16.84	on mkt buy	ord	2,300	2,300
BlackRock Fund Advisors	10-Jan-17	no	n/a	in specie	ord	10,160	10,160
BlackRock Fund Advisors	11-Jan-17	no	n/a	in specie	ord	13,455	13,455
BlackRock Investment Management (UK) Limited	12-Jan-17	no	n/a	in specie	ord	3,100	3,100
BlackRock Investment Management, LLC	12-Jan-17	yes	16.87	on mkt buy	ord	5,903	5,903
BlackRock Fund Advisors	12-Jan-17	no	n/a	in specie	ord	10,350	10,350
BlackRock Fund Advisors	12-Jan-17	no	n/a	in specie	ord	30,805	30,805

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected
			Cash	Non-cash		
BlackRock Institutional Trust Company, National Association	13-Jan-17	no	n/a	in specie	ord 5,800	5,800
BlackRock Fund Advisors	13-Jan-17	no	n/a	in specie	ord 15,525	15,525
BlackRock Fund Advisors	13-Jan-17	no	n/a	in specie	ord 24,644	24,644
BlackRock Advisors, LLC	13-Jan-17	no	n/a	in specie	ord 149,862	149,862
BlackRock Japan Co., Ltd.	16-Jan-17	no	n/a	collateral transfer	ord 0	0
BlackRock Advisors (UK) Limited	16-Jan-17	no	n/a	collateral transfer	ord 263,363	263,363
BlackRock Investment Management, LLC	16-Jan-17	no	n/a	collateral transfer	ord 0	0
BlackRock Investment Management (UK) Limited	16-Jan-17	no	n/a	collateral transfer	ord 1	1
BlackRock Asset Management North Asia Limited	16-Jan-17	no	n/a	collateral transfer	ord 0	0
BlackRock Advisors (UK) Limited	16-Jan-17	yes	16.73	on mkt buy	ord 8,172	8,172
BlackRock Advisors (UK) Limited	17-Jan-17	no	n/a	collateral transfer	ord 839,587	839,587
BlackRock Asset Management North Asia Limited	17-Jan-17	no	n/a	collateral transfer	ord 851,275	851,275
BlackRock Advisors, LLC	17-Jan-17	yes	16.93	on mkt buy	ord 91,929	91,929
BlackRock Institutional Trust Company, National Association	17-Jan-17	no	n/a	in specie	ord 19,452	19,452
BlackRock Fund Advisors	17-Jan-17	no	n/a	in specie	ord 24,644	24,644
BlackRock Capital Management, Inc.	18-Jan-17	no	n/a	collateral transfer	ord 524	524
BlackRock Investment Management (UK) Limited	18-Jan-17	no	n/a	collateral transfer	ord 254,976	254,976
BlackRock Fund Advisors	18-Jan-17	no	n/a	in specie	ord 15,525	15,525
BlackRock Advisors (UK) Limited	18-Jan-17	yes	16.90	on mkt buy	ord 5,450	5,450
BlackRock Investment Management (UK) Limited	19-Jan-17	no	n/a	collateral transfer	ord 19	19
BlackRock Advisors (UK) Limited	19-Jan-17	yes	16.79	on mkt buy	ord 2,725	2,725
BlackRock Advisors (UK) Limited	19-Jan-17	yes	16.79	on mkt buy	ord 2,725	2,725
BlackRock Advisors (UK) Limited	19-Jan-17	yes	16.79	on mkt buy	ord 2,394	2,394
BlackRock Japan Co., Ltd.	20-Jan-17	no	n/a	collateral transfer	ord 0	0
BlackRock Financial Management, Inc.	20-Jan-17	no	n/a	collateral transfer	ord 0	0
BlackRock Investment Management, LLC	20-Jan-17	no	n/a	collateral transfer	ord 0	0
BlackRock Asset Management North Asia Limited	20-Jan-17	no	n/a	collateral transfer	ord 0	0
BlackRock Advisors (UK) Limited	20-Jan-17	yes	16.73	on mkt buy	ord 2,052	2,052
BlackRock Investment Management (UK) Limited	23-Jan-17	no	n/a	collateral transfer	ord 8,904	8,904
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	ord 10,350	10,350
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	ord 18,630	18,630
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	ord 21,735	21,735
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	ord 135,732	135,732
BlackRock Advisors (UK) Limited	23-Jan-17	yes	16.47	on mkt buy	ord 8,178	8,178
BlackRock Advisors (UK) Limited	23-Jan-17	yes	16.47	on mkt buy	ord 507	507
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	ord 429	429
BlackRock Japan Co., Ltd.	24-Jan-17	no	n/a	collateral transfer	ord 269	269
BlackRock Financial Management, Inc.	24-Jan-17	no	n/a	collateral transfer	ord 512	512
BlackRock Investment Management, LLC	24-Jan-17	no	n/a	collateral transfer	ord 2,009	2,009
BlackRock Asset Management North Asia Limited	24-Jan-17	no	n/a	collateral transfer	ord 901	901
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	ord 15,656	15,656
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	ord 12,420	12,420
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	ord 9,315	9,315
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	ord 4,152	4,152
BlackRock Fund Advisors	25-Jan-17	no	n/a	in specie	ord 15,656	15,656
BlackRock Fund Advisors	25-Jan-17	no	n/a	in specie	ord 1,730	1,730
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.36	on mkt buy	ord 5,452	5,452
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.36	on mkt buy	ord 509	509
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.36	on mkt buy	ord 7,126	7,126
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.36	on mkt buy	ord 6,950	6,950
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.36	on mkt buy	ord 1,026	1,026
BlackRock Advisors (UK) Limited	26-Jan-17	no	n/a	collateral transfer	ord 0	0

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected
			Cash	Non-cash		
BlackRock Advisors (UK) Limited	27-Jan-17	no	n/a	collateral transfer	ord 2,953	2,953
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.20	on mkt buy	ord 19,082	19,082
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.43	on mkt buy	ord 2,726	2,726
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.43	on mkt buy	ord 1,560	1,560
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.20	on mkt buy	ord 3,563	3,563
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.43	on mkt buy	ord 17,815	17,815
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.43	on mkt buy	ord 1,026	1,026
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.43	on mkt buy	ord 1,710	1,710
BlackRock Fund Advisors	27-Jan-17	no	n/a	in specie	ord 43,127	43,127
BlackRock Japan Co., Ltd.	30-Jan-17	no	n/a	collateral transfer	ord 8,313	8,313
BlackRock Advisors (UK) Limited	30-Jan-17	no	n/a	collateral transfer	ord 165,772	165,772
BlackRock Advisors (UK) Limited	30-Jan-17	yes	16.27	on mkt buy	ord 684	684
BlackRock Advisors (UK) Limited	30-Jan-17	yes	16.27	on mkt buy	ord 684	684
BlackRock Fund Advisors	30-Jan-17	no	n/a	in specie	ord 18,483	18,483
BlackRock Advisors (UK) Limited	31-Jan-17	yes	15.99	on mkt buy	ord 2,723	2,723
BlackRock Investment Management (UK) Limited	31-Jan-17	yes	15.99	on mkt buy	ord 32,465	32,465
BlackRock Fund Advisors	01-Feb-17	no	n/a	in specie	ord 8,280	8,280
BlackRock Advisors (UK) Limited	01-Feb-17	yes	16.20	on mkt buy	ord 2,394	2,394
BlackRock Investment Management (Australia) Limited	01-Feb-17	yes	16.20	on mkt buy	ord 285,072	285,072
BlackRock Fund Advisors	01-Feb-17	no	n/a	in specie	ord 18,483	18,483
BlackRock Japan Co., Ltd.	02-Feb-17	no	n/a	collateral transfer	ord 1,191,820	1,191,820
BlackRock Advisors (UK) Limited	02-Feb-17	no	n/a	collateral transfer	ord 40,732	40,732
BlackRock Investment Management, LLC	02-Feb-17	no	n/a	collateral transfer	ord 19,159	19,159
BlackRock Investment Management (UK) Limited	02-Feb-17	no	n/a	collateral transfer	ord 793,060	793,060
BlackRock Fund Advisors	02-Feb-17	no	n/a	in specie	ord 9,342	9,342
BlackRock Advisors (UK) Limited	02-Feb-17	yes	16.49	on mkt buy	ord 2,725	2,725
BlackRock Advisors (UK) Limited	02-Feb-17	yes	16.49	on mkt buy	ord 3,563	3,563
BlackRock Advisors (UK) Limited	02-Feb-17	yes	16.49	on mkt buy	ord 403	403
BlackRock Advisors (UK) Limited	03-Feb-17	no	n/a	collateral transfer	ord 1,791,501	1,791,501
BlackRock Fund Advisors	03-Feb-17	no	n/a	in specie	ord 5,190	5,190
BlackRock Advisors (UK) Limited	03-Feb-17	yes	16.47	on mkt buy	ord 5,450	5,450
BlackRock Advisors (UK) Limited	06-Feb-17	yes	16.13	on mkt buy	ord 27,250	27,250
BlackRock Advisors (UK) Limited	06-Feb-17	yes	16.13	on mkt buy	ord 2,723	2,723
BlackRock Advisors (UK) Limited	06-Feb-17	yes	16.13	on mkt buy	ord 13,615	13,615
BlackRock Investment Management (Australia) Limited	07-Feb-17	yes	16.74	on mkt buy	ord 15,801	15,801
BlackRock Japan Co., Ltd.	07-Feb-17	no	n/a	collateral transfer	ord 423,382	423,382
BlackRock Investment Management (UK) Limited	07-Feb-17	yes	16.74	on mkt buy	ord 92,300	92,300
BlackRock Fund Advisors	07-Feb-17	yes	16.74	on mkt buy	ord 14,185	14,185
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	ord 7,245	7,245
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	ord 7,245	7,245
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	ord 13,455	13,455
BlackRock Advisors (UK) Limited	07-Feb-17	yes	16.74	on mkt buy	ord 6,894	6,894
BlackRock Advisors (UK) Limited	07-Feb-17	yes	16.74	on mkt buy	ord 2,052	2,052
BlackRock Japan Co., Ltd.	08-Feb-17	no	n/a	collateral transfer	ord 783,122	783,122
BlackRock Financial Management, Inc.	08-Feb-17	yes	16.43	on mkt buy	ord 2,100	2,100
BlackRock Fund Advisors	08-Feb-17	no	n/a	in specie	ord 23,484	23,484
BlackRock Advisors (UK) Limited	08-Feb-17	yes	16.20	on mkt buy	ord 6,630	6,630
BlackRock Advisors (UK) Limited	08-Feb-17	yes	16.20	on mkt buy	ord 407	407
BlackRock Fund Advisors	08-Feb-17	no	n/a	in specie	ord 429	429
BlackRock Investment Management, LLC	09-Feb-17	no	n/a	collateral transfer	ord 32,445	32,445
BlackRock Investment Management (UK) Limited	09-Feb-17	no	n/a	collateral transfer	ord 1,176,821	1,176,821
BlackRock Asset Management North Asia Limited	09-Feb-17	no	n/a	collateral transfer	ord 559,135	559,135
BlackRock Fund Advisors	09-Feb-17	no	n/a	in specie	ord 5,190	5,190
BlackRock Fund Advisors	09-Feb-17	no	n/a	in specie	ord 11,311	11,311
BlackRock Japan Co., Ltd.	10-Feb-17	no	n/a	collateral transfer	ord 1,640,477	1,640,477
BlackRock Investment Management (UK) Limited	10-Feb-17	yes	16.53	on mkt buy	ord 100,750	100,750

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected	Person's votes affected	
			Cash	Non-cash			
BlackRock Advisors (UK) Limited	10-Feb-17	yes		16.53 on mkt buy	ord	2,726	2,726
BlackRock Advisors (UK) Limited	10-Feb-17	yes		16.30 on mkt buy	ord	29,953	29,953
BlackRock Advisors (UK) Limited	13-Feb-17	no	n/a	collateral transfer	ord	1,746,669	1,746,669
BlackRock Investment Management (UK) Limited	13-Feb-17	yes		16.79 on mkt buy	ord	62,200	62,200
BlackRock Fund Advisors	13-Feb-17	no	n/a	in specie	ord	19,570	19,570
BlackRock Advisors (UK) Limited	13-Feb-17	yes		16.79 on mkt buy	ord	407	407
BlackRock Japan Co., Ltd.	14-Feb-17	no	n/a	collateral transfer	ord	6,742	6,742
BlackRock Investment Management, LLC	14-Feb-17	no	n/a	collateral transfer	ord	31,481	31,481
BlackRock Investment Management (UK) Limited	14-Feb-17	no	n/a	collateral transfer	ord	1,125,261	1,125,261
BlackRock Asset Management North Asia Limited	14-Feb-17	no	n/a	collateral transfer	ord	548,276	548,276
BlackRock Fund Advisors	14-Feb-17	no	n/a	in specie	ord	22,622	22,622
BlackRock Advisors (UK) Limited	14-Feb-17	yes		16.95 on mkt buy	ord	3,564	3,564
BlackRock Advisors (UK) Limited	15-Feb-17	no	n/a	collateral transfer	ord	1,612,498	1,612,498
BlackRock Investment Management (Australia) Limited	15-Feb-17	yes		16.98 on mkt buy	ord	14,089	14,089
BlackRock Advisors (UK) Limited	15-Feb-17	yes		16.98 on mkt buy	ord	5,448	5,448
BlackRock Advisors (UK) Limited	15-Feb-17	yes		16.98 on mkt buy	ord	2,394	2,394
BlackRock Investment Management, LLC	15-Feb-17	yes		17.22 on mkt buy	ord	2,817	2,817
BlackRock Investment Management (UK) Limited	16-Feb-17	yes		16.61 on mkt buy	ord	24,433	24,433
BlackRock Advisors (UK) Limited	16-Feb-17	yes		16.61 on mkt buy	ord	684	684
BlackRock Advisors (UK) Limited	16-Feb-17	yes		16.61 on mkt buy	ord	1,368	1,368
BlackRock Advisors (UK) Limited	16-Feb-17	yes		16.61 on mkt buy	ord	814	814
BlackRock Fund Advisors	16-Feb-17	no	n/a	in specie	ord	1,027	1,027
BlackRock Institutional Trust Company, National Association	16-Feb-17	yes		16.61 on mkt buy	ord	10,144	10,144
BlackRock Institutional Trust Company, National Association	16-Feb-17	no	n/a	in specie	ord	15,920	15,920
BlackRock Advisors (UK) Limited	17-Feb-17	yes		16.86 on mkt buy	ord	2,728	2,728
BlackRock Advisors, LLC	17-Feb-17	no	n/a	in specie	ord	141,704	141,704
BlackRock Advisors (UK) Limited	20-Feb-17	yes		16.53 on mkt buy	ord	3,567	3,567
BlackRock Investment Management, LLC	21-Feb-17	no	n/a	collateral transfer	ord	29,672	29,672
BlackRock Investment Management (UK) Limited	21-Feb-17	no	n/a	collateral transfer	ord	1,183,760	1,183,760
BlackRock Asset Management North Asia Limited	21-Feb-17	no	n/a	collateral transfer	ord	490,448	490,448
BlackRock Investment Management, LLC	21-Feb-17	yes		16.37 on mkt buy	ord	58,718	58,718
BlackRock Advisors (UK) Limited	21-Feb-17	yes		16.37 on mkt buy	ord	513	513
BlackRock Advisors, LLC	22-Feb-17	yes		16.65 on mkt buy	ord	1,250	1,250
BlackRock Fund Advisors	22-Feb-17	no	n/a	in specie	ord	27,398	27,398
BlackRock Advisors (UK) Limited	22-Feb-17	yes		17.12 on mkt buy	ord	5,456	5,456
BlackRock Advisors (UK) Limited	22-Feb-17	yes		17.12 on mkt buy	ord	2,744	2,744
BlackRock Advisors (UK) Limited	22-Feb-17	yes		17.12 on mkt buy	ord	408	408
BlackRock Japan Co., Ltd.	22-Feb-17	no	n/a	collateral transfer	ord	1,595,752	1,595,752
BlackRock Investment Management, LLC	22-Feb-17	no	n/a	collateral transfer	ord	15	15
BlackRock Asset Management North Asia Limited	22-Feb-17	no	n/a	collateral transfer	ord	10,255	10,255