

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. 02 May 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
76,330,716	5.01%

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.	284,995	
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 Semple 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 15.

12. Declaration.

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

Signature: _____ 

Signing: Spencer Fleming

Role: Managing Director Date: 04 May 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.

Annexure A

This is Annexure A of 4 pages

Holder of Relevant Interests	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
Name and ACR / ARSN (if applicable)						
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		ord 19,127	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		ord 63,974	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		ord 201,878	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		ord 10,200	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		ord 377,941	377,941	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.	BNYM-BONY EUROPE - LONDON		ord 4,142,182	4,142,182	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		ord 104,206	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		ord 1,413,038	1,413,038	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		ord 284,811	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		ord 383,259	383,259	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		ord 3,557,398	3,557,398	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		ord 10,491	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.	BBH-BROWN BROTHERS HARRIMAN NEW YORK		ord 130,005	130,005	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		ord 1,886,760	1,886,760	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		ord 2,433,306	2,433,306	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		ord 17,407	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-SSB NEW YORK INSTITUTIONAL		ord 5,481	5,481	subsidiary of BlackRock Inc.

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Holder of Relevant Interests Name and ACRN / 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 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	ord	582,139	582,139	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.	BNYM-BONY LUXEMBOURG	ord	21,987	21,987	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.	CITI-CITIBANK, HONG KONG	ord	1,203	1,203	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	27,114	27,114	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-BONY LUXEMBOURG	ord	38,990	38,990	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	34,969	34,969	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	186,700	186,700	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 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	231,140	231,140	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	15,948,860	15,948,860	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.	BNP PARIBAS LON	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.	BNYM-THE BANK OF NEW YORK	ord	1,626,008	1,626,008	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.	NT-NORTHERN TRUST CO. - CHICAGO	ord	514,495	514,495	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	65,312	65,312	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 1,011,253	1,011,253	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 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 SACRAMENTO		ord 15,159,370	15,159,370	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 49,684	49,684	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.	BNP-BNP PARIBAS AUSTRALIA - COSENT		ord 118,882	118,882	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 3,585	3,585	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 3,049,815	3,049,815	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 546,950	546,950	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 30,094	30,094	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 615,213	615,213	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 566,950	566,950	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 7,362,641	7,362,641	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-CACI'S 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 714,734	714,734	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.	HSBC-HSBC - LONDON		ord 54,495	54,495	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	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
Name and ACN / ARSN (if applicable)						
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 359,473	359,473	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 1,174,749	1,174,749	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 50,497	50,497	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 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 312,941	312,941	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 465,951	465,951	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 22,247	22,247	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 784,796	784,796	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 884,728	884,728	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 2,116,654	2,116,654	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.	MITSUBI-SUMITOMO TRUST		ord 18,335	18,335	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 17,413	17,413	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.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ord 788,972	788,972	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 responsible entity.	JPM-JPM CHASE - SYDNEY		ord 2,187,137	2,187,137	subsidiary of BlackRock Inc.

This is Annexure B of 11 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 Fund Advisors	03-Jan-17	no	n/a	in specie	ord	24,644	24,644
BlackRock Institutional Trust Company, National Association	03-Jan-17	no	n/a	in specie	ord	48,859	48,859
BlackRock Institutional Trust Company, National Association	03-Jan-17	no	n/a	in specie	ord	39,059	39,059
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	19,229	19,229
BlackRock Asset Management North Asia Limited	03-Jan-17	no	n/a	collateral transfer	ord	3,345	3,345
BlackRock Advisors (UK) Limited	04-Jan-17	yes	16.31	on mkt buy	ord	7,022	7,022
BlackRock Advisors (UK) Limited	04-Jan-17	yes	16.31	on mkt buy	ord	2,336	2,336
BlackRock Advisors (UK) Limited	04-Jan-17	yes	16.31	on mkt buy	ord	3,511	3,511
BlackRock Fund Advisors	04-Jan-17	yes	16.31	on mkt buy	ord	10,841	10,841
BlackRock Fund Advisors	04-Jan-17	no	n/a	in specie	ord	10,350	10,350
BlackRock Fund Advisors	04-Jan-17	no	n/a	in specie	ord	2,486	2,486
BlackRock Advisors (UK) Limited	04-Jan-17	no	n/a	collateral transfer	ord	1,970,449	1,970,449
BlackRock Fund Advisors	05-Jan-17	yes	16.61	on mkt buy	ord	25,740	25,740
BlackRock Investment Management (UK) Limited	05-Jan-17	yes	16.62	on mkt buy	ord	18,343	18,343
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.64	on mkt buy	ord	344	344
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.64	on mkt buy	ord	2,064	2,064
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.64	on mkt buy	ord	401	401
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.64	on mkt buy	ord	401	401
BlackRock Advisors (UK) Limited	05-Jan-17	yes	16.64	on mkt buy	ord	3,512	3,512
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	429	429
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	2,768	2,768
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	31,312	31,312
BlackRock Fund Advisors	05-Jan-17	no	n/a	in specie	ord	11,856	11,856
BlackRock Japan Co., Ltd.	05-Jan-17	no	n/a	collateral transfer	ord	930,980	930,980
BlackRock Investment Management, LLC	06-Jan-17	yes	16.77	on mkt buy	ord	1,774	1,774
BlackRock Advisors (UK) Limited	06-Jan-17	yes	16.70	on mkt buy	ord	3,571	3,571
BlackRock Advisors (UK) Limited	06-Jan-17	yes	16.70	on mkt buy	ord	1,180	1,180
BlackRock Advisors (UK) Limited	06-Jan-17	yes	16.70	on mkt buy	ord	7,030	7,030
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	ord	2,486	2,486
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	ord	61,610	61,610
BlackRock Fund Advisors	06-Jan-17	no	n/a	in specie	ord	5,928	5,928
BlackRock Fund Advisors	09-Jan-17	yes	16.83	on mkt buy	ord	2,300	2,300
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	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, LLC	12-Jan-17	yes	17.08	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 Investment Management (UK) Limited	12-Jan-17	no	n/a	in specie	ord	3,100	3,100
BlackRock Fund Advisors	12-Jan-17	no	n/a	in specie	ord	30,805	30,805
BlackRock Advisors, LLC	12-Jan-17	no	n/a	in specie	ord	149,862	149,862
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 Institutional Trust Company, National Association	13-Jan-17	no	n/a	in specie	ord	5,800	5,800
BlackRock Advisors (UK) Limited	16-Jan-17	yes	16.96	on mkt buy	ord	8,172	8,172
BlackRock Japan Co., Ltd.	16-Jan-17	no	n/a	collateral transfer	ord	0	0

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			Cash	Non-cash		
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, LLC	17-Jan-17	yes	17.17	on mkt buy	ord 91,929	91,929
BlackRock Fund Advisors	17-Jan-17	no	n/a	in specie	ord 24,644	24,644
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 (UK) Limited	18-Jan-17	yes	17.09	on mkt buy	ord 5,450	5,450
BlackRock Fund Advisors	18-Jan-17	no	n/a	in specie	ord 15,525	15,525
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 Advisors (UK) Limited	19-Jan-17	yes	16.98	on mkt buy	ord 2,725	2,725
BlackRock Advisors (UK) Limited	19-Jan-17	yes	16.98	on mkt buy	ord 2,725	2,725
BlackRock Advisors (UK) Limited	19-Jan-17	yes	16.98	on mkt buy	ord 2,394	2,394
BlackRock Investment Management (UK) Limited	19-Jan-17	no	n/a	collateral transfer	ord 19	19
BlackRock Advisors (UK) Limited	20-Jan-17	yes	16.76	on mkt buy	ord 2,052	2,052
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	23-Jan-17	yes	16.49	on mkt buy	ord 8,178	8,178
BlackRock Advisors (UK) Limited	23-Jan-17	yes	16.49	on mkt buy	ord 507	507
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 10,350	10,350
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	ord 135,732	135,732
BlackRock Fund Advisors	23-Jan-17	no	n/a	in specie	ord 429	429
BlackRock Investment Management (UK) Limited	23-Jan-17	no	n/a	collateral transfer	ord 8,904	8,904
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	ord 4,152	4,152
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 12,420	12,420
BlackRock Fund Advisors	24-Jan-17	no	n/a	in specie	ord 15,656	15,656
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 Advisors (UK) Limited	25-Jan-17	yes	16.58	on mkt buy	ord 5,452	5,452
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.58	on mkt buy	ord 509	509
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.58	on mkt buy	ord 7,126	7,126
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.58	on mkt buy	ord 6,950	6,950
BlackRock Advisors (UK) Limited	25-Jan-17	yes	16.58	on mkt buy	ord 1,026	1,026
BlackRock Fund Advisors	25-Jan-17	no	n/a	in specie	ord 1,730	1,730
BlackRock Fund Advisors	25-Jan-17	no	n/a	in specie	ord 15,656	15,656
BlackRock Advisors (UK) Limited	26-Jan-17	no	n/a	collateral transfer	ord 0	0
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.42	on mkt buy	ord 19,082	19,082
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.42	on mkt buy	ord 3,563	3,563
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 1,560	1,560
BlackRock Advisors (UK) Limited	27-Jan-17	yes	16.43	on mkt buy	ord 1,710	1,710
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 17,815	17,815
BlackRock Fund Advisors	27-Jan-17	no	n/a	in specie	ord 43,127	43,127
BlackRock Advisors (UK) Limited	27-Jan-17	no	n/a	collateral transfer	ord 2,953	2,953
BlackRock Advisors (UK) Limited	30-Jan-17	yes	16.36	on mkt buy	ord 684	684

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		Cash	Non-cash		
BlackRock Advisors (UK) Limited	30-Jan-17	yes	16.36	on mkt buy	ord 684 684
BlackRock Fund Advisors	30-Jan-17	no	n/a	in specie	ord 18,483 18,483
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	31-Jan-17	yes	16.15	on mkt buy	ord 2,723 2,723
BlackRock Investment Management (UK) Limited	31-Jan-17	yes	16.15	on mkt buy	ord 32,465 32,465
BlackRock Advisors (UK) Limited	01-Feb-17	yes	16.39	on mkt buy	ord 2,394 2,394
BlackRock Investment Management (Australia) Limited	01-Feb-17	yes	16.39	on mkt buy	ord 285,072 285,072
BlackRock Fund Advisors	01-Feb-17	no	n/a	in specie	ord 8,280 8,280
BlackRock Fund Advisors	01-Feb-17	no	n/a	in specie	ord 18,483 18,483
BlackRock Advisors (UK) Limited	02-Feb-17	yes	16.70	on mkt buy	ord 3,563 3,563
BlackRock Advisors (UK) Limited	02-Feb-17	yes	16.70	on mkt buy	ord 403 403
BlackRock Advisors (UK) Limited	02-Feb-17	yes	16.67	on mkt buy	ord 2,725 2,725
BlackRock Fund Advisors	02-Feb-17	no	n/a	in specie	ord 9,342 9,342
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 19,161 19,161
BlackRock Investment Management (UK) Limited	02-Feb-17	no	n/a	collateral transfer	ord 793,060 793,060
BlackRock Advisors (UK) Limited	03-Feb-17	yes	16.47	on mkt buy	ord 5,450 5,450
BlackRock Fund Advisors	03-Feb-17	no	n/a	in specie	ord 5,190 5,190
BlackRock Advisors (UK) Limited	03-Feb-17	no	n/a	collateral transfer	ord 1,791,501 1,791,501
BlackRock Advisors (UK) Limited	06-Feb-17	yes	16.30	on mkt buy	ord 2,723 2,723
BlackRock Advisors (UK) Limited	06-Feb-17	yes	16.30	on mkt buy	ord 13,615 13,615
BlackRock Advisors (UK) Limited	06-Feb-17	yes	16.33	on mkt buy	ord 27,250 27,250
BlackRock Investment Management (UK) Limited	07-Feb-17	yes	16.46	on mkt buy	ord 92,300 92,300
BlackRock Advisors (UK) Limited	07-Feb-17	yes	16.54	on mkt buy	ord 6,894 6,894
BlackRock Advisors (UK) Limited	07-Feb-17	yes	16.54	on mkt buy	ord 2,052 2,052
BlackRock Investment Management (Australia) Limited	07-Feb-17	yes	16.54	on mkt buy	ord 15,801 15,801
BlackRock Fund Advisors	07-Feb-17	yes	16.54	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 13,455 13,455
BlackRock Fund Advisors	07-Feb-17	no	n/a	in specie	ord 7,245 7,245
BlackRock Japan Co., Ltd.	07-Feb-17	no	n/a	collateral transfer	ord 423,382 423,382
BlackRock Financial Management, Inc.	08-Feb-17	yes	16.55	on mkt buy	ord 2,100 2,100
BlackRock Advisors (UK) Limited	08-Feb-17	yes	16.39	on mkt buy	ord 6,630 6,630
BlackRock Advisors (UK) Limited	08-Feb-17	yes	16.39	on mkt buy	ord 407 407
BlackRock Fund Advisors	08-Feb-17	no	n/a	in specie	ord 429 429
BlackRock Fund Advisors	08-Feb-17	no	n/a	in specie	ord 23,484 23,484
BlackRock Japan Co., Ltd.	08-Feb-17	no	n/a	collateral transfer	ord 783,122 783,122
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 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 Investment Management (UK) Limited	10-Feb-17	yes	16.62	on mkt buy	ord 100,750 100,750
BlackRock Advisors (UK) Limited	10-Feb-17	yes	16.51	on mkt buy	ord 29,953 29,953
BlackRock Advisors (UK) Limited	10-Feb-17	yes	16.57	on mkt buy	ord 2,726 2,726
BlackRock Japan Co., Ltd.	10-Feb-17	no	n/a	collateral transfer	ord 1,640,477 1,640,477
BlackRock Investment Management (UK) Limited	13-Feb-17	yes	16.82	on mkt buy	ord 62,200 62,200
BlackRock Advisors (UK) Limited	13-Feb-17	yes	16.86	on mkt buy	ord 407 407
BlackRock Fund Advisors	13-Feb-17	no	n/a	in specie	ord 19,570 19,570
BlackRock Advisors (UK) Limited	13-Feb-17	no	n/a	collateral transfer	ord 1,746,669 1,746,669
BlackRock Advisors (UK) Limited	14-Feb-17	yes	17.00	on mkt buy	ord 3,564 3,564
BlackRock Fund Advisors	14-Feb-17	no	n/a	in specie	ord 22,622 22,622

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		Cash	Non-cash		
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 Investment Management, LLC	15-Feb-17	yes	17.33	on mkt buy	ord 2,817 2,817
BlackRock Advisors (UK) Limited	15-Feb-17	yes	17.01	on mkt buy	ord 5,448 5,448
BlackRock Advisors (UK) Limited	15-Feb-17	yes	17.01	on mkt buy	ord 2,394 2,394
BlackRock Investment Management (Australia) Limited	15-Feb-17	yes	17.01	on mkt buy	ord 14,089 14,089
BlackRock Advisors (UK) Limited	15-Feb-17	no	n/a	collateral transfer	ord 1,612,498 1,612,498
BlackRock Investment Management (UK) Limited	16-Feb-17	yes	16.83	on mkt buy	ord 24,433 24,433
BlackRock Advisors (UK) Limited	16-Feb-17	yes	16.73	on mkt buy	ord 684 684
BlackRock Advisors (UK) Limited	16-Feb-17	yes	16.73	on mkt buy	ord 1,368 1,368
BlackRock Advisors (UK) Limited	16-Feb-17	yes	16.73	on mkt buy	ord 814 814
BlackRock Institutional Trust Company, National Association	16-Feb-17	yes	16.73	on mkt buy	ord 10,144 10,144
BlackRock Fund Advisors	16-Feb-17	no	n/a	in specie	ord 1,027 1,027
BlackRock Advisors, LLC	16-Feb-17	no	n/a	in specie	ord 141,704 141,704
BlackRock Advisors (UK) Limited	17-Feb-17	yes	17.04	on mkt buy	ord 2,728 2,728
BlackRock Advisors (UK) Limited	20-Feb-17	yes	16.70	on mkt buy	ord 3,567 3,567
BlackRock Advisors (UK) Limited	21-Feb-17	yes	16.42	on mkt buy	ord 513 513
BlackRock Investment Management, LLC	21-Feb-17	yes	16.42	on mkt buy	ord 58,718 58,718
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 Advisors, LLC	22-Feb-17	yes	16.88	on mkt buy	ord 1,250 1,250
BlackRock Advisors (UK) Limited	22-Feb-17	yes	17.26	on mkt buy	ord 408 408
BlackRock Advisors (UK) Limited	22-Feb-17	yes	17.26	on mkt buy	ord 2,744 2,744
BlackRock Advisors (UK) Limited	22-Feb-17	yes	17.34	on mkt buy	ord 5,456 5,456
BlackRock Fund Advisors	22-Feb-17	no	n/a	in specie	ord 27,398 27,398
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
BlackRock Advisors (UK) Limited	23-Feb-17	yes	17.37	on mkt buy	ord 8,184 8,184
BlackRock Institutional Trust Company, National Association	23-Feb-17	yes	17.37	on mkt buy	ord 10,669 10,669
BlackRock Fund Advisors	23-Feb-17	no	n/a	in specie	ord 19,570 19,570
BlackRock Investment Management, LLC	23-Feb-17	no	n/a	collateral transfer	ord 68 68
BlackRock Investment Management (UK) Limited	23-Feb-17	no	n/a	collateral transfer	ord 7,900 7,900
BlackRock Asset Management North Asia Limited	23-Feb-17	no	n/a	collateral transfer	ord 1,240 1,240
BlackRock Advisors, LLC	24-Feb-17	yes	17.39	on mkt buy	ord 3,000 3,000
BlackRock Advisors (UK) Limited	24-Feb-17	yes	17.26	on mkt buy	ord 13,796 13,796
BlackRock Advisors (UK) Limited	24-Feb-17	yes	17.27	on mkt buy	ord 5,468 5,468
BlackRock Advisors (UK) Limited	24-Feb-17	yes	17.27	on mkt buy	ord 408 408
BlackRock Advisors (UK) Limited	24-Feb-17	no	n/a	collateral transfer	ord 1,713,754 1,713,754
BlackRock Investment Management, LLC	24-Feb-17	no	n/a	collateral transfer	ord 4,064 4,064
BlackRock Investment Management (UK) Limited	24-Feb-17	no	n/a	collateral transfer	ord 96,440 96,440
BlackRock Advisors, LLC	27-Feb-17	yes	17.06	on mkt buy	ord 1,500 1,500
BlackRock Investment Management (UK) Limited	27-Feb-17	yes	17.06	on mkt buy	ord 29,100 29,100
BlackRock Advisors (UK) Limited	27-Feb-17	yes	16.83	on mkt buy	ord 408 408
BlackRock Investment Management, LLC	27-Feb-17	no	n/a	collateral transfer	ord 189 189
BlackRock Investment Management (UK) Limited	27-Feb-17	no	n/a	collateral transfer	ord 3,906 3,906
BlackRock Advisors (UK) Limited	28-Feb-17	yes	16.72	on mkt buy	ord 25,330 25,330
BlackRock Advisors, LLC	28-Feb-17	yes	16.72	on mkt buy	ord 4,975 4,975

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			Cash	Non-cash		
BlackRock Fund Advisors	28-Feb-17	yes	16.72	on mkt buy	ord	1,850
BlackRock Advisors (UK) Limited	28-Feb-17	yes	16.72	on mkt buy	ord	17,434
BlackRock Advisors, LLC	28-Feb-17	yes	16.72	on mkt buy	ord	3,425
BlackRock Institutional Trust Company, National Association	28-Feb-17	yes	16.72	on mkt buy	ord	1,271
BlackRock Investment Management (Australia) Limited	28-Feb-17	yes	16.72	on mkt buy	ord	17,242
BlackRock Investment Management, LLC	28-Feb-17	no	n/a	collateral transfer	ord	1,075,312
BlackRock Investment Management (UK) Limited	01-Mar-17	yes	16.71	on mkt buy	ord	72,350
BlackRock Advisors (UK) Limited	01-Mar-17	yes	16.57	on mkt buy	ord	6,156
BlackRock Fund Advisors	01-Mar-17	no	n/a	in specie	ord	429
BlackRock Fund Advisors	01-Mar-17	no	n/a	in specie	ord	66,752
BlackRock Institutional Trust Company, National Association	01-Mar-17	no	n/a	in specie	ord	5,690
BlackRock Fund Advisors	01-Mar-17	no	n/a	in specie	ord	11,053
BlackRock Japan Co., Ltd.	01-Mar-17	no	n/a	collateral transfer	ord	1,451,560
BlackRock Advisors (UK) Limited	01-Mar-17	no	n/a	collateral transfer	ord	61,660
BlackRock Investment Management, LLC	01-Mar-17	no	n/a	collateral transfer	ord	614,144
BlackRock Advisors, LLC	02-Mar-17	yes	16.70	on mkt buy	ord	400
BlackRock Advisors (UK) Limited	02-Mar-17	yes	16.76	on mkt buy	ord	10,347
BlackRock Advisors (UK) Limited	02-Mar-17	yes	16.77	on mkt buy	ord	10,724
BlackRock Advisors (UK) Limited	02-Mar-17	yes	16.77	on mkt buy	ord	1,548
BlackRock Advisors (UK) Limited	02-Mar-17	yes	16.77	on mkt buy	ord	6,898
BlackRock Investment Management, LLC	02-Mar-17	yes	16.77	on mkt buy	ord	2,349
BlackRock Investment Management (Australia) Limited	02-Mar-17	yes	16.77	on mkt buy	ord	10,704
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	ord	2,768
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	ord	10,380
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	ord	4,172
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	ord	15,645
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	ord	44,212
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	ord	11,053
BlackRock Fund Advisors	02-Mar-17	no	n/a	in specie	ord	22,106
BlackRock Advisors (UK) Limited	02-Mar-17	no	n/a	collateral transfer	ord	1,659,644
BlackRock Advisors, LLC	03-Mar-17	yes	16.51	on mkt buy	ord	850
BlackRock Fund Advisors	03-Mar-17	no	n/a	in specie	ord	30,805
BlackRock Fund Advisors	03-Mar-17	no	n/a	in specie	ord	12,516
BlackRock Advisors, LLC	06-Mar-17	yes	16.72	on mkt buy	ord	600
BlackRock Advisors (UK) Limited	06-Mar-17	yes	16.62	on mkt buy	ord	1,026
BlackRock Advisors (UK) Limited	06-Mar-17	yes	16.62	on mkt buy	ord	3,452
BlackRock Advisors (UK) Limited	06-Mar-17	yes	16.62	on mkt buy	ord	292
BlackRock Fund Advisors	06-Mar-17	no	n/a	in specie	ord	3,460
BlackRock Investment Management (UK) Limited	07-Mar-17	yes	16.57	on mkt buy	ord	35,400
BlackRock Asset Management Canada Limited	07-Mar-17	yes	16.52	on mkt buy	ord	5,703
BlackRock Advisors, LLC	08-Mar-17	yes	16.34	on mkt buy	ord	4,600
BlackRock Fund Advisors	08-Mar-17	no	n/a	in specie	ord	15,645
BlackRock Fund Advisors	08-Mar-17	no	n/a	in specie	ord	5,215
BlackRock Fund Advisors	09-Mar-17	yes	16.38	on mkt buy	ord	8,198
BlackRock Fund Advisors	09-Mar-17	no	n/a	in specie	ord	10,430
BlackRock Fund Advisors	09-Mar-17	no	n/a	in specie	ord	7,828
BlackRock Advisors (UK) Limited	09-Mar-17	no	n/a	collateral transfer	ord	52,534
BlackRock Advisors (UK) Limited	10-Mar-17	yes	16.21	on mkt buy	ord	1,028
BlackRock Advisors (UK) Limited	10-Mar-17	yes	16.21	on mkt buy	ord	584
BlackRock Fund Advisors	10-Mar-17	no	n/a	in specie	ord	7,828
BlackRock Japan Co., Ltd.	10-Mar-17	no	n/a	collateral transfer	ord	505,882
BlackRock Advisors (UK) Limited	10-Mar-17	no	n/a	collateral transfer	ord	541,401
BlackRock Investment Management (Australia) Limited	13-Mar-17	no	n/a	in specie	ord	650,312
BlackRock Japan Co., Ltd.	13-Mar-17	no	n/a	collateral transfer	ord	227,011
BlackRock Financial Management, Inc.	14-Mar-17	yes	16.12	on mkt buy	ord	1,600
BlackRock Investment Management (UK) Limited	14-Mar-17	yes	16.19	on mkt buy	ord	33

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			Cash	Non-cash			
BlackRock Investment Management (UK) Limited	14-Mar-17	yes	16.13	on mkt buy	ord	11,215	11,215
BlackRock Advisors (UK) Limited	14-Mar-17	yes	16.03	on mkt buy	ord	514	514
BlackRock Advisors (UK) Limited	14-Mar-17	no	n/a	collateral transfer	ord	276,935	276,935
BlackRock Investment Management (Australia) Limited	15-Mar-17	yes	16.33	on mkt buy	ord	6,263	6,263
BlackRock Fund Advisors	15-Mar-17	no	n/a	in specie	ord	429	429
BlackRock Japan Co., Ltd.	15-Mar-17	no	n/a	collateral transfer	ord	561	561
BlackRock Advisors (UK) Limited	15-Mar-17	no	n/a	collateral transfer	ord	85,339	85,339
BlackRock Investment Management, LLC	15-Mar-17	no	n/a	collateral transfer	ord	12,579	12,579
BlackRock Investment Management (UK) Limited	15-Mar-17	no	n/a	collateral transfer	ord	9,319	9,319
BlackRock Asset Management North Asia Limited	15-Mar-17	no	n/a	collateral transfer	ord	1,061	1,061
BlackRock Investment Management (Australia) Limited	16-Mar-17	yes	16.75	on mkt buy	ord	118,882	118,882
BlackRock Advisors (UK) Limited	16-Mar-17	yes	16.75	on mkt buy	ord	3,078	3,078
BlackRock Advisors (UK) Limited	16-Mar-17	yes	16.75	on mkt buy	ord	1,710	1,710
BlackRock Fund Advisors	16-Mar-17	no	n/a	in specie	ord	24,644	24,644
BlackRock Japan Co., Ltd.	16-Mar-17	no	n/a	collateral transfer	ord	78,804	78,804
BlackRock Investment Management (UK) Limited	16-Mar-17	no	n/a	collateral transfer	ord	423	423
BlackRock Asset Management North Asia Limited	16-Mar-17	no	n/a	collateral transfer	ord	41	41
BlackRock Investment Management (UK) Limited	17-Mar-17	yes	16.55	on mkt buy	ord	30,600	30,600
BlackRock Asset Management Canada Limited	17-Mar-17	yes	16.52	on mkt buy	ord	967	967
BlackRock Advisors (UK) Limited	17-Mar-17	yes	16.52	on mkt buy	ord	7,496	7,496
BlackRock Investment Management (UK) Limited	17-Mar-17	yes	16.52	on mkt buy	ord	31,691	31,691
BlackRock Financial Management, Inc.	17-Mar-17	yes	16.52	on mkt buy	ord	2,989	2,989
BlackRock Fund Advisors	17-Mar-17	no	n/a	in specie	ord	33,159	33,159
BlackRock Fund Advisors	17-Mar-17	no	n/a	in specie	ord	704	704
BlackRock Fund Advisors	17-Mar-17	no	n/a	in specie	ord	30,805	30,805
BlackRock Investment Management, LLC	17-Mar-17	no	n/a	collateral transfer	ord	1,283	1,283
BlackRock Investment Management (UK) Limited	20-Mar-17	yes	16.88	on mkt buy	ord	88,800	88,800
BlackRock Institutional Trust Company, National Association	20-Mar-17	yes	16.96	on mkt buy	ord	207,268	207,268
BlackRock Fund Advisors	20-Mar-17	no	n/a	in specie	ord	19,570	19,570
BlackRock Fund Advisors	20-Mar-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Japan Co., Ltd.	20-Mar-17	no	n/a	collateral transfer	ord	2	2
BlackRock Advisors (UK) Limited	20-Mar-17	no	n/a	collateral transfer	ord	0	0
BlackRock Investment Management (UK) Limited	20-Mar-17	no	n/a	collateral transfer	ord	967	967
BlackRock Investment Management (UK) Limited	21-Mar-17	yes	16.48	on mkt buy	ord	16,215	16,215
BlackRock Investment Management (UK) Limited	21-Mar-17	yes	16.41	on mkt buy	ord	217,750	217,750
BlackRock Investment Management (Australia) Limited	21-Mar-17	yes	16.51	on mkt buy	ord	39,717	39,717
BlackRock Fund Advisors	21-Mar-17	yes	16.51	on mkt buy	ord	2,920	2,920
BlackRock Fund Advisors	21-Mar-17	no	n/a	in specie	ord	24,644	24,644
BlackRock Advisors (UK) Limited	21-Mar-17	no	n/a	collateral transfer	ord	467,671	467,671
BlackRock Investment Management, LLC	21-Mar-17	no	n/a	collateral transfer	ord	718	718
BlackRock Investment Management (UK) Limited	21-Mar-17	no	n/a	collateral transfer	ord	10,360	10,360
BlackRock Investment Management (UK) Limited	22-Mar-17	yes	16.19	on mkt buy	ord	30,800	30,800
BlackRock Investment Management (Australia) Limited	22-Mar-17	yes	16.19	on mkt buy	ord	2,596	2,596
BlackRock Japan Co., Ltd.	22-Mar-17	no	n/a	collateral transfer	ord	14	14
BlackRock Asset Management North Asia Limited	22-Mar-17	no	n/a	collateral transfer	ord	6	6

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			Cash	Non-cash			
BlackRock Asset Management North Asia Limited	23-Mar-17	yes	16.75	on mkt buy	ord	888	888
BlackRock Fund Advisors	23-Mar-17	no	n/a	in specie	ord	12,322	12,322
BlackRock Asset Management North Asia Limited	23-Mar-17	no	n/a	collateral transfer	ord	927	927
BlackRock Investment Management (UK) Limited	24-Mar-17	yes	16.60	on mkt buy	ord	194,650	194,650
BlackRock Fund Advisors	24-Mar-17	yes	16.64	on mkt buy	ord	14,311	14,311
BlackRock Fund Advisors	24-Mar-17	no	n/a	in specie	ord	12,322	12,322
BlackRock Japan Co., Ltd.	24-Mar-17	no	n/a	collateral transfer	ord	27	27
BlackRock Investment Management, LLC	24-Mar-17	no	n/a	collateral transfer	ord	388	388
BlackRock Asset Management North Asia Limited	24-Mar-17	no	n/a	collateral transfer	ord	83	83
BlackRock Investment Management (UK) Limited	27-Mar-17	yes	16.81	on mkt buy	ord	208,964	208,964
BlackRock Fund Advisors	27-Mar-17	no	n/a	in specie	ord	704	704
BlackRock Fund Advisors	27-Mar-17	no	n/a	in specie	ord	12,322	12,322
BlackRock Japan Co., Ltd.	27-Mar-17	no	n/a	collateral transfer	ord	22,982	22,982
BlackRock Asset Management North Asia Limited	27-Mar-17	no	n/a	collateral transfer	ord	380	380
BlackRock Investment Management (UK) Limited	28-Mar-17	yes	17.01	on mkt buy	ord	215,450	215,450
BlackRock Advisors (UK) Limited	28-Mar-17	yes	17.11	on mkt buy	ord	2,694	2,694
BlackRock Advisors (UK) Limited	28-Mar-17	yes	17.11	on mkt buy	ord	8,082	8,082
BlackRock Investment Management (Australia) Limited	28-Mar-17	yes	17.11	on mkt buy	ord	7,827	7,827
BlackRock Investment Management (Australia) Limited	28-Mar-17	yes	17.11	on mkt buy	ord	6,531	6,531
BlackRock Advisors (UK) Limited	28-Mar-17	yes	17.11	on mkt buy	ord	207,742	207,742
BlackRock Fund Advisors	28-Mar-17	no	n/a	in specie	ord	33,159	33,159
BlackRock Advisors, LLC	28-Mar-17	no	n/a	collateral transfer	ord	305	305
BlackRock Japan Co., Ltd.	28-Mar-17	no	n/a	collateral transfer	ord	8	8
BlackRock Advisors (UK) Limited	28-Mar-17	no	n/a	collateral transfer	ord	449,108	449,108
BlackRock Asset Management North Asia Limited	28-Mar-17	no	n/a	collateral transfer	ord	1,028	1,028
BlackRock Fund Advisors	29-Mar-17	no	n/a	in specie	ord	19,570	19,570
BlackRock Fund Advisors	29-Mar-17	no	n/a	in specie	ord	54,796	54,796
BlackRock Asset Management North Asia Limited	29-Mar-17	no	n/a	collateral transfer	ord	818	818
BlackRock Fund Advisors	30-Mar-17	yes	17.56	on mkt buy	ord	9,522	9,522
BlackRock Investment Management (Australia) Limited	30-Mar-17	yes	17.59	on mkt buy	ord	20,070	20,070
BlackRock Advisors (UK) Limited	30-Mar-17	yes	17.55	on mkt buy	ord	2,694	2,694
BlackRock Fund Advisors	30-Mar-17	yes	17.59	on mkt buy	ord	28,507	28,507
BlackRock Institutional Trust Company, National Association	30-Mar-17	yes	17.59	on mkt buy	ord	109,702	109,702
BlackRock Fund Advisors	30-Mar-17	yes	17.59	on mkt buy	ord	11,011	11,011
BlackRock Fund Advisors	30-Mar-17	no	n/a	in specie	ord	43,054	43,054
BlackRock Fund Advisors	30-Mar-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Advisors, LLC	30-Mar-17	no	n/a	collateral transfer	ord	7	7
BlackRock Advisors (UK) Limited	30-Mar-17	no	n/a	collateral transfer	ord	233,250	233,250
BlackRock Financial Management, Inc.	30-Mar-17	no	n/a	collateral transfer	ord	6,903	6,903
BlackRock Investment Management, LLC	30-Mar-17	no	n/a	collateral transfer	ord	97,528	97,528
BlackRock Investment Management (UK) Limited	30-Mar-17	no	n/a	collateral transfer	ord	630,778	630,778
BlackRock Asset Management North Asia Limited	30-Mar-17	no	n/a	collateral transfer	ord	27,345	27,345
BlackRock Investment Management (UK) Limited	31-Mar-17	yes	17.49	on mkt buy	ord	35,050	35,050
BlackRock Advisors (UK) Limited	31-Mar-17	yes	17.35	on mkt buy	ord	8,082	8,082
BlackRock Advisors (UK) Limited	31-Mar-17	yes	17.35	on mkt buy	ord	7,734	7,734
BlackRock Investment Management (UK) Limited	31-Mar-17	no	n/a	in specie	ord	35,093	35,093
BlackRock Fund Advisors	31-Mar-17	no	n/a	in specie	ord	33,297	33,297
BlackRock Fund Advisors	31-Mar-17	no	n/a	in specie	ord	22,198	22,198

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		Cash	Non-cash		
BlackRock Institutional Trust Company, National Association	31-Mar-17	no	n/a	in specie	ord 32,046 32,046
BlackRock Advisors, LLC	31-Mar-17	no	n/a	collateral transfer	ord 1 1
BlackRock Japan Co., Ltd.	31-Mar-17	no	n/a	collateral transfer	ord 17 17
BlackRock Advisors (UK) Limited	31-Mar-17	no	n/a	collateral transfer	ord 39,619 39,619
BlackRock Financial Management, Inc.	31-Mar-17	no	n/a	collateral transfer	ord 1 1
BlackRock Investment Management (UK) Limited	31-Mar-17	no	n/a	collateral transfer	ord 97,425 97,425
BlackRock Investment Management (Australia) Limited	03-Apr-17	yes	17.55	on mkt buy	ord 20,070 20,070
BlackRock Advisors (UK) Limited	03-Apr-17	yes	17.55	on mkt buy	ord 2,766 2,766
BlackRock Institutional Trust Company, National Association	03-Apr-17	yes	17.55	on mkt buy	ord 23,896 23,896
BlackRock Institutional Trust Company, National Association	03-Apr-17	no	n/a	in specie	ord 5,467 5,467
BlackRock Japan Co., Ltd.	03-Apr-17	no	n/a	collateral transfer	ord 45 45
BlackRock Advisors (UK) Limited	03-Apr-17	no	n/a	collateral transfer	ord 356,590 356,590
BlackRock Investment Management, LLC	03-Apr-17	no	n/a	collateral transfer	ord 669 669
BlackRock Investment Management (UK) Limited	03-Apr-17	no	n/a	collateral transfer	ord 297 297
BlackRock Advisors (UK) Limited	04-Apr-17	yes	17.19	on mkt buy	ord 2,694 2,694
BlackRock Fund Advisors	04-Apr-17	yes	17.19	on mkt buy	ord 26,732 26,732
BlackRock Advisors (UK) Limited	04-Apr-17	yes	17.19	on mkt buy	ord 7,771 7,771
BlackRock Fund Advisors	04-Apr-17	no	n/a	in specie	ord 429 429
BlackRock Fund Advisors	04-Apr-17	no	n/a	in specie	ord 33,297 33,297
BlackRock Fund Advisors	04-Apr-17	no	n/a	in specie	ord 7,828 7,828
BlackRock Japan Co., Ltd.	04-Apr-17	no	n/a	collateral transfer	ord 22 22
BlackRock Advisors (UK) Limited	04-Apr-17	no	n/a	collateral transfer	ord 286,189 286,189
BlackRock Financial Management, Inc.	04-Apr-17	no	n/a	collateral transfer	ord 22 22
BlackRock Asset Management North Asia Limited	04-Apr-17	no	n/a	collateral transfer	ord 91 91
BlackRock Advisors (UK) Limited	05-Apr-17	yes	17.48	on mkt buy	ord 405 405
BlackRock Fund Advisors	05-Apr-17	yes	17.48	on mkt buy	ord 9,267 9,267
BlackRock Fund Advisors	05-Apr-17	no	n/a	in specie	ord 15,750 15,750
BlackRock Investment Management (UK) Limited	05-Apr-17	no	n/a	in specie	ord 14,640 14,640
BlackRock Fund Advisors	05-Apr-17	no	n/a	in specie	ord 23,484 23,484
BlackRock Fund Advisors	05-Apr-17	no	n/a	in specie	ord 5,928 5,928
BlackRock Fund Advisors	05-Apr-17	no	n/a	in specie	ord 5,928 5,928
BlackRock Japan Co., Ltd.	05-Apr-17	no	n/a	collateral transfer	ord 22,756 22,756
BlackRock Financial Management, Inc.	05-Apr-17	no	n/a	collateral transfer	ord 2 2
BlackRock Fund Advisors	06-Apr-17	yes	17.17	on mkt buy	ord 9,245 9,245
BlackRock Advisors (UK) Limited	06-Apr-17	yes	17.15	on mkt buy	ord 2,694 2,694
BlackRock Fund Advisors	06-Apr-17	yes	17.15	on mkt buy	ord 16,874 16,874
BlackRock Institutional Trust Company, National Association	06-Apr-17	yes	17.15	on mkt buy	ord 13,824 13,824
BlackRock Fund Advisors	06-Apr-17	yes	17.15	on mkt buy	ord 13,045 13,045
BlackRock Fund Advisors	06-Apr-17	no	n/a	in specie	ord 11,142 11,142
BlackRock Investment Management (UK) Limited	06-Apr-17	no	n/a	collateral transfer	ord 780 780
BlackRock Advisors (UK) Limited	07-Apr-17	yes	17.72	on mkt buy	ord 5,530 5,530
BlackRock Fund Advisors	07-Apr-17	yes	17.72	on mkt buy	ord 19,898 19,898
BlackRock Financial Management, Inc.	07-Apr-17	no	n/a	collateral transfer	ord 24 24
BlackRock Asset Management North Asia Limited	07-Apr-17	no	n/a	collateral transfer	ord 705 705
BlackRock Investment Management (UK) Limited	10-Apr-17	yes	17.89	on mkt buy	ord 19,450 19,450
BlackRock Fund Advisors	10-Apr-17	no	n/a	in specie	ord 31,080 31,080
BlackRock Fund Advisors	10-Apr-17	no	n/a	in specie	ord 15,656 15,656
BlackRock Financial Management, Inc.	10-Apr-17	no	n/a	collateral transfer	ord 3 3

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			Cash	Non-cash			
BlackRock Investment Management, LLC	10-Apr-17	no	n/a	collateral transfer	ord	206	206
BlackRock Asset Management North Asia Limited	10-Apr-17	no	n/a	collateral transfer	ord	251	251
BlackRock Asset Management North Asia Limited	11-Apr-17	yes	18.33	on mkt buy	ord	315	315
BlackRock Advisors, LLC	11-Apr-17	yes	18.46	on mkt buy	ord	706	706
BlackRock Advisors, LLC	11-Apr-17	yes	18.38	on mkt buy	ord	52,494	52,494
BlackRock Advisors (UK) Limited	11-Apr-17	yes	18.38	on mkt buy	ord	2,694	2,694
BlackRock Fund Advisors	11-Apr-17	yes	18.38	on mkt buy	ord	31,624	31,624
BlackRock Advisors, LLC	11-Apr-17	yes	18.38	on mkt buy	ord	1,314	1,314
BlackRock Fund Advisors	11-Apr-17	no	n/a	in specie	ord	5,245	5,245
BlackRock Advisors (UK) Limited	11-Apr-17	no	n/a	collateral transfer	ord	23,461	23,461
BlackRock Investment Management, LLC	11-Apr-17	no	n/a	collateral transfer	ord	452	452
BlackRock Asset Management North Asia Limited	11-Apr-17	no	n/a	collateral transfer	ord	843	843
BlackRock Investment Management (Australia) Limited	12-Apr-17	yes	18.10	on mkt buy	ord	11,362	11,362
BlackRock Asset Management Canada Limited	12-Apr-17	yes	18.10	on mkt buy	ord	3,593	3,593
BlackRock Investment Management (Australia) Limited	12-Apr-17	yes	18.10	on mkt buy	ord	2,682	2,682
BlackRock Fund Advisors	12-Apr-17	no	n/a	in specie	ord	4,244	4,244
BlackRock Fund Advisors	12-Apr-17	no	n/a	in specie	ord	53,050	53,050
BlackRock Fund Advisors	12-Apr-17	no	n/a	in specie	ord	6,366	6,366
BlackRock Investment Management, LLC	12-Apr-17	no	n/a	collateral transfer	ord	104	104
BlackRock Asset Management North Asia Limited	12-Apr-17	no	n/a	collateral transfer	ord	167	167
BlackRock Advisors, LLC	12-Apr-17	no	n/a	in specie	ord	132,469	132,469
BlackRock Investment Management (Australia) Limited	13-Apr-17	yes	17.92	on mkt buy	ord	16,044	16,044
BlackRock Investment Management (Australia) Limited	13-Apr-17	yes	17.92	on mkt buy	ord	4,011	4,011
BlackRock Fund Advisors	13-Apr-17	no	n/a	in specie	ord	26,500	26,500
BlackRock Japan Co., Ltd.	13-Apr-17	no	n/a	collateral transfer	ord	2,662	2,662
BlackRock Advisors (UK) Limited	13-Apr-17	no	n/a	collateral transfer	ord	38,961	38,961
BlackRock Investment Management (UK) Limited	13-Apr-17	no	n/a	collateral transfer	ord	418	418
BlackRock Asset Management North Asia Limited	13-Apr-17	no	n/a	collateral transfer	ord	153	153
BlackRock Financial Management, Inc.	14-Apr-17	no	n/a	collateral transfer	ord	2	2
BlackRock Investment Management (UK) Limited	14-Apr-17	no	n/a	collateral transfer	ord	33	33
BlackRock Asset Management North Asia Limited	14-Apr-17	no	n/a	collateral transfer	ord	1	1
BlackRock Financial Management, Inc.	17-Apr-17	no	n/a	collateral transfer	ord	2	2
BlackRock Investment Management, LLC	17-Apr-17	no	n/a	collateral transfer	ord	16	16
BlackRock Investment Management (UK) Limited	17-Apr-17	no	n/a	collateral transfer	ord	24	24
BlackRock Fund Advisors	18-Apr-17	yes	17.51	on mkt buy	ord	8,792	8,792
BlackRock Investment Management (Australia) Limited	18-Apr-17	yes	17.45	on mkt buy	ord	16,044	16,044
BlackRock Fund Advisors	18-Apr-17	yes	17.45	on mkt buy	ord	9,273	9,273
BlackRock Fund Advisors	18-Apr-17	no	n/a	in specie	ord	10,160	10,160
BlackRock Investment Management, LLC	18-Apr-17	no	n/a	collateral transfer	ord	138	138
BlackRock Investment Management (UK) Limited	18-Apr-17	no	n/a	collateral transfer	ord	222	222
BlackRock Asset Management North Asia Limited	18-Apr-17	no	n/a	collateral transfer	ord	39	39
BlackRock Advisors, LLC	19-Apr-17	yes	16.93	on mkt buy	ord	550	550
BlackRock Advisors (UK) Limited	19-Apr-17	yes	17.03	on mkt buy	ord	2,695	2,695
BlackRock Advisors (UK) Limited	19-Apr-17	yes	17.03	on mkt buy	ord	3,450	3,450
BlackRock Fund Advisors	19-Apr-17	no	n/a	in specie	ord	12,720	12,720
BlackRock Japan Co., Ltd.	19-Apr-17	no	n/a	collateral transfer	ord	2,079	2,079

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			Cash	Non-cash			
BlackRock Advisors (UK) Limited	19-Apr-17	no	n/a	collateral transfer	ord	114,055	114,055
BlackRock Investment Management, LLC	19-Apr-17	no	n/a	collateral transfer	ord	2,414	2,414
BlackRock Asset Management North Asia Limited	19-Apr-17	no	n/a	collateral transfer	ord	869	869
BlackRock Investment Management (UK) Limited	20-Apr-17	yes	16.95	on mkt buy	ord	13,649	13,649
BlackRock Institutional Trust Company, National Association	20-Apr-17	yes	16.96	on mkt buy	ord	132,249	132,249
BlackRock Advisors (UK) Limited	20-Apr-17	no	n/a	collateral transfer	ord	163,813	163,813
BlackRock Capital Management, Inc.	20-Apr-17	no	n/a	collateral transfer	ord	0	0
BlackRock Investment Management (UK) Limited	20-Apr-17	no	n/a	collateral transfer	ord	42	42
BlackRock Asset Management North Asia Limited	20-Apr-17	no	n/a	collateral transfer	ord	151	151
BlackRock Investment Management (UK) Limited	21-Apr-17	no	n/a	in specie	ord	9,521	9,521
BlackRock Investment Management (UK) Limited	21-Apr-17	no	n/a	in specie	ord	37,867	37,867
BlackRock Investment Management, LLC	21-Apr-17	no	n/a	collateral transfer	ord	1,843	1,843
BlackRock Asset Management North Asia Limited	21-Apr-17	no	n/a	collateral transfer	ord	2,366	2,366
BlackRock Advisors, LLC	24-Apr-17	yes	16.92	on mkt buy	ord	1,500	1,500
BlackRock Advisors (UK) Limited	24-Apr-17	yes	16.92	on mkt buy	ord	2,765	2,765
BlackRock Advisors (UK) Limited	24-Apr-17	yes	16.92	on mkt buy	ord	5,871	5,871
BlackRock Fund Advisors	24-Apr-17	yes	16.92	on mkt buy	ord	4,892	4,892
BlackRock Investment Management (UK) Limited	24-Apr-17	no	n/a	in specie	ord	89,266	89,266
BlackRock Japan Co., Ltd.	24-Apr-17	no	n/a	collateral transfer	ord	554	554
BlackRock Financial Management, Inc.	24-Apr-17	no	n/a	collateral transfer	ord	277	277
BlackRock Investment Management, LLC	24-Apr-17	no	n/a	collateral transfer	ord	941	941
BlackRock Investment Management (UK) Limited	24-Apr-17	no	n/a	collateral transfer	ord	14,030	14,030
BlackRock Asset Management North Asia Limited	24-Apr-17	no	n/a	collateral transfer	ord	989	989
BlackRock Fund Advisors	25-Apr-17	no	n/a	in specie	ord	429	429
BlackRock Advisors (UK) Limited	25-Apr-17	no	n/a	collateral transfer	ord	13,890	13,890
BlackRock Advisors (UK) Limited	26-Apr-17	yes	17.36	on mkt buy	ord	14,577	14,577
BlackRock Fund Advisors	26-Apr-17	yes	17.36	on mkt buy	ord	604	604
BlackRock Fund Advisors	26-Apr-17	no	n/a	in specie	ord	9,153	9,153
BlackRock Japan Co., Ltd.	26-Apr-17	no	n/a	collateral transfer	ord	234,999	234,999
BlackRock Financial Management, Inc.	26-Apr-17	no	n/a	collateral transfer	ord	9,958	9,958
BlackRock Asset Management North Asia Limited	26-Apr-17	no	n/a	collateral transfer	ord	3,442	3,442
BlackRock Fund Advisors	27-Apr-17	no	n/a	in specie	ord	9,153	9,153
BlackRock Fund Advisors	27-Apr-17	no	n/a	in specie	ord	704	704
BlackRock Financial Management, Inc.	27-Apr-17	no	n/a	collateral transfer	ord	22,283	22,283
BlackRock Investment Management, LLC	27-Apr-17	no	n/a	collateral transfer	ord	79,562	79,562
BlackRock Investment Management (UK) Limited	27-Apr-17	no	n/a	collateral transfer	ord	121,655	121,655
BlackRock Asset Management North Asia Limited	27-Apr-17	no	n/a	collateral transfer	ord	11,497	11,497
BlackRock Advisors, LLC	28-Apr-17	yes	16.68	on mkt buy	ord	6,300	6,300
BlackRock Advisors (UK) Limited	28-Apr-17	yes	16.70	on mkt buy	ord	812	812
BlackRock Investment Management (Australia) Limited	28-Apr-17	yes	16.70	on mkt buy	ord	9,134	9,134
BlackRock Fund Advisors	28-Apr-17	yes	16.70	on mkt buy	ord	24,125	24,125
BlackRock Fund Advisors	28-Apr-17	no	n/a	in specie	ord	10,170	10,170
BlackRock Institutional Trust Company, National Association	28-Apr-17	no	n/a	in specie	ord	37,456	37,456
BlackRock Fund Advisors	28-Apr-17	no	n/a	in specie	ord	8,890	8,890
BlackRock Institutional Trust Company, National Association	28-Apr-17	no	n/a	in specie	ord	19,387	19,387

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 Financial Management, Inc.	28-Apr-17	no	n/a	collateral transfer	ord	204	204
BlackRock Investment Management (UK) Limited	28-Apr-17	no	n/a	collateral transfer	ord	706	706
BlackRock Asset Management North Asia Limited	28-Apr-17	no	n/a	collateral transfer	ord	678	678
BlackRock Asset Management Canada Limited	01-May-17	yes	17.18	on mkt buy	ord	5,005	5,005
BlackRock Investment Management (UK) Limited	01-May-17	yes	17.08	on mkt buy	ord	31,326	31,326
BlackRock Investment Management (Australia) Limited	01-May-17	yes	17.09	on mkt buy	ord	17,556	17,556
BlackRock Investment Management, LLC	01-May-17	yes	17.09	on mkt buy	ord	2,349	2,349
BlackRock Advisors (UK) Limited	01-May-17	yes	17.09	on mkt buy	ord	12,868	12,868
BlackRock Institutional Trust Company, National Association	01-May-17	no	n/a	in specie	ord	10,928	10,928
BlackRock Financial Management, Inc.	01-May-17	no	n/a	collateral transfer	ord	105	105
BlackRock Asset Management Canada Limited	02-May-17	yes	16.87	on mkt buy	ord	476	476
BlackRock Institutional Trust Company, National Association	02-May-17	yes	16.87	on mkt buy	ord	7,199	7,199
BlackRock Fund Advisors	02-May-17	yes	16.73	on mkt buy	ord	24,996	24,996
BlackRock Investment Management (UK) Limited	02-May-17	no	n/a	in specie	ord	16,629	16,629
BlackRock Fund Advisors	02-May-17	no	n/a	in specie	ord	5,280	5,280
BlackRock Advisors (UK) Limited	02-May-17	no	n/a	collateral transfer	ord	284,995	284,995
BlackRock Investment Management, LLC	02-May-17	no	n/a	collateral transfer	ord	7,451	7,451