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 52nd Street New York, NY 10055 USA	55 East 52nd Street New York, NY 10055 USA

4. Date substantial shareholding arose. 06 July 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
76,286,003	5.00%

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.

1,523,631,192

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.	In Specie transfer of shares increasing holding above 5%.	
Number of voting shares affected by the transaction.	87,298	
The consideration for the transaction (Kina).	N/A	
Name of the other party to the transaction (if known). *****	In Specie Transaction – in specie 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 52nd 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 Financial Management, Inc.	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Fund Advisors	400 Howard Street San Francisco, CA, 94105 United States	Same as registered office
Not applicable	BlackRock Institutional	1225 17th Street,	Same as

	Trust Company, National Association	Suite 300, Denver, CO 80202 (Colorado, USA)	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 20.

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: 10 July 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

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 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	1,898,204	1,898,204	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	1,295,741	1,295,741	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	116,047	116,047	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.	NT-NORTHERN TRUST CO. - CHICAGO		ord	131,900	131,900	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.	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.	RBC-ROYAL TRUST - TORONTO		ord	86,073	86,073	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 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	29,681	29,681	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 EUROPE - LONDON		ord	14,411	14,411	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	871,747	871,747	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 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	218,314	218,314	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 - COGENT		ord	193,222	193,222	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	4,156	4,156	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.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ord	3,289,000	3,289,000	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	82,816	82,816	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	1,902,579	1,902,579	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	276,792	276,792	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.	JPM-JP MORGAN CHASE - NEW YORK		ord	88,029	88,029	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.	BNYM-BONY LUXEMBOURG		ord	6,576,790	6,576,790	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	566,414	566,414	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.	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.	CITI-CITIBANK, LONDON		ord	663,793	663,793	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.	KAS-KAS BANK - AMSTERDAM		ord	451,356	451,356	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.	SSB-STATE STREET BANK, GERMANY		ord	93,833	93,833	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.

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.	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 LONDON		ord	465,951	465,951	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 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	230,010	230,010	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 (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	64,741	64,741	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.	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.	SSB-SSB NEW YORK INSTITUTIONAL		ord	204,495	204,495	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	289,065	289,065	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	2,918,296	2,918,296	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	1,044,363	1,044,363	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	3,645,393	3,645,393	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 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 (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.	RBC-RBC DEXIA LUXEMBOURG		ord	57,918	57,918	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 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	23,135	23,135	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	7,832	7,832	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		ord	597,444	597,444	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	406,069	406,069	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	69,216	69,216	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 SACRAMENTO		ord	16,764,090	16,764,090	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 BANK, BOSTON		ord	244,944	244,944	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	471,742	471,742	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 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 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	1,712,072	1,712,072	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	477,157	477,157	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	81,612	81,612	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 NEW YORK INSTITUTIONAL		ord	995,617	995,617	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	16,976,717	16,976,717	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	64,233	64,233	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.	SSB-STATE STATE HONG KONG		ord	536,233	536,233	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	132,662	132,662	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.	SSB-STATE STREET BANK, BOSTON		ord	19,839	19,839	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 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.	MITSUI-SUMITOMO TRUST		ord	16,252	16,252	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	2,315,227	2,315,227	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	64,432	64,432	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	805,849	805,849	subsidiary of BlackRock Inc.

Annexure B

This is Annexure B of 13 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 (UK) Limited	07-Mar-17	yes	16.57	on mkt buy	ord	35,400	35,400
BlackRock Asset Management Canada Limited	07-Mar-17	yes	16.52	on mkt buy	ord	5,703	5,703
BlackRock Advisors, LLC	08-Mar-17	yes	16.34	on mkt buy	ord	4,600	4,600
BlackRock Fund Advisors	08-Mar-17	no	n/a	in specie	ord	15,645	15,645
BlackRock Fund Advisors	08-Mar-17	no	n/a	in specie	ord	5,215	5,215
BlackRock Fund Advisors	09-Mar-17	yes	16.38	on mkt buy	ord	8,198	8,198
BlackRock Fund Advisors	09-Mar-17	no	n/a	in specie	ord	10,430	10,430
BlackRock Fund Advisors	09-Mar-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Advisors (UK) Limited	09-Mar-17	no	n/a	collateral transfer	ord	52,536	52,536
BlackRock Advisors (UK) Limited	10-Mar-17	yes	16.21	on mkt buy	ord	1,028	1,028
BlackRock Advisors (UK) Limited	10-Mar-17	yes	16.21	on mkt buy	ord	584	584
BlackRock Fund Advisors	10-Mar-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Japan Co., Ltd.	10-Mar-17	no	n/a	collateral transfer	ord	505,882	505,882
BlackRock Advisors (UK) Limited	10-Mar-17	no	n/a	collateral transfer	ord	541,401	541,401
BlackRock Investment Management (Australia) Limited	13-Mar-17	no	n/a	in specie	ord	650,312	650,312
BlackRock Japan Co., Ltd.	13-Mar-17	no	n/a	collateral transfer	ord	227,011	227,011
BlackRock Financial Management, Inc.	14-Mar-17	yes	16.12	on mkt buy	ord	1,600	1,600
BlackRock Investment Management (UK) Limited	14-Mar-17	yes	16.19	on mkt buy	ord	33	33
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 Asset Management North Asia Limited	15-Mar-17	no	n/a	collateral transfer	ord	1,062	1,062
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

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	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 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
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

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 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
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

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 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
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 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 Advisors, LLC	13-Apr-17	no	n/a	in specie	ord	132,469	132,469
BlackRock Japan Co., Ltd.	13-Apr-17	no	n/a	collateral transfer	ord	2,662	2,662

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	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
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 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

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	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 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
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 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 Fund Advisors	02-May-17	yes	16.73	on mkt buy	ord	24,996	24,996
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
BlackRock Advisors (UK) Limited	03-May-17	yes	17.15	on mkt buy	ord	584	584
BlackRock Fund Advisors	03-May-17	no	n/a	in specie	ord	24,944	24,944
BlackRock Financial Management, Inc.	03-May-17	no	n/a	collateral transfer	ord	11,030	11,030
BlackRock Investment Management, LLC	03-May-17	no	n/a	collateral transfer	ord	12,323	12,323
BlackRock Investment Management (UK) Limited	03-May-17	no	n/a	collateral transfer	ord	26,120	26,120
BlackRock Asset Management North Asia Limited	03-May-17	no	n/a	collateral transfer	ord	527	527
BlackRock Advisors (UK) Limited	04-May-17	yes	17.01	on mkt buy	ord	2,740	2,740
BlackRock Investment Management (Australia) Limited	04-May-17	yes	17.01	on mkt buy	ord	35,950	35,950
BlackRock Fund Advisors	04-May-17	no	n/a	in specie	ord	2,172	2,172
BlackRock Financial Management, Inc.	04-May-17	no	n/a	collateral transfer	ord	10,118	10,118
BlackRock Investment Management (UK) Limited	04-May-17	no	n/a	collateral transfer	ord	229,087	229,087
BlackRock Asset Management North Asia Limited	04-May-17	no	n/a	collateral transfer	ord	3,171	3,171
BlackRock Fund Advisors	05-May-17	no	n/a	in specie	ord	62,624	62,624

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	05-May-17	no	n/a	collateral transfer	ord	4,670	4,670
BlackRock Investment Management (UK) Limited	05-May-17	no	n/a	collateral transfer	ord	6,005	6,005
BlackRock Asset Management North Asia Limited	05-May-17	no	n/a	collateral transfer	ord	3,550	3,550
BlackRock Institutional Trust Company, National Association	08-May-17	no	n/a	in specie	ord	7,199	7,199
BlackRock Fund Advisors	08-May-17	yes	17.01	on mkt buy	ord	20,672	20,672
BlackRock Investment Management (UK) Limited	08-May-17	no	n/a	in specie	ord	86,215	86,215
BlackRock Fund Advisors	08-May-17	no	n/a	in specie	ord	18,708	18,708
BlackRock Fund Advisors	08-May-17	no	n/a	in specie	ord	11,742	11,742
BlackRock Japan Co., Ltd.	08-May-17	no	n/a	collateral transfer	ord	49,999	49,999
BlackRock Asset Management North Asia Limited	08-May-17	no	n/a	collateral transfer	ord	2,584	2,584
BlackRock Fund Advisors	09-May-17	yes	17.10	on mkt buy	ord	38,553	38,553
BlackRock Advisors (UK) Limited	09-May-17	yes	17.10	on mkt buy	ord	2,740	2,740
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	ord	429	429
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	ord	3,620	3,620
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	ord	11,742	11,742
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	ord	5,928	5,928
BlackRock Fund Advisors	09-May-17	no	n/a	in specie	ord	19,570	19,570
BlackRock Japan Co., Ltd.	09-May-17	no	n/a	collateral transfer	ord	1	1
BlackRock Advisors (UK) Limited	09-May-17	no	n/a	collateral transfer	ord	1	1
BlackRock Financial Management, Inc.	09-May-17	no	n/a	collateral transfer	ord	28	28
BlackRock Investment Management (UK) Limited	09-May-17	no	n/a	collateral transfer	ord	1,799	1,799
BlackRock Asset Management North Asia Limited	09-May-17	no	n/a	collateral transfer	ord	1,955	1,955
BlackRock Investment Management (UK) Limited	10-May-17	yes	16.98	on mkt buy	ord	30,983	30,983
BlackRock Fund Advisors	10-May-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Fund Advisors	10-May-17	no	n/a	in specie	ord	5,712	5,712
BlackRock Fund Advisors	10-May-17	no	n/a	in specie	ord	19,570	19,570
BlackRock Financial Management, Inc.	10-May-17	no	n/a	collateral transfer	ord	1,580	1,580
BlackRock Investment Management (UK) Limited	10-May-17	no	n/a	collateral transfer	ord	18,776	18,776
BlackRock Institutional Trust Company, National Association	11-May-17	yes	16.87	on mkt buy	ord	10,202	10,202
BlackRock Fund Advisors	11-May-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Institutional Trust Company, National Association	11-May-17	no	n/a	in specie	ord	8,988	8,988
BlackRock Advisors (UK) Limited	11-May-17	no	n/a	collateral transfer	ord	34,535	34,535
BlackRock Financial Management, Inc.	11-May-17	no	n/a	collateral transfer	ord	26	26
BlackRock Asset Management North Asia Limited	11-May-17	no	n/a	collateral transfer	ord	614	614
BlackRock Advisors (UK) Limited	12-May-17	yes	16.68	on mkt buy	ord	16,458	16,458
BlackRock Advisors (UK) Limited	12-May-17	yes	16.71	on mkt buy	ord	8,361	8,361
BlackRock Advisors (UK) Limited	12-May-17	yes	16.71	on mkt buy	ord	516	516
BlackRock Advisors (UK) Limited	12-May-17	yes	16.71	on mkt buy	ord	3,087	3,087
BlackRock Fund Advisors	12-May-17	yes	16.71	on mkt buy	ord	57,090	57,090
BlackRock Fund Advisors	12-May-17	no	n/a	in specie	ord	27,398	27,398
BlackRock Fund Advisors	12-May-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Advisors (UK) Limited	12-May-17	no	n/a	in specie	ord	4,254	4,254
BlackRock Advisors (UK) Limited	12-May-17	no	n/a	collateral transfer	ord	29,867	29,867
BlackRock Financial Management, Inc.	12-May-17	no	n/a	collateral transfer	ord	63	63
BlackRock Investment Management, LLC	12-May-17	no	n/a	collateral transfer	ord	97	97
BlackRock Asset Management North Asia Limited	12-May-17	no	n/a	collateral transfer	ord	1,058	1,058
BlackRock Advisors (UK) Limited	15-May-17	yes	16.84	on mkt buy	ord	8,229	8,229
BlackRock Advisors (UK) Limited	15-May-17	yes	16.97	on mkt buy	ord	11,930	11,930
BlackRock Fund Advisors	15-May-17	no	n/a	in specie	ord	10,760	10,760
BlackRock Fund Advisors	15-May-17	no	n/a	in specie	ord	3,786	3,786
BlackRock Fund Advisors	15-May-17	no	n/a	in specie	ord	19,570	19,570

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	15-May-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Institutional Trust Company, National Association	15-May-17	no	n/a	in specie	ord	21,864	21,864
BlackRock Advisors (UK) Limited	15-May-17	no	n/a	collateral transfer	ord	93,805	93,805
BlackRock Investment Management, LLC	15-May-17	no	n/a	collateral transfer	ord	225	225
BlackRock Asset Management North Asia Limited	15-May-17	no	n/a	collateral transfer	ord	510	510
BlackRock Advisors (UK) Limited	16-May-17	yes	17.12	on mkt buy	ord	13,715	13,715
BlackRock Advisors (UK) Limited	16-May-17	yes	17.12	on mkt buy	ord	517	517
BlackRock Advisors (UK) Limited	16-May-17	yes	17.12	on mkt buy	ord	6,192	6,192
BlackRock Institutional Trust Company, National Association	16-May-17	yes	17.12	on mkt buy	ord	48,965	48,965
BlackRock Institutional Trust Company, National Association	16-May-17	yes	17.12	on mkt buy	ord	90,831	90,831
BlackRock Investment Management (Australia) Limited	16-May-17	yes	17.12	on mkt buy	ord	12,646	12,646
BlackRock Investment Management (Australia) Limited	16-May-17	yes	17.12	on mkt buy	ord	5,848	5,848
BlackRock Investment Management (Australia) Limited	16-May-17	yes	17.12	on mkt buy	ord	8,556	8,556
BlackRock Advisors (UK) Limited	16-May-17	no	n/a	in specie	ord	16,629	16,629
BlackRock Fund Advisors	16-May-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Fund Advisors	16-May-17	no	n/a	in specie	ord	15,656	15,656
BlackRock Fund Advisors	16-May-17	no	n/a	in specie	ord	27,398	27,398
BlackRock Financial Management, Inc.	16-May-17	no	n/a	collateral transfer	ord	6,677	6,677
BlackRock Investment Management, LLC	16-May-17	no	n/a	collateral transfer	ord	639	639
BlackRock Investment Management (UK) Limited	16-May-17	no	n/a	collateral transfer	ord	42,667	42,667
BlackRock Asset Management North Asia Limited	16-May-17	no	n/a	collateral transfer	ord	16	16
BlackRock Fund Advisors	17-May-17	yes	16.80	on mkt buy	ord	10,584	10,584
BlackRock Institutional Trust Company, National Association	17-May-17	yes	16.90	on mkt buy	ord	56,201	56,201
BlackRock Institutional Trust Company, National Association	17-May-17	yes	16.90	on mkt buy	ord	35,277	35,277
BlackRock Fund Advisors	17-May-17	yes	16.90	on mkt buy	ord	11,552	11,552
BlackRock Advisors, LLC	17-May-17	yes	16.90	on mkt buy	ord	133,148	133,148
BlackRock Fund Advisors	17-May-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Financial Management, Inc.	17-May-17	no	n/a	collateral transfer	ord	1,205	1,205
BlackRock Asset Management North Asia Limited	17-May-17	no	n/a	collateral transfer	ord	626	626
BlackRock Investment Management (UK) Limited	18-May-17	yes	16.71	on mkt buy	ord	29,127	29,127
BlackRock Advisors (UK) Limited	18-May-17	yes	16.79	on mkt buy	ord	8,223	8,223
BlackRock Advisors (UK) Limited	18-May-17	yes	16.71	on mkt buy	ord	2,741	2,741
BlackRock Advisors (UK) Limited	18-May-17	yes	16.79	on mkt buy	ord	3,096	3,096
BlackRock Advisors (UK) Limited	18-May-17	yes	16.79	on mkt buy	ord	688	688
BlackRock Advisors (UK) Limited	18-May-17	yes	16.79	on mkt buy	ord	89,221	89,221
BlackRock Investment Management (Australia) Limited	18-May-17	yes	16.79	on mkt buy	ord	3,381	3,381
BlackRock Advisors (UK) Limited	18-May-17	yes	16.79	on mkt buy	ord	2,741	2,741
BlackRock Fund Advisors	18-May-17	no	n/a	in specie	ord	33,573	33,573
BlackRock Institutional Trust Company, National Association	18-May-17	no	n/a	in specie	ord	6,910	6,910
BlackRock Investment Management (Australia) Limited	18-May-17	no	n/a	in specie	ord	111,698	111,698
BlackRock Japan Co., Ltd.	18-May-17	no	n/a	collateral transfer	ord	49,999	49,999
BlackRock Investment Management (UK) Limited	18-May-17	no	n/a	collateral transfer	ord	17,503	17,503
BlackRock Advisors (UK) Limited	19-May-17	yes	16.62	on mkt buy	ord	3,440	3,440
BlackRock Investment Management (Australia) Limited	19-May-17	yes	16.74	on mkt buy	ord	10,377	10,377
BlackRock Fund Advisors	19-May-17	no	n/a	in specie	ord	1,056	1,056
BlackRock Japan Co., Ltd.	19-May-17	no	n/a	collateral transfer	ord	1	1
BlackRock Investment Management, LLC	19-May-17	no	n/a	collateral transfer	ord	536	536
BlackRock Investment Management (UK) Limited	19-May-17	no	n/a	collateral transfer	ord	18,847	18,847

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 Asset Management North Asia Limited	19-May-17	no	n/a	collateral transfer	ord	1,720	1,720
BlackRock Advisors (UK) Limited	22-May-17	yes	17.36	on mkt buy	ord	2,741	2,741
BlackRock Fund Advisors	22-May-17	no	n/a	in specie	ord	11,742	11,742
BlackRock Fund Advisors	22-May-17	no	n/a	in specie	ord	7,828	7,828
BlackRock Fund Advisors	22-May-17	no	n/a	in specie	ord	35,226	35,226
BlackRock Advisors (UK) Limited	23-May-17	yes	17.39	on mkt buy	ord	13,985	13,985
BlackRock Advisors (UK) Limited	23-May-17	yes	17.39	on mkt buy	ord	1,720	1,720
BlackRock Fund Advisors	23-May-17	no	n/a	in specie	ord	19,570	19,570
BlackRock Japan Co., Ltd.	23-May-17	no	n/a	collateral transfer	ord	50,000	50,000
BlackRock Advisors (UK) Limited	24-May-17	yes	17.57	on mkt buy	ord	2,064	2,064
BlackRock Advisors (UK) Limited	24-May-17	yes	17.57	on mkt buy	ord	2,752	2,752
BlackRock Fund Advisors	24-May-17	yes	17.57	on mkt buy	ord	23,988	23,988
BlackRock Investment Management (Australia) Limited	24-May-17	no	n/a	in specie	ord	9,690	9,690
BlackRock Fund Advisors	24-May-17	no	n/a	in specie	ord	429	429
BlackRock Investment Management, LLC	24-May-17	no	n/a	collateral transfer	ord	190,325	190,325
BlackRock Investment Management (UK) Limited	24-May-17	no	n/a	collateral transfer	ord	762,858	762,858
BlackRock Asset Management North Asia Limited	24-May-17	no	n/a	collateral transfer	ord	542,949	542,949
BlackRock Advisors (UK) Limited	25-May-17	yes	17.45	on mkt buy	ord	8,223	8,223
BlackRock Institutional Trust Company, National Association	25-May-17	yes	17.45	on mkt buy	ord	26,817	26,817
BlackRock Investment Management (Australia) Limited	25-May-17	yes	17.45	on mkt buy	ord	2,668	2,668
BlackRock Investment Management, LLC	25-May-17	no	n/a	collateral transfer	ord	153,866	153,866
BlackRock Advisors (UK) Limited	26-May-17	yes	17.11	on mkt buy	ord	41,967	41,967
BlackRock Advisors (UK) Limited	26-May-17	yes	17.17	on mkt buy	ord	2,741	2,741
BlackRock Advisors (UK) Limited	26-May-17	yes	17.17	on mkt buy	ord	24,816	24,816
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	ord	12,744	12,744
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	ord	15,656	15,656
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	ord	8,890	8,890
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	ord	1,056	1,056
BlackRock Fund Advisors	26-May-17	no	n/a	in specie	ord	11,856	11,856
BlackRock Institutional Trust Company, National Association	26-May-17	no	n/a	in specie	ord	411,300	411,300
BlackRock Investment Management (UK) Limited	26-May-17	no	n/a	in specie	ord	46,442	46,442
BlackRock Investment Management (UK) Limited	26-May-17	no	n/a	in specie	ord	12,523	12,523
BlackRock Advisors, LLC	26-May-17	no	n/a	in specie	ord	124,539	124,539
BlackRock Advisors (UK) Limited	26-May-17	no	n/a	collateral transfer	ord	47,924	47,924
BlackRock Investment Management (UK) Limited	26-May-17	no	n/a	collateral transfer	ord	29,592	29,592
BlackRock Advisors (UK) Limited	29-May-17	yes	16.80	on mkt buy	ord	1,521	1,521
BlackRock Advisors (UK) Limited	29-May-17	yes	16.85	on mkt buy	ord	1,521	1,521
BlackRock Japan Co., Ltd.	29-May-17	no	n/a	collateral transfer	ord	4,884	4,884
BlackRock Asset Management North Asia Limited	29-May-17	no	n/a	collateral transfer	ord	149,138	149,138
BlackRock Advisors (UK) Limited	30-May-17	yes	16.76	on mkt buy	ord	6,083	6,083
BlackRock Fund Advisors	30-May-17	no	n/a	in specie	ord	429	429
BlackRock Fund Advisors	30-May-17	no	n/a	in specie	ord	35,226	35,226
BlackRock Fund Advisors	30-May-17	no	n/a	in specie	ord	15,656	15,656
BlackRock Advisors (UK) Limited	30-May-17	no	n/a	collateral transfer	ord	1,615	1,615
BlackRock Investment Management (UK) Limited	30-May-17	no	n/a	collateral transfer	ord	6,009	6,009
BlackRock Asset Management North Asia Limited	30-May-17	no	n/a	collateral transfer	ord	19,045	19,045
BlackRock Investment Management (UK) Limited	31-May-17	yes	16.52	on mkt buy	ord	27,853	27,853
BlackRock Institutional Trust Company, National Association	31-May-17	yes	16.53	on mkt buy	ord	17,924	17,924
BlackRock Fund Advisors	31-May-17	yes	16.53	on mkt buy	ord	55,190	55,190
BlackRock Institutional Trust Company, National Association	31-May-17	yes	16.53	on mkt buy	ord	6,825	6,825
BlackRock Advisors (UK) Limited	31-May-17	yes	16.51	on mkt buy	ord	44,889	44,889
BlackRock Advisors (UK) Limited	31-May-17	yes	16.53	on mkt buy	ord	5,462	5,462
BlackRock Advisors (UK) Limited	31-May-17	yes	16.52	on mkt buy	ord	5,462	5,462

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	31-May-17	yes	16.53	on mkt buy	ord	1,091	1,091
BlackRock Asset Management Canada Limited	31-May-17	yes	16.53	on mkt buy	ord	1,591	1,591
BlackRock Institutional Trust Company, National Association	31-May-17	yes	16.53	on mkt buy	ord	417	417
BlackRock International Limited	31-May-17	yes	16.53	on mkt buy	ord	1,176	1,176
BlackRock Fund Advisors	31-May-17	yes	16.53	on mkt buy	ord	1,285	1,285
BlackRock (Netherlands) B.V.	31-May-17	yes	16.53	on mkt buy	ord	251	251
BlackRock Institutional Trust Company, National Association	31-May-17	yes	16.53	on mkt buy	ord	158	158
BlackRock Institutional Trust Company, National Association	31-May-17	yes	16.53	on mkt buy	ord	114	114
BlackRock Advisors (UK) Limited	31-May-17	yes	16.53	on mkt buy	ord	10,272	10,272
BlackRock Asset Management Canada Limited	31-May-17	yes	16.53	on mkt buy	ord	14,980	14,980
BlackRock Institutional Trust Company, National Association	31-May-17	yes	16.53	on mkt buy	ord	3,931	3,931
BlackRock International Limited	31-May-17	yes	16.53	on mkt buy	ord	11,075	11,075
BlackRock Fund Advisors	31-May-17	yes	16.53	on mkt buy	ord	12,105	12,105
BlackRock (Netherlands) B.V.	31-May-17	yes	16.53	on mkt buy	ord	2,366	2,366
BlackRock Institutional Trust Company, National Association	31-May-17	yes	16.53	on mkt buy	ord	1,498	1,498
BlackRock Institutional Trust Company, National Association	31-May-17	yes	16.53	on mkt buy	ord	1,077	1,077
BlackRock Investment Management (Australia) Limited	31-May-17	yes	16.53	on mkt buy	ord	571	571
BlackRock Investment Management (UK) Limited	31-May-17	yes	16.53	on mkt buy	ord	9,299	9,299
BlackRock Investment Management (UK) Limited	31-May-17	no	n/a	collateral transfer	ord	106,907	106,907
BlackRock Fund Advisors	01-Jun-17	yes	16.20	on mkt buy	ord	9,409	9,409
BlackRock Advisors (UK) Limited	01-Jun-17	yes	16.25	on mkt buy	ord	6,083	6,083
BlackRock Advisors (UK) Limited	01-Jun-17	yes	16.26	on mkt buy	ord	8,274	8,274
BlackRock Advisors (UK) Limited	01-Jun-17	yes	16.26	on mkt buy	ord	2,408	2,408
BlackRock Investment Management (Australia) Limited	01-Jun-17	yes	16.26	on mkt buy	ord	9,465	9,465
BlackRock Investment Management, LLC	01-Jun-17	no	n/a	collateral transfer	ord	11,689	11,689
BlackRock Investment Management (UK) Limited	01-Jun-17	no	n/a	collateral transfer	ord	96,854	96,854
BlackRock Advisors (UK) Limited	02-Jun-17	yes	16.55	on mkt buy	ord	2,731	2,731
BlackRock Investment Management, LLC	02-Jun-17	no	n/a	collateral transfer	ord	5,845	5,845
BlackRock Investment Management (UK) Limited	02-Jun-17	no	n/a	collateral transfer	ord	20,180	20,180
BlackRock Advisors, LLC	05-Jun-17	yes	16.26	on mkt buy	ord	800	800
BlackRock Investment Management (UK) Limited	05-Jun-17	yes	16.26	on mkt buy	ord	74,000	74,000
BlackRock Investment Management, LLC	05-Jun-17	no	n/a	collateral transfer	ord	9,443	9,443
BlackRock Advisors (UK) Limited	06-Jun-17	yes	16.48	on mkt buy	ord	5,462	5,462
BlackRock Advisors (UK) Limited	06-Jun-17	yes	16.48	on mkt buy	ord	3,450	3,450
BlackRock Fund Advisors	06-Jun-17	no	n/a	in specie	ord	27,650	27,650
BlackRock Investment Management, LLC	06-Jun-17	no	n/a	collateral transfer	ord	68,833	68,833
BlackRock Investment Management (UK) Limited	07-Jun-17	yes	16.63	on mkt buy	ord	36,000	36,000
BlackRock Fund Advisors	07-Jun-17	no	n/a	in specie	ord	9,282	9,282
BlackRock Fund Advisors	07-Jun-17	no	n/a	in specie	ord	5,048	5,048
BlackRock Investment Management (UK) Limited	07-Jun-17	no	n/a	in specie	ord	57,227	57,227
BlackRock Investment Management (UK) Limited	07-Jun-17	no	n/a	in specie	ord	214,942	214,942
BlackRock Investment Management (UK) Limited	07-Jun-17	no	n/a	collateral transfer	ord	103,653	103,653
BlackRock Investment Management (UK) Limited	08-Jun-17	yes	15.85	on mkt buy	ord	20,200	20,200
BlackRock Advisors (UK) Limited	08-Jun-17	yes	16.12	on mkt buy	ord	2,758	2,758
BlackRock Fund Advisors	08-Jun-17	no	n/a	in specie	ord	2,499	2,499
BlackRock Advisors (UK) Limited	08-Jun-17	no	n/a	collateral transfer	ord	34,304	34,304
BlackRock Investment Management, LLC	08-Jun-17	no	n/a	collateral transfer	ord	54,012	54,012
BlackRock Advisors (UK) Limited	09-Jun-17	yes	15.92	on mkt buy	ord	812	812

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-Jun-17	no	n/a	collateral transfer	ord	27,308	27,308
BlackRock Investment Management, LLC	09-Jun-17	no	n/a	collateral transfer	ord	45,166	45,166
BlackRock Fund Advisors	12-Jun-17	no	n/a	in specie	ord	7,900	7,900
BlackRock Investment Management (UK) Limited	12-Jun-17	no	n/a	collateral transfer	ord	9,444	9,444
BlackRock Advisors (UK) Limited	13-Jun-17	yes	16.14	on mkt buy	ord	13,790	13,790
BlackRock Advisors (UK) Limited	13-Jun-17	yes	16.14	on mkt buy	ord	458	458
BlackRock Fund Advisors	13-Jun-17	no	n/a	in specie	ord	19,750	19,750
BlackRock Japan Co., Ltd.	13-Jun-17	no	n/a	collateral transfer	ord	50,000	50,000
BlackRock Investment Management, LLC	13-Jun-17	no	n/a	collateral transfer	ord	11,588	11,588
BlackRock Investment Management (Australia) Limited	14-Jun-17	yes	16.19	on mkt buy	ord	27,179	27,179
BlackRock Investment Management (Australia) Limited	14-Jun-17	yes	16.19	on mkt buy	ord	5,244	5,244
BlackRock Advisors (UK) Limited	14-Jun-17	yes	16.16	on mkt buy	ord	11,032	11,032
BlackRock Advisors (UK) Limited	14-Jun-17	yes	16.19	on mkt buy	ord	13,832	13,832
BlackRock Advisors (UK) Limited	14-Jun-17	yes	16.16	on mkt buy	ord	227	227
BlackRock Advisors (UK) Limited	14-Jun-17	yes	16.16	on mkt buy	ord	1,725	1,725
BlackRock Advisors (UK) Limited	14-Jun-17	yes	16.17	on mkt buy	ord	68,950	68,950
BlackRock Fund Advisors	14-Jun-17	no	n/a	in specie	ord	3,213	3,213
BlackRock Fund Advisors	14-Jun-17	no	n/a	in specie	ord	15,870	15,870
BlackRock Advisors (UK) Limited	14-Jun-17	no	n/a	collateral transfer	ord	13,718	13,718
BlackRock Investment Management (UK) Limited	14-Jun-17	no	n/a	collateral transfer	ord	12,751	12,751
BlackRock Asset Management North Asia Limited	14-Jun-17	no	n/a	collateral transfer	ord	58,751	58,751
BlackRock Advisors (UK) Limited	15-Jun-17	yes	15.97	on mkt buy	ord	8,274	8,274
BlackRock Advisors (UK) Limited	15-Jun-17	yes	15.97	on mkt buy	ord	2,415	2,415
BlackRock Investment Management (Australia) Limited	15-Jun-17	yes	15.97	on mkt buy	ord	38,390	38,390
BlackRock Advisors (UK) Limited	15-Jun-17	yes	15.97	on mkt buy	ord	303,380	303,380
BlackRock Advisors (UK) Limited	15-Jun-17	no	n/a	collateral transfer	ord	52,163	52,163
BlackRock Investment Management, LLC	15-Jun-17	no	n/a	collateral transfer	ord	59,397	59,397
BlackRock Investment Management (UK) Limited	15-Jun-17	no	n/a	collateral transfer	ord	44,742	44,742
BlackRock Investment Management (Australia) Limited	16-Jun-17	yes	16.20	on mkt buy	ord	13,370	13,370
BlackRock Advisors (UK) Limited	16-Jun-17	yes	16.16	on mkt buy	ord	2,415	2,415
BlackRock Advisors (UK) Limited	16-Jun-17	yes	16.20	on mkt buy	ord	27,580	27,580
BlackRock Fund Advisors	16-Jun-17	yes	16.20	on mkt buy	ord	9,626	9,626
BlackRock Investment Management (UK) Limited	16-Jun-17	yes	16.20	on mkt buy	ord	91,883	91,883
BlackRock Asset Management Canada Limited	16-Jun-17	yes	16.20	on mkt buy	ord	5,728	5,728
BlackRock Institutional Trust Company, National Association	16-Jun-17	yes	16.20	on mkt buy	ord	19,322	19,322
BlackRock Institutional Trust Company, National Association	16-Jun-17	yes	16.20	on mkt buy	ord	55,693	55,693
BlackRock Institutional Trust Company, National Association	16-Jun-17	no	n/a	in specie	ord	5,363	5,363
BlackRock Advisors (UK) Limited	16-Jun-17	no	n/a	collateral transfer	ord	39,586	39,586
BlackRock Investment Management, LLC	16-Jun-17	no	n/a	collateral transfer	ord	10,816	10,816
BlackRock Investment Management (UK) Limited	16-Jun-17	no	n/a	collateral transfer	ord	9,585	9,585
BlackRock Advisors (UK) Limited	19-Jun-17	yes	16.01	on mkt buy	ord	8,274	8,274
BlackRock Advisors (UK) Limited	19-Jun-17	yes	16.01	on mkt buy	ord	2,758	2,758
BlackRock Advisors (UK) Limited	19-Jun-17	yes	16.01	on mkt buy	ord	690	690
BlackRock Investment Management (Australia) Limited	19-Jun-17	yes	16.01	on mkt buy	ord	130,498	130,498
BlackRock Investment Management (UK) Limited	19-Jun-17	no	n/a	collateral transfer	ord	41,856	41,856
BlackRock Advisors (UK) Limited	20-Jun-17	yes	15.71	on mkt buy	ord	2,731	2,731
BlackRock Advisors (UK) Limited	20-Jun-17	yes	15.71	on mkt buy	ord	13,790	13,790
BlackRock Advisors (UK) Limited	20-Jun-17	yes	15.71	on mkt buy	ord	2,415	2,415
BlackRock Advisors (UK) Limited	20-Jun-17	yes	15.75	on mkt buy	ord	52,402	52,402

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	20-Jun-17	yes	15.71	on mkt buy	ord	99,800	99,800
BlackRock Fund Advisors	20-Jun-17	no	n/a	in specie	ord	12,050	12,050
BlackRock Asset Management North Asia Limited	20-Jun-17	no	n/a	collateral transfer	ord	29,193	29,193
BlackRock Advisors (UK) Limited	21-Jun-17	yes	15.22	on mkt buy	ord	645	645
BlackRock Advisors (UK) Limited	21-Jun-17	yes	15.17	on mkt buy	ord	8,274	8,274
BlackRock Fund Advisors	21-Jun-17	no	n/a	in specie	ord	11,038	11,038
BlackRock Financial Management, Inc.	21-Jun-17	no	n/a	collateral transfer	ord	33	33
BlackRock Investment Management, LLC	21-Jun-17	no	n/a	collateral transfer	ord	43,616	43,616
BlackRock Asset Management North Asia Limited	21-Jun-17	no	n/a	collateral transfer	ord	19,970	19,970
BlackRock Institutional Trust Company, National Association	22-Jun-17	no	n/a	in specie	ord	30,736	30,736
BlackRock Advisors (UK) Limited	22-Jun-17	yes	15.35	on mkt buy	ord	345	345
BlackRock (Netherlands) B.V.	22-Jun-17	yes	15.45	on mkt buy	ord	767	767
BlackRock Institutional Trust Company, National Association	22-Jun-17	yes	15.45	on mkt buy	ord	18,682	18,682
BlackRock Institutional Trust Company, National Association	22-Jun-17	yes	15.45	on mkt buy	ord	85,951	85,951
BlackRock Investment Management (UK) Limited	22-Jun-17	no	n/a	in specie	ord	218,559	218,559
BlackRock Investment Management (UK) Limited	22-Jun-17	no	n/a	in specie	ord	58,003	58,003
BlackRock Advisors (UK) Limited	22-Jun-17	no	n/a	collateral transfer	ord	21,802	21,802
BlackRock Financial Management, Inc.	22-Jun-17	no	n/a	collateral transfer	ord	1	1
BlackRock Investment Management (UK) Limited	22-Jun-17	no	n/a	collateral transfer	ord	13,173	13,173
BlackRock Asset Management North Asia Limited	22-Jun-17	no	n/a	collateral transfer	ord	3,338	3,338
BlackRock Investment Management (UK) Limited	23-Jun-17	yes	15.41	on mkt buy	ord	22,801	22,801
BlackRock Advisors (UK) Limited	23-Jun-17	yes	15.37	on mkt buy	ord	408	408
BlackRock Advisors (UK) Limited	23-Jun-17	yes	15.37	on mkt buy	ord	816	816
BlackRock Fund Advisors	23-Jun-17	yes	15.37	on mkt buy	ord	54,455	54,455
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	in specie	ord	116,420	116,420
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	in specie	ord	5,259	5,259
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	in specie	ord	51,517	51,517
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	in specie	ord	6,764	6,764
BlackRock Advisors (UK) Limited	23-Jun-17	no	n/a	collateral transfer	ord	46,087	46,087
BlackRock Investment Management (UK) Limited	23-Jun-17	no	n/a	collateral transfer	ord	58,592	58,592
BlackRock Asset Management North Asia Limited	23-Jun-17	no	n/a	collateral transfer	ord	6,653	6,653
BlackRock Fund Advisors	26-Jun-17	no	n/a	in specie	ord	10,620	10,620
BlackRock Fund Advisors	26-Jun-17	no	n/a	in specie	ord	11,676	11,676
BlackRock Financial Management, Inc.	26-Jun-17	no	n/a	collateral transfer	ord	41,790	41,790
BlackRock Investment Management, LLC	26-Jun-17	no	n/a	collateral transfer	ord	949	949
BlackRock Investment Management (UK) Limited	26-Jun-17	no	n/a	collateral transfer	ord	2,842	2,842
BlackRock Asset Management North Asia Limited	26-Jun-17	no	n/a	collateral transfer	ord	4,412	4,412
BlackRock Asset Management Canada Limited	27-Jun-17	yes	15.30	on mkt buy	ord	2,351	2,351
BlackRock Investment Management (UK) Limited	27-Jun-17	yes	15.28	on mkt buy	ord	33,435	33,435
BlackRock Investment Management (Australia) Limited	27-Jun-17	yes	15.30	on mkt buy	ord	39,306	39,306
BlackRock Investment Management (Australia) Limited	27-Jun-17	yes	15.30	on mkt buy	ord	16,208	16,208
BlackRock Advisors (UK) Limited	27-Jun-17	yes	15.32	on mkt buy	ord	2,758	2,758
BlackRock Advisors (UK) Limited	27-Jun-17	yes	15.32	on mkt buy	ord	3,456	3,456
BlackRock Fund Advisors	27-Jun-17	no	n/a	in specie	ord	31,860	31,860
BlackRock Fund Advisors	27-Jun-17	no	n/a	in specie	ord	13,806	13,806

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	27-Jun-17	no	n/a	collateral transfer	ord	28,420	28,420
BlackRock Fund Advisors	28-Jun-17	yes	15.55	on mkt buy	ord	48,054	48,054
BlackRock Institutional Trust Company, National Association	28-Jun-17	yes	15.55	on mkt buy	ord	83,381	83,381
BlackRock Fund Advisors	28-Jun-17	no	n/a	in specie	ord	15,930	15,930
BlackRock Investment Management (UK) Limited	28-Jun-17	no	n/a	collateral transfer	ord	2,683	2,683
BlackRock Fund Advisors	29-Jun-17	no	n/a	in specie	ord	16,245	16,245
BlackRock Fund Advisors	29-Jun-17	no	n/a	in specie	ord	16,245	16,245
BlackRock Advisors (UK) Limited	29-Jun-17	no	n/a	collateral transfer	ord	42,589	42,589
BlackRock Investment Management, LLC	29-Jun-17	no	n/a	collateral transfer	ord	9,462	9,462
BlackRock Asset Management North Asia Limited	29-Jun-17	no	n/a	collateral transfer	ord	8,767	8,767
BlackRock Investment Management (UK) Limited	30-Jun-17	yes	16.14	on mkt buy	ord	11,247	11,247
BlackRock Advisors (UK) Limited	30-Jun-17	yes	16.24	on mkt buy	ord	816	816
BlackRock Investment Management (UK) Limited	30-Jun-17	yes	16.24	on mkt buy	ord	10,813	10,813
BlackRock Financial Management, Inc.	30-Jun-17	yes	16.24	on mkt buy	ord	2,567	2,567
BlackRock Fund Advisors	30-Jun-17	no	n/a	in specie	ord	43,320	43,320
BlackRock Fund Advisors	30-Jun-17	no	n/a	in specie	ord	16,245	16,245
BlackRock Fund Advisors	30-Jun-17	no	n/a	in specie	ord	27,075	27,075
BlackRock Investment Management (UK) Limited	30-Jun-17	no	n/a	collateral transfer	ord	59,116	59,116
BlackRock Asset Management North Asia Limited	30-Jun-17	no	n/a	collateral transfer	ord	24,034	24,034
BlackRock Advisors, LLC	03-Jul-17	no	n/a	in specie	ord	117,180	117,180
BlackRock Investment Management, LLC	03-Jul-17	no	n/a	collateral transfer	ord	32,117	32,117
BlackRock (Singapore) Limited	04-Jul-17	yes	16.33	on mkt buy	ord	17,928	17,928
BlackRock Investment Management (Australia) Limited	04-Jul-17	yes	16.28	on mkt buy	ord	42,979	42,979
BlackRock Investment Management (Australia) Limited	04-Jul-17	yes	16.28	on mkt buy	ord	42,980	42,980
BlackRock Investment Management (UK) Limited	04-Jul-17	no	n/a	collateral transfer	ord	4,629	4,629
BlackRock Advisors (UK) Limited	05-Jul-17	yes	15.80	on mkt buy	ord	403	403
BlackRock Investment Management (Australia) Limited	05-Jul-17	yes	15.80	on mkt buy	ord	10,716	10,716
BlackRock Investment Management (Australia) Limited	05-Jul-17	yes	15.80	on mkt buy	ord	8,948	8,948
BlackRock Investment Management (Australia) Limited	05-Jul-17	yes	15.80	on mkt buy	ord	8,321	8,321
BlackRock Fund Advisors	05-Jul-17	no	n/a	in specie	ord	4,417	4,417
BlackRock Fund Advisors	05-Jul-17	no	n/a	in specie	ord	21,660	21,660
BlackRock Advisors (UK) Limited	05-Jul-17	no	n/a	collateral transfer	ord	7,872	7,872
BlackRock Investment Management (UK) Limited	05-Jul-17	no	n/a	collateral transfer	ord	4,224	4,224
BlackRock Asset Management North Asia Limited	05-Jul-17	no	n/a	collateral transfer	ord	5,923	5,923
BlackRock Institutional Trust Company, National Association	06-Jul-17	no	n/a	in specie	ord	87,298	87,298
BlackRock Investment Management (UK) Limited	06-Jul-17	yes	15.61	on mkt buy	ord	53,137	53,137
BlackRock Fund Advisors	06-Jul-17	yes	15.56	on mkt buy	ord	4,914	4,914
BlackRock Advisors (UK) Limited	06-Jul-17	yes	15.59	on mkt buy	ord	98	98
BlackRock Institutional Trust Company, National Association	06-Jul-17	yes	15.61	on mkt buy	ord	17,508	17,508
BlackRock Fund Advisors	06-Jul-17	yes	15.56	on mkt buy	ord	10,937	10,937
BlackRock Fund Advisors	06-Jul-17	no	n/a	in specie	ord	16,245	16,245
BlackRock Fund Advisors	06-Jul-17	no	n/a	in specie	ord	5,964	5,964
BlackRock Financial Management, Inc.	06-Jul-17	no	n/a	collateral transfer	ord	14,411	14,411
BlackRock Investment Management, LLC	06-Jul-17	no	n/a	collateral transfer	ord	7,997	7,997
BlackRock Asset Management North Asia Limited	06-Jul-17	no	n/a	collateral transfer	ord	12,697	12,697