

**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 <sup>nd</sup> Street New York, NY 10055 USA	55 East 52 <sup>nd</sup> Street New York, NY 10055 USA

**4. Date substantial shareholding arose.**

15 September 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
77,032,598	5.05%

*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
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*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 increasing holding above 5%.	
Number of voting shares affected by the transaction.	1,682,392	
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 <sup>nd</sup> 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 16.

**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: 19 September 2017

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

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock (Netherlands) B.V.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BANK OF NY BRUS		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 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.	SSB-SSB NEW YORK INSTITUTIONAL		ord 204,495	204,495	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 28,128	28,128	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 1,971,314	1,971,314	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 1,050,779	1,050,779	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.	RBC-DEXIA BIL- LONDON		ord 398,452	398,452	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.	SSB-STATE STREET DUBLIN		ord 3,754,995	3,754,995	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 101,044	101,044	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 1,175,368	1,175,368	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 2,015,902	2,015,902	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 EUROPE - LONDON		ord 1,891	1,891	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 2,121	2,121	subsidiary of BlackRock Inc.

Holder of Relevant Interests Name and ACN / ARSN (if applicable)	Nature of Relevant Interest	Registered Holder of Securities	Person entitled to be registered as holder	Class and number of Securities	Person's votes	Nature of Association
BlackRock Asset Management North Asia Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	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 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-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 134,550	134,550	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 115,161	115,161	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 260,496	260,496	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-STATE STREET SACRAMENTO		ord 17,243,762	17,243,762	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 1,704,239	1,704,239	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.	NT-NORTHERN TRUST CO. - CHICAGO		ord 473,766	473,766	subsidiary of BlackRock Inc.
BlackRock Institutional Trust Company, National Association	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB BOSTON INSTITUTIONAL		ord 27,856	27,856	subsidiary of BlackRock Inc.
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 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-STATE STREET BANK, BOSTON		ord 64,233	64,233	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-STATE STREET SACRAMENTO		ord 17,336,120	17,336,120	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 471,742	471,742	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 190,559	190,559	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 88,147	88,147	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 3,644,521	3,644,521	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 (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 44,871	44,871	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 1,325,213	1,325,213	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 LUXEMBOURG		ord 5,873,166	5,873,166	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BOA-MERRILL LYNCH INTL PRIME BROKER - NEW YORK		ord 40,600	40,600	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CB-CACEIS BANK LUXEMBOURG		ord 8,902	8,902	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	CITI-CITIBANK, LONDON		ord 664,959	664,959	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 392,360	392,360	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.
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 516,019	516,019	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 88,973	88,973	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 2,040,170	2,040,170	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.



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.	SSB-STATE STATE HONG KONG		ord 58,663	58,663	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ord 324,256	324,256	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.	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 EUROPE - LONDON		ord 3,477	3,477	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 2,211	2,211	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 769,580	769,580	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 852,936	852,936	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 26,799	26,799	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BBH-BROWN BROTHERS HARRIMAN & CO - NEW YORK		ord 12,469	12,469	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	JPM-JP MORGAN CHASE - NEW YORK		ord 1,531,986	1,531,986	subsidiary of BlackRock Inc.
BlackRock Japan Co., Ltd.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	MITSUMI-SUMITOMO TRUST		ord 1,824	1,824	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 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 743,530	743,530	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 TRUST & BANKING TOKYO		ord 48,506	48,506	subsidiary of BlackRock Inc.
BLACKROCK ASSET MANAGEMENT CANADA 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.	NT-NORTHERN TRUST CO. - CHICAGO		ord 23,135	23,135	subsidiary of BlackRock Inc.
BLACKROCK ASSET MANAGEMENT CANADA 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-SSB NEW YORK INSTITUTIONAL		ord 7,832	7,832	subsidiary of BlackRock Inc.
BLACKROCK ASSET MANAGEMENT CANADA 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 SACRAMENTO		ord 633,814	633,814	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 634,229	634,229	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 821,054	821,054	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 2,402,435	2,402,435	subsidiary of BlackRock Inc.

This is Annexure B of 12 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 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 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	641	641
BlackRock Investment Management (UK) Limited	16-May-17	no	n/a	collateral transfer	ord	41,845	41,845
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

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			Cash	Non-cash			
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
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

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			Cash	Non-cash			
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
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

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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 Institutional Trust Company, National Association	09-Jun-17	yes	15.88	on mkt buy	ord	67,494	67,494
BlackRock Advisors (UK) Limited	09-Jun-17	yes	15.92	on mkt buy	ord	812	812
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

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			Cash	Non-cash			
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
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

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			Cash	Non-cash			
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
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 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 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
BlackRock Fund Advisors	07-Jul-17	yes	15.40	on mkt buy	ord	9,945	9,945
BlackRock Advisors (UK) Limited	07-Jul-17	yes	15.24	on mkt buy	ord	5,466	5,466

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BlackRock Fund Advisors	07-Jul-17	yes	15.24	on mkt buy	ord	24,649	24,649
BlackRock Advisors, LLC	07-Jul-17	yes	15.24	on mkt buy	ord	117,698	117,698
BlackRock Institutional Trust Company, National Association	07-Jul-17	yes	15.24	on mkt buy	ord	11,369	11,369
BlackRock Fund Advisors	07-Jul-17	no	n/a	in specie	ord	43,320	43,320
BlackRock Fund Advisors	07-Jul-17	no	n/a	in specie	ord	21,660	21,660
BlackRock Fund Advisors	07-Jul-17	no	n/a	in specie	ord	68,229	68,229
BlackRock Investment Management (UK) Limited	07-Jul-17	no	n/a	in specie	ord	6,157	6,157
BlackRock Advisors (UK) Limited	07-Jul-17	no	n/a	collateral transfer	ord	13,997	13,997
BlackRock Investment Management (UK) Limited	07-Jul-17	no	n/a	collateral transfer	ord	36,002	36,002
BlackRock Asset Management North Asia Limited	07-Jul-17	no	n/a	collateral transfer	ord	8,830	8,830
BlackRock Advisors (UK) Limited	10-Jul-17	yes	15.27	on mkt buy	ord	808	808
BlackRock Fund Advisors	10-Jul-17	yes	15.27	on mkt buy	ord	9,980	9,980
BlackRock Investment Management (UK) Limited	10-Jul-17	no	n/a	collateral transfer	ord	28,478	28,478
BlackRock Asset Management North Asia Limited	10-Jul-17	no	n/a	collateral transfer	ord	3,797	3,797
BlackRock Advisors (UK) Limited	11-Jul-17	yes	15.36	on mkt buy	ord	2,760	2,760
BlackRock Advisors (UK) Limited	11-Jul-17	no	n/a	collateral transfer	ord	9,055	9,055
BlackRock Investment Management, LLC	11-Jul-17	no	n/a	collateral transfer	ord	2,424	2,424
BlackRock Asset Management North Asia Limited	11-Jul-17	no	n/a	collateral transfer	ord	3,834	3,834
BlackRock Investment Management (Australia) Limited	12-Jul-17	yes	15.50	on mkt buy	ord	10,766	10,766
BlackRock Advisors (UK) Limited	12-Jul-17	yes	15.51	on mkt buy	ord	12,854	12,854
BlackRock Investment Management (Australia) Limited	12-Jul-17	yes	15.51	on mkt buy	ord	8,626	8,626
BlackRock Advisors (UK) Limited	12-Jul-17	no	n/a	collateral transfer	ord	123,094	123,094
BlackRock Financial Management, Inc.	12-Jul-17	no	n/a	collateral transfer	ord	9,206	9,206
BlackRock Investment Management, LLC	12-Jul-17	no	n/a	collateral transfer	ord	4,148	4,148
BlackRock Asset Management North Asia Limited	12-Jul-17	no	n/a	collateral transfer	ord	4,823	4,823
BlackRock Fund Advisors	13-Jul-17	no	n/a	in specie	ord	3,470	3,470
BlackRock Financial Management, Inc.	13-Jul-17	no	n/a	collateral transfer	ord	5,205	5,205
BlackRock Investment Management (UK) Limited	13-Jul-17	no	n/a	collateral transfer	ord	7,764	7,764
BlackRock Advisors (UK) Limited	14-Jul-17	yes	16.13	on mkt buy	ord	2,759	2,759
BlackRock Advisors (UK) Limited	14-Jul-17	yes	16.13	on mkt buy	ord	1,212	1,212
BlackRock Fund Advisors	14-Jul-17	no	n/a	in specie	ord	13,104	13,104
BlackRock Investment Management, LLC	14-Jul-17	no	n/a	collateral transfer	ord	21,346	21,346
BlackRock Investment Management (UK) Limited	14-Jul-17	no	n/a	collateral transfer	ord	2,776	2,776
BlackRock Fund Advisors	17-Jul-17	no	n/a	in specie	ord	2,524	2,524
BlackRock Investment Management, LLC	17-Jul-17	no	n/a	collateral transfer	ord	4,910	4,910
BlackRock Advisors (UK) Limited	18-Jul-17	yes	16.51	on mkt buy	ord	6,908	6,908
BlackRock Investment Management (Australia) Limited	18-Jul-17	yes	16.51	on mkt buy	ord	2,414	2,414
BlackRock Fund Advisors	18-Jul-17	no	n/a	in specie	ord	10,920	10,920
BlackRock Advisors (UK) Limited	18-Jul-17	no	n/a	collateral transfer	ord	4,156	4,156
BlackRock Investment Management, LLC	18-Jul-17	no	n/a	collateral transfer	ord	111,461	111,461
BlackRock Fund Advisors	19-Jul-17	no	n/a	in specie	ord	16,380	16,380
BlackRock Investment Management, LLC	19-Jul-17	no	n/a	collateral transfer	ord	41,328	41,328
BlackRock Advisors (UK) Limited	20-Jul-17	yes	16.54	on mkt buy	ord	8,277	8,277
BlackRock Advisors (UK) Limited	20-Jul-17	yes	16.54	on mkt buy	ord	5,518	5,518
BlackRock Advisors (UK) Limited	20-Jul-17	yes	16.54	on mkt buy	ord	1,212	1,212
BlackRock Fund Advisors	20-Jul-17	no	n/a	in specie	ord	27,300	27,300
BlackRock Investment Management (UK) Limited	20-Jul-17	no	n/a	collateral transfer	ord	1,214	1,214
BlackRock Investment Management, LLC	21-Jul-17	yes	16.35	on mkt buy	ord	2,523	2,523



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BlackRock Investment Management (Australia) Limited	21-Jul-17	yes	16.23	on mkt buy	ord	11,583	11,583
BlackRock Fund Advisors	21-Jul-17	no	n/a	in specie	ord	1,893	1,893
BlackRock Fund Advisors	21-Jul-17	no	n/a	in specie	ord	16,380	16,380
BlackRock Fund Advisors	21-Jul-17	no	n/a	in specie	ord	7,776	7,776
BlackRock Fund Advisors	21-Jul-17	no	n/a	in specie	ord	5,712	5,712
BlackRock Financial Management, Inc.	21-Jul-17	no	n/a	collateral transfer	ord	614	614
BlackRock Investment Management, LLC	21-Jul-17	no	n/a	collateral transfer	ord	35,177	35,177
BlackRock Investment Management (UK) Limited	24-Jul-17	no	n/a	in specie	ord	44,955	44,955
BlackRock Japan Co., Ltd.	24-Jul-17	yes	16.33	on mkt buy	ord	80,615	80,615
BlackRock Advisors (UK) Limited	24-Jul-17	no	n/a	collateral transfer	ord	123,990	123,990
BlackRock Financial Management, Inc.	24-Jul-17	no	n/a	collateral transfer	ord	40	40
BlackRock Investment Management (UK) Limited	24-Jul-17	no	n/a	collateral transfer	ord	27,151	27,151
BlackRock Asset Management North Asia Limited	24-Jul-17	no	n/a	collateral transfer	ord	5,429	5,429
BlackRock Fund Advisors	25-Jul-17	no	n/a	in specie	ord	4,368	4,368
BlackRock Advisors (UK) Limited	25-Jul-17	no	n/a	collateral transfer	ord	79,330	79,330
BlackRock Financial Management, Inc.	25-Jul-17	no	n/a	collateral transfer	ord	37	37
BlackRock Investment Management (UK) Limited	25-Jul-17	no	n/a	collateral transfer	ord	24,113	24,113
BlackRock Asset Management North Asia Limited	25-Jul-17	no	n/a	collateral transfer	ord	6,809	6,809
BlackRock Fund Advisors	26-Jul-17	no	n/a	in specie	ord	1,460	1,460
BlackRock Investment Management (UK) Limited	26-Jul-17	no	n/a	collateral transfer	ord	34,389	34,389
BlackRock Advisors, LLC	27-Jul-17	yes	16.61	on mkt buy	ord	1,650	1,650
BlackRock Financial Management, Inc.	27-Jul-17	yes	16.61	on mkt buy	ord	1,350	1,350
BlackRock Investment Management (UK) Limited	27-Jul-17	yes	16.61	on mkt buy	ord	68,150	68,150
BlackRock Investment Management (UK) Limited	27-Jul-17	yes	16.61	on mkt buy	ord	64,663	64,663
BlackRock Advisors (UK) Limited	27-Jul-17	no	n/a	collateral transfer	ord	86,187	86,187
BlackRock Investment Management (UK) Limited	27-Jul-17	no	n/a	collateral transfer	ord	43,672	43,672
BlackRock Asset Management North Asia Limited	27-Jul-17	no	n/a	collateral transfer	ord	4,398	4,398
BlackRock Asset Management Canada Limited	28-Jul-17	yes	16.32	on mkt buy	ord	3,457	3,457
BlackRock Fund Advisors	28-Jul-17	yes	16.32	on mkt buy	ord	4,691	4,691
BlackRock Fund Advisors	28-Jul-17	no	n/a	in specie	ord	1,460	1,460
BlackRock Fund Advisors	28-Jul-17	no	n/a	in specie	ord	4,417	4,417
BlackRock Fund Advisors	28-Jul-17	no	n/a	in specie	ord	5,679	5,679
BlackRock Investment Management (UK) Limited	28-Jul-17	no	n/a	in specie	ord	38,163	38,163
BlackRock Investment Management, LLC	28-Jul-17	no	n/a	collateral transfer	ord	6,235	6,235
BlackRock Investment Management (UK) Limited	31-Jul-17	yes	16.44	on mkt buy	ord	45,100	45,100
BlackRock Investment Management (Australia) Limited	31-Jul-17	yes	16.42	on mkt buy	ord	5,348	5,348
BlackRock Fund Advisors	31-Jul-17	no	n/a	in specie	ord	18,426	18,426
BlackRock Advisors (UK) Limited	31-Jul-17	no	n/a	collateral transfer	ord	102,089	102,089
BlackRock Asset Management North Asia Limited	31-Jul-17	no	n/a	collateral transfer	ord	2,953	2,953
BlackRock Institutional Trust Company, National Association	01-Aug-17	no	n/a	in specie	ord	6,504	6,504
BlackRock Japan Co., Ltd.	01-Aug-17	no	n/a	collateral transfer	ord	330,570	330,570
BlackRock Investment Management, LLC	01-Aug-17	no	n/a	collateral transfer	ord	14,139	14,139
BlackRock Advisors (UK) Limited	02-Aug-17	yes	16.38	on mkt buy	ord	2,760	2,760
BlackRock Investment Management (UK) Limited	02-Aug-17	yes	16.38	on mkt buy	ord	2,456	2,456
BlackRock Asset Management North Asia Limited	02-Aug-17	no	n/a	collateral transfer	ord	42,651	42,651
BlackRock Advisors (UK) Limited	03-Aug-17	yes	16.31	on mkt buy	ord	473	473

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BlackRock Investment Management (UK) Limited	03-Aug-17	no	n/a	in specie	ord	45,773	45,773
BlackRock Fund Advisors	03-Aug-17	no	n/a	in specie	ord	13,104	13,104
BlackRock Investment Management, LLC	03-Aug-17	no	n/a	collateral transfer	ord	9,921	9,921
BlackRock Asset Management North Asia Limited	03-Aug-17	no	n/a	collateral transfer	ord	7,556	7,556
BlackRock Advisors (UK) Limited	04-Aug-17	yes	16.19	on mkt buy	ord	2,761	2,761
BlackRock Advisors (UK) Limited	04-Aug-17	yes	16.10	on mkt buy	ord	15,193	15,193
BlackRock Investment Management, LLC	04-Aug-17	no	n/a	collateral transfer	ord	162,992	162,992
BlackRock Asset Management North Asia Limited	04-Aug-17	no	n/a	collateral transfer	ord	82,182	82,182
BlackRock Investment Management (Australia) Limited	07-Aug-17	yes	16.45	on mkt buy	ord	9,359	9,359
BlackRock Advisors (UK) Limited	07-Aug-17	yes	16.45	on mkt buy	ord	2,758	2,758
BlackRock Investment Management (Australia) Limited	07-Aug-17	yes	16.45	on mkt buy	ord	11,540	11,540
BlackRock Advisors (UK) Limited	07-Aug-17	no	n/a	collateral transfer	ord	128,145	128,145
BlackRock Investment Management (UK) Limited	07-Aug-17	no	n/a	collateral transfer	ord	101,383	101,383
BlackRock Asset Management North Asia Limited	07-Aug-17	no	n/a	collateral transfer	ord	10,008	10,008
BlackRock Advisors (UK) Limited	08-Aug-17	yes	16.05	on mkt buy	ord	2,762	2,762
BlackRock Advisors (UK) Limited	08-Aug-17	yes	16.05	on mkt buy	ord	8,286	8,286
BlackRock Investment Management, LLC	08-Aug-17	no	n/a	collateral transfer	ord	55,303	55,303
BlackRock Advisors (UK) Limited	09-Aug-17	yes	15.95	on mkt buy	ord	814	814
BlackRock Investment Management (Australia) Limited	09-Aug-17	yes	15.95	on mkt buy	ord	9,282	9,282
BlackRock Fund Advisors	09-Aug-17	no	n/a	in specie	ord	11,742	11,742
BlackRock Advisors (UK) Limited	09-Aug-17	no	n/a	collateral transfer	ord	56,953	56,953
BlackRock Investment Management (UK) Limited	09-Aug-17	no	n/a	collateral transfer	ord	20,989	20,989
BlackRock Asset Management North Asia Limited	09-Aug-17	no	n/a	collateral transfer	ord	30,684	30,684
BlackRock Advisors (UK) Limited	10-Aug-17	yes	15.86	on mkt buy	ord	3,456	3,456
BlackRock Institutional Trust Company, National Association	10-Aug-17	yes	15.86	on mkt buy	ord	41,952	41,952
BlackRock Asset Management Canada Limited	10-Aug-17	yes	15.86	on mkt buy	ord	32,913	32,913
BlackRock Fund Advisors	11-Aug-17	no	n/a	in specie	ord	12,284	12,284
BlackRock Investment Management (UK) Limited	11-Aug-17	no	n/a	in specie	ord	13,378	13,378
BlackRock Advisors, LLC	11-Aug-17	no	n/a	collateral transfer	ord	2,271	2,271
BlackRock Japan Co., Ltd.	11-Aug-17	no	n/a	collateral transfer	ord	586,680	586,680
BlackRock Advisors (UK) Limited	11-Aug-17	no	n/a	collateral transfer	ord	842,470	842,470
BlackRock Investment Management, LLC	11-Aug-17	no	n/a	collateral transfer	ord	379,850	379,850
BlackRock Investment Management (UK) Limited	11-Aug-17	no	n/a	collateral transfer	ord	999,262	999,262
BlackRock Asset Management North Asia Limited	11-Aug-17	no	n/a	collateral transfer	ord	395,263	395,263
BlackRock Advisors (UK) Limited	14-Aug-17	no	n/a	in specie	ord	11,254	11,254
BlackRock Fund Advisors	14-Aug-17	no	n/a	in specie	ord	22,166	22,166
BlackRock Advisors, LLC	14-Aug-17	no	n/a	collateral transfer	ord	479	479
BlackRock Japan Co., Ltd.	14-Aug-17	no	n/a	collateral transfer	ord	324	324
BlackRock Investment Management, LLC	14-Aug-17	no	n/a	collateral transfer	ord	9,803	9,803
BlackRock Asset Management North Asia Limited	14-Aug-17	no	n/a	collateral transfer	ord	16,635	16,635
BlackRock Advisors, LLC	15-Aug-17	no	n/a	collateral transfer	ord	1,527	1,527
BlackRock Japan Co., Ltd.	15-Aug-17	no	n/a	collateral transfer	ord	509	509
BlackRock Advisors (UK) Limited	15-Aug-17	no	n/a	collateral transfer	ord	506,875	506,875
BlackRock Investment Management, LLC	15-Aug-17	no	n/a	collateral transfer	ord	20,026	20,026

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BlackRock Investment Management (UK) Limited	16-Aug-17	yes	15.77	on mkt buy	ord	37,539	37,539
BlackRock Institutional Trust Company, National Association	16-Aug-17	yes	15.74	on mkt buy	ord	26,118	26,118
BlackRock Advisors (UK) Limited	16-Aug-17	yes	15.74	on mkt buy	ord	1,720	1,720
BlackRock Fund Advisors	16-Aug-17	no	n/a	in specie	ord	24,568	24,568
BlackRock Japan Co., Ltd.	16-Aug-17	no	n/a	collateral transfer	ord	261	261
BlackRock Advisors (UK) Limited	16-Aug-17	no	n/a	collateral transfer	ord	81,062	81,062
BlackRock Investment Management, LLC	16-Aug-17	no	n/a	collateral transfer	ord	3,621	3,621
BlackRock Asset Management North Asia Limited	16-Aug-17	no	n/a	collateral transfer	ord	779	779
BlackRock Advisors (UK) Limited	17-Aug-17	yes	15.80	on mkt buy	ord	7,004	7,004
BlackRock Investment Management (Australia) Limited	17-Aug-17	yes	15.80	on mkt buy	ord	9,517	9,517
BlackRock Investment Management (Australia) Limited	17-Aug-17	yes	15.80	on mkt buy	ord	7,605	7,605
BlackRock Fund Advisors	17-Aug-17	no	n/a	in specie	ord	11,083	11,083
BlackRock Japan Co., Ltd.	17-Aug-17	no	n/a	collateral transfer	ord	11	11
BlackRock Advisors (UK) Limited	17-Aug-17	no	n/a	collateral transfer	ord	9	9
BlackRock Asset Management North Asia Limited	17-Aug-17	no	n/a	collateral transfer	ord	34,678	34,678
BlackRock Investment Management (Australia) Limited	18-Aug-17	yes	15.68	on mkt buy	ord	354,486	354,486
BlackRock Advisors (UK) Limited	18-Aug-17	yes	15.72	on mkt buy	ord	2,770	2,770
BlackRock Fund Advisors	18-Aug-17	no	n/a	in specie	ord	8,450	8,450
BlackRock Investment Management, LLC	18-Aug-17	no	n/a	collateral transfer	ord	5,684	5,684
BlackRock Asset Management North Asia Limited	18-Aug-17	no	n/a	collateral transfer	ord	8,711	8,711
BlackRock Fund Advisors	21-Aug-17	yes	15.94	on mkt buy	ord	9,856	9,856
BlackRock Advisors, LLC	21-Aug-17	no	n/a	collateral transfer	ord	14	14
BlackRock Investment Management, LLC	21-Aug-17	no	n/a	collateral transfer	ord	6,103	6,103
BlackRock Investment Management (UK) Limited	22-Aug-17	no	n/a	collateral transfer	ord	6,870	6,870
BlackRock Asset Management North Asia Limited	22-Aug-17	no	n/a	collateral transfer	ord	5,192	5,192
BlackRock Investment Management (Australia) Limited	23-Aug-17	yes	16.44	on mkt buy	ord	90,066	90,066
BlackRock Investment Management (Australia) Limited	23-Aug-17	yes	16.44	on mkt buy	ord	33,375	33,375
BlackRock Advisors (UK) Limited	23-Aug-17	yes	16.44	on mkt buy	ord	1,380	1,380
BlackRock Advisors (UK) Limited	23-Aug-17	yes	16.44	on mkt buy	ord	408	408
BlackRock Advisors (UK) Limited	23-Aug-17	yes	16.44	on mkt buy	ord	816	816
BlackRock Japan Co., Ltd.	23-Aug-17	no	n/a	collateral transfer	ord	229	229
BlackRock Advisors (UK) Limited	23-Aug-17	no	n/a	collateral transfer	ord	291	291
BlackRock Investment Management, LLC	23-Aug-17	no	n/a	collateral transfer	ord	22,892	22,892
BlackRock Fund Advisors	24-Aug-17	no	n/a	in specie	ord	13,104	13,104
BlackRock Advisors (UK) Limited	24-Aug-17	no	n/a	collateral transfer	ord	22,027	22,027
BlackRock Financial Management, Inc.	24-Aug-17	no	n/a	collateral transfer	ord	4,394	4,394
BlackRock Investment Management (UK) Limited	24-Aug-17	no	n/a	collateral transfer	ord	65,607	65,607
BlackRock Financial Management, Inc.	25-Aug-17	yes	17.04	on mkt buy	ord	1,300	1,300
BlackRock Advisors (UK) Limited	25-Aug-17	yes	17.09	on mkt buy	ord	2,776	2,776
BlackRock Investment Management (UK) Limited	25-Aug-17	no	n/a	in specie	ord	9,130	9,130
BlackRock Investment Management (UK) Limited	25-Aug-17	no	n/a	in specie	ord	59,667	59,667
BlackRock Advisors, LLC	25-Aug-17	no	n/a	collateral transfer	ord	40	40
BlackRock Japan Co., Ltd.	25-Aug-17	no	n/a	collateral transfer	ord	24	24
BlackRock Advisors (UK) Limited	25-Aug-17	no	n/a	collateral transfer	ord	457,025	457,025

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			Cash	Non-cash			
BlackRock Financial Management, Inc.	25-Aug-17	no	n/a	collateral transfer	ord	98	98
BlackRock Investment Management (UK) Limited	25-Aug-17	no	n/a	collateral transfer	ord	2,358	2,358
BlackRock Asset Management North Asia Limited	25-Aug-17	no	n/a	collateral transfer	ord	7,370	7,370
BlackRock Investment Management (Australia) Limited	28-Aug-17	yes	17.29	on mkt buy	ord	9,374	9,374
BlackRock Advisors, LLC	28-Aug-17	no	n/a	collateral transfer	ord	23	23
BlackRock Japan Co., Ltd.	28-Aug-17	no	n/a	collateral transfer	ord	89	89
BlackRock Advisors (UK) Limited	28-Aug-17	no	n/a	collateral transfer	ord	44,406	44,406
BlackRock Financial Management, Inc.	28-Aug-17	no	n/a	collateral transfer	ord	51	51
BlackRock Investment Management, LLC	28-Aug-17	no	n/a	collateral transfer	ord	6,656	6,656
BlackRock Investment Management (UK) Limited	28-Aug-17	no	n/a	collateral transfer	ord	2,491	2,491
BlackRock Fund Advisors	29-Aug-17	no	n/a	in specie	ord	16,380	16,380
BlackRock Japan Co., Ltd.	29-Aug-17	no	n/a	collateral transfer	ord	87	87
BlackRock Financial Management, Inc.	29-Aug-17	no	n/a	collateral transfer	ord	21	21
BlackRock Investment Management (Australia) Limited	30-Aug-17	yes	0.00	on mkt buy	ord	142,510	142,510
BlackRock Investment Management (Australia) Limited	30-Aug-17	yes	17.08	on mkt buy	ord	108,642	108,642
BlackRock Advisors (UK) Limited	30-Aug-17	yes	0.00	on mkt buy	ord	345	345
BlackRock Advisors (UK) Limited	30-Aug-17	yes	17.01	on mkt buy	ord	408	408
BlackRock Advisors (UK) Limited	30-Aug-17	yes	0.00	on mkt buy	ord	690	690
BlackRock Investment Management (UK) Limited	30-Aug-17	no	n/a	in specie	ord	1,123	1,123
BlackRock Advisors (UK) Limited	30-Aug-17	no	n/a	in specie	ord	1,389	1,389
BlackRock Advisors, LLC	30-Aug-17	no	n/a	collateral transfer	ord	723	723
BlackRock Advisors (UK) Limited	30-Aug-17	no	n/a	collateral transfer	ord	45,864	45,864
BlackRock Investment Management, LLC	30-Aug-17	no	n/a	collateral transfer	ord	12,017	12,017
BlackRock Investment Management (UK) Limited	30-Aug-17	no	n/a	collateral transfer	ord	230	230
BlackRock Investment Management (UK) Limited	31-Aug-17	yes	16.76	on mkt buy	ord	47,859	47,859
BlackRock Investment Management (Australia) Limited	31-Aug-17	yes	16.61	on mkt buy	ord	8,022	8,022
BlackRock Advisors (UK) Limited	31-Aug-17	yes	0.00	on mkt buy	ord	3,457	3,457
BlackRock Investment Management (Australia) Limited	31-Aug-17	yes	16.61	on mkt buy	ord	10,298	10,298
BlackRock Advisors (UK) Limited	31-Aug-17	yes	16.61	on mkt buy	ord	12,932	12,932
BlackRock Institutional Trust Company, National Association	31-Aug-17	yes	16.61	on mkt buy	ord	84,027	84,027
BlackRock Japan Co., Ltd.	31-Aug-17	no	n/a	collateral transfer	ord	96	96
BlackRock Investment Management (UK) Limited	31-Aug-17	no	n/a	collateral transfer	ord	1,716	1,716
BlackRock Asset Management North Asia Limited	31-Aug-17	no	n/a	collateral transfer	ord	653	653
BlackRock Advisors (UK) Limited	01-Sep-17	yes	0.00	on mkt buy	ord	3,457	3,457
BlackRock Advisors (UK) Limited	01-Sep-17	yes	0.00	on mkt buy	ord	1,720	1,720
BlackRock Advisors, LLC	01-Sep-17	no	n/a	in specie	ord	104,434	104,434
BlackRock Japan Co., Ltd.	01-Sep-17	no	n/a	collateral transfer	ord	111	111
BlackRock Investment Management, LLC	01-Sep-17	no	n/a	collateral transfer	ord	3,112	3,112
BlackRock Advisors, LLC	04-Sep-17	yes	0.00	on mkt buy	ord	398	398
BlackRock Investment Management (UK) Limited	04-Sep-17	yes	0.00	on mkt buy	ord	37,162	37,162
BlackRock Investment Management (UK) Limited	04-Sep-17	no	n/a	in specie	ord	4,770	4,770
BlackRock Investment Management (Australia) Limited	06-Sep-17	yes	0.00	on mkt buy	ord	15,761	15,761
BlackRock Investment Management (Australia) Limited	06-Sep-17	yes	0.00	on mkt buy	ord	6,187	6,187

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BlackRock Investment Management (Australia) Limited	06-Sep-17	yes	0.00	on mkt buy	ord	162,085	162,085
BlackRock Investment Management (Australia) Limited	06-Sep-17	yes	0.00	on mkt buy	ord	108,057	108,057
BlackRock Advisors (UK) Limited	06-Sep-17	yes	0.00	on mkt buy	ord	412	412
BlackRock Investment Management, LLC	06-Sep-17	yes	16.73	on mkt buy	ord	2,519	2,519
BlackRock Fund Advisors	06-Sep-17	no	n/a	in specie	ord	16,380	16,380
BlackRock Fund Advisors	06-Sep-17	no	n/a	in specie	ord	18,426	18,426
BlackRock Advisors (UK) Limited	07-Sep-17	yes	0.00	on mkt buy	ord	2,060	2,060
BlackRock Investment Management (Australia) Limited	07-Sep-17	yes	0.00	on mkt buy	ord	12,002	12,002
BlackRock Advisors (UK) Limited	08-Sep-17	yes	0.00	on mkt buy	ord	5,550	5,550
BlackRock Advisors (UK) Limited	08-Sep-17	yes	16.98	on mkt buy	ord	2,070	2,070
BlackRock Advisors (UK) Limited	08-Sep-17	yes	0.00	on mkt buy	ord	2,415	2,415
BlackRock Fund Advisors	08-Sep-17	no	n/a	in specie	ord	2,190	2,190
BlackRock Fund Advisors	08-Sep-17	no	n/a	in specie	ord	38,220	38,220
BlackRock Fund Advisors	08-Sep-17	no	n/a	in specie	ord	7,776	7,776
BlackRock Fund Advisors	11-Sep-17	no	n/a	in specie	ord	8,450	8,450
BlackRock Advisors (UK) Limited	11-Sep-17	no	n/a	collateral transfer	ord	19,463	19,463
BlackRock Japan Co., Ltd.	12-Sep-17	yes	17.01	on mkt buy	ord	1,824	1,824
BlackRock Investment Management (Australia) Limited	12-Sep-17	yes	17.01	on mkt buy	ord	69,178	69,178
BlackRock Fund Advisors	12-Sep-17	no	n/a	in specie	ord	16,380	16,380
BlackRock Advisors (UK) Limited	13-Sep-17	no	n/a	in specie	ord	13,910	13,910
BlackRock Investment Management (Australia) Limited	13-Sep-17	yes	17.03	on mkt buy	ord	7,152	7,152
BlackRock Investment Management (UK) Limited	13-Sep-17	yes	17.18	on mkt buy	ord	11,315	11,315
BlackRock Investment Management (Australia) Limited	13-Sep-17	yes	17.03	on mkt buy	ord	102,796	102,796
BlackRock Investment Management (Australia) Limited	13-Sep-17	yes	17.03	on mkt buy	ord	29,669	29,669
BlackRock Institutional Trust Company, National Association	13-Sep-17	yes	16.98	on mkt buy	ord	234,320	234,320
BlackRock Advisors (UK) Limited	13-Sep-17	yes	16.98	on mkt buy	ord	586	586
BlackRock Institutional Trust Company, National Association	14-Sep-17	yes	0.00	on mkt buy	ord	100,610	100,610
BlackRock Advisors (UK) Limited	14-Sep-17	yes	0.00	on mkt buy	ord	1,035	1,035
BlackRock Advisors (UK) Limited	15-Sep-17	yes	17.00	on mkt buy	ord	3,423	3,423
BlackRock Advisors (UK) Limited	15-Sep-17	yes	17.00	on mkt buy	ord	27,384	27,384
BlackRock Advisors (UK) Limited	15-Sep-17	yes	17.00	on mkt buy	ord	2,070	2,070
BlackRock Investment Management (UK) Limited	15-Sep-17	yes	17.00	on mkt buy	ord	1,166	1,166
BlackRock Institutional Trust Company, National Association	15-Sep-17	yes	17.00	on mkt buy	ord	10,179	10,179
BlackRock Japan Co., Ltd.	15-Sep-17	no	n/a	collateral transfer	ord	792,036	792,036
BlackRock Advisors (UK) Limited	15-Sep-17	no	n/a	collateral transfer	ord	107,314	107,314
BlackRock Investment Management, LLC	15-Sep-17	no	n/a	collateral transfer	ord	5,686	5,686
BlackRock Investment Management (UK) Limited	15-Sep-17	no	n/a	collateral transfer	ord	773,344	773,344
BlackRock Asset Management North Asia Limited	15-Sep-17	no	n/a	collateral transfer	ord	4,012	4,012