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. 01 February 2019

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
76,303,534	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.	Collateral transaction increasing holdings above 5%	
Number of voting shares affected by the transaction.	848,599	
The consideration for the transaction (Kina).	N/A	
Name of the other party to the transaction (if known). *	In specie transaction	
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 NY 10055 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 Citibank Tower & 17/F ICBC Tower, 3 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 Trust Company, National Association	1225 17th Street, Suite 300, Denver, CO 80202 (Colorado, USA)	Same as registered office

Not applicable	BlackRock International Limited	Exchange Place One, 1 Semple Street, Edinburgh, EH3 8BL, United Kingdom (Scotland, United Kingdom)	Same as registered office
Not applicable	BlackRock Investment Management (Australia) Limited	Level 26, 101 Collins Street Melbourne VIC 3000 Australia (Victoria, Australia)	Same as registered office
Not applicable	BlackRock Investment Management (UK) Limited	12 Throgmorton Avenue London EC2N 2DL United Kingdom	Same as registered office
Not applicable	BlackRock Investment Management, LLC	1209 Orange Street, Wilmington, New Castle County, Delaware 19801, United States	Same as registered office
Not applicable	BlackRock Japan Co., Ltd.	Marunouchi Trust Tower Main, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-8217 (Japan)	Same as registered office

Nature of Association:

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

Details of Relevant Interest of Associate:

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

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

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

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

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

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

A. A true copy of any document setting out the material terms of any agreement that —

(a) contributed to the person having to submit this form;

(b) is in writing or in a document in which the material terms of an oral agreement have been reduced to writing in accordance with Section 40(5)(c) of the Regulation; and

(c) is readily available to the person submitting the notice; or

B. Where a document in Paragraph A is not readily available to the person submitting this form, a memorandum in writing detailing the material terms of the document.

The number of pages that accompany, or are annexed to, this notice is _____16_____.

12. Declaration.

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

Signature: 

Full Name of Person Signing: Spencer Fleming

Role: Managing Director Date: _____05 February 2019_____

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 (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	68,421	68,421	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.	KAS-KAS BANK - AMSTERDAM		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	183,090	183,090	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	17,762	17,762	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	2,306,558	2,306,558	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	1,141,807	1,141,807	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	301,149	301,149	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	3,319,173	3,319,173	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	27,555	27,555	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-BONY LUXEMBOURG		ORD	1,899	1,899	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	859,007	859,007	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD	96,181	96,181	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	1,690,839	1,690,839	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	5,728	5,728	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.	RBC-ROYAL TRUST - TORONTO		ORD	4,963	4,963	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 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	10,598	10,598	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	791,902	791,902	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 LUXEMBOURG		ORD	59,060	59,060	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	4,861	4,861	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	38,403	38,403	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	BNYM-BONY LUXEMBOURG		ORD	377	377	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	162,304	162,304	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.	JPM-JP MORGAN CHASE - NEW YORK		ORD	180,242	180,242	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	109,657	109,657	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	204,221	204,221	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-SSB NEW YORK INSTITUTIONAL		ORD	6,603	6,603	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD	77,308	77,308	subsidiary of BlackRock Inc.
BlackRock Financial Management, Inc.	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK & TRUST TORONTO		ORD	13,602	13,602	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	223,834	223,834	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	55,471	55,471	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	17,888,522	17,888,522	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	1,124,302	1,124,302	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	18,106,841	18,106,841	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	489,641	489,641	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.	RBC-ROYAL TRUST - TORONTO		ORD	15,307	15,307	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	33,524	33,524	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	1,082,068	1,082,068	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	131,567	131,567	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	27,870	27,870	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	9,624	9,624	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	61,395	61,395	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	495,420	495,420	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.	HSBC-HSBC SYDNEY		ORD	1,251,687	1,251,687	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	179,989	179,989	subsidiary of BlackRock Inc.
BlackRock Investment Management (Australia) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	NAB-NATIONAL AUSTRALIA BANK LIMITED - MELBOURNE		ORD	3,874,311	3,874,311	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	1,035,546	1,035,546	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	487,572	487,572	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 PARIBAS LON		ORD	64,404	64,404	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 PARIBAS LUX		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.	BNYM-BANK OF NY BRUS		ORD	580,627	580,627	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	548,367	548,367	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	3,460,721	3,460,721	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	22,350	22,350	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	1,944,517	1,944,517	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	952,866	952,866	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	51,060	51,060	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	527,785	527,785	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	1,090,366	1,090,366	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	71,487	71,487	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STATE HONG KONG		ORD	58,663	58,663	subsidiary of BlackRock Inc.
BlackRock Investment Management (UK) Limited	Power to control the exercise of a right to vote attached to securities and/or the power to dispose of securities as investment manager or trustee.	SSB-STATE STREET BANK LUXEMBOURG		ORD	322,451	322,451	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	90,716	90,716	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	609,062	609,062	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	306,372	306,372	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	800,017	800,017	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.	BOA-MERRILL LYNCH SMA		ADR 10:1	100	1,000	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	865,699	865,699	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.	SSB-STATE STREET MUTUAL FUNDS - BOSTON		ORD	39,686	39,686	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.	UNION BANK		ORD	24,046	24,046	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	42,529	42,529	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	25,379	25,379	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.	BNYM-BONY LUXEMBOURG		ORD	12,511	12,511	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	928,367	928,367	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	494,496	494,496	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	15,578	15,578	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.	SSB-STATE STREET TRUST & BANKING TOKYO		ORD	324	324	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	54,935	54,935	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	669,945	669,945	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.	SSB-STATE STREET AUSTRALIA		ORD	472,459	472,459	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	2,669,564	2,669,564	subsidiary of BlackRock Inc.

Annexure B

This is Annexure B of 11 pages

OIL SEARCH LTD (OSH)

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected		Person's votes affected
			Cash	Non-cash			
BlackRock Advisors (UK) Limited	02-Oct-18	yes	21.37	on mkt buy	ORD	1,384	1,384
BlackRock Advisors (UK) Limited	02-Oct-18	yes	21.37	on mkt buy	ORD	3,087	3,087
BlackRock Institutional Trust Company, National Association	02-Oct-18	yes	21.37	on mkt buy	ORD	20,138	20,138
BlackRock Investment Management (UK) Limited	02-Oct-18	yes	21.37	on mkt buy	ORD	4,726	4,726
BlackRock Fund Advisors	02-Oct-18	yes	21.37	on mkt buy	ORD	11,265	11,265
BlackRock Investment Management (UK) Limited	02-Oct-18	yes	21.48	on mkt buy	ORD	8,078	8,078
BlackRock Fund Advisors	02-Oct-18	no	n/a	in specie	ORD	5,822	5,822
BlackRock Advisors (UK) Limited	02-Oct-18	no	n/a	collateral transfer	ORD	1,599,212	1,599,212
BlackRock Institutional Trust Company, National Association	03-Oct-18	yes	21.27	on mkt buy	ORD	15,416	15,416
BlackRock Advisors (UK) Limited	03-Oct-18	yes	21.27	on mkt buy	ORD	1,730	1,730
BlackRock Investment Management (UK) Limited	03-Oct-18	yes	21.27	on mkt buy	ORD	10,960	10,960
BlackRock Advisors (UK) Limited	04-Oct-18	yes	21.40	on mkt buy	ORD	1,038	1,038
BlackRock Investment Management (Australia) Limited	04-Oct-18	yes	21.40	on mkt buy	ORD	26,377	26,377
BlackRock Institutional Trust Company, National Association	04-Oct-18	no	n/a	in specie	ORD	14,425	14,425
BlackRock Investment Management (Australia) Limited	05-Oct-18	yes	21.44	on mkt buy	ORD	590	590
BlackRock Investment Management (Australia) Limited	05-Oct-18	yes	21.44	on mkt buy	ORD	9,108	9,108
BlackRock Fund Advisors	05-Oct-18	no	n/a	in specie	ORD	27,300	27,300
BlackRock Advisors (UK) Limited	08-Oct-18	yes	21.10	on mkt buy	ORD	511	511
BlackRock Advisors (UK) Limited	08-Oct-18	no	n/a	collateral transfer	ORD	224,264	224,264
BlackRock Financial Management, Inc.	08-Oct-18	no	n/a	collateral transfer	ORD	40,789	40,789
BlackRock Investment Management, LLC	08-Oct-18	no	n/a	collateral transfer	ORD	243,019	243,019
BlackRock Investment Management (UK) Limited	08-Oct-18	no	n/a	collateral transfer	ORD	14,282	14,282
BlackRock Institutional Trust Company, National Association	09-Oct-18	no	n/a	in specie	ORD	132,885	132,885
BlackRock Institutional Trust Company, National Association	09-Oct-18	no	n/a	in specie	ORD	9,638	9,638
BlackRock Financial Management, Inc.	09-Oct-18	yes	21.30	on mkt buy	ORD	1,850	1,850
BlackRock (Netherlands) B.V.	09-Oct-18	yes	20.78	on mkt buy	ORD	3,132	3,132
BlackRock Fund Advisors	09-Oct-18	no	n/a	in specie	ORD	23,856	23,856
BlackRock Fund Advisors	09-Oct-18	no	n/a	in specie	ORD	17,466	17,466
BlackRock Advisors (UK) Limited	10-Oct-18	yes	20.76	on mkt buy	ORD	692	692
BlackRock Advisors (UK) Limited	10-Oct-18	yes	20.76	on mkt buy	ORD	3,860	3,860
BlackRock Fund Advisors	10-Oct-18	no	n/a	in specie	ORD	5,822	5,822
BlackRock Japan Co., Ltd.	10-Oct-18	no	n/a	collateral transfer	ORD	10,590	10,590
BlackRock Advisors (UK) Limited	11-Oct-18	yes	19.93	on mkt buy	ORD	7,726	7,726
BlackRock Advisors (UK) Limited	11-Oct-18	yes	19.93	on mkt buy	ORD	2,076	2,076
BlackRock Advisors (UK) Limited	11-Oct-18	yes	19.93	on mkt buy	ORD	692	692
BlackRock Fund Advisors	11-Oct-18	no	n/a	in specie	ORD	33,600	33,600
BlackRock Japan Co., Ltd.	11-Oct-18	no	n/a	collateral transfer	ORD	432	432
BlackRock Advisors (UK) Limited	12-Oct-18	yes	19.64	on mkt buy	ORD	3,864	3,864
BlackRock Investment Management (Australia) Limited	12-Oct-18	yes	19.64	on mkt buy	ORD	70,181	70,181
BlackRock Investment Management (UK) Limited	12-Oct-18	no	n/a	in specie	ORD	3,677	3,677
BlackRock Investment Management (UK) Limited	12-Oct-18	no	n/a	in specie	ORD	58,607	58,607

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 Japan Co., Ltd.	12-Oct-18	no	n/a	collateral transfer	ORD	5,811	5,811
BlackRock Advisors, LLC	15-Oct-18	yes	19.69	on mkt buy	ORD	1,400	1,400
BlackRock Investment Management (Australia) Limited	15-Oct-18	yes	19.64	on mkt buy	ORD	10,577	10,577
BlackRock Financial Management, Inc.	16-Oct-18	yes	19.67	on mkt buy	ORD	3,473	3,473
BlackRock Advisors (UK) Limited	16-Oct-18	yes	19.68	on mkt buy	ORD	2,973	2,973
BlackRock Advisors (UK) Limited	16-Oct-18	yes	19.68	on mkt buy	ORD	1,384	1,384
BlackRock Fund Advisors	16-Oct-18	no	n/a	in specie	ORD	30,240	30,240
BlackRock Japan Co., Ltd.	16-Oct-18	no	n/a	collateral transfer	ORD	112,342	112,342
BlackRock Japan Co., Ltd.	17-Oct-18	no	n/a	collateral transfer	ORD	821,017	821,017
BlackRock Advisors (UK) Limited	18-Oct-18	yes	19.91	on mkt buy	ORD	1,384	1,384
BlackRock Investment Management (UK) Limited	18-Oct-18	no	n/a	in specie	ORD	3,303	3,303
BlackRock Investment Management (UK) Limited	18-Oct-18	no	n/a	in specie	ORD	9,261	9,261
BlackRock Japan Co., Ltd.	18-Oct-18	no	n/a	collateral transfer	ORD	16,332	16,332
BlackRock Advisors (UK) Limited	19-Oct-18	yes	20.10	on mkt buy	ORD	377	377
BlackRock Advisors (UK) Limited	19-Oct-18	no	n/a	collateral transfer	ORD	208	208
BlackRock Advisors (UK) Limited	22-Oct-18	yes	19.87	on mkt buy	ORD	2,992	2,992
BlackRock Advisors (UK) Limited	22-Oct-18	yes	19.87	on mkt buy	ORD	3,860	3,860
BlackRock Advisors (UK) Limited	22-Oct-18	yes	19.87	on mkt buy	ORD	3,115	3,115
BlackRock Institutional Trust Company, National Association	22-Oct-18	yes	19.87	on mkt buy	ORD	21,009	21,009
BlackRock Advisors, LLC	23-Oct-18	yes	19.85	on mkt buy	ORD	1,200	1,200
BlackRock Fund Advisors	23-Oct-18	yes	18.99	on mkt buy	ORD	54,848	54,848
BlackRock Fund Advisors	23-Oct-18	yes	18.99	on mkt buy	ORD	17,235	17,235
BlackRock Investment Management (Australia) Limited	23-Oct-18	yes	18.99	on mkt buy	ORD	5,452	5,452
BlackRock Advisors (UK) Limited	23-Oct-18	yes	18.99	on mkt buy	ORD	5,946	5,946
BlackRock Investment Management (UK) Limited	24-Oct-18	yes	18.66	on mkt buy	ORD	9,833	9,833
BlackRock Advisors (UK) Limited	24-Oct-18	yes	18.62	on mkt buy	ORD	2,076	2,076
BlackRock Institutional Trust Company, National Association	24-Oct-18	yes	18.62	on mkt buy	ORD	5,910	5,910
BlackRock Advisors (UK) Limited	24-Oct-18	no	n/a	collateral transfer	ORD	1,578,637	1,578,637
BlackRock Investment Management, LLC	25-Oct-18	yes	18.26	on mkt buy	ORD	1,403	1,403
BlackRock Advisors (UK) Limited	25-Oct-18	yes	18.35	on mkt buy	ORD	5,972	5,972
BlackRock Advisors (UK) Limited	25-Oct-18	yes	18.35	on mkt buy	ORD	5,990	5,990
BlackRock Advisors (UK) Limited	25-Oct-18	yes	18.35	on mkt buy	ORD	11,580	11,580
BlackRock Institutional Trust Company, National Association	25-Oct-18	yes	18.35	on mkt buy	ORD	80,710	80,710
BlackRock Institutional Trust Company, National Association	25-Oct-18	no	n/a	in specie	ORD	63,824	63,824
BlackRock Fund Advisors	25-Oct-18	no	n/a	in specie	ORD	5,967	5,967
BlackRock Advisors, LLC	26-Oct-18	no	n/a	in specie	ORD	18,232	18,232
BlackRock Investment Management (Australia) Limited	26-Oct-18	yes	18.08	on mkt buy	ORD	73,225	73,225
BlackRock Investment Management, LLC	26-Oct-18	yes	18.08	on mkt buy	ORD	7,531	7,531
BlackRock Fund Advisors	26-Oct-18	yes	18.08	on mkt buy	ORD	8,449	8,449
BlackRock Fund Advisors	26-Oct-18	yes	18.08	on mkt buy	ORD	228	228
BlackRock Advisors (UK) Limited	26-Oct-18	no	n/a	collateral transfer	ORD	310,080	310,080
BlackRock Investment Management (Australia) Limited	29-Oct-18	yes	18.12	on mkt buy	ORD	41,019	41,019
BlackRock Advisors (UK) Limited	29-Oct-18	yes	18.12	on mkt buy	ORD	54,040	54,040
BlackRock Advisors (UK) Limited	29-Oct-18	yes	18.13	on mkt buy	ORD	3,817	3,817
BlackRock Institutional Trust Company, National Association	29-Oct-18	yes	18.13	on mkt buy	ORD	4,781	4,781
BlackRock Fund Advisors	29-Oct-18	no	n/a	in specie	ORD	7,480	7,480
BlackRock Japan Co., Ltd.	29-Oct-18	no	n/a	collateral transfer	ORD	25,974	25,974
BlackRock Investment Management (Australia) Limited	30-Oct-18	yes	18.02	on mkt buy	ORD	16,680	16,680
BlackRock Financial Management, Inc.	31-Oct-18	yes	18.20	on mkt buy	ORD	1,144	1,144
BlackRock Institutional Trust Company, National Association	31-Oct-18	yes	18.22	on mkt buy	ORD	14,540	14,540
BlackRock Japan Co., Ltd.	31-Oct-18	yes	17.90	on mkt buy	ORD	3,052	3,052
BlackRock Advisors (UK) Limited	31-Oct-18	yes	18.13	on mkt buy	ORD	1,041	1,041

Holder of Relevant Interest	Date of Acquisition / Trans on a prescribed fin'l mkt		Consideration		Class and number of securities affected		Person's votes affected
			Cash	Non-cash			
BlackRock Institutional Trust Company, National Association	31-Oct-18	yes	18.13	on mkt buy	ORD	79,767	79,767
BlackRock Institutional Trust Company, National Association	31-Oct-18	yes	18.13	on mkt buy	ORD	3,181	3,181
BlackRock Fund Advisors	31-Oct-18	yes	18.13	on mkt buy	ORD	4,791	4,791
BlackRock Fund Advisors	31-Oct-18	no	n/a	in specie	ORD	9,520	9,520
BlackRock Fund Advisors	31-Oct-18	no	n/a	in specie	ORD	3,132	3,132
BlackRock Japan Co., Ltd.	31-Oct-18	no	n/a	collateral transfer	ORD	103,772	103,772
BlackRock (Singapore) Limited	01-Nov-18	no	n/a	in specie	ORD	7,950	7,950
BlackRock Advisors (UK) Limited	01-Nov-18	yes	18.32	on mkt buy	ORD	668	668
BlackRock Advisors (UK) Limited	01-Nov-18	yes	18.32	on mkt buy	ORD	1,735	1,735
BlackRock Advisors (UK) Limited	01-Nov-18	yes	18.32	on mkt buy	ORD	1,896	1,896
BlackRock Investment Management (Australia) Limited	01-Nov-18	yes	18.32	on mkt buy	ORD	27,681	27,681
BlackRock Investment Management (Australia) Limited	02-Nov-18	yes	18.22	on mkt buy	ORD	13,608	13,608
BlackRock Advisors (UK) Limited	02-Nov-18	yes	18.22	on mkt buy	ORD	2,992	2,992
BlackRock Fund Advisors	02-Nov-18	no	n/a	in specie	ORD	5,967	5,967
BlackRock Fund Advisors	05-Nov-18	no	n/a	in specie	ORD	7,572	7,572
BlackRock Fund Advisors	05-Nov-18	no	n/a	in specie	ORD	692	692
BlackRock Advisors (UK) Limited	06-Nov-18	yes	18.38	on mkt buy	ORD	2,429	2,429
BlackRock Institutional Trust Company, National Association	06-Nov-18	yes	18.38	on mkt buy	ORD	120,021	120,021
BlackRock Advisors (UK) Limited	06-Nov-18	yes	18.38	on mkt buy	ORD	8,828	8,828
BlackRock Advisors (UK) Limited	07-Nov-18	yes	18.47	on mkt buy	ORD	3,010	3,010
BlackRock Advisors (UK) Limited	07-Nov-18	yes	18.47	on mkt buy	ORD	1,400	1,400
BlackRock Advisors (UK) Limited	07-Nov-18	yes	18.47	on mkt buy	ORD	1,400	1,400
BlackRock Fund Advisors	07-Nov-18	no	n/a	in specie	ORD	5,967	5,967
BlackRock Investment Management (Australia) Limited	08-Nov-18	yes	18.78	on mkt buy	ORD	7,647	7,647
BlackRock Investment Management (Australia) Limited	08-Nov-18	yes	18.78	on mkt buy	ORD	6,326	6,326
BlackRock Fund Advisors	08-Nov-18	no	n/a	in specie	ORD	6,310	6,310
BlackRock Fund Advisors	08-Nov-18	no	n/a	in specie	ORD	11,934	11,934
BlackRock Advisors (UK) Limited	09-Nov-18	yes	18.40	on mkt buy	ORD	704	704
BlackRock Investment Management (Australia) Limited	09-Nov-18	yes	18.40	on mkt buy	ORD	161,050	161,050
BlackRock Fund Advisors	09-Nov-18	yes	18.40	on mkt buy	ORD	9,758	9,758
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	ORD	3,786	3,786
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	ORD	6,800	6,800
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	ORD	3,400	3,400
BlackRock Fund Advisors	09-Nov-18	no	n/a	in specie	ORD	1,568	1,568
BlackRock Investment Management (UK) Limited	09-Nov-18	no	n/a	in specie	ORD	50,520	50,520
BlackRock Investment Management (UK) Limited	09-Nov-18	no	n/a	in specie	ORD	45,880	45,880
BlackRock Investment Management, LLC	12-Nov-18	yes	18.71	on mkt buy	ORD	5,243	5,243
BlackRock Fund Advisors	12-Nov-18	yes	18.71	on mkt buy	ORD	12,748	12,748
BlackRock Advisors (UK) Limited	13-Nov-18	yes	18.23	on mkt buy	ORD	2,422	2,422
BlackRock Investment Management (Australia) Limited	14-Nov-18	yes	17.75	on mkt buy	ORD	14,964	14,964
BlackRock Investment Management (Australia) Limited	14-Nov-18	yes	17.75	on mkt buy	ORD	2,845	2,845
BlackRock Financial Management, Inc.	14-Nov-18	no	n/a	in specie	ORD	82,579	82,579
BlackRock Advisors (UK) Limited	14-Nov-18	yes	17.78	on mkt buy	ORD	3,460	3,460
BlackRock Fund Advisors	14-Nov-18	no	n/a	in specie	ORD	10,096	10,096
BlackRock Investment Management (UK) Limited	14-Nov-18	no	n/a	in specie	ORD	4,283	4,283
BlackRock Japan Co., Ltd.	14-Nov-18	no	n/a	collateral transfer	ORD	114,087	114,087
BlackRock Advisors, LLC	15-Nov-18	yes	17.84	on mkt buy	ORD	3,800	3,800
BlackRock Investment Management (Australia) Limited	15-Nov-18	yes	18.15	on mkt buy	ORD	13,608	13,608
BlackRock (Netherlands) B.V.	15-Nov-18	yes	18.15	on mkt buy	ORD	947	947
BlackRock Institutional Trust Company, National Association	15-Nov-18	yes	18.15	on mkt buy	ORD	15,781	15,781
BlackRock Fund Advisors	15-Nov-18	yes	18.15	on mkt buy	ORD	6,664	6,664
BlackRock Fund Advisors	15-Nov-18	no	n/a	in specie	ORD	7,572	7,572
BlackRock Advisors, LLC	16-Nov-18	yes	18.16	on mkt buy	ORD	6,907	6,907
BlackRock Advisors, LLC	16-Nov-18	yes	18.37	on mkt buy	ORD	14,300	14,300
BlackRock Advisors (UK) Limited	16-Nov-18	yes	18.16	on mkt buy	ORD	1,058	1,058
BlackRock Institutional Trust Company, National Association	16-Nov-18	yes	18.16	on mkt buy	ORD	1,340	1,340
BlackRock Advisors, LLC	16-Nov-18	yes	18.16	on mkt buy	ORD	3,199	3,199

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-Nov-18	yes	18.06	on mkt buy	ORD	188	188
BlackRock Advisors (UK) Limited	16-Nov-18	yes	18.06	on mkt buy	ORD	3,617	3,617
BlackRock Fund Advisors	16-Nov-18	no	n/a	in specie	ORD	8,944	8,944
BlackRock Advisors, LLC	16-Nov-18	no	n/a	in specie	ORD	18,873	18,873
BlackRock Fund Advisors	19-Nov-18	no	n/a	in specie	ORD	3,440	3,440
BlackRock Fund Advisors	19-Nov-18	no	n/a	in specie	ORD	7,710	7,710
BlackRock Financial Management, Inc.	20-Nov-18	yes	17.59	on mkt buy	ORD	2,421	2,421
BlackRock Japan Co., Ltd.	20-Nov-18	yes	17.58	on mkt buy	ORD	16,305	16,305
BlackRock Advisors (UK) Limited	20-Nov-18	yes	17.58	on mkt buy	ORD	6,052	6,052
BlackRock Advisors (UK) Limited	20-Nov-18	yes	17.58	on mkt buy	ORD	3,886	3,886
BlackRock Advisors (UK) Limited	20-Nov-18	yes	17.58	on mkt buy	ORD	513	513
BlackRock Fund Advisors	20-Nov-18	no	n/a	in specie	ORD	3,855	3,855
BlackRock Fund Advisors	20-Nov-18	no	n/a	in specie	ORD	1,038	1,038
BlackRock Japan Co., Ltd.	20-Nov-18	no	n/a	collateral transfer	ORD	1,464,869	1,464,869
BlackRock Japan Co., Ltd.	21-Nov-18	yes	17.60	on mkt buy	ORD	16,305	16,305
BlackRock Fund Advisors	21-Nov-18	no	n/a	in specie	ORD	3,837	3,837
BlackRock Investment Management (Australia) Limited	22-Nov-18	yes	17.62	on mkt buy	ORD	13,772	13,772
BlackRock Advisors (UK) Limited	23-Nov-18	yes	17.82	on mkt buy	ORD	3,886	3,886
BlackRock Fund Advisors	23-Nov-18	no	n/a	in specie	ORD	1,233	1,233
BlackRock Fund Advisors	23-Nov-18	no	n/a	in specie	ORD	8,834	8,834
BlackRock Advisors (UK) Limited	26-Nov-18	yes	17.11	on mkt buy	ORD	325	325
BlackRock Institutional Trust Company, National Association	26-Nov-18	yes	17.11	on mkt buy	ORD	58,836	58,836
BlackRock Fund Advisors	26-Nov-18	no	n/a	in specie	ORD	31,360	31,360
BlackRock Advisors (UK) Limited	27-Nov-18	yes	17.21	on mkt buy	ORD	1,953	1,953
BlackRock Investment Management (Australia) Limited	27-Nov-18	yes	17.23	on mkt buy	ORD	15,120	15,120
BlackRock Fund Advisors	27-Nov-18	no	n/a	in specie	ORD	2,752	2,752
BlackRock Fund Advisors	27-Nov-18	no	n/a	in specie	ORD	96,186	96,186
BlackRock Advisors (UK) Limited	28-Nov-18	yes	17.35	on mkt buy	ORD	2,140	2,140
BlackRock Asset Management Canada Limited	28-Nov-18	yes	17.35	on mkt buy	ORD	5,435	5,435
BlackRock Fund Advisors	28-Nov-18	no	n/a	in specie	ORD	6,536	6,536
BlackRock Japan Co., Ltd.	28-Nov-18	no	n/a	collateral transfer	ORD	364,970	364,970
BlackRock Advisors (UK) Limited	28-Nov-18	no	n/a	collateral transfer	ORD	535,935	535,935
BlackRock Investment Management, LLC	28-Nov-18	no	n/a	collateral transfer	ORD	49,850	49,850
BlackRock Investment Management (UK) Limited	28-Nov-18	no	n/a	collateral transfer	ORD	396,963	396,963
BlackRock Advisors (UK) Limited	29-Nov-18	yes	17.66	on mkt buy	ORD	9,084	9,084
BlackRock Fund Advisors	29-Nov-18	no	n/a	in specie	ORD	7,572	7,572
BlackRock Japan Co., Ltd.	29-Nov-18	no	n/a	collateral transfer	ORD	57,719	57,719
BlackRock Investment Management (UK) Limited	29-Nov-18	no	n/a	collateral transfer	ORD	592,275	592,275
BlackRock Advisors (UK) Limited	30-Nov-18	yes	17.65	on mkt buy	ORD	50,297	50,297
BlackRock Advisors (UK) Limited	30-Nov-18	yes	17.65	on mkt buy	ORD	150,885	150,885
BlackRock Advisors (UK) Limited	30-Nov-18	yes	17.65	on mkt buy	ORD	7,455	7,455
BlackRock Advisors (UK) Limited	30-Nov-18	yes	17.65	on mkt buy	ORD	22,359	22,359
BlackRock Fund Advisors	30-Nov-18	yes	17.65	on mkt buy	ORD	4,955	4,955
BlackRock Fund Advisors	30-Nov-18	yes	17.65	on mkt buy	ORD	14,867	14,867
BlackRock Advisors (UK) Limited	30-Nov-18	yes	17.65	on mkt buy	ORD	22,260	22,260
BlackRock Advisors (UK) Limited	30-Nov-18	yes	17.65	on mkt buy	ORD	7,422	7,422
BlackRock Advisors (UK) Limited	30-Nov-18	yes	17.65	on mkt buy	ORD	7,175	7,175
BlackRock Advisors (UK) Limited	30-Nov-18	yes	17.65	on mkt buy	ORD	2,390	2,390
BlackRock Institutional Trust Company, National Association	30-Nov-18	yes	17.65	on mkt buy	ORD	3,993	3,993
BlackRock Institutional Trust Company, National Association	30-Nov-18	yes	17.65	on mkt buy	ORD	1,330	1,330
BlackRock Institutional Trust Company, National Association	30-Nov-18	yes	17.65	on mkt buy	ORD	4,937	4,937
BlackRock Institutional Trust Company, National Association	30-Nov-18	yes	17.65	on mkt buy	ORD	14,821	14,821
BlackRock Investment Management, LLC	30-Nov-18	yes	17.65	on mkt buy	ORD	482	482
BlackRock Investment Management, LLC	30-Nov-18	yes	17.65	on mkt buy	ORD	1,452	1,452
BlackRock Fund Advisors	30-Nov-18	no	n/a	in specie	ORD	5,658	5,658
BlackRock Investment Management (Australia) Limited	03-Dec-18	yes	18.71	on mkt buy	ORD	87,315	87,315
BlackRock Institutional Trust Company, National Association	04-Dec-18	yes	18.57	on mkt buy	ORD	7,645	7,645
BlackRock Advisors (UK) Limited	04-Dec-18	yes	18.29	on mkt buy	ORD	439	439

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	04-Dec-18	no	n/a	in specie	ORD	6,941	6,941
BlackRock Japan Co., Ltd.	04-Dec-18	no	n/a	collateral transfer	ORD	64,968	64,968
BlackRock Fund Advisors	05-Dec-18	yes	17.84	on mkt buy	ORD	48,216	48,216
BlackRock Investment Management (UK) Limited	06-Dec-18	no	n/a	in specie	ORD	1,259,236	1,259,236
BlackRock Advisors (UK) Limited	06-Dec-18	yes	17.62	on mkt buy	ORD	12,839	12,839
BlackRock Advisors (UK) Limited	06-Dec-18	yes	17.62	on mkt buy	ORD	691	691
BlackRock Advisors (UK) Limited	06-Dec-18	yes	17.62	on mkt buy	ORD	3,496	3,496
BlackRock Advisors (UK) Limited	06-Dec-18	yes	17.62	on mkt buy	ORD	5,582	5,582
BlackRock Fund Advisors	06-Dec-18	yes	17.62	on mkt buy	ORD	16,097	16,097
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	ORD	9,465	9,465
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	ORD	15,792	15,792
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	ORD	3,745	3,745
BlackRock Fund Advisors	06-Dec-18	no	n/a	in specie	ORD	49,984	49,984
BlackRock Advisors (UK) Limited	07-Dec-18	yes	17.38	on mkt buy	ORD	6,885	6,885
BlackRock Fund Advisors	07-Dec-18	no	n/a	in specie	ORD	2,466	2,466
BlackRock Fund Advisors	07-Dec-18	no	n/a	in specie	ORD	9,465	9,465
BlackRock Advisors (UK) Limited	07-Dec-18	no	n/a	collateral transfer	ORD	2	2
BlackRock Advisors, LLC	10-Dec-18	yes	17.37	on mkt buy	ORD	3,900	3,900
BlackRock Investment Management (Australia) Limited	10-Dec-18	yes	17.44	on mkt buy	ORD	7,560	7,560
BlackRock Advisors (UK) Limited	10-Dec-18	yes	17.44	on mkt buy	ORD	7,778	7,778
BlackRock Advisors (UK) Limited	10-Dec-18	yes	17.44	on mkt buy	ORD	1,542	1,542
BlackRock Fund Advisors	10-Dec-18	yes	17.44	on mkt buy	ORD	11,527	11,527
BlackRock Fund Advisors	10-Dec-18	no	n/a	in specie	ORD	19,740	19,740
BlackRock Fund Advisors	10-Dec-18	no	n/a	in specie	ORD	2,422	2,422
BlackRock Fund Advisors	10-Dec-18	no	n/a	in specie	ORD	3,837	3,837
BlackRock Advisors, LLC	10-Dec-18	no	n/a	collateral transfer	ORD	29,767	29,767
BlackRock Japan Co., Ltd.	10-Dec-18	no	n/a	collateral transfer	ORD	4,310	4,310
BlackRock Financial Management, Inc.	10-Dec-18	no	n/a	collateral transfer	ORD	9,308	9,308
BlackRock Investment Management, LLC	10-Dec-18	no	n/a	collateral transfer	ORD	339,071	339,071
BlackRock Investment Management (UK) Limited	10-Dec-18	no	n/a	collateral transfer	ORD	145,918	145,918
BlackRock Asset Management North Asia Limited	10-Dec-18	no	n/a	collateral transfer	ORD	198,444	198,444
BlackRock Investment Management (Australia) Limited	11-Dec-18	yes	17.28	on mkt buy	ORD	15,120	15,120
BlackRock Advisors (UK) Limited	11-Dec-18	yes	17.28	on mkt buy	ORD	5,968	5,968
BlackRock Fund Advisors	11-Dec-18	no	n/a	in specie	ORD	7,572	7,572
BlackRock Japan Co., Ltd.	11-Dec-18	no	n/a	collateral transfer	ORD	91,642	91,642
BlackRock Investment Management, LLC	11-Dec-18	no	n/a	collateral transfer	ORD	42,306	42,306
BlackRock Advisors (UK) Limited	12-Dec-18	yes	17.63	on mkt buy	ORD	1,044	1,044
BlackRock Fund Advisors	12-Dec-18	no	n/a	in specie	ORD	8,203	8,203
BlackRock Fund Advisors	12-Dec-18	no	n/a	in specie	ORD	5,679	5,679
BlackRock Fund Advisors	12-Dec-18	no	n/a	in specie	ORD	3,675	3,675
BlackRock Fund Advisors	12-Dec-18	no	n/a	in specie	ORD	1,730	1,730
BlackRock Fund Advisors	12-Dec-18	no	n/a	in specie	ORD	1,038	1,038
BlackRock Fund Advisors	12-Dec-18	no	n/a	in specie	ORD	9,465	9,465
BlackRock Japan Co., Ltd.	12-Dec-18	no	n/a	collateral transfer	ORD	245,629	245,629
BlackRock Financial Management, Inc.	12-Dec-18	no	n/a	collateral transfer	ORD	330	330
BlackRock Asset Management North Asia Limited	12-Dec-18	no	n/a	collateral transfer	ORD	12,734	12,734
BlackRock Fund Advisors	13-Dec-18	yes	17.59	on mkt buy	ORD	6,736	6,736
BlackRock Investment Management (UK) Limited	13-Dec-18	no	n/a	in specie	ORD	17,410	17,410
BlackRock Advisors, LLC	13-Dec-18	no	n/a	collateral transfer	ORD	2,613	2,613
BlackRock Asset Management North Asia Limited	13-Dec-18	no	n/a	collateral transfer	ORD	10,594	10,594
BlackRock Advisors, LLC	14-Dec-18	yes	17.63	on mkt buy	ORD	550	550
BlackRock Advisors (UK) Limited	14-Dec-18	yes	17.09	on mkt buy	ORD	439	439
BlackRock Advisors (UK) Limited	14-Dec-18	yes	17.09	on mkt buy	ORD	22,207	22,207
BlackRock Fund Advisors	14-Dec-18	no	n/a	in specie	ORD	18,930	18,930
BlackRock Fund Advisors	14-Dec-18	no	n/a	in specie	ORD	12,254	12,254
BlackRock Japan Co., Ltd.	17-Dec-18	yes	17.14	on mkt buy	ORD	3,457	3,457

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			Cash	Non-cash			
BlackRock Fund Advisors	17-Dec-18	no	n/a	in specie	ORD	5,679	5,679
BlackRock Fund Advisors	17-Dec-18	no	n/a	in specie	ORD	7,674	7,674
BlackRock Fund Advisors	17-Dec-18	no	n/a	in specie	ORD	12,254	12,254
BlackRock Advisors, LLC	17-Dec-18	no	n/a	collateral transfer	ORD	1,649	1,649
BlackRock Financial Management, Inc.	17-Dec-18	no	n/a	collateral transfer	ORD	489	489
BlackRock Investment Management (UK) Limited	17-Dec-18	no	n/a	collateral transfer	ORD	10,908	10,908
BlackRock Asset Management North Asia Limited	17-Dec-18	no	n/a	collateral transfer	ORD	6,444	6,444
BlackRock Advisors (UK) Limited	18-Dec-18	yes	16.72	on mkt buy	ORD	441	441
BlackRock Advisors, LLC	18-Dec-18	no	n/a	collateral transfer	ORD	351	351
BlackRock Japan Co., Ltd.	18-Dec-18	no	n/a	collateral transfer	ORD	68,711	68,711
BlackRock Investment Management, LLC	18-Dec-18	no	n/a	collateral transfer	ORD	2,892	2,892
BlackRock Asset Management North Asia Limited	18-Dec-18	no	n/a	collateral transfer	ORD	2,175	2,175
BlackRock Investment Management (UK) Limited	19-Dec-18	yes	16.28	on mkt buy	ORD	19,227	19,227
BlackRock Japan Co., Ltd.	19-Dec-18	no	n/a	collateral transfer	ORD	91,690	91,690
BlackRock Investment Management, LLC	19-Dec-18	no	n/a	collateral transfer	ORD	5,468	5,468
BlackRock Investment Management (UK) Limited	20-Dec-18	yes	15.93	on mkt buy	ORD	6,650	6,650
BlackRock Institutional Trust Company, National Association	20-Dec-18	yes	15.93	on mkt buy	ORD	1,360	1,360
BlackRock International Limited	20-Dec-18	yes	15.93	on mkt buy	ORD	11,089	11,089
BlackRock Fund Advisors	20-Dec-18	yes	15.93	on mkt buy	ORD	12,272	12,272
BlackRock Institutional Trust Company, National Association	20-Dec-18	yes	15.93	on mkt buy	ORD	27,283	27,283
BlackRock Institutional Trust Company, National Association	20-Dec-18	yes	15.93	on mkt buy	ORD	8,155	8,155
BlackRock (Netherlands) B.V.	20-Dec-18	yes	15.93	on mkt buy	ORD	1,967	1,967
BlackRock Fund Advisors	20-Dec-18	yes	15.93	on mkt buy	ORD	21,042	21,042
BlackRock Fund Advisors	20-Dec-18	no	n/a	in specie	ORD	15,648	15,648
BlackRock Investment Management (UK) Limited	20-Dec-18	no	n/a	collateral transfer	ORD	303,511	303,511
BlackRock Financial Management, Inc.	21-Dec-18	yes	15.81	on mkt buy	ORD	1,163	1,163
BlackRock Advisors (UK) Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	12,090	12,090
BlackRock Advisors (UK) Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	188	188
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	9,508	9,508
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	23,271	23,271
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	29,410	29,410
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	16,317	16,317
BlackRock Advisors (UK) Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	18,149	18,149
BlackRock Investment Management (Australia) Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	6,356	6,356
BlackRock Financial Management, Inc.	21-Dec-18	yes	16.00	on mkt buy	ORD	2,880	2,880
BlackRock Financial Management, Inc.	21-Dec-18	yes	16.00	on mkt buy	ORD	8,284	8,284
BlackRock Asset Management Canada Limited	21-Dec-18	yes	16.00	on mkt buy	ORD	12,316	12,316
BlackRock Fund Advisors	21-Dec-18	no	n/a	in specie	ORD	7,572	7,572
BlackRock Fund Advisors	21-Dec-18	no	n/a	in specie	ORD	20,740	20,740
BlackRock Fund Advisors	21-Dec-18	no	n/a	in specie	ORD	3,720	3,720
BlackRock Advisors (UK) Limited	21-Dec-18	no	n/a	collateral transfer	ORD	432,027	432,027
BlackRock Investment Management, LLC	21-Dec-18	no	n/a	collateral transfer	ORD	45,183	45,183
BlackRock Fund Advisors	24-Dec-18	yes	16.08	on mkt buy	ORD	6,561	6,561
BlackRock Fund Advisors	24-Dec-18	no	n/a	in specie	ORD	18,930	18,930
BlackRock Advisors, LLC	24-Dec-18	no	n/a	collateral transfer	ORD	3,675	3,675
BlackRock Japan Co., Ltd.	24-Dec-18	no	n/a	collateral transfer	ORD	12,983	12,983
BlackRock Advisors (UK) Limited	24-Dec-18	no	n/a	collateral transfer	ORD	390,666	390,666

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BlackRock Financial Management, Inc.	24-Dec-18	no	n/a	collateral transfer	ORD	1,001	1,001
BlackRock Investment Management (UK) Limited	24-Dec-18	no	n/a	collateral transfer	ORD	15,566	15,566
BlackRock Asset Management North Asia Limited	24-Dec-18	no	n/a	collateral transfer	ORD	25,566	25,566
BlackRock Fund Advisors	26-Dec-18	no	n/a	in specie	ORD	2,738	2,738
BlackRock Fund Advisors	26-Dec-18	no	n/a	in specie	ORD	11,942	11,942
BlackRock Fund Advisors	26-Dec-18	no	n/a	in specie	ORD	15,648	15,648
BlackRock Advisors, LLC	26-Dec-18	no	n/a	collateral transfer	ORD	16,508	16,508
BlackRock Japan Co., Ltd.	26-Dec-18	no	n/a	collateral transfer	ORD	731,351	731,351
BlackRock Advisors (UK) Limited	26-Dec-18	no	n/a	collateral transfer	ORD	31,027	31,027
BlackRock Financial Management, Inc.	26-Dec-18	no	n/a	collateral transfer	ORD	4,827	4,827
BlackRock Investment Management, LLC	26-Dec-18	no	n/a	collateral transfer	ORD	318,461	318,461
BlackRock Investment Management (UK) Limited	26-Dec-18	no	n/a	collateral transfer	ORD	144,848	144,848
BlackRock Asset Management North Asia Limited	26-Dec-18	no	n/a	collateral transfer	ORD	123,020	123,020
BlackRock Investment Management, LLC	27-Dec-18	yes	16.53	on mkt buy	ORD	9,135	9,135
BlackRock Fund Advisors	27-Dec-18	yes	16.53	on mkt buy	ORD	9,971	9,971
BlackRock Fund Advisors	27-Dec-18	no	n/a	in specie	ORD	27,384	27,384
BlackRock Advisors, LLC	27-Dec-18	no	n/a	collateral transfer	ORD	304	304
BlackRock Investment Management (UK) Limited	27-Dec-18	no	n/a	collateral transfer	ORD	39,096	39,096
BlackRock Advisors, LLC	28-Dec-18	yes	16.70	on mkt buy	ORD	2,300	2,300
BlackRock Investment Management, LLC	28-Dec-18	yes	16.61	on mkt buy	ORD	3,495	3,495
BlackRock Financial Management, Inc.	31-Dec-18	no	n/a	in specie	ORD	7,900	7,900
BlackRock Advisors, LLC	31-Dec-18	yes	16.68	on mkt buy	ORD	5,050	5,050
BlackRock Advisors, LLC	31-Dec-18	yes	16.68	on mkt buy	ORD	3,100	3,100
BlackRock Investment Management (UK) Limited	31-Dec-18	yes	16.68	on mkt buy	ORD	18,750	18,750
BlackRock Institutional Trust Company, National Association	31-Dec-18	yes	16.70	on mkt buy	ORD	6,612	6,612
BlackRock Fund Advisors	31-Dec-18	no	n/a	in specie	ORD	2,768	2,768
BlackRock Fund Advisors	31-Dec-18	no	n/a	in specie	ORD	18,279	18,279
BlackRock Advisors, LLC	31-Dec-18	no	n/a	collateral transfer	ORD	404	404
BlackRock Financial Management, Inc.	31-Dec-18	no	n/a	collateral transfer	ORD	198	198
BlackRock Investment Management, LLC	31-Dec-18	no	n/a	collateral transfer	ORD	5,101	5,101
BlackRock Asset Management North Asia Limited	31-Dec-18	no	n/a	collateral transfer	ORD	5,467	5,467
BlackRock Advisors, LLC	01-Jan-19	no	n/a	collateral transfer	ORD	3	3
BlackRock Financial Management, Inc.	01-Jan-19	no	n/a	collateral transfer	ORD	51	51
BlackRock Asset Management North Asia Limited	01-Jan-19	no	n/a	collateral transfer	ORD	23	23
BlackRock Advisors (UK) Limited	02-Jan-19	yes	16.06	on mkt buy	ORD	507	507
BlackRock Institutional Trust Company, National Association	02-Jan-19	yes	16.06	on mkt buy	ORD	23,717	23,717
BlackRock Fund Advisors	02-Jan-19	no	n/a	in specie	ORD	18,279	18,279
BlackRock Fund Advisors	02-Jan-19	no	n/a	in specie	ORD	17,913	17,913
BlackRock Investment Management, LLC	02-Jan-19	no	n/a	collateral transfer	ORD	22,919	22,919
BlackRock Fund Advisors	03-Jan-19	no	n/a	in specie	ORD	11,942	11,942
BlackRock Fund Advisors	03-Jan-19	no	n/a	in specie	ORD	1,038	1,038
BlackRock Advisors (UK) Limited	03-Jan-19	no	n/a	collateral transfer	ORD	263,802	263,802
BlackRock Investment Management, LLC	03-Jan-19	no	n/a	collateral transfer	ORD	24,412	24,412
BlackRock Institutional Trust Company, National Association	04-Jan-19	yes	16.73	on mkt buy	ORD	313,763	313,763
BlackRock Advisors (UK) Limited	04-Jan-19	yes	16.73	on mkt buy	ORD	4,030	4,030
BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	ORD	5,679	5,679
BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	ORD	15,660	15,660
BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	ORD	6,168	6,168
BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	ORD	1,038	1,038

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BlackRock Fund Advisors	04-Jan-19	no	n/a	in specie	ORD	7,674	7,674
BlackRock Advisors, LLC	04-Jan-19	no	n/a	collateral transfer	ORD	167	167
BlackRock Advisors (UK) Limited	04-Jan-19	no	n/a	collateral transfer	ORD	2	2
BlackRock Investment Management (UK) Limited	04-Jan-19	no	n/a	collateral transfer	ORD	9,940	9,940
BlackRock Advisors, LLC	07-Jan-19	yes	17.43	on mkt buy	ORD	3,550	3,550
BlackRock Investment Management (UK) Limited	07-Jan-19	yes	17.43	on mkt buy	ORD	16,150	16,150
BlackRock Institutional Trust Company, National Association	07-Jan-19	yes	17.45	on mkt buy	ORD	61,287	61,287
BlackRock Advisors, LLC	07-Jan-19	no	n/a	collateral transfer	ORD	451	451
BlackRock Japan Co., Ltd.	07-Jan-19	no	n/a	collateral transfer	ORD	314,583	314,583
BlackRock Advisors (UK) Limited	07-Jan-19	no	n/a	collateral transfer	ORD	4	4
BlackRock Investment Management, LLC	07-Jan-19	no	n/a	collateral transfer	ORD	1,928	1,928
BlackRock Investment Management (UK) Limited	07-Jan-19	no	n/a	collateral transfer	ORD	1,198	1,198
BlackRock Investment Management (UK) Limited	08-Jan-19	yes	17.27	on mkt buy	ORD	41,550	41,550
BlackRock Advisors (UK) Limited	08-Jan-19	yes	17.28	on mkt buy	ORD	4,033	4,033
BlackRock Fund Advisors	08-Jan-19	no	n/a	in specie	ORD	4,872	4,872
BlackRock Advisors, LLC	08-Jan-19	no	n/a	collateral transfer	ORD	6,098	6,098
BlackRock Japan Co., Ltd.	08-Jan-19	no	n/a	collateral transfer	ORD	357,762	357,762
BlackRock Financial Management, Inc.	08-Jan-19	no	n/a	collateral transfer	ORD	18	18
BlackRock Investment Management, LLC	08-Jan-19	no	n/a	collateral transfer	ORD	2,916	2,916
BlackRock Investment Management (UK) Limited	08-Jan-19	no	n/a	collateral transfer	ORD	817	817
BlackRock Investment Management (UK) Limited	09-Jan-19	yes	17.56	on mkt buy	ORD	11,100	11,100
BlackRock Advisors (UK) Limited	09-Jan-19	yes	17.82	on mkt buy	ORD	3,612	3,612
BlackRock Advisors (UK) Limited	09-Jan-19	yes	17.82	on mkt buy	ORD	8,066	8,066
BlackRock Institutional Trust Company, National Association	09-Jan-19	yes	17.82	on mkt buy	ORD	5,187	5,187
BlackRock Japan Co., Ltd.	09-Jan-19	no	n/a	collateral transfer	ORD	936	936
BlackRock Financial Management, Inc.	09-Jan-19	no	n/a	collateral transfer	ORD	78	78
BlackRock Investment Management (UK) Limited	09-Jan-19	no	n/a	collateral transfer	ORD	10,522	10,522
BlackRock Asset Management North Asia Limited	09-Jan-19	no	n/a	collateral transfer	ORD	18,209	18,209
BlackRock Investment Management (UK) Limited	10-Jan-19	yes	18.10	on mkt buy	ORD	15,150	15,150
BlackRock Advisors (UK) Limited	10-Jan-19	yes	18.05	on mkt buy	ORD	6,192	6,192
BlackRock Advisors (UK) Limited	10-Jan-19	yes	18.08	on mkt buy	ORD	700	700
BlackRock Advisors (UK) Limited	10-Jan-19	yes	18.08	on mkt buy	ORD	4,048	4,048
BlackRock Fund Advisors	10-Jan-19	no	n/a	in specie	ORD	5,116	5,116
BlackRock Japan Co., Ltd.	10-Jan-19	no	n/a	collateral transfer	ORD	108,126	108,126
BlackRock Financial Management, Inc.	10-Jan-19	no	n/a	collateral transfer	ORD	39	39
BlackRock Investment Management (UK) Limited	10-Jan-19	no	n/a	collateral transfer	ORD	3,986	3,986
BlackRock Asset Management North Asia Limited	10-Jan-19	no	n/a	collateral transfer	ORD	2,022	2,022
BlackRock Institutional Trust Company, National Association	11-Jan-19	no	n/a	in specie	ORD	122,550	122,550
BlackRock Advisors (UK) Limited	11-Jan-19	yes	18.14	on mkt buy	ORD	3,096	3,096
BlackRock Advisors (UK) Limited	11-Jan-19	yes	18.14	on mkt buy	ORD	3,061	3,061
BlackRock Institutional Trust Company, National Association	11-Jan-19	yes	18.14	on mkt buy	ORD	3,893	3,893
BlackRock Advisors, LLC	11-Jan-19	no	n/a	collateral transfer	ORD	892	892
BlackRock Financial Management, Inc.	11-Jan-19	no	n/a	collateral transfer	ORD	74	74
BlackRock Investment Management (UK) Limited	11-Jan-19	no	n/a	collateral transfer	ORD	14,250	14,250

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BlackRock Asset Management North Asia Limited	11-Jan-19	no	n/a	collateral transfer	ORD	8,575	8,575
BlackRock Advisors, LLC	14-Jan-19	no	n/a	collateral transfer	ORD	4,455	4,455
BlackRock Advisors (UK) Limited	14-Jan-19	no	n/a	collateral transfer	ORD	1	1
BlackRock Investment Management, LLC	14-Jan-19	no	n/a	collateral transfer	ORD	23,804	23,804
BlackRock Fund Advisors	15-Jan-19	yes	17.96	on mkt buy	ORD	7,143	7,143
BlackRock Advisors (UK) Limited	15-Jan-19	yes	18.06	on mkt buy	ORD	3,097	3,097
BlackRock Advisors (UK) Limited	15-Jan-19	yes	18.14	on mkt buy	ORD	1,095	1,095
BlackRock Financial Management, Inc.	15-Jan-19	no	n/a	collateral transfer	ORD	11	11
BlackRock Investment Management (UK) Limited	15-Jan-19	no	n/a	collateral transfer	ORD	9,226	9,226
BlackRock Advisors (UK) Limited	16-Jan-19	yes	18.06	on mkt buy	ORD	440	440
BlackRock Investment Management (Australia) Limited	16-Jan-19	yes	18.06	on mkt buy	ORD	54,045	54,045
BlackRock Institutional Trust Company, National Association	16-Jan-19	yes	18.06	on mkt buy	ORD	5,193	5,193
BlackRock Fund Advisors	16-Jan-19	no	n/a	in specie	ORD	16,592	16,592
BlackRock Financial Management, Inc.	16-Jan-19	no	n/a	collateral transfer	ORD	18	18
BlackRock Asset Management North Asia Limited	16-Jan-19	no	n/a	collateral transfer	ORD	9,753	9,753
BlackRock Advisors, LLC	17-Jan-19	yes	18.10	on mkt buy	ORD	650	650
BlackRock Asset Management Canada Limited	17-Jan-19	no	n/a	in specie	ORD	9,666	9,666
BlackRock Advisors (UK) Limited	17-Jan-19	yes	18.10	on mkt buy	ORD	15,485	15,485
BlackRock Advisors (UK) Limited	17-Jan-19	yes	18.10	on mkt buy	ORD	11,877	11,877
BlackRock Advisors (UK) Limited	17-Jan-19	yes	18.10	on mkt buy	ORD	1,095	1,095
BlackRock Fund Advisors	17-Jan-19	no	n/a	in specie	ORD	4,176	4,176
BlackRock Fund Advisors	17-Jan-19	no	n/a	in specie	ORD	5,528	5,528
BlackRock Advisors, LLC	17-Jan-19	no	n/a	collateral transfer	ORD	196	196
BlackRock Japan Co., Ltd.	17-Jan-19	no	n/a	collateral transfer	ORD	694,804	694,804
BlackRock Advisors (UK) Limited	17-Jan-19	no	n/a	collateral transfer	ORD	159,710	159,710
BlackRock Financial Management, Inc.	17-Jan-19	no	n/a	collateral transfer	ORD	21	21
BlackRock Investment Management (UK) Limited	17-Jan-19	no	n/a	collateral transfer	ORD	4,582	4,582
BlackRock Financial Management, Inc.	18-Jan-19	yes	18.34	on mkt buy	ORD	16,866	16,866
BlackRock Advisors, LLC	18-Jan-19	yes	18.34	on mkt buy	ORD	54,709	54,709
BlackRock Advisors (UK) Limited	18-Jan-19	yes	18.34	on mkt buy	ORD	6,453	6,453
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	18.34	on mkt buy	ORD	8,622	8,622
BlackRock Advisors, LLC	18-Jan-19	yes	18.34	on mkt buy	ORD	15,434	15,434
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	18.34	on mkt buy	ORD	5,668	5,668
BlackRock International Limited	18-Jan-19	yes	18.34	on mkt buy	ORD	13,069	13,069
BlackRock Financial Management, Inc.	18-Jan-19	yes	18.34	on mkt buy	ORD	44,079	44,079
BlackRock Investment Management, LLC	18-Jan-19	yes	18.34	on mkt buy	ORD	32,164	32,164
BlackRock Financial Management, Inc.	18-Jan-19	yes	18.34	on mkt buy	ORD	6,603	6,603
BlackRock Institutional Trust Company, National Association	18-Jan-19	yes	18.34	on mkt buy	ORD	3,923	3,923
BlackRock Advisors (UK) Limited	18-Jan-19	yes	18.33	on mkt buy	ORD	666	666
BlackRock Investment Management (Australia) Limited	18-Jan-19	yes	18.33	on mkt buy	ORD	34,265	34,265
BlackRock Investment Management, LLC	18-Jan-19	no	n/a	collateral transfer	ORD	18,822	18,822
BlackRock Advisors (UK) Limited	21-Jan-19	yes	18.47	on mkt buy	ORD	9,168	9,168
BlackRock Advisors, LLC	21-Jan-19	no	n/a	collateral transfer	ORD	453	453
BlackRock Financial Management, Inc.	21-Jan-19	no	n/a	collateral transfer	ORD	56	56
BlackRock Investment Management (UK) Limited	21-Jan-19	no	n/a	collateral transfer	ORD	9,018	9,018
BlackRock Asset Management North Asia Limited	21-Jan-19	no	n/a	collateral transfer	ORD	2,437	2,437
BlackRock Advisors (UK) Limited	22-Jan-19	yes	17.87	on mkt buy	ORD	524	524
BlackRock Advisors (UK) Limited	22-Jan-19	yes	17.87	on mkt buy	ORD	3,093	3,093
BlackRock Investment Management (Australia) Limited	22-Jan-19	yes	17.87	on mkt buy	ORD	28,665	28,665

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			Cash	Non-cash			
BlackRock Advisors, LLC	22-Jan-19	no	n/a	collateral transfer	ORD	332	332
BlackRock Japan Co., Ltd.	22-Jan-19	no	n/a	collateral transfer	ORD	2,178	2,178
BlackRock Advisors (UK) Limited	22-Jan-19	no	n/a	collateral transfer	ORD	2	2
BlackRock Financial Management, Inc.	22-Jan-19	no	n/a	collateral transfer	ORD	26	26
BlackRock Investment Management (UK) Limited	22-Jan-19	no	n/a	collateral transfer	ORD	9,601	9,601
BlackRock Asset Management North Asia Limited	22-Jan-19	no	n/a	collateral transfer	ORD	3,852	3,852
BlackRock Fund Advisors	23-Jan-19	yes	17.66	on mkt buy	ORD	11,257	11,257
BlackRock Advisors (UK) Limited	23-Jan-19	yes	17.69	on mkt buy	ORD	524	524
BlackRock Advisors, LLC	23-Jan-19	no	n/a	collateral transfer	ORD	127	127
BlackRock Advisors (UK) Limited	23-Jan-19	no	n/a	collateral transfer	ORD	1,552,709	1,552,709
BlackRock Investment Management, LLC	23-Jan-19	no	n/a	collateral transfer	ORD	3,335	3,335
BlackRock Advisors (UK) Limited	24-Jan-19	yes	17.93	on mkt buy	ORD	3,094	3,094
BlackRock Financial Management, Inc.	24-Jan-19	yes	17.60	on mkt buy	ORD	2,893	2,893
BlackRock Institutional Trust Company, National Association	24-Jan-19	no	n/a	in specie	ORD	9,772	9,772
BlackRock Advisors, LLC	24-Jan-19	no	n/a	collateral transfer	ORD	175	175
BlackRock Japan Co., Ltd.	24-Jan-19	no	n/a	collateral transfer	ORD	568	568
BlackRock Financial Management, Inc.	24-Jan-19	no	n/a	collateral transfer	ORD	2	2
BlackRock Asset Management North Asia Limited	24-Jan-19	no	n/a	collateral transfer	ORD	2,532	2,532
BlackRock Investment Management (Australia) Limited	25-Jan-19	yes	18.30	on mkt buy	ORD	9,060	9,060
BlackRock Advisors (UK) Limited	25-Jan-19	yes	18.30	on mkt buy	ORD	14,472	14,472
BlackRock Japan Co., Ltd.	25-Jan-19	no	n/a	collateral transfer	ORD	13	13
BlackRock Investment Management, LLC	25-Jan-19	no	n/a	collateral transfer	ORD	12,958	12,958
BlackRock Financial Management, Inc.	28-Jan-19	no	n/a	collateral transfer	ORD	12	12
BlackRock Investment Management, LLC	28-Jan-19	no	n/a	collateral transfer	ORD	316	316
BlackRock Investment Management (UK) Limited	28-Jan-19	no	n/a	collateral transfer	ORD	5,178	5,178
BlackRock Investment Management (Australia) Limited	29-Jan-19	yes	17.88	on mkt buy	ORD	24,160	24,160
BlackRock Institutional Trust Company, National Association	29-Jan-19	yes	17.88	on mkt buy	ORD	81,309	81,309
BlackRock Advisors, LLC	29-Jan-19	no	n/a	collateral transfer	ORD	3,388	3,388
BlackRock Advisors (UK) Limited	29-Jan-19	no	n/a	collateral transfer	ORD	333,999	333,999
BlackRock Asset Management North Asia Limited	29-Jan-19	no	n/a	collateral transfer	ORD	1,859	1,859
BlackRock Fund Advisors	30-Jan-19	no	n/a	in specie	ORD	21,612	21,612
BlackRock Investment Management, LLC	30-Jan-19	no	n/a	collateral transfer	ORD	71,834	71,834
BlackRock Advisors (UK) Limited	31-Jan-19	yes	18.75	on mkt buy	ORD	730	730
BlackRock Fund Advisors	31-Jan-19	no	n/a	in specie	ORD	21,612	21,612
BlackRock Institutional Trust Company, National Association	31-Jan-19	no	n/a	in specie	ORD	25,667	25,667
BlackRock Institutional Trust Company, National Association	31-Jan-19	no	n/a	in specie	ORD	20,299	20,299
BlackRock Japan Co., Ltd.	31-Jan-19	no	n/a	collateral transfer	ORD	22,265	22,265
BlackRock Financial Management, Inc.	31-Jan-19	no	n/a	collateral transfer	ORD	15	15
BlackRock Investment Management (UK) Limited	31-Jan-19	no	n/a	collateral transfer	ORD	1,264	1,264
BlackRock Asset Management North Asia Limited	31-Jan-19	no	n/a	collateral transfer	ORD	1,425	1,425
BlackRock Advisors, LLC	01-Feb-19	yes	18.81	on mkt buy	ORD	900	900
BlackRock Institutional Trust Company, National Association	01-Feb-19	yes	18.59	on mkt buy	ORD	5,996	5,996

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BlackRock Investment Management (UK) Limited	01-Feb-19	yes	18.59	on mkt buy	ORD	21,488	21,488
BlackRock Advisors, LLC	01-Feb-19	no	n/a	collateral transfer	ORD	1,425	1,425
BlackRock Japan Co., Ltd.	01-Feb-19	no	n/a	collateral transfer	ORD	469,366	469,366
BlackRock Advisors (UK) Limited	01-Feb-19	no	n/a	collateral transfer	ORD	376,794	376,794
BlackRock Investment Management, LLC	01-Feb-19	no	n/a	collateral transfer	ORD	22,129	22,129
BlackRock Investment Management, LLC	01-Feb-19	no	n/a	in specie	ADR 10:1	100	1,000