Quarterly Production Report

For period ended 31 December 2016

Comparative performance at a glance – Origin's total proportional interests			
Previous Quarter Comparison	**December 2016**	**September 2016**	**Change %**
Production (PJe)	80.1	74.2	8
Sales (PJe)	82.2	78.5	5
Revenue (A$m)[1]	544.3	429.7	27
Prior Corresponding Quarter Comparison	**December 2016**	**December 2015**	**Change %**
Production (PJe)	80.1	54.4	47
Sales (PJe)	82.2	50.3	63
Revenue (A$m)[1]	544.3	212.2	157
Year to Date Comparison	**Jul - Dec 2016**	**Jul - Dec 2015**	**Change %**
Production (PJe)	154.3	102.2	51
Sales (PJe)	160.7	100.8	59
Revenue (A$m)[1]	973.9	436.7	123

Note: Information presented in the table above and throughout this report relates only to hydrocarbon exploration and production activities undertaken by Origin Energy Limited ("Origin"), its subsidiaries and the incorporated joint ventures in which it has interests. The report does not cover other business activities of Origin such as electricity generation, or energy retailing.

Highlights

- First cargo from APLNG Train 2 was produced on 8 October 2016. During the quarter the plant was handed over to Operations
- 26 produced cargoes were loaded and shipped from the APLNG facility during the quarter. Subsequent to the end of the quarter, a further 10 cargoes were loaded and shipped
- Production increased by 8% compared with the September 2016 quarter, primarily due to a full quarter of production from Halladale/Speculant in the Otway Basin
- Revenue increased by 27% compared with the September 2016 quarter, primarily due to higher LNG volumes at higher prices and increased production from Halladale/Speculant

Production and Sales

December Quarter 2016 compared with September Quarter 2016

Production of 80.1 PJe in the December 2016 quarter was 5.9 PJe or 8% higher than the September 2016 quarter. This is primarily attributable to increased production at Otway (5.8 PJe) due to a full quarter of production from Halladale/Speculant and higher production from APLNG (1.9 PJe) reflecting increased LNG production with the commencement of Train 2 and lower domestic volumes sold to QGC, partially offset by a planned statutory shutdown at Bass Gas (0.8 PJe) and lower plant availability at Kupe (0.8 PJe).

Revenue increased 27% from the September 2016 quarter reflecting higher LNG volumes at higher prices as volumes previously sold to QGC were diverted to LNG production with the commencement of Train 2, and increased production from Halladale/Speculant.

[1] Revenue disclosed includes APLNG related amounts that have been capitalised as well as gains/(losses) on forward sales and hedging.

December Quarter 2016 compared with December Quarter 2015

Production of 80.1 PJe in the December 2016 quarter was 25.7 PJe or 47% higher than the December 2015 quarter reflecting increases from APLNG (20.2 PJe) with the commencement of LNG production, and from Otway (6.6 PJe) with the commencement of production from Halladale/Speculant.

Revenue increased 157% from the December 2015 quarter primarily reflecting the commencement of LNG production at APLNG and the commencement of production from Halladale/Speculant.

Six Months to 31 December 2016 compared with Six Months to 31 December 2015

Production of 154.3 PJe in the six months to 31 December 2016 was 52.1 PJe or 51% higher than the prior comparable period reflecting increases from APLNG (47.4 PJe) with the commencement of LNG production, and from Otway (6.1 PJe) with the commencement of production from Halladale/Speculant.

Revenue increased 123% from the prior comparable period primarily reflecting the commencement of LNG production at APLNG and the commencement of production from Halladale/Speculant.

1. PRODUCTION, SALES AND REVENUE

1.1 Production by product and area (including interest in APLNG)

Natural Gas and Ethane	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
Natural Gas	PJ						
APLNG domestic[2]		15.9	25.9	(39)	32.6	41.8	59.5
SA Cooper & SWQ		2.7	2.8	(4)	3.1	5.5	5.9
Otway Basin (offshore)		11.6	6.4	81	5.7	18.0	12.5
Bass Basin		1.3	1.9	(31)	2.2	3.2	3.9
Perth Basin		1.2	1.0	24	1.0	2.1	2.1
Taranaki Basin (onshore)		0.0	0.2	(74)	0.2	0.2	0.3
Taranaki Basin (Kupe)		2.7	3.4	(20)	2.2	6.1	5.5
Ethane	PJ						
SA Cooper & SWQ		0.4	0.4	(4)	0.4	0.9	0.9
Total Production		35.8	41.9	(14)	47.3	77.8	90.8
Total Sales Volume		39.8	45.5	(12)	44.6	85.3	88.7
Total Commodity Revenue[3]	**$M**	176.9	164.1	8	142.7	340.9	290.9
Average Gas Price – Total	**$/GJ**	4.35	3.61	21	3.20	3.96	3.28
Average Gas Price – APLNG[3]		3.18	2.13	50	2.45	2.55	2.23
Average Gas Price – ex APLNG		5.50	5.75	(4)	5.02	5.62	5.25

Liquefied Natural Gas (LNG)	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
LNG	Kt						
Total Production		656.7	461.1	42	17.3	1,117.8	17.3
Total Sales Volume		660.5	496.8	33	-	1,157.3	-
Total Commodity Revenue[3]	**$M**	297.7	186.5	60	-	484.1	-
Average LNG Price[3]	**$/t**	450.7	375	20	-	418.3	-
Average LNG Price[3]	**US$/t**	337.8	282	20	-	313.7	-
Average LNG Price[3]	**US$/mmbtu**	6.43	5.37	38	-	5.97	-

Crude Oil	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
Crude Oil	**kbbls**						
SA Cooper & SWQ		69.4	70.3	(1)	65.3	139.7	132.7
Taranaki Basin (onshore)		6.2	16.1	(61)	17.1	22.3	27.9
Total Production		75.6	86.4	(12)	82.5	162.0	160.6
Total Sales Volume		322.2	373.0	(14)	445.7	695.2	911.6
Total Commodity Revenue	**$M**	22.7	24.4	(7)	26.5	47.1	60.1
Average Crude Price	**$/bbl**	70	65	8	60	68	66

[2] Refers to production to meet domestic supply requirements and excludes production directed towards the LNG facility on Curtis Island.
[3] Includes capitalised revenue related to APLNG ramp gas and LNG sales volumes.

Condensate/Naphtha	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
Condensate/Naphtha	**kbbls**						
APLNG		-	0.3	(100)	0.2	0.3	0.2
SA Cooper & SWQ		45.3	45.0	1	51.1	90.3	98.9
Otway Basin (offshore)		130.3	81.2	60	74.5	211.5	158.5
Bass Basin		41.8	63.3	(34)	73.6	105.1	132.7
Perth Basin		0.7	0.6	22	0.8	1.2	1.6
Taranaki Basin (Kupe)		143.1	172.8	(17)	130.4	315.8	334.3
Total Production		361.1	363.1	(0)	330.6	724.2	726.1
Total Sales Volume		388.8	325.7	19	297.1	714.5	632.0
Total Commodity Revenue	**$M**	23.6	18.3	29	15.6	41.9	35.4
Average Condensate Price	**$/bbl**	61	56	8	52	59	56

LPG	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
LPG	**Kt**						
SA Cooper & SWQ		5.4	6.1	(11)	6.3	11.5	13.0
Otway Basin (offshore)		17.3	10.0	72	10.1	27.4	20.1
Bass Basin		3.3	5.9	(45)	6.6	9.2	11.6
Taranaki Basin (onshore)		0.1	0.3	(68)	0.3	0.3	0.4
Taranaki Basin (Kupe)		9.4	9.3	2	9.0	18.7	22.8
Total Production		35.5	31.5	13	32.4	67.0	67.9
Total Sales Volume		35.5	31.3	14	30.8	66.8	68.1
Total Commodity Revenue	**$M**	16.4	12.1	35	16.3	28.5	31.5
Average LPG Price	**$/t**	461	387	19	529	426	463

1.2 Production by basin (including interest in APLNG)

Production by Basin (All products, PJe)	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
Production by Basin	PJe						
APLNG[4]		56.0	54.1	4	35.8	110.1	62.7
SA Cooper & SWQ		4.0	4.2	(4)	4.5	8.2	8.8
Otway Basin (offshore)		13.2	7.4	79	6.6	20.5	14.4
Bass Basin		1.7	2.5	(33)	2.9	4.2	5.2
Perth Basin		1.2	1.0	23	1.0	2.1	2.1
Taranaki Basin (onshore)		0.1	0.3	(69)	0.3	0.3	0.5
Taranaki Basin (Kupe)		4.0	4.8	(17)	3.3	8.7	8.4
Total Production Volume		80.1	74.2	8	54.4	154.3	102.2
Total Sales Volume		82.2	78.5	5	50.3	160.7	100.8
Total Commodity Revenue	$M	537.3	405.4	33	200.9	942.6	417.8
Gain / (Loss) on forward sale[5] and oil puts[6]	$M	7.1	24.3	(71)	11.2	31.3	18.8
Total Revenue	$M	544.3	429.7	27	212.1	973.9	436.6
Average Commodity Price	$/GJe	6.63	5.47	21	4.22	6.06	4.33

1.3 Production, Sales Volumes and Revenue Summaries

1.3.1 Origin excluding interest in APLNG

Total All Products	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
Production Volume	PJe	24.1	20.1	20	18.6	44.2	39.5
Sales Volume	PJe	27.4	24.1	13	18.7	51.5	42.8
Sales Revenue	$M	181.7	161.9	12	123.6	343.6	288.2
Gain / (loss) – forward sale[5]	$M	7.1	9.7	(27)	11.2	16.8	18.8
Total Revenue	$M	188.7	171.6	10	134.8	360.3	306.9
Average Commodity Price	$/GJe	6.90	7.12	(3)	7.20	7.00	7.18

[4] Refers to domestic production as well as production directed towards the LNG facility on Curtis Island (including liquefaction gas).
[5] Refers to Origin's oil and condensate forward sale agreements. In FY2013 Origin entered into agreements to sell the majority of its future oil and condensate production over a 72 month period commencing 1 July 2015. The fixed price of US$62.40/bbl represents the forward oil price at the time of US$89/bbl, discounted to reflect the receipt of the proceeds upfront. Upon entry into the agreements, Origin received A$482 million.
[6] On 22 December 2015, Origin announced the purchase of oil puts providing Origin with the right to sell 15mmbbl of JCC at a strike price of A$55/bbl for 75% of the volume and US$40/bbl for 25% of the volume.

1.3.2 Origin's interest in APLNG

Total All Products	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
Production APLNG 100%	PJe	149.3	144.3	4	95.5	293.6	167.2
Origin's 37.5% interest							
Production (all products)	PJe	56.0	54.1	4	35.8	110.1	62.7
Sales (all products)	PJe	54.8	54.4	1	31.6	109.2	58.0
Revenue[7]	$M	355.6	243.6	46	77.4	599.1	129.8
Gain/(loss) on oil puts (Origin only)[8]		-	14.6	(100)	-	14.6	-
Total Revenue		355.6	258.2	38	77.4	613.7	129.8
Average Commodity Price	$/GJe	6.49	4.75	37	2.45	5.62	2.23

1.4 Internal and External Purchase and Sales Summary

1.4.1 Internal and External Sales (Origin excluding interest in APLNG)

Internal & External Sales Volumes	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
Sales Volume	PJe						
Internal		13.5	9.1	49	4.9	22.6	12.3
External		13.8	15.0	(8)	13.8	28.8	30.5
Total		27.4	24.1	13	18.7	51.5	42.8

1.4.2 External Purchases

Product Purchases included in above sales	Unit	This Quarter	Previous Quarter	% Change	Dec Quarter 2015	YTD 2016/17	YTD 2015/16
Origin (excluding interest in APLNG)	PJe	1.6	1.8	(8)	1.9	3.4	4.0
Origin's 37.5% interest in APLNG	PJe	1.4	1.2	19	1.6	2.5	1.7
Total	PJe	3.0	3.0	2	3.5	6.0	5.7

[7] Includes capitalised revenue related to APLNG ramp gas and LNG sales volumes.
[8] On 22 December 2015, Origin announced the purchase of oil puts providing Origin with the right to sell 15mmbbl of JCC at a strike price of A$55/bbl for 75% of the volume and US$40/bbl for 25% of the volume.

2. DEVELOPMENT AND EXPLORATION OPERATIONS

2.1 Origin's interests held through Australia Pacific LNG (APLNG)

2.1.1 Operations Update

APLNG production (100%) was 149.3 PJe during the quarter, an increase of 4% compared to the September 2016 quarter (144.3 PJe), due to the ramp up of LNG production.

During the period, production from operated fields increased to an average of 1,175 TJ/d from 1,136 TJ/d in the September 2016 Quarter (APLNG share), reflecting ongoing commissioning, de-watering and production ramp-up to meet LNG requirements. Higher average rates of production were achieved from Combabula / Reedy Creek (29.8 TJ/d increase) and Spring Gully (18.4 TJ/d increase), partially offset by a lower rate from Condabri (9.9 TJ/d decrease) due to lower plant availability at Condabri South.

Average production from non-operated assets increased to 448 TJ/d in the December 2016 quarter from 432 TJ/d in the September 2016 quarter (APLNG share). Production from QGC operated fields increased to 345 TJ/d from 326 TJ/d reflecting higher production from Kenya due to uplift in production from recently commissioned ATP620 and ATP648 wells and at Kenya East due to no shutdown (Ruby Jo scheduled shutdown occurred in July). Production from the GLNG operated Fairview field decreased to 103 TJ/d from 106 TJ/d due to upstream maintenance.

On 8 October, APLNG produced its first LNG cargo from Train 2, which has performed in line with expectations as fields continue to ramp up production in advance of the 90 day two train operational test which is expected to be completed in calendar year 2017.

During the quarter, a total of 26 produced LNG cargoes were loaded and shipped from the APLNG facility on Curtis Island, including to Sinopec and Kansai in accordance with their respective long term Sales and Purchase Agreements. APLNG has loaded and shipped a further 10 cargoes subsequent to the end of the quarter and a total of 82 cargoes to date.

APLNG participated in the drilling of 120 development wells during the quarter (119 operated, 1 non-operated).

There were no operated or non-operated exploration or appraisal wells drilled in the quarter. The six well Walloons Appraisal Project Phase 1 fracture stimulation campaign is now completed, and wells are coming online as planned with technology trials successfully implemented.

APLNG Operated Production Wells[9]

		Avg daily production (APLNG share)		Development Wells [10] Wells drilled	Wells commissioned
Bowen	Spring Gully	215.3 TJ/d	This Quarter	20	24
			YTD 2016/17	32	54
			Total to Date	390	360[11]
Surat	Talinga	127.8 TJ/d	This Quarter	23	-
			YTD 2016/17	47	-
			Total to Date	177[12]	132
	Orana	157.0 TJ/d	This Quarter	8	25
			YTD 2016/17	8	25
			Total to Date	177	162
	Condabri	316.1 TJ/d	This Quarter	34	42
			YTD 2016/17	51	63
			Total to Date	603	539
	Combabula / Reedy Creek	351.0 TJ/d	This Quarter	34	40
			YTD 2016/17	34	92
			Total to Date	519	501
	TOTAL	**1,167.2 TJ/d**[13]	**This Quarter**	**119**	**131**
			YTD 2016/17	**172**	**234**
			Total to Date	**1,866**	**1,694**

[9] Excludes 25 conventional wells in the Denison Trough and 23 CSG wells in the Peat Project Area not targeted for any Phase 1 development
[10] APLNG operated wells delivering gas to domestic customers and the CSG to LNG project
[11] Included in the Spring Gully wells commissioned total are 36 wells that are a combination of horizontal/vertical pairs and multi-laterals, represented as 63 wells. The deliverability for these wells is expected to be significantly more than the production expected from an average single vertical well in Spring Gully.
[12] Total to date has been amended to reflect 18 wells that were reported as Talinga wells in the March 2016 quarter that related to Orana.
[13] Excludes production from the Peat Project Area and Denison Trough which collectively accounted for average production of 8.1 TJ/d

2.1.2 APLNG Project Update

The APLNG Project is now 100% complete as at 31 December 2016 with minor project close out work remaining for the Downstream project.

First cargo from APLNG Train 2 was produced on 8 October 2016. During the quarter the plant was handed over to Operations.



Sinopec's new custom-built LNG tanker CESI Gladstone arrives at the Australia Pacific LNG facility on Curtis Island (courtesy of ConocoPhillips).

2.2 Origin's interests excluding APLNG

Cooper / Eromanga Basin (South Australia / Queensland)

Origin/Santos/Beach Joint Venture

Cooper Basin production of 4.0 PJe has decreased by 4% from the previous quarter.

A total of eight wells were drilled in the quarter. There were two SWQ exploration/appraisal wells drilled, Dunadoo East 1 was plugged and abandoned and Roti 1 South well is still undertaking drilling operations. There were six development wells drilled, five wells have been cased and suspended as future producers, with drilling of the remaining development well ongoing.

Origin/Senex/Planet Gas Joint Venture

The extended production test for Ethereal-1 exploration well in PEL637 was completed.

Otway Basin (Victoria / Tasmania)

Otway Basin production of 13.2 PJe (Origin share) has increased by 79% from the previous quarter due to a full quarter of Halladale/Speculant production and higher plant availability.

The Crowes Foot 3D offshore seismic survey was acquired and processing commenced during the quarter in exploration permit VICP/69.

The Enterprise 2 3D seismic acquisition commenced in January in the offshore exploration permit VIC/P42(V)

Bass Basin (Tasmania)

Bass Basin production of 1.7 PJe has decreased by 33% from the previous quarter due to a planned statutory maintenance shutdown.

During the planned maintenance shutdown, the compressor piping was successfully tied in, and production is now flowing via the bypass piping. The compression and condensate modules and are expected to come online late in the 2017 financial year.

Perth Basin (Western Australia)

Perth Basin production of 1.2 PJe has increased by 23% from the previous quarter due to a full quarter of Waitsia production and higher plant availability at Beharra Springs.

Beetaloo Basin (Northern Territory)

The extended production test (EPT) at Amungee NW-1H was completed during the quarter.

Taranaki Basin (New Zealand)

Kupe (offshore Taranaki)

Kupe production of 4.0 PJe (Origin share) has decreased by 17% from the previous quarter due to lower plant availability.

Rimu/Kauri/Manutahi (onshore Taranaki)

The Rimu and Kauri facilities production of 0.1 PJe has decreased by 69% from the previous quarter, following divestment on 31 October 2016.

3. ACQUISITIONS/DIVESTMENTS

DIVESTMENTS

Rimu/Kauri/Manutahi (onshore Taranaki)

The Sale and Purchase Agreement with Westside Corporation completed on 31 October 2016.

Initial Public Offering of conventional upstream business

Origin announced on 6 December 2016 its intention to divest by Initial Public Offering its conventional upstream business supplying Australian and New Zealand domestic markets.

4. DRILLING ACTIVITY

4.1 Exploration/Appraisal

The table below summarises the exploration and appraisal drilling in which Origin had an interest during the Quarter:

Exploration/Appraisal Wells	Basin / Area	Target	Origin Effective Interest %	Well Status
Dunadoo East 1	Cooper - SWQ	Gas	16.74%	P&A
Roti South 1	Cooper - SWQ	Gas	16.74%	Ongoing

* Denotes Origin operatorship

4.2 Development

The table below summarises development drilling in which Origin had an interest during the quarter. Origin participated in 118 CSG development wells across the Bowen and Surat Basins and 8 conventional gas development wells in the Cooper Basin during the quarter.

Basin / Area Development Wells	Origin Effective Interest %	Well Status
Cooper Basin – SA		
Target – Gas		
Cocinero 4	25.00%	C&S
Galex 4	16.74%	C&S
Galex 5	16.74%	C&S
Windigo 3	16.74%	C&S
Allunga 2	13.19%	C&S
Allunga 3	13.19%	Ongoing
Bowen		
Target – CSG		
Durham Ranch 203	35.44%*	Development
Durham Ranch 205	35.44%*	Development
Durham Ranch 206	35.44%*	Development
Durham Ranch 212	35.44%*	Development
Durham Ranch 217	35.44%*	Development
Durham Ranch 307	35.44%*	Development
Durham Ranch 310	35.44%*	Development
Durham Ranch 467	35.44%*	Development
Durham Ranch 800	35.44%*	Development
Durham Ranch 801	35.44%*	Development
Durham Ranch 806	35.44%*	Development
Durham Ranch 809	35.44%*	Development
Durham Ranch 810	35.44%*	Development
Durham Ranch 814	35.44%*	Development
Durham Ranch 822	35.44%*	Development
Durham Ranch 823	35.44%*	Development
Durham Ranch 827	35.44%*	Development
Durham Ranch 872	35.44%*	Development
Durham Ranch 873	35.44%*	Development
Fairview	7.69%	Development
Spring Gully 494	37.50%*	Development
Surat		
Target – CSG		
Clifford East 1	34.76%*	Development
Clifford East 11	34.76%*	Development
Clifford East 13	34.76%*	Development
Clifford East 14	34.76%*	Development
Clifford East 15	34.76%*	Development
Clifford East 16	34.76%*	Development
Clifford East 17	34.76%*	Development
Clifford East 18	34.76%*	Development
Clifford East 19	34.76%*	Development
Clifford East 2	34.76%*	Development
Clifford East 21	34.76%*	Development

Basin / Area Development Wells	Origin Effective Interest %	Well Status
Clifford East 23	34.76%*	Development
Clifford East 24	34.76%*	Development
Clifford East 25	34.76%*	Development
Clifford East 27	34.76%*	Development
Clifford East 3	34.76%*	Development
Clifford East 30	34.76%*	Development
Clifford East 33	34.76%*	Development
Clifford East 35	34.76%*	Development
Clifford East 36	34.76%*	Development
Clifford East 37	34.76%*	Development
Clifford East 38	34.76%*	Development
Clifford East 39	34.76%*	Development
Clifford East 4	34.76%*	Development
Clifford East 5	34.76%*	Development
Clifford East 6	34.76%*	Development
Clifford East 66	34.76%*	Development
Clifford East 7	34.76%*	Development
Clifford East 9	34.76%*	Development
Combabula North 3	34.76%*	Development
Combabula North 385	34.76%*	Development
Combabula North 4	34.76%*	Development
Combabula North 6	34.76%*	Development
Combabula North 9	34.76%*	Development
Condabri 358	37.50%*	Development
Condabri South 111	37.50%*	Development
Condabri South 122	37.50%*	Development
Condabri South 123	37.50%*	Development
Condabri South 133	37.50%*	Development
Condabri South 145	37.50%*	Development
Condabri South 146	37.50%*	Development
Condabri South 147	37.50%*	Development
Condabri South 148	37.50%*	Development
Condabri South 153	37.50%*	Development
Condabri South 154	37.50%*	Development
Condabri South 155	37.50%*	Development
Condabri South 156	37.50%*	Development
Condabri South 157	37.50%*	Development
Condabri South 158	37.50%*	Development
Condabri South 159	37.50%*	Development
Condabri South 161	37.50%*	Development
Condabri South 162	37.50%*	Development
Condabri South 163	37.50%*	Development
Condabri South 164	37.50%*	Development
Condabri South 165	37.50%*	Development

Basin / Area Development Wells	Origin Effective Interest %	Well Status
Condabri South 166	37.50%*	Development
Condabri South 168	37.50%*	Development
Condabri South 169	37.50%*	Development
Condabri South 171	37.50%*	Development
Condabri South 174	37.50%*	Development
Condabri South 177	37.50%*	Development
Condabri South 180	37.50%*	Development
Condabri South 182	37.50%*	Development
Condabri South 183	37.50%*	Development
Condabri South 188	37.50%*	Development
Condabri South 189	37.50%*	Development
Condabri South 278	37.50%*	Development
Condabri South 279	37.50%*	Development
Orana North 100	37.50%*	Development
Orana North 110	37.50%*	Development
Orana North 111	37.50%*	Development
Orana North 112	37.50%*	Development
Orana North 127	37.50%*	Development
Orana North 130	37.50%*	Development
Orana North 145	37.50%*	Development
Orana North 146	37.50%*	Development
Talinga 202	37.50%*	Development
Talinga 203	37.50%*	Development
Talinga 204	37.50%*	Development
Talinga 222	37.50%*	Development
Talinga 241	37.50%*	Development
Talinga 253	37.50%*	Development
Talinga 254	37.50%*	Development
Talinga 255	37.50%*	Development
Talinga 256	37.50%*	Development
Talinga 257	37.50%*	Development
Talinga 259	37.50%*	Development
Talinga 270	37.50%*	Development
Talinga 271	37.50%*	Development
Talinga 273	37.50%*	Development
Talinga 274	37.50%*	Development
Talinga 275	37.50%*	Development
Talinga 276	37.50%*	Development
Talinga 277	37.50%*	Development
Talinga 284	37.50%*	Development
Talinga 288	37.50%*	Development
Talinga 305	37.50%*	Development
Talinga 312	37.50%*	Development
Talinga 325	37.50%*	Development

Basin / Area Development Wells	Origin Effective Interest %	Well Status

Notes:

* Denotes Origin operatorship

5. EXPLORATION, EVALUATION AND CAPITAL EXPENDITURE

The table below includes total expenditure incurred on exploration and evaluation activities and capital expenditure on development and production activities. They include expenditure committed under farm-in agreements and capitalised interest and exclude expenditure on acquisitions. Expenditure in the current financial year is preliminary and is subject to audit review.

	This Quarter	Previous Quarter	Dec Qtr 2015	YTD 2016/17	YTD 2015/16
A$m					
Exploration/Evaluation	22	10	23	32	52
Development/PP&E	34	37	87	71	196
Total excluding APLNG	56	47	110	103	248
Origin's Contribution to APLNG	(18)	143	315	124	856

Origin received a net distribution from APLNG during the quarter of $18 million reflecting the receipt of MRCPS interest ($102 million), partially offset by shareholder funding contributions ($83 million). Shareholder funding requirements primarily reflected increased LNG revenue, the phasing of capital spend and no project finance principal and interest payments required in the quarter. A net shareholder contribution is expected in the second half of FY2017.

6. CONVERSION FACTORS AND ABBREVIATIONS

6.1 Conversion Factors

Crude oil	0.00583	PJ/kbbls
Condensate	0.00541	PJ/kbbls
LPG	0.0493	PJ/ktonnes
Ethane	0.0517	PJ/ktonnes
LNG	0.0554	PJ/ktonnes

6.2 Abbreviations

APLNG	Australia Pacific LNG – an incorporated Joint Venture between Origin, ConocoPhillips and Sinopec
barrels	an international measure of oil production. 1 barrel = 159 litres
Bopd	barrels of oil per day
bwpd	barrels of water per day
C&C	cased and completed
C&S	cased and suspended
CSG	coal seam gas
FID	final investment decision
GJ	gigajoule = 10^9 joules
joule	a measure of energy
kbbls	Kilo barrels = 1,000 barrels
kT	Kilo tonnes = 1,000 tonnes
LNG	liquefied natural gas
LPG	liquid petroleum gas
mmbbl	million barrels
mmboe	million barrels of oil equivalent
mmbtu	million British thermal units
mmscf	million standard cubic feet
mtpa	million tonnes per annum
P&A	plugged and abandoned
P&S	plugged and suspended
pa	per annum
PJ	petajoule = 10^{15} joules
PJe	petajoule equivalent, a measure used to express the volume of different petroleum products on the basis of the energy contained in the product
QGC	Queensland Gas Company
Spudding	to commence drilling a well
SWQ	South West Queensland
t	tonnes
TJ	terajoule = 10^{12} joules
TJ/d	terajoules per day
YTD	year to date