



Quarterly Production Report

For period ending 30 September 2015

Comparative performance at a glance – Origin’s total proportional interests			
Previous Quarter Comparison	September 2015	June 2015	Change %
Production (PJe)	47.8	42.3	13
Sales (PJe)	50.5	42.7	18
Revenue (A\$m) ¹	224.5	226.3	(1)
Prior Corresponding Quarter Comparison	September 2015	September 2014	Change %
Production (PJe)	47.8	34.9	37
Sales (PJe)	50.5	37.5	35
Revenue (A\$m) ¹	224.5	250.5	(10)

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

- Production is 13% higher than June Quarter 2015 reflecting increased production as APLNG ramps up ahead of first cargo from Train 1 and the commencement of production at Yolla 5 and Yolla 6 in the Bass Basin
- Revenue decreased 1% compared with June Quarter 2015 as increased production is offset by lower liquids prices² and lower average gas price realised by APLNG. Gas prices excluding APLNG’s gas sales to QGC continue to increase
- The Upstream component of the APLNG CSG to LNG project is 99% complete and the Downstream component is 94% complete with the commencement of LNG production expected within the next month and first cargo within a few weeks thereafter
- Flow testing of the Waitsia-1 appraisal well yielded positive results, with a total combined flow rate of greater than 50 mmscf/d

Production and Sales

September Quarter 2015 compared with June Quarter 2015

Production of 47.8 PJe in the September Quarter 2015 was 5.5 PJe or 13% higher than the June Quarter 2015. This is primarily attributable to Origin’s share of higher production from APLNG (5.1 PJe) across both operated and non-operated areas as fields ramp up as LNG trains come online and Bass Basin (0.4 PJe) due to commencement of production from the Yolla 5 and 6 wells.

Revenue decreased 1% from the June Quarter 2015 as higher gas production is offset by lower liquids prices², and lower average gas price realised by APLNG.

September Quarter 2015 compared with September Quarter 2014

Production of 47.8 PJe in the September Quarter 2015 was 12.9 PJe or 37% higher than the comparable Quarter in 2014. This is primarily attributable to higher production from APLNG (14.5 PJe) across both operated and non-operated areas as fields ramp up as LNG trains come online, partly offset by lower production at Otway (-1.8 PJe) due to natural field decline.

Revenue decreased 10% from the September Quarter 2014. APLNG revenue increased \$6.1 million or 13% reflecting higher production, partly offset by a lower average gas price. Revenue excluding APLNG decreased \$32.2 million or 16% primarily reflecting lower realised liquids prices².

¹ Revenue includes Total Commodity Revenue and Gain/(Loss) on forward sale and hedging. As a result revenue reported for prior periods differs from that disclosed in previous Quarterly Production Reports. Further details are included in table 1.2.

² Including gain/(loss) on hedging and forward sales agreements

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	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
Natural Gas	PJ						
APLNG (CSG and Denison Trough)		26.9	21.8	23	12.4	26.9	12.4
SA Cooper & SWQ		2.9	3.1	(6)	3.2	2.9	3.2
Otway Basin (offshore)		6.9	7.0	(1)	8.2	6.9	8.2
Bass Basin		1.7	1.4	21	1.6	1.7	1.6
Perth Basin		1.1	0.7	57	1.1	1.1	1.1
Taranaki Basin (onshore)		0.2	0.2	-	-	0.2	-
Taranaki Basin (Kupe)		3.4	3.3	3	3.1	3.4	3.1
Ethane	PJ						
SA Cooper & SWQ		0.4	0.4	-	0.4	0.4	0.4
Total Production		43.5	38.0	14	30.1	43.5	30.1
Total Sales Volume		44.2	36.0	23	31.2	44.2	31.2
Total Commodity Revenue	\$M	148.2	129.8	14	136.2	148.2	136.2
Average Gas Price	\$/GJ	3.36	3.61	(7)	4.38	3.36	4.38

Crude Oil	Unit	This Quarter	Previous Quarter	% Change	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
Crude Oil	kbbls						
SA Cooper & SWQ		67.3	67.0	0	82.3	67.3	82.3
Taranaki Basin (onshore)		10.8	12.4	(13)	-	10.8	-
Total Production		78.1	79.4	(2)	82.3	78.1	82.3
Total Sales Volume		465.9	461.3	1	442.9	465.9	442.9
Total Commodity Revenue	\$M	33.6	37.7	(11)	51.6	33.6	51.6
Average Crude Price	\$/bbl	72	82	(12)	116	72	116

Condensate/Naphtha	Unit	This Quarter	Previous Quarter	% Change	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
Condensate/Naphtha	kbbls						
APLNG (Denison Trough)		-	0.1	(100)	0.2	0.0	0.2
SA Cooper & SWQ		47.8	50.0	(4)	54.5	47.8	54.5
Otway Basin (offshore)		84.0	89.1	(6)	114.7	84.0	114.7
Bass Basin		59.1	50.0	18	57.6	59.1	57.6
Perth Basin		0.8	0.5	60	0.9	0.8	0.9
Taranaki Basin (Kupe)		203.8	203.9	(0)	212.3	203.8	212.3
Total Production		395.5	393.5	1	440.2	395.5	440.2
Total Sales Volume		335.0	400.5	(16)	333.5	335.0	333.5
Total Commodity Revenue	\$M	19.8	29.3	(32)	33.2	19.8	33.2
Average Condensate Price	\$/bbl	59	73	(19)	99	59	99

LPG	Unit	This Quarter	Previous Quarter	% Change	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
LPG	Kt						
SA Cooper & SWQ		6.7	5.8	16	6.9	6.7	6.9
Otway Basin (offshore)		10.0	11.8	(15)	14.4	10.0	14.4
Bass Basin		5.0	4.3	16	5.3	5.0	5.3
Taranaki Basin (onshore)		0.2	0.3	(33)	-	0.2	-
Taranaki Basin (Kupe)		13.8	13.7	1	13.8	13.8	13.8
Total Production		35.6	35.8	(1)	40.3	35.6	40.3
Total Sales Volume		37.3	38.9	(4)	38.3	37.3	38.3
Total Commodity Revenue	\$M	15.2	18.8	(19)	29.5	15.2	29.5
Average LPG Price	\$/t	408	484	(16)	769	408	769

1.2 Production by basin (including interest in APLNG)

Production by Basin (All products, PJe)	Unit	This Quarter	Previous Quarter	% Change	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
Production by Basin	PJe						
APLNG (CSG and Denison Trough)		26.9	21.8	23	12.4	26.9	12.4
SA Cooper & SWQ		4.3	4.5	(4)	4.8	4.3	4.8
Otway Basin (offshore)		7.8	8.1	(4)	9.6	7.8	9.6
Bass Basin		2.3	1.9	21	2.2	2.3	2.2
Perth Basin		1.1	0.7	57	1.1	1.1	1.1
Taranaki Basin (onshore)		0.3	0.3	-	-	0.3	-
Taranaki Basin (Kupe)		5.1	5.1	-	4.9	5.1	4.9
Total Production Volume		47.8	42.3	13	34.9	47.8	34.9
Total Sales Volume		50.5	42.7	18	37.5	50.5	37.5
Total Commodity Revenue	\$M	216.8	215.6	1	251.1	216.8	251.1
Gain / (Loss) on forward sale ³ and hedging	\$M	7.6	10.7	(29)	(0.6)	7.6	(0.6)
Total Revenue	\$M	224.5	226.3	(1)	250.5	224.5	250.5
Average Commodity Price	\$/GJe	4.44	5.30	(16)	6.68	4.44	6.68

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	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
Production Volume	PJe	20.9	20.5	2	22.5	20.9	22.5
Sales Volume	PJe	24.0	21.8	10	24.1	24.0	24.1
Sales Revenue	\$M	164.5	165.8	(1)	204.9	164.5	204.9
Gain / (loss) – forward sale ³ and hedging	\$M	7.6	10.7	(29)	(0.6)	7.6	(0.6)
Total Revenue	\$M	172.1	176.5	(2)	204.3	172.1	204.3
Average Commodity Price	\$/GJe	7.16	8.10	(12)	8.46	7.16	8.46

1.3.2 Origin's interest in APLNG

Total All Products	Unit	This Quarter	Previous Quarter	% Change	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
Production APLNG 100%	PJe	71.7	58.2	23	33.1	71.7	33.1
<u>Origin's 37.5% interest</u>							
Production (all products)	PJe	26.9	21.8	23	12.4	26.9	12.4
Sales (all products)	PJe	26.5	20.9	27	13.4	26.5	13.4
Sales Revenue ⁴		52.3	49.8	5	46.2	52.3	46.2

³ Refers to Origin's oil and condensate forward sale agreements. In the 2013 financial year Origin entered into agreements to sell approximately 60% of its future oil and condensate 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.

⁴ Includes capitalised revenue related to APLNG ramp gas volumes.

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	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
Sales Volume	PJe						
Internal		7.3	5.9	24	6.5	7.3	6.5
External		16.7	15.9	5	17.7	16.7	17.7
Total		24.0	21.8	10	24.1	24.0	24.1

1.4.2 External Purchases

Product Purchases included in above sales	Unit	This Quarter	Previous Quarter	% Change	Sept Quarter 2014	YTD 2015/16	YTD 2014/15
Origin (excluding interest in APLNG)	PJe	2.1	1.8	17	2.5	2.1	2.5
Origin's 37.5% interest in APLNG	PJe	0.1	0.1	-	1.0	0.1	1.0
Total	PJe	2.2	1.9	16	3.5	2.2	3.5

2. DEVELOPMENT AND EXPLORATION OPERATIONS

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

2.1.1 Upstream Operations

APLNG production (100%) was 71.7 PJe during the Quarter, an increase of 23% compared to the June 2015 Quarter (58.2 PJe) and revenue increased 5% reflecting higher production partly offset by a lower average gas price. The weighted average gas price decreased by \$0.40/GJ primarily as a result of increased volumes of gas sold to QGC from the ATP620/648 fields, partially offset by ramp gas volumes sold at a higher average price. The price of ramp gas realised during the quarter increased compared to the June quarter as a result of increased gas demand as Queensland LNG projects ramp up and commence production of LNG. The price of the increased volumes sold to QGC continues to reflect the linkage to low oil prices during the Quarter and the fixed component which allows QGC to recover a return on capital invested in its export project.

Fields are currently operating below their full production capacity as wells are being turned down to meet domestic demand without jeopardising the capacity build required for Downstream LNG Train 1. Average production from operated assets increased to 503 TJ/d in the September 2015 quarter from 405 TJ/d in the June 2015 quarter (APLNG share), reflecting higher rates of production from Combabula/Reedy Creek (63 TJ/d increase) and Condabri (36 TJ/d increase).

Average production from non-operated assets increased to 277 TJ/d in the September 2015 quarter from 235 TJ/d in the June 2015 quarter (APLNG share). Production from QGC operated fields increased to 259 TJ/d from 217 TJ/d reflecting higher production from Kenya East. Production from the GLNG operated Fairview field decreased to 17.4 TJ/d from 18.1 TJ/d.

APLNG participated in the drilling of 99 wells during the Quarter, including four appraisal wells and 95 development wells (58 operated and 37 non-operated production wells across QGC areas).

APLNG Operated Production Wells⁵

		Max avg well deliverability ⁸	Avg daily production (APLNG share)		Prior Development ⁶	LNG Development ⁷	
					Wells commissioned	Development wells drilled	Wells commissioned
Bowen	Spring Gully	0.9 TJ/d	117.8 TJ/d	This Quarter	-	4	2
				YTD 2015/16	-	4	2
				Total to Date	185	138	108
Surat	Talinga	2.3 TJ/d	58.5 TJ/d	This Quarter	-	-	29
				YTD 2015/16	-	-	29
				Total to Date	101	29	29
	Orana	2.1 TJ/d	66.9 TJ/d	This Quarter	-	-	3
				YTD 2015/16	-	-	3
				Total to Date	-	142	121
	Condabri	0.8 TJ/d	162.6 TJ/d	This Quarter	-	41	24
				YTD 2015/16	-	41	24
				Total to Date	-	499	443
Combabula / Reedy Creek	0.8 TJ/d	96.1 TJ/d	This Quarter	-	13	8	
			YTD 2015/16	-	13	8	
			Total to Date	-	368	349	
TOTAL			501.9 TJ/d⁹	This Quarter	-	58	66
				YTD 2015/16	-	58	66
				Total to Date	286	1,176	1,050

⁵ Excludes 25 conventional wells in the Denison Trough and 23 CSG wells in the Peat Project Area not targeted for any Phase 1 development

⁶ APLNG operated wells designated to deliver gas to its domestic operations

⁷ APLNG operated wells designated to deliver gas to both trains of the CSG to LNG project

⁸ Maximum average observable rate sustained over a week, throughout the year, from wells that have been online for more than six months

⁹ Excludes production from the Peat Project Area and Denison Trough which collectively accounted for average production of 0.9TJ/d

2.1.2 APLNG Project Update

The Upstream project was 99% complete at 30 September 2015.

As at 30 September 2015, 1,176 development wells had been drilled and 1,050 wells commissioned.

All gas processing trains are mechanically complete, and 14 of the 15 gas processing trains have been commissioned, with the final train at Combabula progressing to schedule.

The Spring Gully Pipeline Compression Facility has been commissioned, and all gas processing facilities are connected to permanent power from the grid.

The Downstream project was 94% complete at 30 September 2015, with the commencement of LNG production expected within the next month and first cargo within a few weeks thereafter.

Start-up of the fifth of seven gas turbine power generators has been achieved, completing the final generator required for Train 1. Propane and ethylene refrigerant loading is now sufficient to support start up and the hot oil heater is operational.

Key activities in the final path to first cargo from Train 1 have now been completed. Mechanical runs have been completed on all six compressor units and Train 1 is in final commissioning stages.



Curtis Island overview

2.2 Origin's interests excluding APLNG

Cooper / Eromanga Basin (South Australia / Queensland)

Origin/Santos/Beach Joint Venture

Cooper Basin production of 4.3 PJe has decreased by 4% from the previous Quarter.

A total of 15 wells were drilled in the Quarter, consisting of seven development wells and eight exploration/appraisal wells. Two wells are still undergoing drilling operations, with the remaining cased and suspended as future producers.

Origin/Senex/Planet Gas Joint Venture

In PEL 637, a prospectivity review was completed during the Quarter, and subsequently the Efficient-1 exploration well was spudded on 16 October 2015, the first of a two-well drilling program.

In PEL 638, processing of seismic survey data was completed during the Quarter with a prospectivity review of the area ongoing.

Otway Basin (Victoria / Tasmania)

Otway Basin production of 7.8 PJe (Origin share) has decreased by 4% from the previous Quarter mainly due to lower plant availability, partly offset by higher seasonal customer nominations.

During the Quarter, the Speculant-1 and Speculant 2-ST1 appraisal wells were completed and the Ensign 931 drilling rig was released.

Civil works have commenced at the Otway Gas Plant on the Halladale and Speculant pipeline and reception facilities to connect the wells to the Otway Gas Plant, with first gas expected early in the 2017 financial year.

Bass Basin (Tasmania)

Bass Basin production of 2.3 PJe has increased by 21% from the previous Quarter due to the commissioning of the Yolla 5 and Yolla 6 wells. The Jack Up Unit West Telesto has been successfully demobilised following the completion, testing and handover to production of the Yolla 6 and Yolla 5 wells. Production commenced in July and August 2015 respectively.

Perth Basin (Western Australia)

Perth Basin production of 1.1 PJe has increased by 57% from the previous Quarter due to higher plant availability following the planned shutdown in the June Quarter and higher customer nominations.

A two well appraisal drilling program of the Waitsia discovery was completed during the Quarter. The Waitsia-2 appraisal well reached total depth of 3,530m on 26 July 2015. All target formations were successfully intersected, with three sections of core cut in the primary target, the Kingia and High Cliff Sandstones. The well has been cased and suspended for future production.

Flow testing of the Waitsia-1 appraisal well yielded positive results, with a total combined flow rate of greater than 50 mmscf/d from the Kingia and High Cliff Sandstones zones. The well is presently being completed in preparation for an extended production test in 2016. Engineering and planning work for the first stage of development is currently being undertaken.

Beetaloo Basin (Northern Territory)

During the Quarter, the Kalala S-1 exploration well reached total depth of 2,619m. The Amungee NW-1 exploration well was spudded on 7 September 2015 and reached total depth of 2,611m on 16 October 2015.

Subsequent to the Quarter end, the drilling of the Amungee NW-1H side track exploration well commenced on 21 October 2015.

Taranaki Basin (New Zealand)

Kupe (offshore Taranaki)

Kupe production of 5.1 PJe (Origin share) was in-line with seasonal customer nominations.

Rimu/Kauri/Manutahi (onshore Taranaki)

The Rimu and Kauri facilities production of 0.3 PJe was in-line with the previous Quarter.

Song Hong Basin (Vietnam)

In Vietnam Block 121, Origin has notified the Joint Venture of its intention to withdraw from the block. Formal notification with the Vietnamese Government is underway. As previously disclosed, this will result in exploration expense of approximately \$53 million.

3. ACQUISITIONS/DIVESTMENTS

DIVESTMENTS

- **Surat Basin**

Origin has entered into Sale and Purchase Agreements with Armour Energy Limited to sell the oil and gas interests of Origin Energy Limited group companies at Roma in the Surat Basin, Queensland for \$13 million.

- **Rimu/Kauri/Manutahi (onshore Taranaki)**

Origin has entered into a Sale and Purchase Agreement with Mosman Oil and Gas Limited to sell the oil and gas interests of Origin Energy Resources NZ (Rimu) Limited in the Rimu, Kauri and Manutahi fields and the Rimu Production Station for NZ\$10 million.

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 Interest %	Effective	Well Status
Swan Lake 12	Cooper Basin	Gas	13.19%		C&S
Whanto 4	Cooper Basin	Gas	16.74%		C&S
Bolah 2	Cooper Basin	Gas	16.74%		C&S
Beanbush 2	Cooper Basin	Gas	10.54%		C&S
Hobbes 3	Cooper Basin	Oil	13.19%		C&S
Biala 16	Cooper Basin	Oil	13.19%		C&S
Calamia East 1	Cooper Basin	Oil	13.19%		C&S
Whanto South West 1	Cooper Basin	Gas	16.74%		Ongoing
Kalala S-1	Beetaloo Basin	Gas	35.00%*		C&S
Amungee NW-1	Beetaloo Basin	Gas	35.00%*		Ongoing
Condabri North 207	Surat	CSG	37.50%*		Appraisal
Condabri North 210	Surat	CSG	37.50%*		Appraisal
Condabri North 212	Surat	CSG	37.50%*		Appraisal
Condabri North 215	Surat	CSG	37.50%*		Appraisal

* Denotes Origin Operatorship

4.2 Development

The table below summarises the development drilling in which Origin had an interest during the Quarter. Origin participated in 95 CSG development wells (including groundwater monitoring wells) across the Bowen and Surat Basins and 7 conventional gas development wells in the Cooper Basin during the Quarter.

Basin / Area	Origin Effective Interest %	Well Status	Basin / Area	Origin Effective Interest %	Well Status
Cooper Basin – SW QLD			Condabri North 205	37.50%*	Development
Target - Gas			Condabri North 206	37.50%*	Development
Cocinero 3	25.00%	C&S	Condabri North 208	37.50%*	Development
			Condabri North 209	37.50%*	Development
Cooper Basin – SA			Condabri North 211	37.50%*	Development
Target - Gas			Condabri North 216	37.50%*	Development
Tirrawarra 85	13.19%	C&S	Condabri North 218	37.50%*	Development
Tirrawarra 86	13.19%	C&S	Condabri North 228	37.50%*	Development
Tirrawarra 87	13.19%	Ongoing	Condabri South 106	37.50%*	Development
Tirrawarra 88	13.19%	C&S	Condabri South 117	37.50%*	Development
Seccante 2	13.19%	C&S	Condabri South 118	37.50%*	Development
Jena 23	13.19%	C&S	Condabri South 49	37.50%*	Development
			Condabri South 50	37.50%*	Development
			Condabri South 51	37.50%*	Development
Bowen			Condabri South 55	37.50%*	Development
Target - CSG			Condabri South 56	37.50%*	Development
Durham Ranch 285	35.44%*	Development	Condabri South 57	37.50%*	Development
Durham Ranch 295	35.44%*	Development	Condabri South 61	37.50%*	Development
Durham Ranch 304	35.44%*	Development	Condabri South 62	37.50%*	Development
Durham Ranch 309	35.44%*	Development	Condabri South 63	37.50%*	Development
			Condabri South 64	37.50%*	Development
Surat			Condabri South 69	37.50%*	Development
Target - CSG			Condabri South 70	37.50%*	Development
Combabula 462	34.77%*	Development	Condabri South 71	37.50%*	Development
Combabula North 143	34.77%*	Development	Condabri South 72	37.50%*	Development
Combabula North 163	34.77%*	Development	Condabri South 73	37.50%*	Development
Combabula North 191	34.77%*	Development	Condabri South 74	37.50%*	Development
Combabula North 227	34.77%*	Development	Condabri South 80	37.50%*	Development
Combabula North 228	34.77%*	Development	Condabri South 81	37.50%*	Development
Combabula North 245	34.77%*	Development	Condabri South 82	37.50%*	Development
Combabula North 246	34.77%*	Development	Condabri South 83	37.50%*	Development
Combabula North 247	34.77%*	Development	Condabri South 84	37.50%*	Development
Combabula North 248	34.77%*	Development	Condabri South 85	37.50%*	Development
Combabula North 313	34.77%*	Development	Condabri South 95	37.50%*	Development
Combabula North 314	34.77%*	Development	Condabri South 96	37.50%*	Development
Combabula North 84	34.77%*	Development	Kate 118	15.23%	Development
Condabri 382	37.50%*	Development	Kenya 228	15.23%	Development
Condabri 383	37.50%*	Development	Matilda John 121	15.23%	Development
Condabri 384	37.50%*	Development	Matilda John 133	15.23%	Development
Condabri 386	37.50%*	Development	Matilda John 134	15.23%	Development
Condabri North 203	37.50%*	Development	Matilda John 138	15.23%	Development
Condabri North 204	37.50%*	Development	Matilda John 141	15.23%	Development

Basin / Area Development Wells	Origin Effective Interest %	Well Status
Matilda John 144	15.23%	Development
Matilda John 147	15.23%	Development
Matilda John 151	15.23%	Development
Matilda John 152	15.23%	Development
Matilda John 153	15.23%	Development
Matilda John 154	15.23%	Development
Matilda John 156	15.23%	Development
Matilda John 161	15.23%	Development
Matilda John 164	15.23%	Development
Matilda John 166	15.23%	Development
Matilda John 171	15.23%	Development
Matilda John 172	15.23%	Development
Matilda John 174	15.23%	Development
Matilda John 176	15.23%	Development
Matilda John 180	15.23%	Development
Matilda John 181	15.23%	Development
Matilda John 184	15.23%	Development
Matilda John 186	15.23%	Development
Matilda John 192	15.23%	Development
Matilda John 194	15.23%	Development
Matilda John 195	15.23%	Development
Matilda John 204	15.23%	Development
Matilda John 210	15.23%	Development

Basin / Area Development Wells	Origin Effective Interest %	Well Status
Matilda John 215	15.23%	Development
Matilda John 216	15.23%	Development
Matilda John 221	15.23%	Development
Matilda John 222	15.23%	Development
Matilda John 223	15.23%	Development
Matilda John 224	15.23%	Development
Matilda John 225	15.23%	Development

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. Note: Numbers may not add due to rounding.

	This Quarter	Previous Quarter	Sept Qtr 2014	YTD 2015/16	YTD 2014/15
A\$m					
Exploration/Evaluation	29	38	38	29	38
Development/PP&E	109	120	80	109	80
Total excluding APLNG	138	158	119	138	119
Origin's Contribution to APLNG	541	344	751	541	751

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

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
BTEX	benzene, toluene, ethylbenzene, xylene
bwpd	barrels of water per day
C&C	cased and completed
C&S	cased and suspended
CSG	coal seam gas
CTU	coiled tubing unit
DA	designated authority
DERM	Department of Environmental and Resource Management
DST	Drill Stem Test
EA	environmental authority
FEED	front end engineering & design
FID	final investment decision
GJ	gigajoule = 10^9 joules
GWM	Ground Water Monitoring
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
MDRT	measured depth from rotary table
mmscfd	million standard cubic feet per day
mtpa	million tonnes per annum
P&A	plugged and abandoned
P&S	plugged and suspended
PCA	potential commercial area
PSC	production sharing contract
PSDM	post stack depth migration (seismic processing)
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
Pigging	pipeline examination and maintenance
QGC	Queensland Gas Company
Spudding	to commence drilling a well
SWQ	South West Queensland
TD	total depth
TJ	terajoule = 10^{12} joules
TJ/d	terajoules per day
TVDSS	Total Vertical Depth Subsea
Water Inj	water injection well