



December 2009 Quarterly Production Report

Origin Energy Limited: Exploration and Production business report for the Quarter ended 31 December 2009

Summary Table

Comparative performance at a glance - Origin's total proportional interests			
Half Year Comparison	July-Dec 2009	July-Dec 2008	Change %
Production (PJe)	49.8	57.6	(14)
Revenue (A\$m)	286.1	314.4	(9)
Quarterly Comparison	Dec Quarter 2009	Sept Quarter 2009	Change %
Production (PJe)	24.0	25.7	(7)
Revenue (A\$m)	135.4	150.7	(10)
Corresponding Period Comparison	Dec Quarter 2009	Dec Quarter 2008	Change %
Production (PJe)	24.0	23.6	2
Revenue (A\$m)	135.4	116.3	16

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. It includes Origin's proportional interest in production and revenue from its 50% interest in the Australia Pacific LNG Pty Limited (Australia Pacific LNG or APLNG) incorporated joint venture. The report does not cover other business activities of Origin such as electricity generation or energy retailing.

Highlights

- Production and Sales Revenue for the December Quarter 2009 were 2% and 16% respectively higher than in the December Quarter 2008 primarily due to gas sales from storage, increased production from New Zealand and higher liquids prices.
- Production and Sales Revenues for the Half Year to December 2009 were 14% and 9% respectively lower than in the Half Year to December 2008 primarily due to the 50% dilution of Origin's interest in Australia Pacific LNG.
- Production from the areas now held through Australia Pacific LNG continued to grow and was 24% higher than the prior Half Year.
- The Kupe Gas Project in New Zealand commenced commissioning in December 2009. Commissioning has progressed swiftly with the facilities ramping up production of sales gas, LPG and light crude (condensate) and achieving a capacity test at 70 TJ/d.
- Origin reached an agreement with Woodside Energy to acquire an additional 36.48% interest in the Otway Gas Project for a consideration of \$507 million.
- In the Bass Basin Trefoil 2 successfully appraised the southern extension of the field and the Rockhopper 1 well discovered a new oil and gas field. However, the Somerset 1 well in the Otway Basin did not encounter significant hydrocarbons.
- Origin reached agreement with Salamander Energy plc to earn interests in five exploration blocks in South East Asia by funding US\$50 million of exploration and appraisal activities.

Significant events and influences during the Quarter included:

- **Kupe Gas Project:** The project commenced commissioning during December 2009 with sales gas, LPG and light crude (condensate) produced. Final commissioning and ramp-up of production will continue in the March Quarter 2010. When in full production the project is projected to annually produce 20 PJ of sales gas which has been contracted to Genesis, together with initial yields of 90 ktonnes of LPG and 1.7 million barrels of light crude.
 - **Australia Pacific LNG:** Origin's interest in existing CSG operations (with the exception of ATP 788P) is held through Australia Pacific LNG in which Origin has a 50% interest.
 - **Spring Gully Project:** The Spring Gully gas plants did not produce at full capacity due to lower gas demand. The tie-in of all wells drilled in Phase 5 will facilitate deliverability in excess of 150 TJ/d while completion of Phase 6 will further lift that deliverability to 180 TJ/d.
 - **Talinga Project:** The first stage of the gas plant has been commissioned and the project is currently producing at 16 TJ/d. The second stage of the gas plant is progressing rapidly. On completion of Stage 2 the capacity is expected to be 90 TJ/d.
 - In late December 2009, Australia Pacific LNG awarded a \$220 million drilling and workover rig contract to Savanna Energy Services Pty Ltd for the provision of two proprietary hybrid drilling rigs and two workover rigs for a five year term from September 2010.
 - **Otway Gas Development:** The gas plant achieved an average 96% performance reliability, however low seasonal demand resulted in production decreasing 28% to 4.1 PJe.
 - **BassGas Development:** A scheduled shut-down for well workovers and plant maintenance commenced in late November 2009 reducing production to 1.7 PJe, 55% of that for the previous Quarter.
 - **Drilling Activities:**
 - **Offshore Drilling Program:** Origin, as the Operator of T/18P in the Bass Basin, drilled 2 wells using the Kan Tan IV semi-submersible rig. Trefoil 2, a well appraising the Trefoil 1 discovery, intersected gas bearing sands at the targeted level. The Rockhopper 1 exploration well was also successful in intersecting sands containing oil and gas. The results of both wells are being evaluated to determine the commercial potential (Rockhopper 1 has since been sidetracked (see Post Report Date Events)). In the Otway Basin, the Somerset 1 well was drilled by the Operator, Woodside, in T/34P and did not intersect significant hydrocarbon bearing zones.
 - **Australia Pacific LNG:** During the Quarter, Australia Pacific LNG participated in 80 wells including 30 development wells (Talinga 11, Fairview 11 and Lauren 8) and 50 exploration/appraisal wells (including 27 in Australia Pacific LNG operated areas).
 - **Perth Basin:** The Redback South 1 well was cased hole tested and recorded flow rates up to 38.4 mmscfd. The commercial potential of the discovery is being evaluated.
- Cooper Basin:** Origin participated in 11 wells including 3 oil appraisal wells (2 of which were cased and suspended as future oil producers) and 8 development wells (6 with gas objectives and 2 with oil objectives). All development wells were cased and suspended as future producers.

- **Seismic Surveys:**
 - The Mbawa 3D marine survey was completed in the offshore L8 Block, Lamu Basin, Kenya.
 - The contract has been awarded for a 2D marine survey to be recorded in the offshore Block 121, Song Hong Basin, Vietnam, in early 2010.
- **Acquisitions/Divestments:**
 - Origin entered into a farmin agreement with Salamander Energy plc whereby Origin will earn interests in five exploration blocks in Vietnam (2), Thailand (2) and Laos (1) by funding the next US\$50 million of exploration/appraisal expenditure. Origin may fund up to an additional US\$40 million in the event of an exploration success in the initial program. The farmin program will be conducted through 2010 and into 2011 with drilling commencing early in the March Quarter 2010.
 - Origin entered into an agreement to acquire an additional 36.48% interest in the T/L2 (Thylacine), T/L3 (Thylacine South) and Vic/L23 (Geographe) production licences and the T/30P and Vic/P43 exploration permits and an additional 51.55% interest in exploration permit T/34P upon Woodside divesting its 51.55% interest in the Otway Gas Development, which comprises these tenements and associated infrastructure (pipelines and onshore gas plant). The purchase price of \$507.2 million will be adjusted for the net impact of capex costs and earnings between the effective date and completion. Completion is expected in the March Quarter 2010. Origin will assume operatorship of the assets from Woodside after a transition period, subject to certain regulatory and joint venture approvals. Origin will not report production and revenue associated with this increased interest until the transaction completes.

Post Report Date Events:

- Wireline operations were completed in the successful Rockhopper 1 exploration well in T/18P in the offshore Bass Basin and the well was plugged back to the 9 5/8" casing. A sidetrack well, Rockhopper 1/ST1, was then commenced. The sidetrack well is designed to intersect the hydrocarbon bearing reservoir sections approximately 1.3 km south and down-dip from their penetration in Rockhopper 1 and to assess the potential volume of oil and gas discovered. At 28 January the sidetrack well had reached the target level and core was being cut.
- Australia Pacific LNG has awarded two key contracts for upstream activities for its CSG to LNG project. The contract for design, engineering, procurement and early works activity during the planning stages in respect to the 450 km main pipeline was awarded to McConnell Dowell Constructors and the upstream facilities contract was awarded to the Baulderstone Bilfinger Berger Services Joint Venture.
- The first shipment of light crude from Kupe left Port Taranaki in late January 2010.
- On 29 January Australia Pacific LNG lodged its draft Environmental Impact Statement (EIS) for its coal seam gas to liquefied natural gas project with the Queensland Government. The EIS will be assessed for compliance with the Terms of Reference set by the Coordinator General, and will be released for public consultation once this assessment is complete.

1. PRODUCTION, SALES AND REVENUE

In late October 2008 Origin completed a transaction with ConocoPhillips (COP) whereby that company acquired a 50% interest in an incorporated CSG to LNG joint venture known as Australia Pacific LNG. The upstream interests included in this incorporated joint venture include all the CSG exploration and production tenements previously held by Origin, together with its interests in conventional oil and gas tenements in the Denison Trough. Origin is the operator of all the upstream activities undertaken by Australia Pacific LNG.

In the tables below Origin's historical production from its CSG and Denison Trough assets to the end of October 2008 is included in the lines *Coal Seam Gas* and *Denison Trough* respectively. From November 2008 Origin's 50% proportional interest in production from those assets is reported in the line *APLNG (CSG and Denison Trough)*. A separate table (Table 1.3.3) is also provided which shows the aggregated production, sales and revenue across all products for Origin's proportional interest in Australia Pacific LNG.

1.1 Production by Product and Area (including 50% interest in APLNG)

Natural Gas and Ethane	Unit	This Quarter	Previous Quarter	Dec		YTD 2009/10	YTD 2008/09
				% Change	Quarter 2008		
Natural Gas	PJ						
Coal Seam Gas		-	-	-	4.0	-	17.0
Denison Trough		-	-	-	0.4	-	1.6
APLNG (CSG and Denison Trough)		7.8	9.1	(14)	4.4	16.9	4.4
SA Cooper & SWQ		4.0	4.3	(7)	4.7	8.3	9.6
Otway Basin (offshore)		3.7	5.1	(28)	3.8	8.8	9.2
Bass Basin		1.2	2.3	(45)	1.2	3.5	3.6
Surat Basin		2.7	0.1	3330	0.4	2.8	1.2
Perth Basin		0.5	0.8	(33)	0.9	1.3	2.0
Taranaki Basin (onshore)		0.3	0.3	-	0.3	0.6	0.9
Taranaki Basin (offshore)		0.4	-	-	-	0.4	-
Otway Basin (onshore)		-	-	-	-	-	0.1
Ethane	PJ						
SA Cooper & SWQ		0.3	0.3	9	0.3	0.6	0.7
Total Production		20.9	22.3	(6)	20.4	43.2	50.3
Total Sales Volume		21.8	24.1	(10)	20.1	45.9	50.7
Total Sales Revenue	\$M	76.2	88.1	(14)	69.4	164.3	176.6
Average Gas Price	\$/GJ	3.49	3.65	(4)	3.45	3.58	3.48

Crude Oil	Unit	This Quarter	Previous Quarter	Dec		YTD 2009/10	YTD 2008/09
				% Change	Quarter 2008		
Crude Oil	kbbls						
SA Cooper & SWQ		96.8	93.8	3	116.5	190.6	222.1
Surat Basin		8.5	9.5	(10)	9.9	18.0	21.4
Perth Basin		52.4	53.5	(2)	82.9	105.9	177.0
Taranaki Basin (onshore)		37.9	26.0	46	13.2	63.9	39.1
Total Production		195.6	182.8	7	222.5	378.4	459.6
Total Sales Volume		352.2	342.3	3	330.7	694.5	682.8
Total Sales Revenue	\$M	32.59	30.4	7	22.2	62.9	65.1
Average Crude Price	\$/bbl	92.55	88.68	4	67.13	90.64	95.34

Condensate/Naphtha	Unit	This Quarter	Previous Quarter	Dec		YTD 2009/10	YTD 2008/09
				% Change	Quarter 2008		
Condensate/Naphtha	kbbls						
Denison Trough		-	-	-	0.2	-	1.0
APLNG (Denison Trough)		0.2	0.4	(60)	0.2	0.5	0.2
SA Cooper & SWQ		61.0	59.7	2	74.1	120.7	151.1
Otway Basin (offshore)		39.4	46.8	(16)	41.9	86.3	100.2
Bass Basin		49.6	92.0	(46)	48.8	141.7	151.5
Surat Basin		6.8	8.9	(23)	11.3	15.7	22.4
Perth Basin		0.6	1.0	(38)	1.4	1.6	3.5
Taranaki Basin (onshore)		-	-	-	0.1	-	4.6
Taranaki Basin (offshore)		46.8	-	-	-	46.8	-
Otway Basin (onshore)		-	-	-	0.1	-	0.9
Total Production		204.4	208.8	(2)	178.1	413.3	435.4
Total Sales Volume		185.2	242.0	(23)	198.8	427.3	427.6
Total Sales Revenue	\$M	13.1	16.1	(19)	9.4	29.3	34.7
Average Condensate Price	\$/bbl	70.82	66.70	6	47.28	68.49	81.16

LPG	Unit	This Quarter	Previous Quarter	Dec		YTD 2009/10	YTD 2008/09
				% Change	Quarter 2008		
LPG	Ktonnes						
SA Cooper & SWQ		8.0	8.6	(7)	8.4	16.7	18.2
Otway Basin (offshore)		4.9	5.8	(16)	4.9	10.8	11.4
Bass Basin		3.6	6.8	(47)	2.7	10.4	10.3
Surat Basin		1.5	1.7	(11)	2.1	3.2	4.1
Taranaki Basin (onshore)		0.4	0.5	(13)	0.4	0.9	1.0
Taranaki Basin (offshore)		0.5	-	-	-	0.5	-
Total Production		18.9	23.4	(21)	18.5	42.5	45.0
Total Sales Volume		18.3	23.5	(22)	21.2	41.8	45.3
Total Sales Revenue	\$M	13.6	16.0	(15)	15.2	29.6	37.9
Average LPG Price	\$/tonne	743.01	682.02	9	716.98	708.72	836.64

1.2 Production by Basin (including 50% of APLNG production)

Production by Basin (All products, PJe)	Unit	This Quarter	Previous Quarter	Dec		YTD 2009/10	YTD 2008/09
				% Change	Quarter 2008		
Production by Basin	PJe						
Coal Seam Gas		-	-	-	4.0	-	17.0
Denison Trough		-	-	-	0.4	-	1.6
APLNG (CSG and Denison Trough)		7.8	9.1	(14)	4.4	16.9	4.4
SA Cooper & SWQ		5.6	5.9	(4)	6.5	11.5	13.3
Otway Basin (offshore)		4.1	5.7	(28)	4.3	9.8	10.3
Bass Basin		1.7	3.1	(45)	1.6	4.8	5.0
Surat Basin		2.9	0.3	866	0.6	3.2	1.6
Perth Basin		0.8	1.1	(24)	1.4	2.0	3.1
Taranaki Basin (onshore)		0.5	0.5	(4)	0.4	1.0	1.2
Taranaki Basin (offshore)		0.6	-	-	-	0.6	-
Otway Basin (onshore)		-	-	-	-	-	0.1
Total		24.0	25.7	(7)	23.6	49.8	57.6

1.3 Production, Sales Volumes and Revenue Summaries

1.3.1 Origin including 50% interest in APLNG

Total All Products	Unit	This Quarter	Previous Quarter	Dec % Change	Quarter 2008	YTD 2009/10	YTD 2008/09
Production (all products)	PJe	24.0	25.7	(7)	23.6	49.8	57.6
Sales (all products)	PJe	25.7	28.6	(10)	24.1	54.3	59.3
Total Revenue	\$M	135.4	150.7	(10)	116.3	268.1	314.4

1.3.2 Origin excluding 50% interest in APLNG

Total All Products	Unit	This Quarter	Previous Quarter	Dec % Change	Quarter 2008	YTD 2009/10	YTD 2008/09
Production (all products)	PJe	16.2	16.6	(2)	19.2	32.8	53.2
Sales (all products)	PJe	17.2	18.5	(7)	19.7	35.7	54.9
Total Sales Revenue	\$M	109.3	116.4	(6)	103.1	225.6	301.2

1.3.3 Origin's 50% interest in APLNG

Total All Products	Unit	This Quarter	Previous Quarter	Dec % Change	Quarter 2008	YTD 2009/10	YTD 2008/09
Production (all products)	PJe	7.8	9.1	(14)	4.4	16.9	4.4
Sales (all products)	PJe	8.5	10.1	(16)	4.4	18.6	4.4
Total Sales Revenue	\$M	26.2	34.3	(16)	13.2	60.5	13.2

1.4 Internal and External Purchase and Sales Summary

1.4.1 Internal and External Sales (Origin excluding 50% interest in APLNG)

Internal & External Sales Volumes	Unit	This Quarter	Previous Quarter	Dec % Change	Quarter 2008	YTD 2009/10	YTD 2008/09
Total Sales Volume	PJe						
Internal		8.8	8.9	(1)	8.2	17.7	25.1
External		8.4	9.6	(12)	11.5	18.0	29.8
Total		17.2	18.5	(7)	19.7	35.7	54.9

1.4.2 External Purchases

Product Purchases included in above sales	Unit	This Quarter	Previous Quarter	Dec % Change	Quarter 2008	YTD 2009/10	YTD 2008/09
Origin (excluding 50% interest in APLNG)	PJe	1.7	1.2	37	1.1	2.9	1.6
Origin's 50% interest in APLNG	PJe	0.9	0.9	-	-	1.9	-
Total	PJe	2.6	2.1	(15)	1.1	4.8	1.6

Note: Current Quarter production figures for some non-operated areas may include preliminary production data for the last month of the Quarter. Where actual production volumes only became available after the report date for that Quarter, previous Quarter figures have been amended to reflect this. The Previous Quarter revenues and sales volumes have been restated to reflect late adjustments to the September 2009 Quarterly Production Report.

1.5 Production and Sales Summary

Six Months to 31 December 2009 compared with Six Months to 31 December 2008

On a proportional interest basis, Total Production from upstream ventures in which Origin has an economic interest decreased by 14%. This was primarily attributable to the dilution of Origin's share of CSG and Denison Trough production as a result of the Australia Pacific LNG transaction; a planned maintenance outage at the BassGas facilities; natural field decline; and some lower contractual off-takes during the period partially offset by the sale of gas in storage. Total production fell by 7.8 PJe from 57.6 PJe to 49.8 PJe.

Total production for the six months to 31 December 2009 in areas now held by Australia Pacific LNG was 33.9 PJe or 24% higher than in the same period in 2008. However dilution of Origin's interest in these areas as a result of the Australia Pacific LNG transaction means that the contribution to Origin's production fell by 26% from 23.0 PJ to 16.9 PJ. CSG production has been constrained from attaining deliverable capability due to a major customer lowering its demand under contract terms.

Production in the Surat Basin increased by 1.6 PJe primarily as a result of the sale of gas in storage. This was offset by lower production in the Cooper Basin (-1.8 PJe) primarily due to lower contractual gas demand; in the Perth Basin (-1.1 PJe) due to natural field decline; in the Otway Basin (-0.5 PJe) due to lower seasonal demand; and from BassGas (-0.2 PJe) due to a planned workover and maintenance shutdown. Late in the Half Year, the Kupe Project (+0.6 PJe) came online and the project is expected to ramp-up production significantly in the March Quarter 2010.

Sale Volumes and Revenue declined by 8% and 9% respectively which reflected increased third party purchases (+3.2 PJe) and improved natural gas pricing which offset higher average liquids prices received in the prior Half Year.

December Quarter 2009 compared with December Quarter 2008

Total Production was 2% higher in the December Quarter 2009 compared with the December Quarter 2008. Production from the New Zealand assets (Kupe and TAWN) combined with the sale of gas in storage (Surat) more than offset the natural decline of more mature assets (Cooper and Perth Basins) and the impact of the dilution of Origin's CSG interests (Australia Pacific LNG transaction).

Sales Volumes and Revenues were 7% and 16% higher respectively. Higher sales volumes reflected higher third party purchases (+ 1.5 PJe) while the Revenue result was due to improved average product prices received in the December Quarter 2009. In particular, the average prices received for oil and condensate increased by 38% and 50% respectively.

December Quarter 2009 compared with September Quarter 2009

Total Production, Sales Volumes and Revenue for the December Quarter 2009 were 7%, 10% and 10% lower respectively than the September Quarter 2009.

Production of natural gas was 6% lower due to lower seasonal demand (CSG, Cooper Basin and Otway Gas Development); the planned shutdown of the BassGas Development; and the natural decline in the Perth Basin. Production from the New Zealand assets (Kupe and TAWN) combined with the sale of gas in storage (Surat) somewhat offset the abovementioned factors. The reduction in Sales Volumes and Revenue reflected the lower production.

A consequence of lower natural gas production was lower production and sales of condensate and LPG. The impact of lower Sales Volumes on Revenue was less pronounced as a result of higher average prices for these commodities. Higher crude oil production was primarily due to the New Zealand assets with higher Sales Revenue reflecting higher average oil prices.

2. DEVELOPMENT

2.1 Coal Seam Gas (Interests held through Australia Pacific LNG)

All of Origin's producing interests in CSG are held through Australia Pacific LNG.

In late December 2009, Australia Pacific LNG awarded a \$220 million drilling and workover rig contract to Savanna Energy Services Pty Ltd for the provision of two proprietary hybrid drilling rigs and two workover rigs for a five year term from September 2010.

Total Australia Pacific LNG production (including the Denison Trough and non-operated facilities) capacity of in excess of 240 TJ/d was not fully utilised during the Quarter due to market constraints. During December 2009, total production averaged 169 TJ/d (approximately 70% of available capacity). It is expected the market constraints will be largely removed in the March Quarter 2010.

2.1.1 *Spring Gully*

The Spring Gully gas plants achieved gross peak gas sales of 126 TJ/d during the Quarter in a market constrained environment (reduced demand by a major customer and delay in the start of another supply contract) with 149 wells contributing to production.

As part of Phase 5 of the development, seven wells were brought online during the Quarter. A final six wells remain to be brought online to complete this phase of the project. Well productivity has exceeded expectations and total project deliverability is expected to exceed the targeted 150 TJ/d once these additional wells are online.

The Phase 6 development of the Spring Gully field has commenced. Civil works at the Talooka and Strathblane gas plants were progressed and three new compressors have been delivered to site. This phase, which also includes the drilling of a further 31 wells and a new export gas pipeline, is designed to increase the overall Spring Gully capacity to 180 TJ/d.

2.1.2 *Fairview*

The field has achieved gross peak sales of 127 TJ/d (Australia Pacific LNG share 30 TJ/d) as the Phase 2 infrastructure expansion project has progressed. The phase has included the installation of additional gas and water gathering lines, the construction of a gas plant and reverse osmosis plants and additional water disposal ponds and infrastructure.

Eleven development wells were drilled in the Fairview field as part of an ongoing program designed to underwrite future production and reserves growth.

2.1.3 *Peat*

No significant activity during the Quarter.

2.1.4 Talinga/Orana

Construction of the Talinga gas plant and water handling facilities are well advanced. The first stage of the gas plant has been commissioned. Construction of the second stage of the gas plant is progressing rapidly. On completion of Stage 2, which will include additional low and high pressure compressors, Talinga is expected to have a capacity of 90 TJ/day. The development also includes a reverse osmosis water treatment plant and supporting infrastructure capable of processing 20 megalitres of water per day.

During the Quarter, eleven development wells were drilled bringing the total drilled to 56. A further eight development wells were brought online (17 to date) and sales from Talinga have now increased to 16 TJ/d. Well deliverability has been above expectation. Market conditions are currently constraining the sales gas volumes.

2.1.5 Argyle/Kenya/Lauren/Bellevue

Eight development wells were drilled in the Lauren field during the Quarter as part of the ongoing development program for future production.

The Kenya sales gas plant continued to achieve gross peak sales of around 53 TJ/d (Australia Pacific LNG share 22 TJ/d).

2.2 Denison Trough (Conventional) (Interests held through Australia Pacific LNG)

The Rolleston 19 well came online in December 2009 producing 1 TJ/d. A booster compressor replacement at the Springton gas plant resulted in 1 TJ/d additional production. However many wells were shut-in during compressor tie-in to the transport line and as result production from the Rolleston field was lower overall.

2.3 Cooper/Eromanga Basin (South Australia/Queensland)

During this Quarter, Origin participated in the drilling of five gas development wells and two oil development wells in South Australia. All wells were cased and suspended as future producers.

One gas development well was also drilled in South West Queensland. It was cased and suspended as a future gas producer.

2.4 Offshore Otway Basin (Victoria/Tasmania)

Gross natural gas production from the Otway Gas Development was 11 PJ for the Quarter, of which Origin lifted 3.7 PJ. Origin's lifted share of production equates to 34% of production and exceeded its participating interest of 30.75%.

The inlet compression project is progressing well and remains on track for start up in first Quarter 2011. Factory acceptance testing of the turbine package has been completed and is ready for shipment. Site mobilisation is underway with construction activity due to commence early in 2010.

2.5 Bass Basin (Tasmania)

The planned shutdown for a workover program on the Yolla 3 and 4 wells and a maintenance program at the Lang Lang gas plant began on 22 November 2009. The shutdown will allow rectification of production constraints on the Yolla 3 and 4 wells and maintenance and inspection of both the platform and the Lang Lang gas plant. It is expected that the shutdown will be complete and the facility will be back on line in late March 2010.

The BassGas Development produced 2.9 PJ of sales gas during the Quarter (Origin's share 1.2 PJ) prior to the shutdown.

The BassGas joint venture has approved the Yolla Mid-Life Enhancement (MLE) project at a cost of \$345 million. The project will upgrade the offshore production facilities converting the platform to a manned facility with living quarters and safety related systems and equipment. On-platform pumping and compression equipment will also be installed to extend the production life of the Yolla gas field. Two additional development wells, Yolla 5 and 6, will be drilled. The on-platform construction and drilling activity will be facilitated by a semi-submersible tender assisted drilling unit. Fabrication of the accommodation and utility module has commenced. The additional wells and accommodation facilities are expected to be operational by the June Quarter 2011 and the pumping and compression facilities by mid 2012.

2.6 Taranaki Basin (New Zealand)

2.6.1 *Kupe*

The entire production system from reservoir to final product export commenced commissioning during December 2009. Raw gas production from the wells commenced and on specification sales gas, LPG and condensate were produced through the commissioning process. A capacity test successfully achieved 70 TJ/d. Final commissioning and ramp-up of production from the Kupe field will continue through the March Quarter 2010. Production volumes reported in Section 1 for the Taranaki Basin (offshore) represent production from Kupe during the commissioning activities in December 2009.

Once in full production the Kupe Gas Project is projected to produce 20 PJ of sales gas per annum and will initially provide up to 90 ktonnes of LPG and 1.7 million barrels of light crude (condensate) per annum. The relative volume of liquids is expected to decline over time due to the characteristics of the reservoir.

2.6.2 *Tariki/Ahuroa/Waihapa/Ngaere (TAWN) and Rimu/Kauri*

Work on the Ahuroa Gas Storage Project, which is being developed on behalf of Contact Energy, continued through this Quarter. Commissioning of a new injection compressor was completed early in the Quarter. Subsequently 2.5 PJ of sales gas were injected into the reservoir via the Ahuroa 2A well.

The drilling of three additional gas injection/production wells into the reservoir commenced early in the Quarter as part of Stage 2 of the development. The first of these wells (Ahuroa 3) was successfully drilled, completed and tested. Gas flow rates from Ahuroa 3 were recorded at up to 19 mmscfd on test. Ahuroa 3 will be connected to the process facilities during the March Quarter 2010 and injection will commence. Ahuroa 4, the next well in the drilling program, spudded on 30 December 2009.

A coiled tubing well clean-out programme was successfully completed on the Kauri E2 and Waihapa H1 wells. Kauri E2 is now suspended pending installation of artificial lift and oil production was restored from Waihapa H1.

2.7 Surat Basin (Queensland)

The majority of the gas produced from Origin's Surat Basin fields was re-injected to storage reservoirs after stripping of gas liquids. The full inventory of stored gas in the Newstead storage facility of 2.7 PJ was sold to Origin's Retail segment. This volume of gas has been recorded as production and sales, with proceeds of the sale recorded as revenues.

2.8 Onshore Perth Basin (Western Australia)

2.8.1 *Beharra Springs*

Gas production during the Quarter averaged 7.0 TJ/d gross (4.7 TJ/d net to Origin).

2.8.2 *Hovea/Eremia/Xyris*

Oil production for the Hovea and Eremia fields continued to decline. Including the impact of the new Hovea 13 development well production averaged 550 bopd gross (275 bopd net to Origin)

Gas production from the Xyris plant has declined to an average 2.4 TJ/d gross (1.2 TJ/d net to Origin).

2.8.3 *Jingemia*

Production during the Quarter from the Jingemia production facility has increased to an average 600 bopd (294 bopd net to Origin) with Jingemia 12 coming online.

3. EXPLORATION

3.1 Coal Seam Gas (Interests held through Australia Pacific LNG)

All of Origin's interests in CSG (with the exception of the ATP 788P) are held through Australia Pacific LNG.

3.1.1 *Surat Basin CSG*

Seventeen pilot wells, 1 production/DST well and 6 core wells were drilled in Australia Pacific LNG's operated Walloon permits during the Quarter.

An extensive pilot production testing program continued across the Australia Pacific LNG portfolio of CSG tenements.

The four well Condabri pilot (ATP 702P) continued production testing with increased gas rates during the Quarter. The two well Combabula pilot (ATP 606P) also continued production testing during the Quarter and an expanded pilot is scheduled to be implemented over the course of 2010.

All wells in the Pine Hills five well pilot and the Muggleton 5 single well pilot (all in ATP 606P) have been brought on production and have commenced dewatering.

All five wells in the Ramyard pilot (ATP 972P) were completed in the Quarter and related pond construction is 90% complete. Production testing is expected to commence in the March Quarter 2010.

All six Lucky Gully pilot wells (ATP 606P) have now been drilled and the Lucky Gully pond is under construction. Completion of the wells and the commencement of production testing is expected in the March Quarter 2010.

The single well pilot wells at Woleebee East 2 (PL 209) and Horse Creek 8 (ATP 972P) were completed and have had facilities constructed. The single well pilots at Condabri 9 (ATP 702P), Reedy Creek 2 (ATP 606P) and Horse Creek 4 (ATP 972P) were also completed during the Quarter. It is expected that these five single well pilots will commence production testing over the next two quarters.

The Dalwogan pilot wells (PL 216(A)) were drilled during this Quarter and will now be fracture stimulated, completed and put onto production testing during the next two quarters .

Drilling is also underway at the Gilbert Gully (ATP 663P), Zig Zag (ATP 663P) and Reedy Creek (ATP 606P) pilots.

In Australia Pacific LNG's non-operated Walloon ATP 648P permit area, one core hole and eight pilot wells were drilled during the Quarter. Two production/DST wells were also drilled in ATP 631P.

The Pathfinder 2D seismic was processed and interpretation commenced during the Quarter. The interpretation is expected to be completed in the March Quarter 2010 and the results will be used to assist with an improved geological understanding of the ATP 606P, ATP 972P and ATP 973P permit areas.

3.1.2 *Bowen Basin CSG*

There was no exploration activity in Australia Pacific LNG's operated permits in the Spring Gully field and associated areas during the Quarter.

Three appraisal/pilot wells and nine core holes were drilled in Australia Pacific LNG's non-operated Comet Ridge area (including the Fairview field) during the Quarter.

3.1.3 *Denison Trough CSG*

No exploration activity to report in this Quarter.

3.1.4 *Galilee Basin CSG*

A core hole program continued during the Quarter with one well being drilled in each of ATP666P, ATP 667P and ATP 668P.

3.2 CSG - Interests held directly by Origin (ATP 788P)

No significant activity to report.

3.3 Cooper/Eromanga Basin (South Australia/Queensland)

Origin participated in the drilling of two oil exploration/appraisal wells in South Australia and one oil appraisal well in South West Queensland during the Quarter. One well, Moomba 183, was plugged and abandoned, with the remaining two wells (Hobbes 2 and Kercummurra 2) cased and suspended as future oil producers.

3.4 Offshore Otway Basin (Victoria/Tasmania)

In exploration permit T/34P, the exploration well, Somerset 1, was drilled by the Operator using the Ocean Patriot semi-submersible drilling rig. The well drilled to a total depth of 2,912m and was plugged and abandoned after encountering minor gas shows.

Seismic interpretation of the reprocessed Investigator 3D seismic survey data in Vic/P43 was completed during this Quarter.

3.5 Bass Basin (Tasmania)

Two wells were drilled in the exploration permit T/18P using the Kan Tan IV semi-submersible drilling rig. The first well, the Trefoil 2 appraisal well was drilled to a total depth of 3,235m and intersected gas bearing sands in the targeted Eastern View Coal Measures at a location 2.6 km south of the discovery well, Trefoil 1. The data from the well (cores, wireline logs, reservoir pressures and samples) are being evaluated to establish the potential for development of the Trefoil field. The well was plugged and abandoned as planned.

The Rockhopper 1 exploration well was drilled to a total depth of 3,522m and discovered oil and gas in multiple hydrocarbon columns within the Lower Eastern View Coal Measures. At the end of the Quarter wireline logging operations were continuing. It remains too early to comment on the commercial significance of this new field discovery. The Joint Venture is encouraged by results to date, particularly by the recovery of crude oil from some sands.

Assessment of the prospectivity of the T/44P permit continued during the Quarter incorporating the results of the interpretation of the Silvereye 3D seismic survey.

3.6 Taranaki Basin (New Zealand)

A comprehensive seismic reprocessing project consisting of some 580 km of 2D and 90 sq km of 3D seismic data covering the TAWN area is underway. This new data will be used to better define the existing assets and to assess the prospectivity of near-field areas.

3.7 Surat Basin (Queensland)

A review of the greater Myall Creek area to identify remaining opportunities continued through the Quarter.

Interpretation of the Mardi 2D seismic survey commenced in the Mardi-Eluanbrook area of ATP 754P to delineate possible drilling opportunities.

3.8 Onshore Perth Basin (Western Australia)

The Redback South 1 gas exploration well (sidetracked from the cased and suspended Redback 1 well in L11) was drilled in the previous Quarter. A cased hole production test of Redback South 1 (4 day flow period and 7 day build-up) was completed during November 2009. The well recorded flow rates up to 38mmscfd. Data from the production test and static gradient survey are being used to estimate gas reserves for the Redback South structure to determine if the project is commercial.

3.9 Bonaparte Basin, Western Australia/Northern Territory

No significant activity to report.

3.10 Offshore Northland Basin (New Zealand)

Preparations for a drilling campaign in PEP 38619 continued. With delays in the commencement of Australian drilling campaign by the Kan Tan IV semi-submersible drilling rig, two wells are now scheduled to be drilled in the June Quarter 2010.

3.11 Offshore Canterbury Basin (New Zealand)

After review of the results of the initial processing and interpretation of the 1,150 sq km Waka 3D Marine Seismic Survey in PEP 38262, it was decided to apply full

prestack depth migration to the data. This is scheduled for completion early in the March Quarter 2010.

Interpretation of the 940 km Punt 2D Marine Seismic Survey in PEP 38264 was completed and the results are being used to update the prospect and lead inventory for the permit.

3.12 Offshore Lamu Basin (Kenya)

The Mbawa 3D survey commenced acquisition on 2 December 2009 and was successfully completed on 28 December 2009. The total primary coverage of 800 sq km was achieved with only 54 sq km of infill required at the end of the survey. Notwithstanding the complexity of the survey, the survey was acquired on budget. The data is now being transferred for processing in Perth.

3.13 Song Hong Basin (Vietnam)

Reprocessing of the existing 2D seismic grid has been completed in Ho Chi Minh City and the final products sent to Origin for interpretation.

A tender for 2D acquisition was completed and the contract awarded to Seabird for the acquisition of 1,960 km of 2D data which is planned to commence mid April 2010. A field trip was held with staff from the Vietnam Petroleum Institute during November to examine onshore outcrop relevant to the offshore prospectivity of the block.

4. DRILLING ACTIVITY

4.1 Exploration/Appraisal

The tables below summarises the exploration and appraisal drilling undertaken during the Quarter:

Well	Basin/Area	Target	Origin effective Interest %	Well Status
Trefoil 2	Bass Basin - Tas	Gas	42.50	P&A, Gas
Rockhopper 1	Bass Basin - Tas	Gas	42.50	P&A, Oil & Gas
Somerset 1	Otway Basin - Tas	Gas	30.75	P&A
Moomba 183	Cooper/Eromanga -SA	Oil	13.19	P&A
Kercummurra 2	Cooper/Eromanga -SWQ	Oil	10.00	C&S, Oil
Hobbles 2	Cooper/Eromanga -SA	Oil	13.19	C&S, Oil
Dalwogan 12	Surat Basin - Qld	CSG	50.00	Pilot
Dalwogan 13	Surat Basin - Qld	CSG	50.00	Pilot
Dalwogan 14	Surat Basin - Qld	CSG	50.00	Pilot
Dalwogan 16	Surat Basin - Qld	CSG	50.00	Pilot
Dalwogan 9	Surat Basin - Qld	CSG	50.00	Pilot
Gilbert Gully 11	Surat Basin - Qld	CSG	50.00	Core
Gilbert Gully 14	Surat Basin - Qld	CSG	50.00	Core
Gilbert Gully 17	Surat Basin - Qld	CSG	50.00	Core
Gilbert Gully 2	Surat Basin - Qld	CSG	50.00	Core
Gilbert Gully 4	Surat Basin - Qld	CSG	50.00	Pilot
Gilbert Gully 5J	Surat Basin - Qld	CSG	50.00	Pilot
Gilbert Gully 5T	Surat Basin - Qld	CSG	50.00	Pilot
Gilbert Gully 6	Surat Basin - Qld	CSG	50.00	Pilot
Lucky Gully 5	Surat Basin - Qld	CSG	46.36	Pilot
Lucky Gully 6	Surat Basin - Qld	CSG	46.36	Pilot
Lucky Gully 7	Surat Basin - Qld	CSG	46.36	Pilot
Lucky Gully 8J	Surat Basin - Qld	CSG	46.36	Pilot
Lucky Gully 8T	Surat Basin - Qld	CSG	46.36	Pilot
Pine Hills 7	Surat Basin - Qld	CSG	46.36	DST
Reedy Creek 5	Surat Basin - Qld	CSG	46.36	Pilot
Zig Zag 11T	Surat Basin - Qld	CSG	50.00	Pilot
Zig Zag 12	Surat Basin - Qld	CSG	50.00	Pilot
Zig Zag 5	Surat Basin - Qld	CSG	50.00	Core
Zig Zag 6	Surat Basin - Qld	CSG	50.00	Core
Barney 4	Surat Basin - Qld	CSG	15.625	Pilot
Broadwater 4	Surat Basin - Qld	CSG	15.625	Pilot
Jen 5	Surat Basin - Qld	CSG	15.625	Pilot
Jen 6	Surat Basin - Qld	CSG	15.625	Pilot
Jen 7	Surat Basin - Qld	CSG	15.625	Pilot
Jordan 3	Surat Basin - Qld	CSG	15.625	Core
RubyJo 5	Surat Basin - Qld	CSG	15.625	Pilot
RubyJo 6	Surat Basin - Qld	CSG	15.625	Pilot
RubyJo 8	Surat Basin - Qld	CSG	15.625	Pilot
Moongool 1	Surat Basin - Qld	CSG	9.048	Prod/DST
Wilbah 1	Surat Basin - Qld	CSG	9.048	Prod/DST
Basalt Creek 1	Bowen Basin - Qld	CSG	11.965	Core
Basalt Creek North 1	Bowen Basin - Qld	CSG	11.965	Core
Bungawarra 1	Bowen Basin - Qld	CSG	11.925	Core
Fairview 207 OB1	Bowen Basin - Qld	CSG	11.925	Core
Hillyvale 3	Bowen Basin - Qld	CSG	11.925	Core
Ironbark Gully 2	Bowen Basin - Qld	CSG	11.925	Prod
Kullanda 1	Bowen Basin - Qld	CSG	11.965	Prod
Lonesome South 1 RE	Bowen Basin - Qld	CSG	11.965	Core
Luka 1	Bowen Basin - Qld	CSG	11.965	Pilot

Well	Basin/Area	Target	Origin effective Interest %	Well Status
Spring Rock 1	Bowen Basin - Qld	CSG	11.925	Core
Talcalbah 1	Bowen Basin - Qld	CSG	11.925	Core
Tarcoola Station 1 RE	Bowen Basin - Qld	CSG	11.925	Core
Baboon 1	Galilee Basin - Qld	CSG	50.00	Core
Flinders River 1	Galilee Basin - Qld	CSG	50.00	Core
Twenty Mile Creek 1	Galilee Basin - Qld	CSG	50.00	Core

4.2 Development

The tables below summarises the development drilling undertaken during the Quarter:

Well	Basin/Area	Target	Origin effective Interest %	Well Status
Ahuroa 3	Onshore Taranaki - NZ	Gas	0.0*	C&S, Gas Inj.
Ahuroa 4	Onshore Taranaki - NZ	Gas	0.0*	C&S, Gas Inj.
Wareena 5	Cooper/Eromanga - SWQ	Gas	16.74	C&S, Gas
Daralingie 27	Cooper/Eromanga - SA	Gas	13.19	C&S, Gas
Dullingari 40	Cooper/Eromanga - SA	Gas	13.19	C&S, Gas
Dullingari 36	Cooper/Eromanga - SA	Gas	13.19	C&S, Gas
Burke 11	Cooper/Eromanga - SA	Gas	13.19	C&S, Gas
Narcoonowie 8	Cooper/Eromanga - SA	Oil	13.19	C&S, Oil
Narcoonowie 9	Cooper/Eromanga - SA	Oil	13.19	C&S, Oil
Mettika 6	Cooper/Eromanga - SA	Gas	13.19	C&S, Gas
Talinga 40	Surat Basin - Qld	CSG	50.00	C&S
Talinga 52	Surat Basin - Qld	CSG	50.00	C&S
Talinga 53	Surat Basin - Qld	CSG	50.00	C&S
Talinga 55	Surat Basin - Qld	CSG	50.00	C&S
Talinga 56	Surat Basin - Qld	CSG	50.00	C&S
Talinga 57	Surat Basin - Qld	CSG	50.00	C&S
Talinga 58	Surat Basin - Qld	CSG	50.00	C&S
Talinga 64	Surat Basin - Qld	CSG	50.00	C&S
Talinga 65	Surat Basin - Qld	CSG	50.00	C&S
Talinga 66	Surat Basin - Qld	CSG	50.00	C&S
Talinga 123	Surat Basin - Qld	CSG	50.00	C&S
Fairview 167	Bowen Basin	CSG	11.965	C&S
Fairview 177	Bowen Basin	CSG	11.965	C&S
Fairview 177 RE	Bowen Basin	CSG	11.965	C&S
Fairview 178	Bowen Basin	CSG	11.965	C&S
Fairview 272	Bowen Basin	CSG	11.965	C&S
Fairview 274	Bowen Basin	CSG	11.965	C&S
Fairview 277	Bowen Basin	CSG	11.965	C&S
Fairview 280	Bowen Basin	CSG	11.965	C&S
Fairview 286A	Bowen Basin	CSG	11.965	C&S
Fairview 288	Bowen Basin	CSG	11.965	C&S
Hillyvale 2	Bowen Basin	CSG	11.965	C&S
Lauren 20	Surat Basin - Qld	CSG	20.313	C&S
Lauren 24	Surat Basin - Qld	CSG	20.313	C&S
Lauren 30	Surat Basin - Qld	CSG	20.313	C&S
Lauren 31	Surat Basin - Qld	CSG	20.313	C&S
Lauren 39	Surat Basin - Qld	CSG	20.313	C&S
Lauren 53	Surat Basin - Qld	CSG	20.313	C&S
Lauren 54	Surat Basin - Qld	CSG	20.313	C&S
Lauren 55	Surat Basin - Qld	CSG	20.313	C&S

*Drilled by Origin on behalf of Contact Energy

5. ACQUISITIONS/DIVESTMENTS

During the Quarter:

- On 16 December 2009, Origin and Salamander Energy plc (Salamander) signed a farm-in agreement under which Origin will earn an interest in a portfolio of five exploration blocks operated by Salamander across northeast Thailand, Lao PDR and Vietnam in return for funding the next US\$50 million of joint venture exploration and appraisal expenditure across the five blocks. Origin may also fund up to an additional US\$40 million of joint appraisal expenditure if exploration success is achieved.

Salamander will also have the option to acquire an interest in one exploration block currently operated by Origin in south-east Asia.

An active drilling programme is planned to commence in the farm-in areas in January 2010 with wells planned in four of the five blocks. Drilling will begin with the Bang Nouan-1 exploration well in Lao PDR, followed in the June Quarter 2010 with two offshore exploration wells in Vietnam. Two onshore appraisal wells on the Dao Ruang gas discovery in Block L15/50, Northeast Thailand, will be drilled towards the end of calendar year 2010.

- Origin announced on 2 November 2009 that it had entered into an agreement to acquire Woodside Energy Ltd's 51.55% interest in the Otway Gas Development for \$712.5 million. This included production licences T/L2 (Thylacine), T/L3 (Thylacine South) and Vic/L23 (Geographe) and the exploration permits, T/30P, T/34P and Vic/P43. The agreement was subject to the pre-emption rights of the other joint venturers.

These pre-emptive rights were exercised by a joint venturer reducing the acquired interest taken in each tenement (with the exception of T/34P) to 36.48%. The purchase price for Origin's share (which remains subject to adjustment for costs and earnings between the effective date and completion date) was reduced accordingly to \$507.2 million. Origin will assume the operatorship of the assets from Woodside after a transition period, subject to certain regulatory and joint venture approvals.

- PL 264 (Emu Apple) was granted on 3 December 2009 with effect from 1 January 2010. Origin is on title with a 90% interest through its subsidiaries, Oil Investments Pty Ltd (22.50%) and Angari Pty Ltd (67.5%).
- Origin has entered into an agreement to sell its 49.189% interest in EP413, onshore Perth Basin, to Norwest Energy NL for \$87,500.

6. EXPLORATION AND DEVELOPMENT EXPENDITURE

E & D Expenditure Australian Operations¹

A\$'000	This Quarter	Previous Quarter	% Change	Dec Quarter 2008	YTD 2009/10	YTD 2008/09
Exploration/ Appraisal	54,621	7,417	(636)	10,382	62,038	26,629
Development/ Plant	52,840	25,463	(108)	92,449	78,303	224,101
Total	107,461	32,880	(227)	102,831	140,341	250,730

The above expenditure includes Origin's contribution to the exploration and development of its CSG interests up until completion of the Australia Pacific LNG transaction. Following completion of this transaction, ConocoPhillips is funding the capital expenditure within the Australia Pacific LNG joint venture up to a cumulative total of A\$2.3 billion leading up to a final investment decision in the proposed LNG development. Origin has therefore not contributed to this stage of the extensive ongoing CSG capital expenditure program since completion of the Australia Pacific LNG transaction.

E & D Expenditure New Zealand Operations

NZ\$'000	This Quarter	Previous Quarter	% Change	Dec Quarter 2008	YTD 2009/10	YTD 2008/09
Exploration/ Appraisal	609	-	-	2,754	609	18,117
Development/ Plant	27,322	43,627	37	26,433	70,949	74,833
Total	27,931	43,627	36	29,187	71,558	92,950

Note: E&D Expenditure excludes acquisitions.

¹ Includes \$7.7 million expenditure for the December Quarter 2009 relating to international new ventures

7. ORIGIN'S INTERESTS

7.1 Origin held interests in the following permits during the Quarter:

Basin/Project Area	Permits (Origin current interest) (* Denotes Operatorship)
Australia	
<i>Surat Basin (Qld)</i>	PL 14 (100%*); PLs 56 and 74 (69.0%*); PL 30 (75.0%*); PLs 21, 22, 27 and 64 (87.50%*); PLs 53, 174 and 227 (100%*); ATP 470P Redcap (90.0%*); ATP 470P Formosa Downs (42.7192%*); PL 71 (Production) (90.0%*); PL 71 (Exploration) (72.0%*); PL 70 (100%*) and PL 264 (90%*); ATP 471P Weribone Pooling Area (50.64%*); ATP 336P and PLs 10W, 11W, 12W, 28, 69 and 89 (46.25%); PL 11W Snake Creek East 1 Exclusion Zone (25.0%); ATP 647P (Block 2656 only) (50.0%*); ATP 754P (50.0%*); ATP788P Deeps (25.0%*); and ATP471P Bainbilla (24.748%) (subject to completion).
<i>CSG (Qld)</i>	ATP788P Shallows (100.0%*)
<i>Onshore Otway Basin</i>	
- SA	PRL 13 (50.0%) (subject to transfer to Adelaide Energy Ltd)
- Victoria	PPLs 6 and 9 and PRL 1 (90.0%*); PPLs 4, 5, 7, 10 and 12 (100.0%*); PPL 2 (Ex. Iona) (100.0%*); PPL 8 (100.0%*)
<i>Offshore Otway Basin</i>	
- Victoria	VIC/L23 and VIC/P43 (67.23%*) (subject to completion of Origin/Woodside dealing); VIC/RL2(V) (100.0%*)
- Tasmania	T/L2, T/L3 and T/30P (67.23%*) (subject to completion of Origin/Woodside dealing); T/34P (82.30%*) (subject to completion of Origin/Woodside dealing)
<i>Bass Basin (Tasmania)</i>	T/L1 and T/RL1 (42.50%*); T/18P (39.0%*); and T/44P (60.0%*)
<i>Onshore Perth Basin (WA)</i>	EP 320 and L11 (67.0%*); L14 (49.189%*); EP 413 (49.189%*) (sale to Norwest Energy NL pending); and L1/L2 (excluding Dongara, Mondarra and Yardarino) (50.0%)
<i>Offshore Bonaparte (WA/NT)</i>	NT/RL1 and WA6R (5.0%)
<i>Cooper Basin</i>	
- Qld	SWQ Unit Subleases (16.7375%); Aquitaine A & B Blocks and associated PLs (25.0%); Aquitaine C Block and associated PLs (27.0%); and Wareena Block and associated PLs (10.0%)
- SA	SA Unit PPLs (13.19%); Patchawarra East Block PPLs (10.536%); Reg Sprigg West Unit (PPLs 194 and 211) (7.902%)
New Zealand	
Taranaki Basin	PMP 38151, PMP 38155, PML 38138, PML 38139, PML 38140 and PML 38141 (100%*) and PML 38140 (below base of Tikorangi Formation) and PML 38141 (below base of Tikorangi Formation) (50.0%*); PML 38146 (50.0%*) and PEP 38485 (33.333%)
Northlands Basin	PEP 38619 (100.0%*)
Canterbury Basin	PEP 38262 and 38264 (100.0%*)
Kenya	
Lamu Basin	L8 and L9 (75.0%*)
Vietnam	
Song Hong Basin	Block 121 (100.0%*)
Vinh Chau Graben	Block 31 (25.0%) and Block DBSCL-01 (25.0%) (subject to farmin agreement with Salamander)
Thailand	
Khorat Plateau	L15/50 and L26/50 (40.0%) (subject to farmin agreement with Salamander)

Basin/Project Area	Permits (Origin current interest) (* Denotes Operatorship)
Laos	
Khorat Plateau	Savannahket PSC (30.0%) (subject to farmin agreement with Salamander)

7.2 Australia Pacific LNG held interests in the following permits during the Quarter:

Australia Pacific LNG (formerly known as Origin Energy CSG Limited) holds interests in the permits listed below. The interests denote Origin's effective interest in the permits - being 50% of the interest held by Australia Pacific LNG.

Basin/Project Area	Permits (Origin current effective interest) (* Denotes Operatorship)
Australia	
<i>Denison Trough (Qld)</i>	PLs 41, 42, 43, 44, 45, 54, 67, 173, 183 and 218 (25.0%*); ATP 337P (25.0%); ATP 337P Mahalo (15.0%); and ATP 553P (25.0%)
<i>Galilee Basin (Qld)</i>	ATPs 666P, 667P and 668P (50.0%*)
<i>CSG (Qld)</i>	
- <i>Spring Gully</i>	PLs 195 and 203 and ATP 592P (47.25%*); PL 204 (49.8625%*); and PL 200 (47.8552%*)
- <i>Fairview</i>	PLs 90, 91, 92, 99, 100, 232, 233, 234, 235 and 236 and ATP 526P (11.965%)
- <i>Peat</i>	PL 101 (50%*)
- <i>Argyle/Kenya/Lauren/Bellevue</i>	PLs 179, 180, 228, 229 and 263(A) and ATP 620P Shallows (20.3125%); ATP 610P Shallows and PL 247 (14.6875%); and ATP 648P Shallows, PL 257(A), PL 273(A), PL 274(A), PL 275(A) and PL 278(A) (15.625%)
- <i>Talinga/Orana</i>	PLs 209, 215, 226, 216(A), 225(A), 272(A) and 289(A) and ATP 692P (50%*)
- <i>Other(Bowen Basin)</i>	PLs 219 and 220 (50%*); ATP 653P and ATP 745P (11.925%); and ATP 804P (14.6491%)
- <i>Other (Surat Basin)</i>	ATP 606P and PL 297(A)(46.3581%*); ATP 631P (9.04825%); ATP 663P (50%*); ATP 702P, PLs 265(A), 266(A) and 267(A) (50.0%*); ATP 972P (46.3581%*) and ATP 973P (50.0%*) (ATP 847P has been split into ATPs 972P and 973P, subject to EA approval)

8. CONVERSION FACTORS AND ABBREVIATIONS

8.1 Conversion Factors

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

8.2 Abbreviations

APLNG	Australia Pacific LNG - a 50:50 incorporated Joint Venture between Origin Energy and ConocoPhillips
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
CTU	coiled tubing unit
DA	designated authority
EA	environmental authority
GJ	Gigajoule = 10^9 joules
joule	a measure of energy
Kbbls	Kilo barrels = 1,000 barrels
Ktonnes	Kilo tonnes = 1,000 tonnes
LNG	liquefied natural gas
LPG	liquid petroleum gas
mmscfd	million standard cubic feet per day
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
Spudding	to commence drilling a well
TD	total depth
TJ	terajoule = 10^{12} joules
TJ/d	terajoules per day
Water Inj	water injection well