



# drilling report

## Editor

Sarah Humphries

[sarah.humphries@pex.com.au](mailto:sarah.humphries@pex.com.au)

(t) 08 9272 6555

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## Onshore

InterOil	Antelope-2	Pa	Horizontal section TD 934m, preparing for DST-5	InterOil Rig-2
Kea	Beluga-1	Ta	TD 4100m, suspended for later re-entry	Ensign Rig-19
Santos	Coonatie-16	Co	TD 3141m, C&S	Ensign Rig-30
Santos	Inca-1	Co	TD 1885m, C&S	Ensign Rig-18
Buru	Leander-1	Ca	Due to spud July 4	Buru Fairay Rig
Central	Ooraminna-2	Am	1059m and DA	MB Century Rig-7
Origin	Redback-2	Pe	TD 3900m, preparing to run 4-1/2" liner	Weatherford Rig-826
Ahava	Trainor Echo-1	Ac	454m and DA	Hunt Rig-3

## Offshore

Chevron	Acme-1	Ex	Continuing	Atwood Eagle
*ConocoPhillips	Bayu Undan Field	Ts	Ongoing	Ensco-104
Hess	Chester-1	Ex	Continuing	Jack Bates
Shell	Concerto-2	Br	Continuing	Songa Venus
AWE	Kahu-1	Ta	1305m and DA	Kan Tan-4
*ExxonMobil	Kipper Dev	Gi	Ongoing	Ocean Patriot
Woodside	Larsen Deep-1	Cv	Running riser and BOP	Ocean America
Apache	Laurel-1	Ba	2924m, set liner and preparing to DA	Ocean Shield
Woodside	Tiberius-1	Ex	Continuing	Maersk Discoverer

\* Development drilling, progress unreported

### Basin Key

Arrowie = Ar, Barrow = Ba, Bass = Bs, Beetaloo Basin = BE, Bonaparte = Bo, Bowen = Bw, Browse = Br, Canning = Cn, Canterbury = Ca, Carnarvon = Cv, Clarence Morton = CM, Cooper = Co, Cooper/Eromanga = CE, Dampier Sub = Da, Darling = Dr, Eromanga = Er, Exmouth = Ex, Gippsland = Gi, Houtman Sub = HS, Juha = Ju, Moran = Mo, McArthur = Mc, Murray = Mu, Officer = Of, Otway = Ot, Papuan = Pa, Pedirka = Pd, Perth = Pe, Sorrell = Sr, Surat = Su, Surat-Bowen = SB, Tasmania = Tm, Taranaki = Ta, Timor Sea = TS, Vulcan = Vu, Waiiau = Wa

## Drilling

Offshore, Apache's Laurel-1 (TP-7) was preparing to DA in a 152mm hole at 2924m on June 30 having set the liner while Woodside's Larsen Deep-1 (WA-404-P) was running riser and BOP on June 24. Chevron's Acme-1 (WA-205-P), Hess' Chester-1 (WA-390-P), Shell's Concerto-2 (WA-371-P) and Woodside's Tiberius-1 (WA-434-P) all continue.

Offshore NZ, AWE's Kahu-1 (PEP-38158) is DA at 1350m after spudding on June 28.

Onshore, Origin's Redback-2 (L-11) reached TD 3966m on June 16 and the hole is being cleaned out in preparation for running 4-1/2" across the Wagina Reservoir. Central's Ooraminna-2 (EP-82) is DA at 1059m after running and cementing casing and testing BOP's at section TD 486m last week, while Ahava's Trainor Echo-1 (PEL-138) was drilling ahead at 454m on June 23. For Santos, Coonatie-16 (PPL-131) was cased and suspended a TD 3141m while Inca-1 (ATP-259-P) was cased and suspended at TD 1885m. Buru Energy's Leander-1 (L-8) is due to spud July 4.

Onshore NZ, Kea's Beluga-1 (PEP-51155) reached TD 4100m on June 17 and a decision has been made to suspend the well at the 7" casing shoe and re-enter the hole and drill a deviated hole in the direction of potentially more productive sands. Onshore PNG, InterOil's Antelope-2 (PPL-237) has reached a horizontal section TD of 934m and was last week preparing for DST 5 to isolate and test the last 150m of the horizontal.

In the CSG and corehole sector, Eastern Star Gas' Camurra-2 (PEL-6) is DA in the Moolayember Formation at 902m with coal intersections and Baradine Creek-1 (PEL-434) is DA in the Orallo Formation at 554m, having fully cored the Bungil Formation where coal was intersected. BG/QGC's Peebs-8 (ATP-574-P) reached TD 689m on June 29 and 7" production casing has been set through the target Walloon Coal Measures ahead of a planned production testing program while Comet Ridge's Gunn-1 (ATP-744-P) was P&A'd at TD 1031m after intersecting coal and shale. Blue's Ballyneety-1 (ATP-813-P) was plugged and suspended at TD 1008m while Monslatt-5 (ATP-814-P) ran 7" production casing at TD 806m before moving on to Monslatt-6, in the same permit, which was DA at 380m in the Moranbah Coal Measures on June 29. Also for Blue, Sapphire-2 (ATP-814-P) was completed at TD 1050m on June 17 and Sapphire-3 was DA at 454m in the Late Permian Aged Rangal Coal Measures on June 29, after spudding in the same permit on June 19. Strike spudded Forge-1 in Cooper Basin permit PEL-96 on June 28. For Santos, Pickanjinnee-25 (PL-5) spudded on June 26 and Cattle Creek-5 (ATP-653-P) spudded on June 27 while Spring Rock-2 (PL-92) is drilling ahead at 989m and Condabri-13 (ATP-702-P) and Cuan-1 (PEL-456) continue.

**Pex Publications Pty Ltd, Unit 5, 1 Almondbury Rd Mt Lawley WA 6050**

**Tel: (08) 9272 6555 Fax: (08) 9272 5556 Email: oilinfo@pex.com.au Internet: www.pex.com.au**

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## Seismic

Offshore, Fugro's Geo Natuna completed Woodside's 150km<sup>2</sup> Laverda 3D in WA-36-R and other surrounding Carnarvon Basin permits on June 28. Fugro's Geo Atlantic was 93% through OMV's 3955km<sup>2</sup> Schiele 3D in WA-362-P and WA-363-P on June 29 while Fugro's Geo Celtic is continuing Fugro Multi Client's 8000km<sup>2</sup> Eendracht 3D in multiple Carnarvon Basin permits until approx. mid July. PGS' Beaufort Explorer suspended Woodside's 5000km Koolama 2D in WA-415-P, WA-416-P and WA-417-P on June 27, due to whale migration movements.

In NZ, Reflect Seismic's Reflect Resolution is continuing Anadarko's 6000km 2D survey in PEP-38451.

Onshore, Terrex Crew 401 was 48% through Central's 1380km Multi Permit Amadeus 2D on June 30 while Crew 402 was 75% through Santos' 254.6km<sup>2</sup> Tintaburra 3D in ATP-299-P on June 29. Crew 403 is 99% through Geoscience Australia's deep crustal survey, which is due to finish tomorrow and Crew 405 is preparing to start BG/QGC's 2D survey in the Bowen Basin later this month.

## Testing

Baradine Creek-1: Preliminary indications show 3.5m of coal has been intersected in the Bungil Formation.

Camurra-2: Preliminary indications show 6.4m of coal has been intersected in the Moolayember Formation to date.

Gunn-1: Intersected 17m of coal and 10m of shale in the Permian Betts Creek Beds.