
BREAKAWAY MINING RESEARCH

DAILY REPORT

Thursday 14th September 2017*

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**prepared based on announcements made by ASX Listed Resource Companies on the preceding day*

OVERNIGHT COMMENTARY

Markets

U.S. stocks edged higher and the dollar gained for a third day as investors assessed the latest readings on inflation for clues on the Federal Reserve's next policy move, reports Bloomberg. The S&P 500 Index eked out a gain to end at a record after fluctuating for most of the day. The Dow Jones Industrial Average also closed at a fresh high. Energy shares paced gains as crude surged to a five-week high on a forecast for higher demand. Treasuries retreated.

The bull run in equities is provoking concern in some corners of the market, with the number of investors seeking protection from a possible plunge jumping. Leon Cooperman, the billionaire founder of hedge fund Omega Advisors, says a correction could start "very soon." The reduction of bond purchases by central banks in coming months will put pressure on riskier assets.

Commodities

Base metals were lower overnight while oil increased 2%.

After some recent uranium optimism with TEPCO's progress on the restart of two reactors at the Kashiwazaki-Kariwa plant in the Niigata Prefecture, Japan's Nuclear Regulation Authority has postponed the regulatory clearing, reports Macquarie. The Authority cites lack of debate on specific safety measures taken by the utility, Of Japan's 42 operable reactors, 5 have cleared inspections and resumed operations and another 19 reactors have applied to restart. The restart of Japanese reactors is rare positive news for the uranium market: at \$20.7/lb, spot prices are currently close to multi-year lows.

Commodity Prices	Price	Daily Change	Market Movements	Price/Level	Daily Change
Base Metal Prices (USc/lb)			Broad Market Indices		
Copper	3.01	-1.5%	DJIA	22,118.86	0.3%
Lead	1.03	1.5%	FTSE-100	7,400.69	-0.2%
Zinc	1.39	-0.8%	Nikkei 225	19,776.62	1.2%
Nickel	5.40	1.8%	HK Hang Seng	27,972.24	0.1%
Aluminium	0.95	0.6%	Shanghai Composite	3,379.49	0.1%
Tin	9.44	-0.4%			
Cobalt	27.51	-0.3%	S&P/ASX 200	5,746.40	0.6%
Precious Metal Prices (US\$/oz)			Mining and Energy Indices		
Gold	1327	-0.5%	S&P/ASX 200 Resources	3,656.20	0.7%
Silver	17.85	0.0%	S&P/ASX 300 Metals & Mining	3,273.90	1.1%
Platinum	987	-0.9%	S&P/ASX 200 Energy	9,204.10	-0.7%
Palladium	948	1.2%	S&P/ASX All-Ordinaries Gold	4,665.60	-2.2%
Energy			Global Mining		
Oil WTI (US\$/bbl)	48.33	0.4%	S&P/TSX Global Mining	68.51	1.1%
Thermal coal (US\$/t)	80.90	0.5%	FTSE 350 Mining	17,754.04	0.3%
Uranium (US\$/lb)	20.65	-0.5%	AIM Basic Resources	2,579.88	-1.0%
Steel making			Commodity Indices		
Iron ore (US\$/t)	72.30	-1.2%	CRB Index	183.65	-0.1%
Metallurgical coal (US\$/t)	209.40	-0.3%	LME Index	3158.30	-2.5%
Molybdenum (US\$/lb)	7.09	0.0%	S&P GSCI	2258.33	0.0%
Tungsten ATP (US\$/t)	310.00	0.0%	Baltic Dry	1344.00	-0.8%
Exchange Rates			<i>Sources include:</i>		
AUD/USD	0.803	0.1%	<i>Bloomberg, Reuters, TradingEconomics, S&P, yahoo finance</i>		
EUR/USD	1.196	0.0%	<i>Commsec, Xe.com, marketindex.com, Macquarie, Breakaway Research</i>		
USD/ZAR	13.01	0.4%			
USD/CNY	6.53	0.1%			

MARKET REVIEW

New Deals (Including In Progress, Completed Or Terminated) & New Tenure.

ASX Code	Company Name	Details
CE1	CALIMA ENERGY	Have increased the Company's Montney Oil & Gas Project Tenure BC Canada by 27%. CE1 now hold 63,800 acres and is targeting 70,000 acres by year end. The Company is proposing to drill and test 3 horizontal wells.
LIT	LITHIUM AUSTRALIA	Have signed an MOU with ASX-POS to jointly evaluate exploration and lithium processing opportunities at Lake Johnston and Ravensthorpe in WA. The studies to include an assessment of 1.5mtpa Lake Johnstone Ni Plant owned by POS for lithium production.
BYE	BYRON ENERGY	The Company's bid for Grand Isle Block 95 Lease in the Gulf of Mexico has been successful. The tenure is located within a gas producing trend from where nearly 1Tcf of gas has been produced.
PEL	PELICAN RESOURCES	Have entered into an agreement to sell the Cockatoo Island Iron Ore Project WA for \$3.75m involving \$2.25M in cash over 3 tranches, plus \$1.5M in shares in the purchaser Cockatoo Iron
BRK	BROOKSIDE ENERGY	Have leased a further 1280 acres of Working Interest tenure within the Anadarko Basin Oklahoma.
TYX	TYRANNA RESOURCES	Have acquired 2 new exploration tenures located in the Leonora Gold fields WA. The tenure is close to ASX-SAR Thunderbox Au Mine. 1000m of AC is planned from October

Production Or Emergent Production News (From Completed DFS/BFS Onwards)

ASX Code	Company Name	Details
HAS	HASTINGS TECHNOLOGY	Have signed a third offtake MOU agreement, with Qiandong Rare Earth Group for offtake from the Yangibana REO Project WA. The MOU's to date total 40% of the planned production from Yangibana for the first 3 years.
NCM	NEWCREST MINING	The remediation and upgrade works required ahead of recommencing to use Cadia East panel Cave 1 crusher chamber has been completed. Other works necessary ahead of a restart are expected to be completed by December. Cadia East is expected to be back at full production by end Q1 18.
CDU	CUDECO	August production from the Rocklands Cu Mine Qld was 1,104t Cu metal contained within 4,168dmt of 26% Cu concentrates. The production was down on recent months due to issues with parts of the plant.
MDI	MIDDLE ISLAND	Tribute detection of gold nuggets within part of the Sandstone Au Project has produced 148.6oz of Au over the past 2 months. (MDI share is 10%).
CAE	CANNINDAH RESOURCES	Have entered into an agreement with Minjar Gold, the owners of Pajingo Au Mine covering purchase of ore from the Piccadilly Au Project Qld. In July CAE reported that a 70 m long slot has returned channel samples 2m @ 16g/t Au. Numerous selected rock chip samples have returned grades up to 13g/t Au.
NMT	NEOMETALS	Have entered into a sub-licence agreement for the application of the Company's proprietary Neomet Process technology, subject to pilot testing, in a steel mill in Serbia to recover Zn Cu Fe Ag Pb.

AJQ	ARMOUR ENERGY	The Company reports that the restart work on the Kincora Gas Plant and associated facilities Surat Basin Qld, is progressing well with first gas expected to be produced by the end of September. The Company is also planning to drill new wells to target undeveloped reserves
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Evaluation Studies (DFS, PFS, Scoping, Pilot, Appraisal & Metallurgical Testing)

ASX Code	Company Name	Details
BAS	BASS OIL	Have completed a field optimization and development studies over the Tangai-Sukananti KSO. As a result BAS is of the view that substantial oil reserves remain undeveloped. The Company planned to drill to increase the reserves base and to accelerate future production.

Reserves and Resources Updates

ASX Code	Company Name	Details
EXU	EXPLAURUM	Have updated the Tampia Au Resource WA by 125% to 11.3Mt @ 1.91g/t Au for 695koz Au contained. 90% of the resource is now 'Indicated' and within 100m of surface, in 3 locations. The update is based on 287RC holes (36,339m) on a 40m x40m grid covering 1040m of strike and 550m of width. An updated Scoping Study is expected in October.
PGM	PALTINA RESOURCES	The Maiden Ore reserves at the Owendale Project NSW are 4Mt at 550ppm Sc, 0.09% Co and 0.13% Ni for 3359t Scandia; 3510t Cobalt and 5157t Nickel. PGM are of the view that Owendale is the highest grade Sc project and that there is potentially an LOM of 35 years. A commercialization strategy is in development with a possible pilot plant operation in 2018 is underway.
RRP	REALM RESOURCES	The resources at the Roper Creek Coal Project, adjoining the Company's Foxleigh Coal Mine Bowen Basin Qld have been estimated at 48Mt to 200m depth. These resources are additional to the Foxleigh Resources of 82Mt and Marketable Reserves of 39Mt.

New Drilling Intersections As Confirmed By Assays

ASX Code	Company Name	Details
SGC	SACGASCO	The Dempsey -1 well, (50% SGC 10% ASX-PCL; 10% ASX-XST; 30% LME – EME), which has been testing the largest undrilled structure in NE Sacramento Basin USA, has reached TD of 2970m and is being prepared for wireline logging. Several prospective gas shows were encountered.
HIG	HIGHLANDS PACIFIC	Assays from further drilling at Star Mountain JV Project (with Anglo American Funding and earning 51%) has returned 4 intersections noted by HIG including 26.8m @ 0.97% Cu 0.34g/t Au from 136mdh.

ABU	ABM RESOURCES	Final results from the 179-hole (8490m) reconnaissance AC drilling at the Suplejack Au Project NT, has returned 5 intervals noted by ABU including 3m @ 267ppm Au from 42mdh. The AC has identified anomalous areas for deeper RC drilling. Elsewhere AC drilling has outlined extensions to the Seuss, Hyperion South and Stoney Ridge Prospects.
TTW	TOP TUNG	DD Hole 277 at the Wild Kate Prospect (Tungsten and Topaz Project NSW) has been deepened from 19m to 38mdh, returning an intersection of 26m @ 0.51%W.
EXG	EXCELSIOR GOLD	First assays from a 33,000m RC program at Kalgoorlie North Au Project WA has returned 3 intersections noted by EXG from extension drilling at the Nerrin Nerrin Prospect which include 8m @ 4.46g/t Au from 25mdh. The contained resource at Nerrin Nerrin is 13.8koz Au. (Total Project Resource is 872koz Au contained). The aim of the current program is to try to convert resources to reserves. Drilling is expected to commence at Pleasure Bound in late September. Meanwhile the Company has completed the carting of ore from the Zoroastrian central Open Pit to the Lakewood Toll Treatment Facility.

Drilling Pending, Underway OR Completed with Assays Pending

ASX Code	Company Name	Details
VIC	VICTORY MINES	Drilling and sampling of the Company's Bolivian tin tails deposit is to start this month. A total of 137 holes will be drilled on patterns from 50m x 50m to 150m x 150m.
RRS	RANGE RESOURCES	The QUN 161 Development Well located within the Morne Diablo Oil Field in Trinidad has been successfully spudded. The estimated TD is 2200 ft.
MTH	MITHRIL RESOURCES	An 850m RC drilling program has commenced at the Historic Kombi Prospect, 70kms SE of Meekatharra WA. Kombi comprises shallow workings from where rock chips to 271g/t Au and soils anomalies have been noted.
EHX	EHR RESOURCES	Has received a permit enabling drilling to commence at the La Victoria Au Ag Project in Peru. EHR is earning a 25% interest through a 2 stage earn in
BMT	BERKUT MINERALS	A maiden drill program is expected to commence in early October at the Skuterud Co Project Norway. The target regions lie 500m along trend from the major historic Skuterud Co Mine.
AQI	ALICANTO MINERALS	Six drill targets have been identified at the Ianna Au Project Guyana. Targets include down dip of a channel sampling of 6m @ 6.9g/t Au and 22m @ 1.66g/t Au. Drilling to test all targets is expected to commence in early October.

Drill Targeting & Exploration News (Geological, Geochemical & Geophysical)

ASX Code	Company Name	Details
PM1	PURE MINERALS	Soil sampling program has been completed at Morrissey Hill Li Ta Project and surface sampling has been completed at the Mount Boggola Cu Prospect. PM1 expect that its Battery Hub Manganese Tenement will be granted soon. Historic data is being reviewed.
AXE	ARCHER EXPLORATION	Have located 2 new Cu targets within the Company's North Broken Hill Cu Co Project NSW, from a program of reconnaissance rock chip sampling. 650 samples were collected and 4 Cobalt targets were also located. Only 50% of the tenure has been sampled and the Company will now sample the remainder.

G88	GOLDEN MILE RESOURCES	Reconnaissance over the southern half of the Monarch Au Trend (Leonora East Au Project WA) has uncovered 70 gold nuggets totaling around one ounce. Drilling is scheduled for October. The Monarch Trend has been traced over >10kms strike.
ICG	INCA MINERALS	Rock chips from the Colina Roja and Alteration Ridge Prospects (Riqueza Au Ag Project) have returned assays up to 6.5g/t Au and 194g/t Ag in a 2m wide gossanous vein.

Capital Raisings & Financing > \$1M

ASX Code	Company Name	Details
GMR	GOLDEN RIM RESOURCES	Have raised \$1.27M by way of a Rights Issue. The funds are to be used for drilling at the Kouri Au Project Burkina Faso.
KGL	KGL RESOURCES	KGL is undertaking a \$12.4M capital raising at 30 cents per share, by way of a placement to raise \$6.9M, followed by a non-renounceable rights issue. Major shareholders including the Chairman plan to participate. The funds will be used to advance the Jervois Cu Project NT.

Corporate News (with a potential effect on projects)

ASX Code	Company Name	Details
ARV	ARTEMIS RESOURCES	Have repaid a \$US2M Convertible Note put in place in April that was used to acquire the Radio Hill Plant an associated tenure, through the issue of 5,987,503 shares in ARV.
TGZ	TERANGA GOLD	Will be removed from the Official List of the ASX at close of trading 14th September. The Company will continue to trade on its home exchange the TSX.

Investor Presentations (Does Not Include AGM Presentations)

ASX Code	Company Name	Details
BRU	BURU ENERGY	BRU are focused on Oil & Gas exploration over 22100 sq km of the Onshore Canning Basin WA. Assets include the Ungani Oilfield from which production has recently commenced from 2 wells. The initial target production is 1250bopd, which the Company plans to grow to 3000bopd by the end of H1 18. The crude is trucked to a tank farm at the Port of Wyndham ahead of export. First shipment sailed on 2nd September. Realized price for first shipment was \$US46.90/bbl. Estimated cost of production is \$25-30/bbl. 2C oil resources are 6.65MMbbls. The field is hosted within a dolomite prospective trend, with over 100km of strike within the Company's tenure, with a number of conventional oil targets and tight wet gas. BRU have identified the Western Gas Providence east of Broome which includes the Yulleroo Gas Field that been partly appraised, and the Central Gas Province east from Ungani. Further upside occurs to the south of Ungani on the Broome Platform where unconventional potential occurs within the Goldwyer Formation.
BAS	BASS OIL	BAS holds 55% interest in the Tangai – Sukananti Oil & Gas Field, Onshore South Sumatra Basin Indonesia. The field is currently producing 600bpd at a cost of approx. \$US35/bbl.

		The Total Petroleum Reserves are 3.1MMbbls and the 2C Resource is 2.3PJ Gas and 0.4MMboe Oil. 45% of the Reserves are undeveloped and BAS are of the view around 350bopd of production could be added from 2 wells, to be drilled in Q3 17. Multiple other opportunities identified within undrilled structures identified. BAS is also reviewing other Indonesian Oil & Gas Opportunities.
TON	TRITON MINERALS	TON hold the Ancuabe Graphite Project Mozambique. The resources is 27.9 Mt @ 6.0% TGC for 1.67Mt TGC contained. Reserve drilling is underway for inclusion in the DFS. Flotation metallurgical testing has returned concentrates of 97.5% TGC across all flake sizes. A Scoping Study has been completed and suggests a project producing up to 60ktpa graphite concentrate over a LOM 17 years. The pre-production capex is estimated to be \$US83M. The opex is estimated at \$US 601/t over the LOM and the basket price \$US1369/t. A DFS has been commenced and is due for completion in December. A non-binding EPC, financing and offtake framework agreement has been signed with a Sinoma (Chinese). TON initial focus is the Expandable Graphite Market. TON also holds the Nicanda Hill Graphite Project in Mozambique with a resource of 1.43Bt @ 11.1%TGC next door to ASX-SYR's Balama Graphite Operations, and over which a feasibility study is partially completed. TON also hold the Nicanda West Graphite Project with a resource of 30Mt @ 6.6% TGC.
OEX	OILEX	OEX hold a 45% interest and is the operator in the 40,000 acre Cambay PSC Project a tight gas play located in the Cambay Basin Gujarat State India, in an area that has been producing since 1961. Over 40 wells drilled. Gas occurs in multiple horizons. 2C Resource 926MMboe. 2017 program involves optimizing of drilling and stimulation of tight siltstone host. The Mean Prospective resource potential is estimated at 4409Bcf gas. OEX has been operating in India for 10 years and have drilled 9 wells. The project is close to pipeline infrastructure. OEX report that Indian energy consumption is growing faster than all major economies. GSPC holds 55% of the projects but are not paying cash calls. OEX report opportunity exists to buy the partner out and holds preemptive rights.
SXA	STRATA – X ENERGY	SXA is farming in to earn a 75% interest in the Serowe Project which has 1075PJ Coal Seam Gas Prospective Resource (net to SXA upon completion of farm in), located in the Kalahari Basin Botswana. SXA feel that the project has similarities to the Walloon CSG play in Qld and that there is a growing gas market in Southern Africa. The year 1 Earn in Program is expected to involve 3 core well desorption tests and 1 completed test well estimated to cost \$A1.1M Expect to be in a position to harvest and sell gas by the end of the 3rd year. The Company also has 2P reserves of 1.43MMbbls of oil in the USA. The further development may be by sale/farm in. SXA is investigate the opportunity that exists in the USA to reopen thousands of abandoned CSG well.
KGL	KGL RESOURCES	KGL holds the 111 sq km Jervois Cu Project, located 380km ENE of Alice Springs. The total resource is 26,7Mt at 1.12% Cu 16.6g/t Ag for 299kt Cu and 14.3Moz Ag contained. Recent drilling has focused at depth below the resource. Deep drilling at the Rockface Prospect has intersected 8.2m @ 9.2% Cu 0.19 %Zn 38g/t Ag 0.29 g/t Au from 587mdh. Further drilling is underway, guided by DHEM surveys. Deep drilling at the Reward Prospect has returned 7m @ 2.1%Cu 1.1%Pb 2.4%Zn 92g/t Ag and 0.18g/t Au from 1100mdh. Further drilling is planned at Reward, to test DHEM conductors. The project has been expanded by the acquisition of the Unca Creek to the north of Jervois, where there are a number of drill targets.
TEG	TRIANGLE ENERGY	TEG hold 72 sq km of tenure within the Perth Basin, including the Cliff Head Oil Field 10kms Offshore Perth Basin WA in 15-20m of water (78.75% TEG Royal Energy 21.25%). Gross production from 5 producing wells and an unmanned platform connected to 14kms of pipelines to the onshore Arrowsmith Onshore Facility, the largest oil processing

		<p>facility in the Perth basin. Daily production 1204 bopd from 5 production and 3 injection wells. An enhanced oil recovery study is underway with the aim to improve flow rates. Oil is trucked from Arrowhead to the BP Refinery Kwinana. 2P Reserves are 2.7MMboe. Cliffs Head platform is the only infrastructure available for the development of the Offshore Perth basin. The Company also earning a 30% interest in the Xanadu -1 JV currently being drilled. TEG also holds 19% interest in the 181 sq km Reid Dome Conventional Gas Project Bowen Basin Qld, where 13 wells have been drilled. The Company plan to spin the asset out into State Gas for which it will seek an ASX listing. Technical assessment of the Project is underway.</p>
MAY	MELBANA ENERGY	<p>MAY holds the 2,380 sq km Block 9 Oil & Gas Project Onshore along the north coast Cuba. The area has been lightly explored and contains natural oil seeps and several small discoveries, along trend from the >11Bbls Varadero Oil Field on an SE extension of the Gulf of Mexico. The Prospective Resources have been assessed to be 637MMboe (Best Estimate). The Company has prioritized 19 prospects for further consideration and MAY hope to drill 1-2 wells in H1 18. MAY also has a 30% interest in 85 sq km onshore Taranaki Basin New Zealand operated by TAG Oil 70%, where the Pukatea-1 Well is expected to be drilled in Q1 18 into a limestone target which has produced 23MMstb of oil to date at the adjacent Waihapa Oil Field (Cost of drilling to MAY estimated at \$2.8M). MAY also holds the Beehive Unconventional Offshore Prospect, located in 40m of water, North West Shelf WA. 2D seismic completed and a farm out is sought to fund a 2018 well. Target depth 4000 – 4500 m target depth to a Carboniferous carbonate platform.</p>
ELT	ELEMENTOS	<p>ELT hold the Cleveland Sn Project in Tasmania, which has a total contained resource of 54,840t of tin. The Company is planning to develop the project in 2 stages. Stage 1 will include the development of an open pit resource of 0.8Mt @ 0.81%Sn for 6.5kt Sn and a tailing reserve of 3.7Mt @ 0.29% Sn for 11kt Sn contained. ELT is undertaking work to expand the resource. ELT is also undertaking metallurgical testing of a 150kg bulk samples of tailings in order to try to improve tin recoveries. ELT Have an MOU with Thiasarco which they hope to advance to an offtake and financing agreement ahead of undertaking engineering and permitting studies. Stage 1 of the Project is targeted to commence in 2019. Stage 2 will involve a refurbishment and development of the underground mine to produce tin, copper and tungsten concentrates.</p>
KDR	KIDMAN RESOURCES	<p>KDR hold the Earl Grey – Mt Holland Lithium Project WA where Global Lithium Industry leader Sociedad Quimica y Minera de Chile (NYSE-SQM) will pay \$US30M cash to KDR and then fund \$US80M, to be used to complete the Mine Feasibility Study due Q3 17, and to construct the mine, concentrator plant and infrastructure, plus undertake a Feasibility study into Refinery. The JV arrangements allows KDR the right to participate in a Lithium Carbonate Refinery development. The present concept is to mine 1.5-2Mtpa ore at 1.44% Li₂O to produce 220-300Ktpa of 6% Li₂O concentrate as feed for the Refinery to produce either 37ktpa Lithium Carbonate or 44kt Lithium Hydroxide. The Resource is 128Mt ore @ 1.44% Li₂O for 1.8Mt Li₂O contained. The resource extends over 1400m of strike at the Earl Grey Prospect and is adjacent to the historic Earl Grey Au Open Pit. The deposit is gently dipping and averages 70m in thickness.</p>
NGY	NUENERGY GAS	<p>NGY hold 3695 sq km of tenure over 5 Coal Bed Methane Projects located in Sumatra and one in Kalimantan, Indonesia with Gross 2C resources are estimated to be 109BCF gas. Average coal seam thickness is 40-49m at depths between 300 to 700m from surface. Ngy are planning to bring the Tanjung Enim Project into production by 2019. The Company hope to produce 12MMscfd for 10 years. All other projects are at exploration or appraisal level.</p>

SXY	SENEX	SXY hold producing Oil & Gas assets in the Cooper Basins with FY 18 production guidance of 0.75-0.9 Mmboe from a 2P Reserve of 84Mmboe. Operating costs are \$27/bbl and the Company has a guaranteed floor price of \$US50/BBL in place. The assets include the conventional Vanessa Gas Field located on the Western Flank, where the Company made the Birkhead Oil Discovery in July 2017. The Company also has an unconventional gas project where it is being free carried to \$105M expenditure under a JV with Lattice Energy. SXY is also delivering a new gas supply from the Western Surat gas Project Qld. The 2P reserves are 438PJ and the Company has a 20 year gas sales agreement with GLNG. The project to support 425 wells. A Phase 2 30 well program has been underway which are expected to be on line by December. Further drilling planned for 2018.
AQG	ALACER GOLD	AQG is mining oxide gold ore at the Copler Open Pit Mine Turkey. Q2 17 production was 31.4 koz at AISC of \$US 909/oz. EBITDA was \$US 15.2M. The remaining Contained Oxide Reserves are 512koz @ 1.1g/t Au. The Company is construction a new plant, which includes Pressure Oxidization (POX) followed by conventional leaching (CIL), designed to process the underlying sulphide ore. The first gold pour from this plant is expected in Q3 18. Contained Sulphide Reserves are 3.5Mozs @ 2.77g/t Au 6g/t Ag (M&I Resource is 5.3Moz at 2.2g/t Au). The LOM is 20 years with the AISC estimate of \$US645/oz. The Company's liquidity position is \$US 540M including \$US 154M cash, \$US130 debt and \$US220M undrawn facility. The Company has also outlined a contained resource of 140 koz Au at the Cakmaktepe Au Project, which is only 5kms from the Copler Mine. AQG is also undertaking a DFS into the development of the Gediktepe Au Project (50%) with 400 koz Au 8 Moz Ag 780Mlbs Zn and 315Mlbs Cu. The DFS is expected to be completed by June 2018.
SEH	SINO GAS & ENERGY	SEH Q2 17 gross production averaged 17MMsdf/d gas, which is up 10% on Q1 17 at a sale price of \$US6.40/Mscf from its Orbis Basin China Gas Operations. The Company has 2P Reserves of 2Tcf gross natural gas & 2C Resources are a further 3.2 Tcf. Plus there are P50 Prospective Resources of 3.5Tcf. The gas is contained in up to 16 conventional reservoir sands per well, with an average 1000m of gross gas bearing section, generally within 2000m of surface. Estimated wellhead opex and capex of \$US1.20Mscf. The gas is 95% methane. The Company's gas has ready access to key demand centers in China. 2017 production guidance is 18-23MMscf/d from a pilot program involving a central gathering station. Full field development planning is underway, with the 2017 work program involves 30-35 new wells. SEH have reduced the average completed well cost to under \$US1M. SEH hope to have 20 new production wells tied in by the end of 2017.
WEL	WINCHESTER ENERGY	WEL is focused on the Permian Basin Texas USA, where it holds a net 78 sq km in Nolan County, including 40 sq km prospective for the Ellenburger carbonate formation. Potential resource is 15MMbbls. The Company has a 50% interest in 8 producing wells at White Hat Ranch which produce an average of 462 bopd (net 224bopd net to WEL). The cost of production is \$US8/bbl. WEL expect a mild decline in production, but have identified 125 new well locations, which can be drilled at around \$800k per vertical well.
OBL	OIL BASINS	OBL hold the 202 sq km Vic/P47 Oil & Gas tenure located within the Northern Terrace terrane of the Offshore Gippsland Basin Vic. There are 2 gas discovery wells within the permit (Judith-1 and Moby -1). The estimated Gas in Place 1.8Tcf at the Judith prospect. The Company has commenced a Scoping Study of the resource and market opportunities, in particular to supply gas into the East Coast Australian Market. Oil potential is expected within the Upper Latrobe sediments flanking the Moby Field. OBL also hold the Blackreef Block Onshore Canning Basin WA, where oil was discovered in 2010 at a depth of 1800m, within permeable dolomites. Plans are being considered to

		deepen the well and other targets are being assessed. OBL also hold the Cyrano Retention Lease Offshore Carnarvon WA, with a 2C resource of 3MM bbl oil.
SGC	SACGASCO	SGC is targeting the California Gas Market USA, which has a 6.5Bcf / day supply shortfall. The Company has producing and exploration assets in the Sacramento Basin. SGC is connected to open access gas pipelines and produced 814mcf/d gross gas over Q2 17 from the Rancho Capay and Los Medanos Fields. SGC is drilling 2 wells to test overlooked conventional structural targets. Drill hole Dempsey – 1 has just been completed to TD and has intersected 7 stacked independent conventional sand reservoirs prospective for 1+Tcf gas. The gas intervals are now being evaluated. SGC have farmed out 50% WI of the project for 85% of the cost of the well. SGC is also planning to drill the Alvares Prospect a similar conventional structural target with 2+ Tcf gas potential over a 1500m vertical interval. SGC have farmed out 65% WI of the project.
CUE	CUE ENERGY RESOURCES	CUE has production assets in Indonesia (Sampang PSC) and New Zealand (Maari PMP) and exploration assets offshore WA (359P, 409P and 389P) and Indonesia (Mahakam Hilir and Mahato PSC). The Company's FY 17 production is 1600 boepd and \$35M revenue. Maari Production is 420bopd and incremental production increases are planned. Sampang Production is 6.5MMcfd gas after recent conversion from oil production. Appraisal drilling is planned at Mahakam Hilir to test a geophysical gas target. Offshore WA Permits 359 and 409 together, make up the 400 sq km Deep Mungaroo Prospect with 15Tcf Prospective recoverable gas resource within the Ironbark Reservoirs.
NWE	NORWEST ENERGY	NWE hold 5 permits in the Northern Perth Basin WA, all of which flank the massive ASX-AWE Waitsia Discovery in a known hydrocarbon Province. Have a 3 well program for 2017/18. The first well is Xanadu -1 well (NWE 25%) which was spudded on 4th September and is targeted to TD of 1863m. The well is being drilled from onshore using deviations to test the target offshore. (approx. 1.3kms from the coast). The well is targeting the Permian Dongara Sandstone, plus the Irwin River Coal Measures and the High Cliff Sandstone. The structure is considered by NWE to be one of the largest untested oil prospects in the Perth Basin WA. The target is 160MMbbls recoverable oil from conventional targets. The partners plan to fast track the well to production. The second well will target the Lockyer Deep Prospect (20% NWE) and prospective Kingia/High Cliffs Formations adjacent to Waitsia. The prospect is already known to be oil bearing from historic wells. Drilling is expected early 2018. The third well is Arrowsmith -3 (NWE 28%) will appraise a Contingent recoverable resource of 316BCF, and is expected to spud late 2017/ early 2018. The Prospect was originally drilled in late 2012 and oil gas and condensate were located. 3D seismic has improved targeting. The main targets are unconventional and include the Carynginia Shale and Irwin River Coal Measures. NWE also hold a 6% interest in the Jingemia Oil Field, which has produced around 4.6MMbbls oil to date. The Project is set to recommence production in Q4 17 under a new operator. The field originally had 12MMbbls in place.

BREAKAWAY RESEARCH

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Austex Mining Principal Rob Murdoch is an Australian geologist who has specialised in the management of junior resource companies for 30 years. His experience enables Rob to provide a quick and valid assessment on the potential of impact of many announcements, for example those involving new discoveries, drill results or resource upgrades and tracks the progress of companies on their various exploration or development projects.

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