

Liquids Rich Montney Play - Canada

Good Oil Conference, Perth

September 2017

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CALIMA

ENERGY

ASX Code	CE1
Ordinary Shares	490.5 M
Management Perf. Equity ⁽¹⁾	55.5 M
Market Capitalisation ⁽²⁾	\$28.6 M
Cash & Securities (no debt) ⁽³⁾	\$7.5 M
Enterprise Value (EV)	\$21.1 M
Board & Management own	22%

Corporate Summary

- Completion of farmin arrangements over the liquids-rich Montney play.
- ASX listing – CE1.
- Havoc Partners team join Calima on the board and management and as shareholders.
- Active work program and growth strategy.

(1) Includes performance shares, performance rights (\$0.15) and options (\$0.09 and \$0.12). For details see prospectus dated June 30 2017

(2) Based on the closing price on September 11 2017

(3) Estimated cash balance at September 1 2017

CALIMA

ENERGY

TEAM HAS BUILT, GROWN AND SOLD
SUCCESSFUL COMPANIES TOGETHER

MONTNEY - A PREMIER NORTH AMERICAN LIQUIDS
RICH ENERGY PLAY

MONTNEY - STRONG INSTITUTIONAL AND INDUSTRY
APPETITE FOR THE PLAY

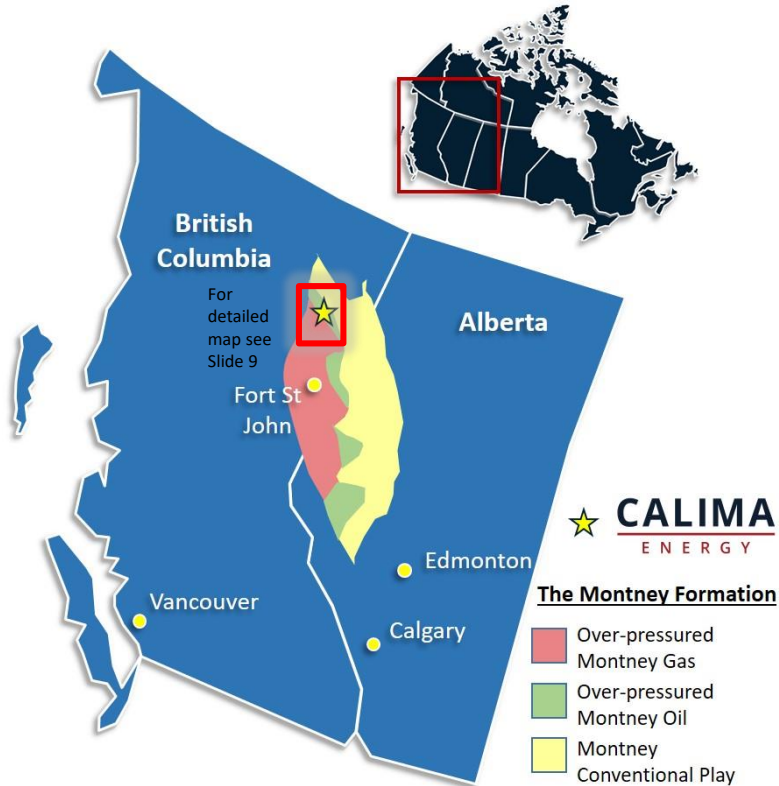
STABLE INVESTMENT DESTINATION

LOW TECHNICAL RISK WITH EXCELLENT UPSIDE

MANAGEMENT ALIGNED & MOTIVATED
>20% OWNERSHIP

SIGNIFICANT VALUE ARBITRAGE VS. MONTNEY PEERS

THE MONTNEY PLAY

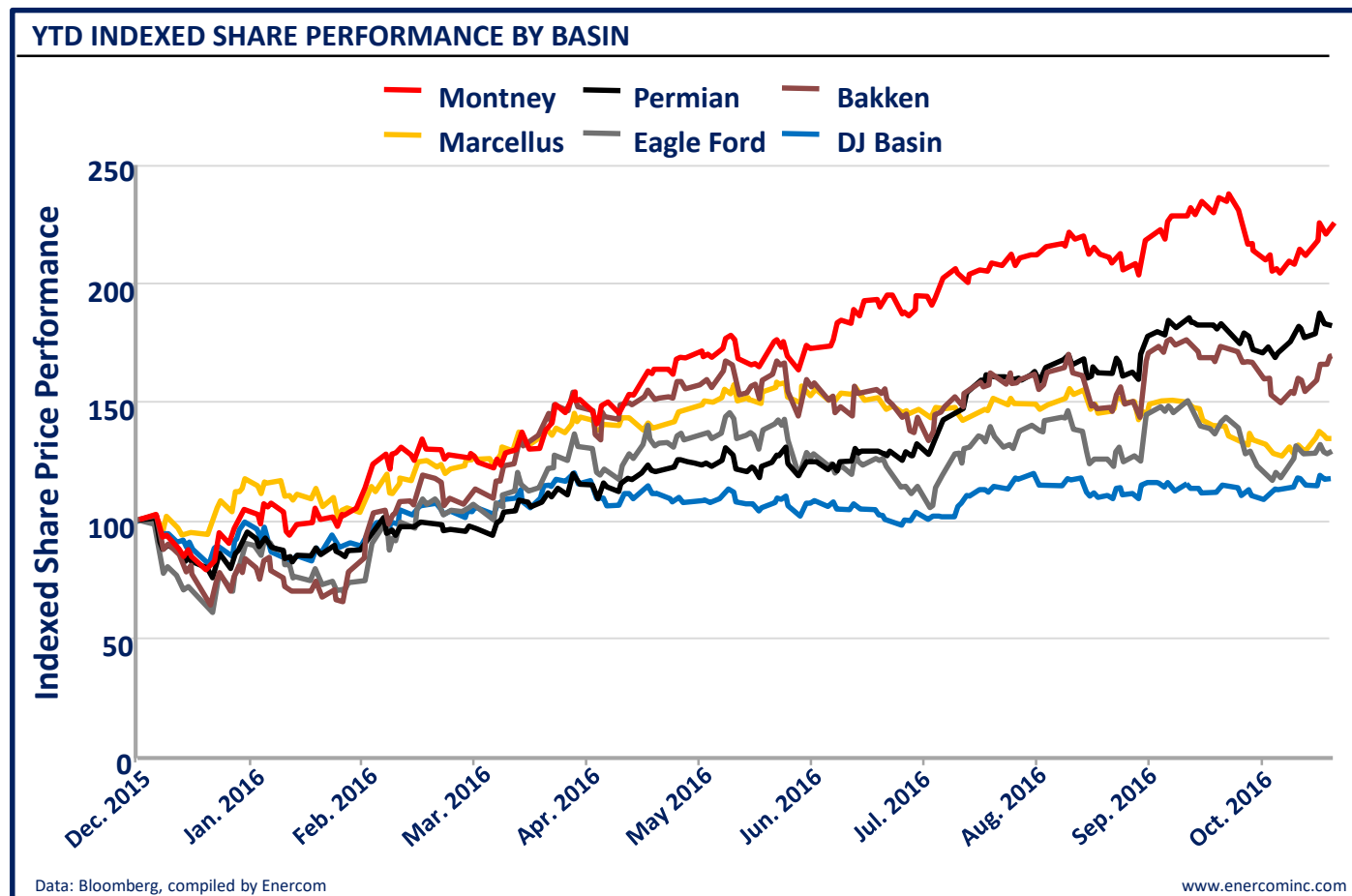


- Covers an extensive area (130,000 km²) of British Columbia and Alberta.
- Estimated remaining 449 Tcf of gas, 14.4 bn bbls of condensate and 1.1 bn bbls of oil⁽¹⁾.
- Is the most active play in Canada with C\$5.2 Bn in investment in 2017 rising to C\$7.5 Bn in 2022⁽²⁾.
- Current production is 6.3 bcfd (including 247,000 bbl/d condensate and other liquids) which is predicted to more than double by 2022⁽²⁾.
- Siltstone play offering better productivity than shale plays.
- Thicker than most other unconventional plays (200-300 m) allowing for multi-layer completions from one surface location.
- Ideal rock properties for fracture stimulation resulting in enhanced productivity.
- Breakeven costs in the liquids rich window of the Montney play (US\$1.69/mcfe) are amongst the most competitive in North America, delivering excellent returns at current prices⁽²⁾.

(1) *The Ultimate Potential For Unconventional Petroleum From The Montney Formation Of British Columbia and Alberta, National Energy Board, November 2013*

(2) *Wood Mackenzie Unconventional Service, Montney Key Play Report, April 2017*

WHY THE MONTNEY? – PROVEN PERFORMANCE



“The super liquids rich window of the Montney in British Columbia will emerge as one of the top plays in Western Canada and perhaps in North America.”

BMO Capital Markets Research Note

MONTNEY – CALIMA LANDS FARMIN

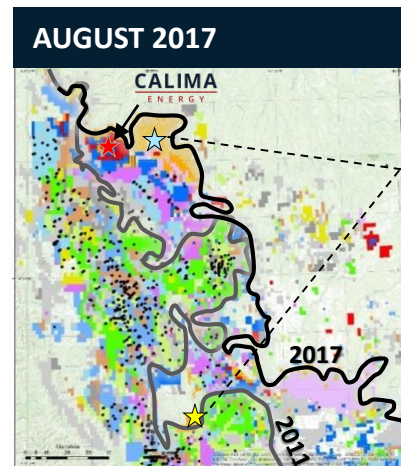
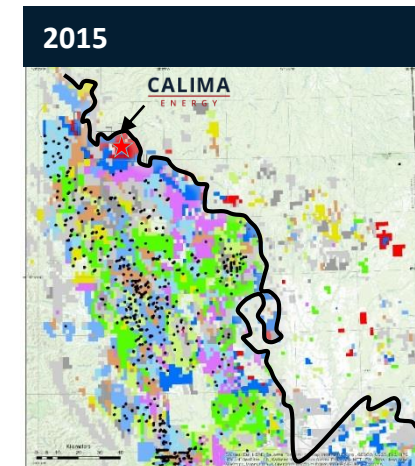
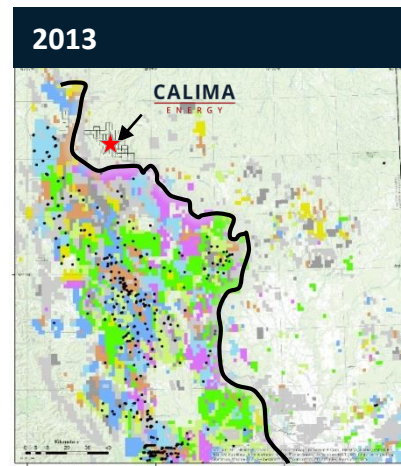
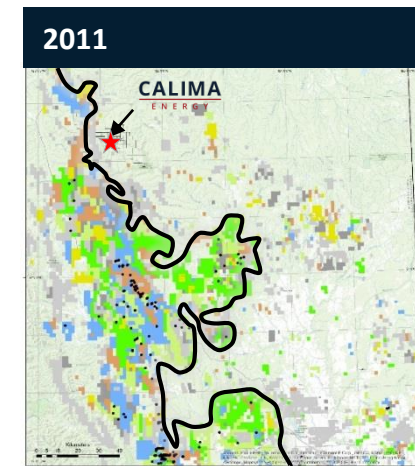
Stage	Cumulative Contributions	WI Earned (cumulative)	Latest Date
1	C\$5 M	20% (20%)	01 Aug 2018
2	C\$12 M	17.5% (37.5%)	28 Feb 2019
3	C\$25 M	17.5 % (55%)	28 Feb 2020

Stage	Activities
1	Acreage acquisition, 3D seismic, Drill planning
2	Drill and complete one x 2,000 m Hz well
3	Drill and complete two x 2,000 m Hz wells

- Calima has completed a farmin with TSV-Montney Ltd and TMK-Montney Ltd (TSV/TMK) to acquire up to 55% of the Calima Lands.
- C\$10.5 M invested in the Calima Lands by TSV/TMK.
- Calima will fund a three stage earn-in.
 - Stage 1 (C\$5 M):
 - C\$1.5 M invested already.
 - Anticipate full-spend by early 2018.
 - Stages 2 & 3 (C\$20 M):
 - Entry to stages two and three are at our election.
 - Three-well drilling campaign anticipated 2H 2018
- Calima also owns 11.2% of the issued share capital of TMK, resulting in a fully diluted economic interest of 57%.



MONTNEY – LAND SALES 2011 ONWARDS



- Activity associated with the Montney unconventional play has spread progressively north eastward.
- Prior to 2013 the Montney was predominantly a dry gas play.
- Since 2013 most of the activity has been focussed on the liquids rich part of the play.
- The liquids potential of the Calima Lands was identified in 2013 using a proprietary geoscience work flow.
- TSV/TMK started acquiring land in the Caribou area in 2014 moving ahead of industry trends (average land cost \$130/acre).
- The Calima Lands now lie within the accepted limits of the Montney liquids rich play.
- In July 2017 a single parcel of land covering 14,000 acres attracted a record bid of \$77 M (\$5,600/acre)
- In August 2017 industry requested that a large contiguous acreage parcel of c. 100,000 acres to the east of the Calima Lands be included in an upcoming land sale.
- This is notable because of its very large size and its potential to extend the Montney play eastwards.

● Montney Horizontal
Production Well
} Montney Acreage Limit

\$ = C\$

LAND SALES

2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 YTD 2017 August 2017

MONTNEY - KEY DEAL METRICS

- BMO noted recently that typical transaction metrics for proven Montney land was \$2,500 to 5,000/acre.
- Calima Lands have been acquired at an average initial cost of less than \$130/acre.
- Cost to complete acreage build and drill wells estimated to be <\$600/acre.
- Drilling results will be a value catalyst which enable preparation of a resource statement.

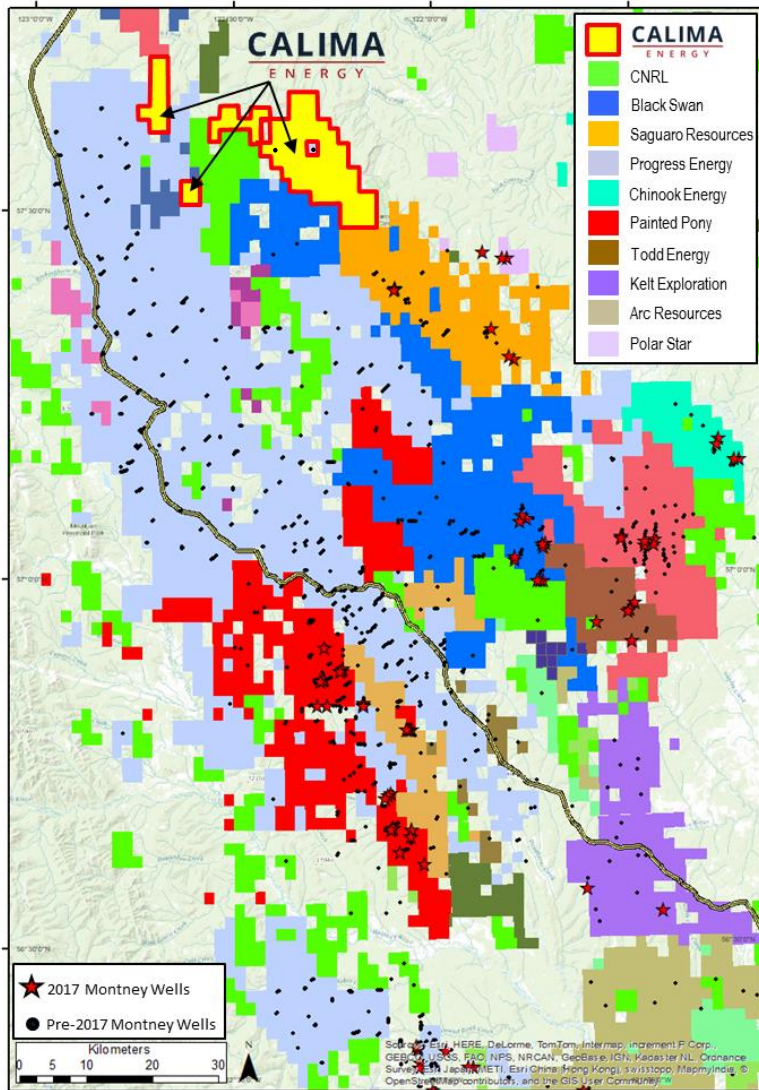
Listed Montney Players

Company	Net Acreage (acres)	Wells Drilled	2P Reserves (mmboe)	Production (boe/d)	CGR (bbl/mmscf)	Mkt Cap (C\$ M)	\$/acre (C\$)
Blackbird	70,000	6	56	868	144	257	3,671
Delphi	70,000	11	11	9,000	58	222	3,171
Storm	109,000	56	104	17,000	36	498	4,568
Leucrotta	115,840	11	23	2,700	35	375	3,237
Crew	285,440	150	324	22,884	153-192	568	1,989

Montney Transaction Activity (April to July 2017)

Date	Buyer	Seller	Value (C\$ M)	Production (boe/d)	C\$/boe	Acreage (acres)	\$/acre (C\$)
July 17	Paramount	Trilogy	650	25,133	25,862	118,000	5,508
May 17	?	Paramount	150	1,400	107,143	47,360	3,167
May 17	Primavera	Crew	49	n/a	n/a	18,400	2,663
May 17	Leucrotta	?	36	n/a	n/a	11,840	3,041
May 17	Painted Pony	UCR	229	8,500	27,012	69,143	3,312
May 17	?	Trilogy	50	1,100	45,455	44,427	1,125
April 17	ConocoPhillips	Pengrowth	92	n/a	n/a	23,424	3,928

MONTNEY – CALIMA LANDS



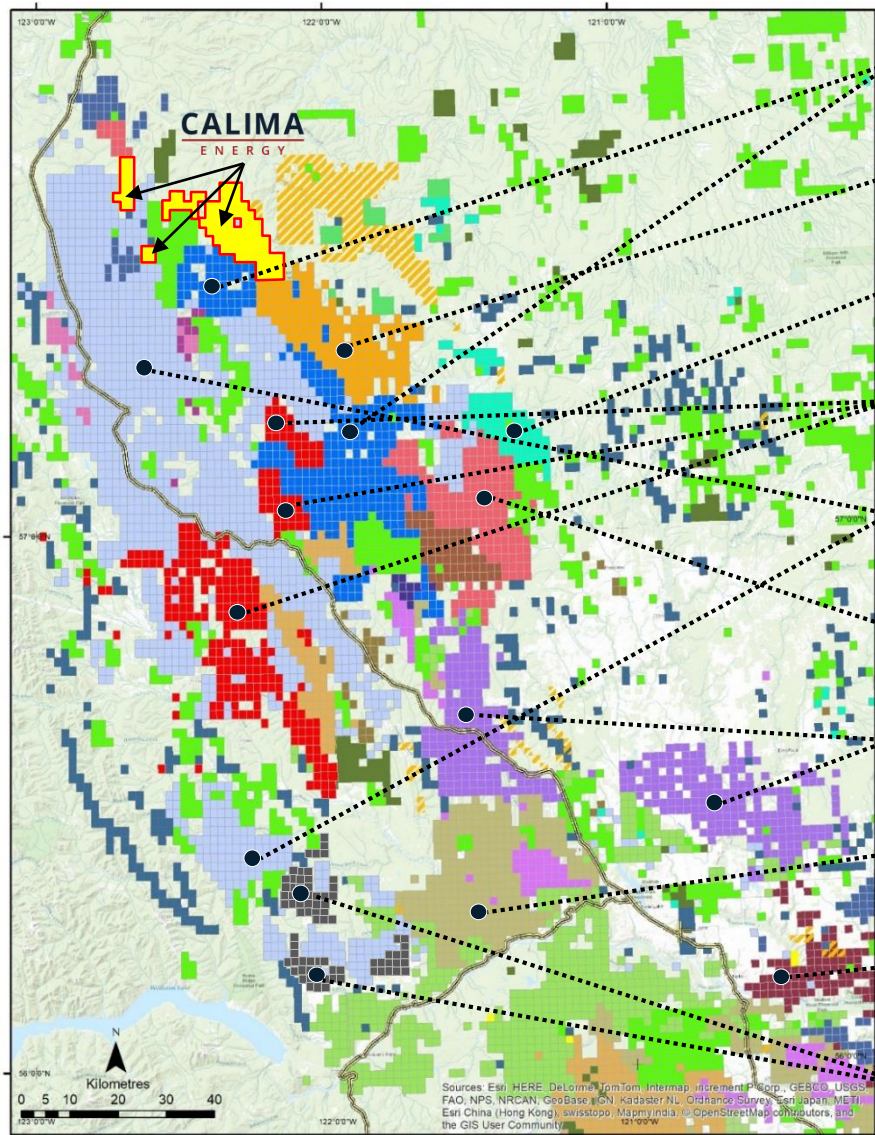
- Calima has the right to earn 55% of an acreage position referred to as the Calima Lands, located in a liquids-rich window of the Montney play in British Columbia.
- Acreage position currently comprises 63,800 acres.
- Further acreage growth anticipated by year end

Calima Lands acquisition guided by proprietary geoscience workflow which enabled low-cost licensing ahead of mainstream industry activity.

- Acquisition phase to continue during 2017.
- 3D seismic over the core of the Calima Lands.
- Extensive historical well database
 - More than 60 well penetrations through the Montney within 35 km.
 - Vertical well penetrations through the Montney in and around the Calima Lands demonstrate that the section is analogous to adjacent production.
- Plan to drill three horizontal wells in the winter of 2018/19.

For map location see Slide 4

MONTNEY - PEER GROUP



- Private equity backing of \$850 M
- 341 sections held in the Jedney and Nig areas
- 2017 capital program of \$180 M



Saguaro
Resources Ltd

- \$400 M line of credit from PE firms
- 162 sections within the Laprise area adjacent to Calima Energy land position
- Fully funded to drill 28 wells in 2017



- \$40 M capital expenditure for 2017
- 70 sections in the Birley/Umbach area
- Projected 2017 production of 6300-6500 boe/d



- TSX-listed company with market cap of \$780 M & credit facility of \$400 M
- In May 2017, the company acquired UGR's position for a combined total of 314 sections (201,009 acres)



- Parent company is Malaysian NOC – Petronas
- Largest natural gas Montney player in Western Canada (total resource ~62 Tcf in North Montney)
- 215 wells drilled to date



- TSX-listed with market cap of \$515 M
- 155 sections (109,000 net acres) land position
- End of 2016 2P reserves of 104mmboe



- TSX-listed with market cap of \$1.15 Bn
- 650 Montney sections in BC & Alberta with a strong position in the Inga/Fireweed area
- 2017 capital program of \$145 M



- TSX-listed with market cap of \$6.13 Bn
- 1200 Montney sections in both BC & Alberta
- Total proved resources of 426mmboe and 2P reserves 737mmboe



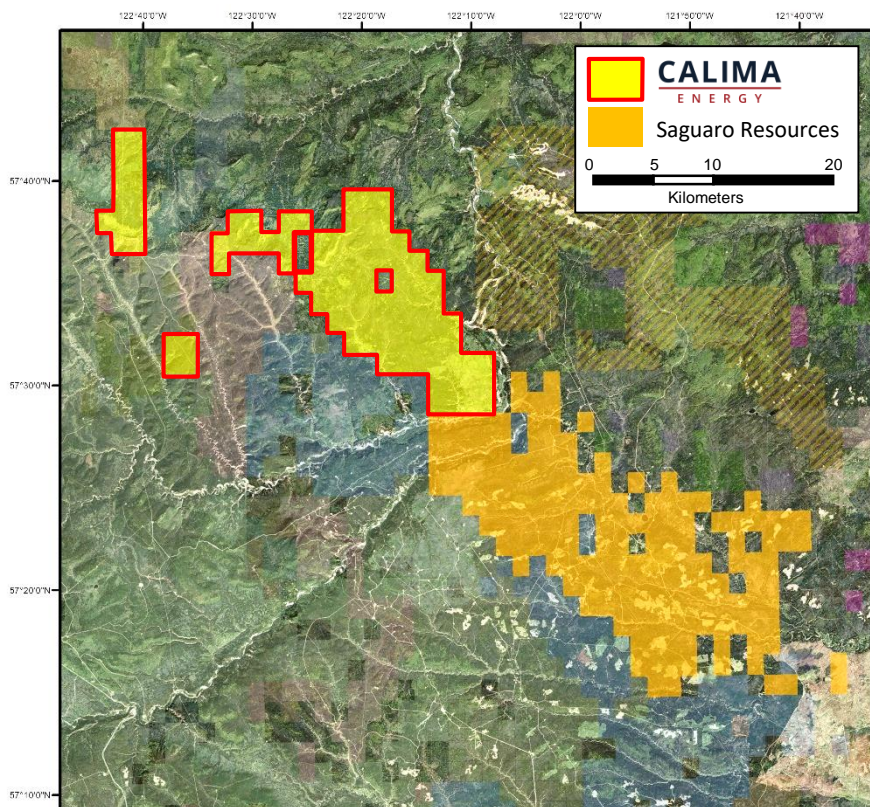
- TSX-listed with a market cap of \$370 M
- A Montney focussed producer in the Dawson Area with a net acreage of 90,200 acres (141 sections)
- Current production is approximately 3000 boe/d



- Private equity backing of Warburg Pincus, BlackRock & Arc Financial
- 2017 capital program of \$280-310 M
- Montney position of 180,000 net acres in Altares

Note: "\$"=C\$ Data at May 2017

SAGUARO RESOURCES – OFFSET ACTIVITY



- Saguario Resources has built a position covering 110,000 acres immediately to the southeast and along geological trend from the Calima Lands.
- Land acquisition cost of ~C\$1,000 per acre^(1,2).
- Private equity investors provided C\$444 M facility supplemented by C\$155 M debt facility.
- More than C\$400 M invested drilling 46 wells and building facilities.
- Fully funded to drill 28 wells during 2017.
- Producing 10,500 boe/d (August 2017) from 36 wells; peak daily production in July 2017 exceeded 15,500 boe/d; planning to exit 2017 with 16,000 boe/d.
- Liquids rich yield of 53 bbls/mmcft of which 71% is condensate⁽³⁾.
- Liquids account for 48% of revenue (40% from condensate).
- Estimated Ultimate Recoveries (EUR) per well of 6.3-8.3 bcf (1.2-1.6 mmmboe) delivers an IRR of 42-85% respectively.

Reserves Evaluation ⁽⁴⁾ Net, NBR	Year End 2016		
	Total mboe	NPV 10% Before Taxes \$000	Montney Locations ⁽⁵⁾
Proved Developed Producing (PDP)	18,933	\$224,164	34
Total Proved (1P)	92,690	\$740,601	134
Total Proved + Probable (2P)	295,124	\$2,193,917	330

(1) "Saguario Resources won't be a junior producer for long" - JWN Energy, May 2017

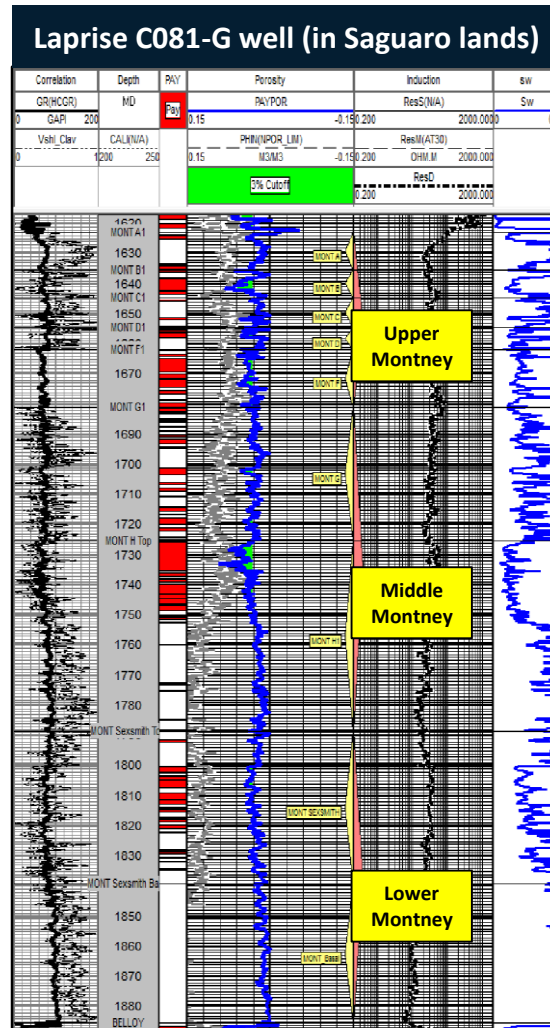
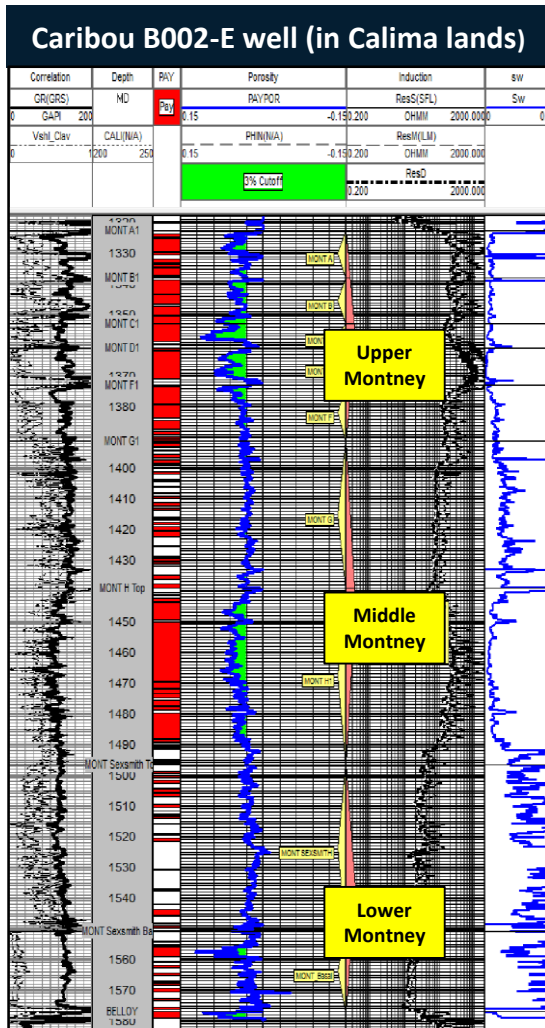
(2) Calima Lands average initial acquisition cost ~C\$130 per acre

(3) Facilities CGR

(4) Saguario reserves from August 2017 Corporate Presentation

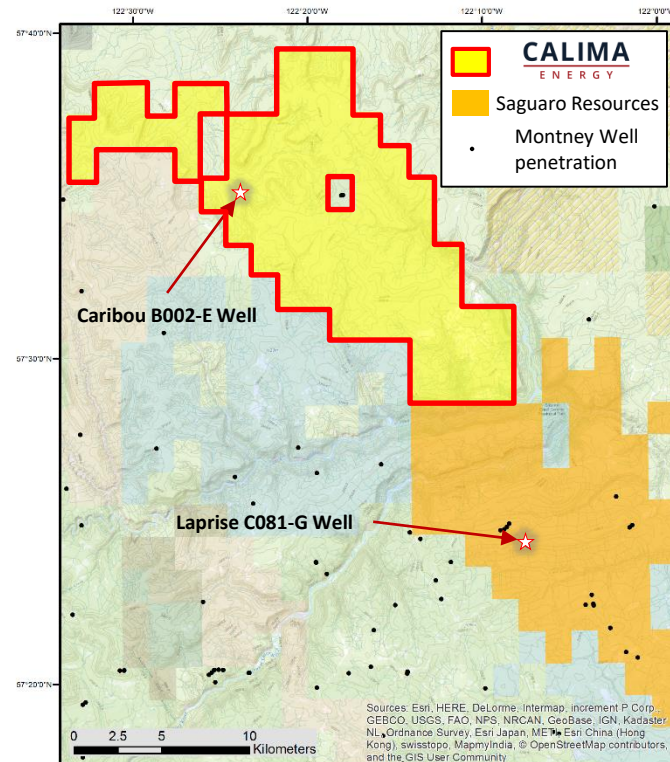
(5) Montney locations refers to the number of wells used in the reserves estimate

SAGUARO RESOURCES – AN ANALOGUE



McDaniel & Associates Consultants Limited (McDaniel) provided a geological audit and review of offsetting competitor production for the Montney Formation on the Calima lands in the Caribou Area.

Calima expects wells drilled in its lands will deliver similar performance to those drilled by Saguaro.



Log data from a well in the Calima lands (Caribou B002-E) and a well in the adjacent Saguaro lands (Laprise C081-G) which were used by McDaniel to compare reservoir parameters. Red flag denotes pay zone. A full copy of the McDaniel report can be obtained from the Company website (www.calimaenergy.com)

SAGUARO RESOURCES – AN ANALOGUE

Upper Montney

Well ID	Top (m)	Pay (m)	Porosity (%)	Water Saturation (%)	Gradient (kPa/metre)	Temperature (Celsius)	Pressure (kPa)	Compressibility (Z-factor)	Illustrative Gas in Place (Bcf/sq mile)
Calima 200	1332.6	55.5	5.2	15	11.5	42	15,209	0.764	40.0
Saguaro 202	1622.7	26.4	4.2	17	13	52	21,096	0.805	19.2

Middle Montney

Well ID	Top (m)	Pay (m)	Porosity (%)	Water Saturation (%)	Gradient (kPa/metre)	Temperature (Celsius)	Pressure (kPa)	Compressibility (Z-factor)	Illustrative Gas in Place (Bcf/sq mile)
Calima 200	1391.2	63.3	4.5	15	11.5	45	15,998	0.771	40.9
Saguaro 202	1680.9	37.1	4.1	16	13	54	21,851	0.814	27.1

Lower Montney

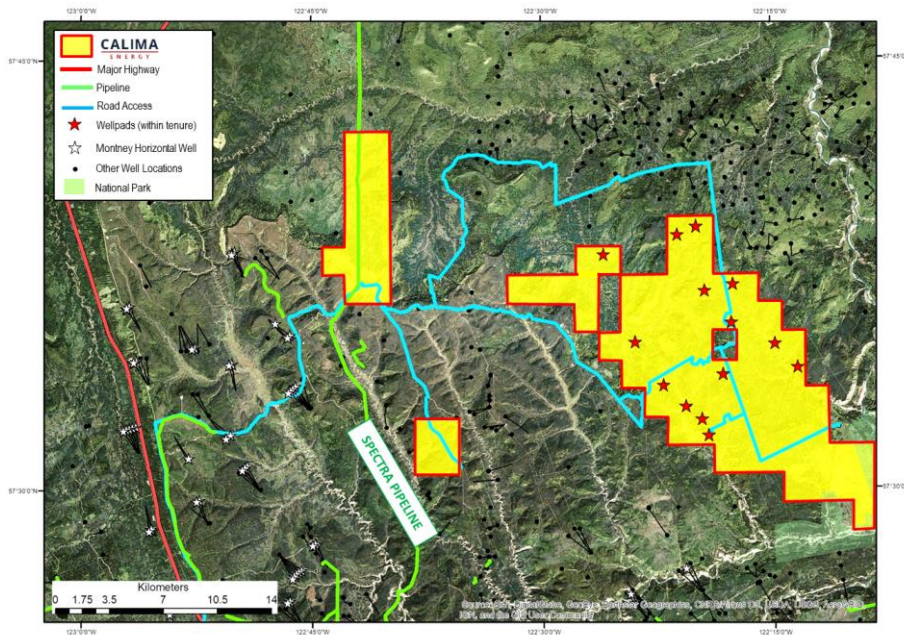
Well ID	Top (m)	Pay (m)	Porosity (%)	Water Saturation (%)	Gradient (kPa/metre)	Temperature (Celsius)	Pressure (kPa)	Compressibility (Z-factor)	Illustrative Gas in Place (Bcf/sq mile)
Calima 200	1496.5	21.2	4.3	26	11.5	48	17,209	0.780	12.0
Saguaro 202	1788.4	16.1	3.5	23	13	57	23,249	0.830	9.5

The following extract from the McDaniel report describes the comparison of a well in the Calima Lands with a well in the Saguaro lands;

- *“The Middle and Upper Montney reservoirs on Calima acreage compare favourably to what has recently and is currently being developed by Saguaro to the south.*
- *Pay thickness and average porosity are both higher in the Caribou Area.*
- *The biggest difference between the Caribou and Laprise areas is the reservoir depth, the Montney Formation at Laprise is roughly 300 m deeper than Caribou, which would explain the difference in porosity as the zone is at a lower burial depth and likely has seen less compaction.”*

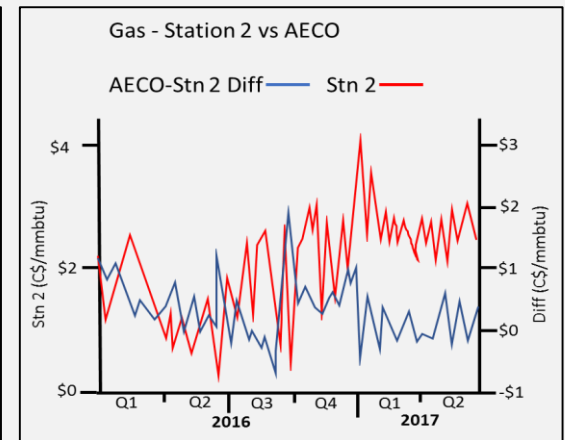
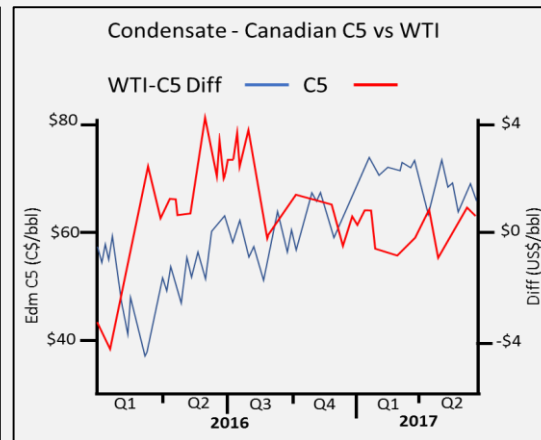
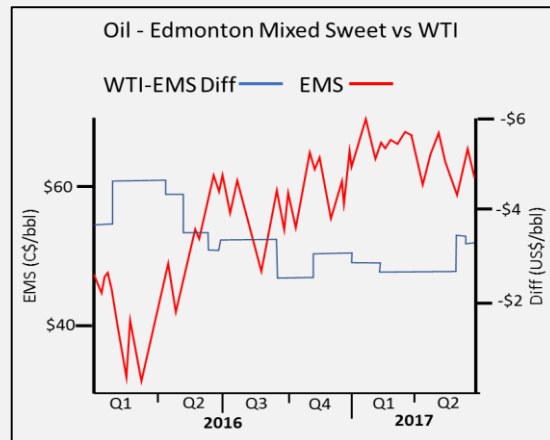
A copy of the McDaniel report can be obtained from the Company website (www.calimaenergy.com)

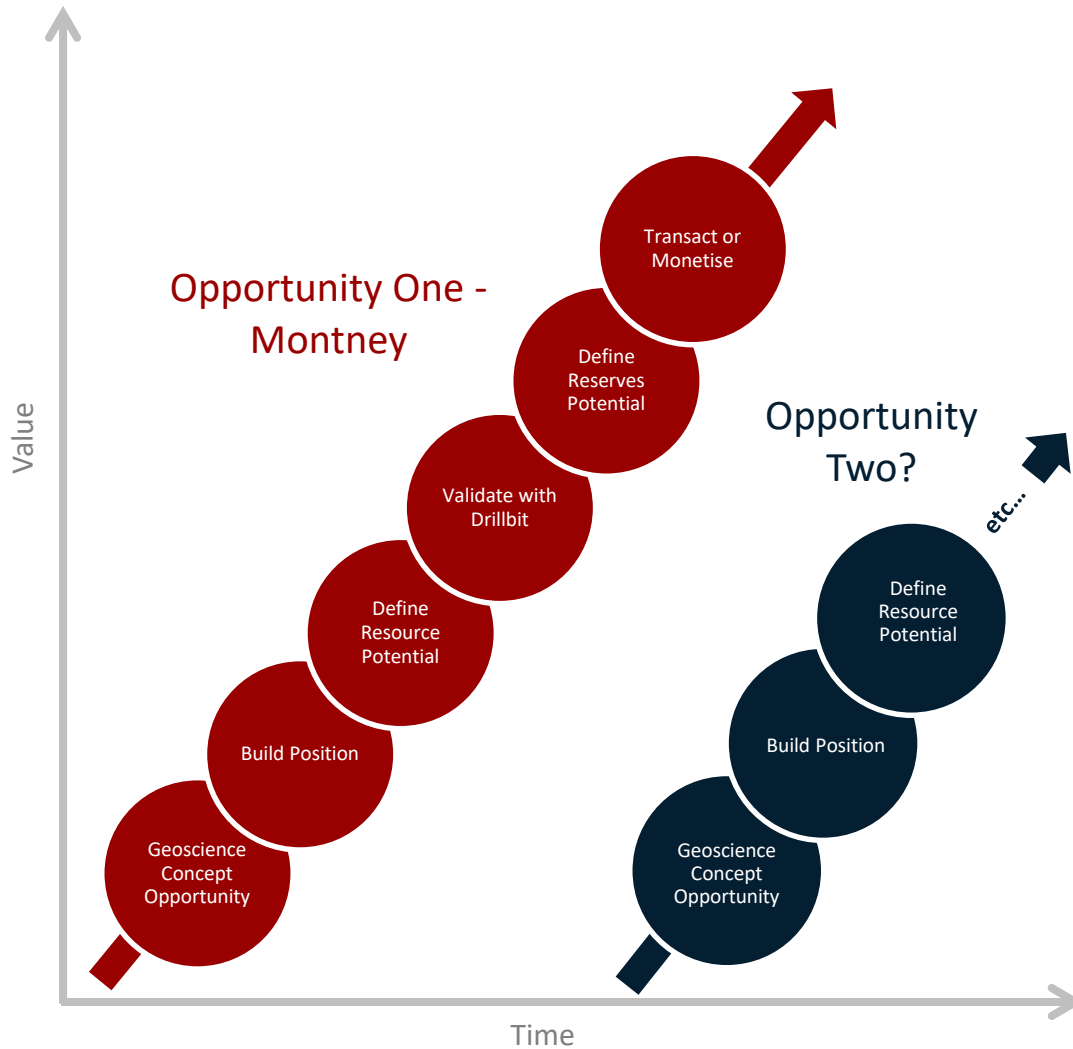
INFRASTRUCTURE & PRICE DECK



- The Spectra Westcoast Pipeline runs approximately 15 km to the west of the Calima lands giving access to Station 2 pricing.
- BMO predict a long term differential of C\$0.35/GJ for Station 2 vs AECO but note that significant new capacity coming on-stream.
- Condensate in demand as a dilutant for heavy crude from oil sands and has been trading at a premium to WTI.
- Oil trades at a slight discount to WTI due to transport costs.
- Adjacent operator reports single well IRRs of 42-85%⁽¹⁾

(1) assuming C\$2.50/GJ AECO, -C\$0.35/GJ Station 2 differential, WTI US\$50 bbl, 0.75 USD/CAD FX, NGLs' pricing relative to WTI C5 100%, C4 62%, C3 36%.





Seek opportunities where:

- Innovative geoscience or operational excellence can add value.
- There is a clearly defined exit.

Initial focus is on the Montney.

- Validate geological concept via drill bit.
- Develop monetise or otherwise transact.

Be awake to other opportunities.

- Once Montney is on an advanced trajectory there are a lot of other opportunities out there!

CALIMA

ENERGY



- **Low cost entry into a Tier 1 basin**
- **Low technical risk with excellent upside**
- **Jurisdiction where deals are done and capital available**
- **Significant valuation arbitrage**

BOARD & MANAGEMENT

Alan Stein

Managing Director

Dr Stein has more than 25 years' experience in the international oil and gas industry. He was one of the founding partners of the geoscience consultancy IKODA Limited based in London and Perth and was the founding Managing Director of Fusion Oil & Gas plc and Ophir Energy plc.

Dr Stein is currently the Non-Executive Chairman of Hanno Resources Ltd and Sea Captaur Limited and is a Non-Executive Director of Bahari Holding Company Limited.

Glenn Whiddon

Chairman

Mr Whiddon has an extensive background in equity capital markets, banking and corporate advisory, with a specific focus on natural resources. Glenn holds a degree in Economics and has extensive corporate and management experience. He is currently Director of a number of Australian and international public listed companies in the resources sector.

Mr Whiddon was formerly Executive Chairman, Chief Executive Officer and President of Grove Energy Limited, a European and Mediterranean oil and gas exploration and development company, with operations in Italy, Romania, Slovenia, Tunisia and the UK and Dutch North Seas.

Mr Whiddon is currently a director of Auroch Minerals Limited, Statesman Resources Limited and Fraser Range Metals Group Limited.

Jonathan Taylor

Technical Director

Mr Taylor has more than 25 years' experience in the international oil and gas industry. He started his career with Amerada Hess in the UK before moving to Clyde Petroleum plc. He relocated to Perth in 1998 to take up the role of Technical Director at Fusion Oil & Gas plc. Following the sale of Fusion, Mr Taylor, together with Dr Alan Stein, was one of the two founding executive directors of Ophir Energy plc serving initially as its Technical Director.

Mr Taylor is currently a non-executive director of Octant Petroleum, Helium One Limited and Citra Partners Ltd.

Neil Hackett

Non-Executive Director

Member of the Audit & Risk Committee and
Remuneration Committee

Mr Hackett holds a Bachelor of Economics from the University of Western Australia, Post-graduate qualifications in Applied Finance and Investment, and is a Graduate (Order of Merit) with the Australian Institute of Company Directors.

Mr Hackett is currently Non-executive Chairman of Australian Securities Exchange listed entity Ardiden Ltd (ADV), and previous NED of African Chrome Fields Ltd (ACF), Modun Resources Ltd (MOU) and has held various ASX Company Secretary positions including Sundance Resources Ltd, Ampella Mining Ltd, and ThinkSmart Ltd. Mr Hackett is currently Chairman of WA State Government peak cycling organisation West Cycle Inc and company secretary of industrial footwear manufacturer Steel Blue Pty Ltd.

BOARD & MANAGEMENT

Havoc Partners (Technical Management)

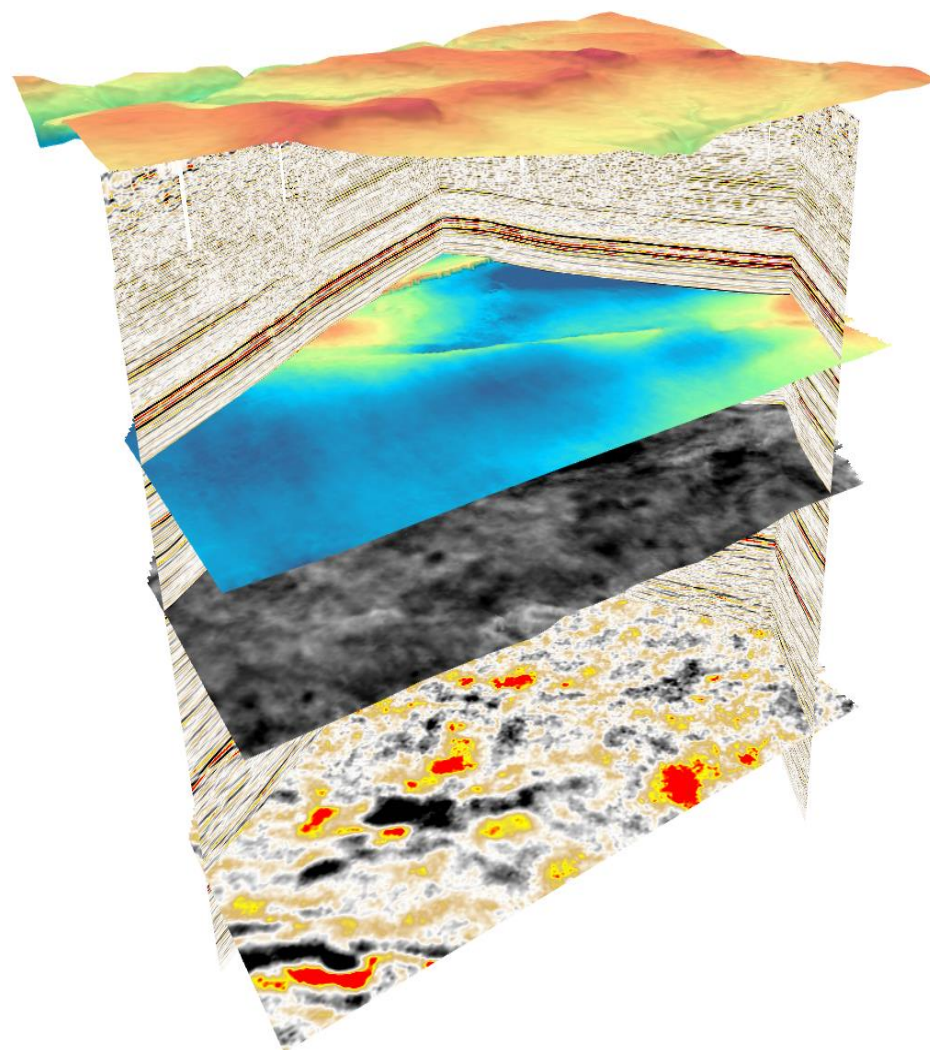
Havoc Partners LLP is a natural resources investment company focused on oil and gas, precious- and base-metals and strategic noble gases. The five founding partners of Havoc are geoscientists who have worked together for more than 16 years and collectively have more than 100 years of international upstream experience. Havoc was established to provide a platform to deploy the expertise and relationships of the partners in making direct and indirect investments in the natural resources sector with an emphasis on oil and gas.

As part of the transaction announced on May 1st 2017 the founding partners of Havoc all joined the management team of the Company. Alan Stein and Jonathan Taylor joined the Board as Managing Director and Technical Director respectively and the three remaining partners; Richard Higgins, Justin Norris and Mark Sofield fulfil technical and commercial management functions.

The partners were all involved in AIM listed Fusion Oil & Gas plc which was involved in discoveries offshore Mauritania and then were all involved in Ophir Energy plc which was involved in discoveries offshore Equatorial Guinea and Tanzania. When it listed on the LSE in 2011 Ophir was the biggest ever E&P IPO in London at the time and was the most successful float of the year.

The Havoc team took Ophir from a small exploration focused African player to a c. £1.9 Bn FTSE 250 company with contingent resources in excess of 1 bn bbls; one of the most successful growth stories of the African E&P players.

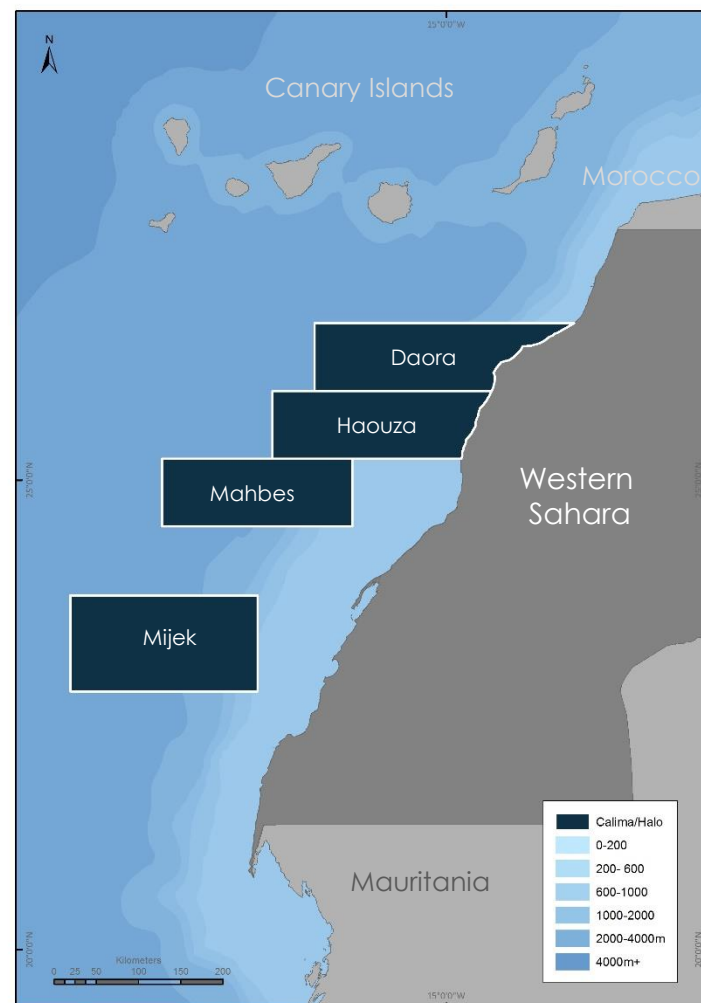
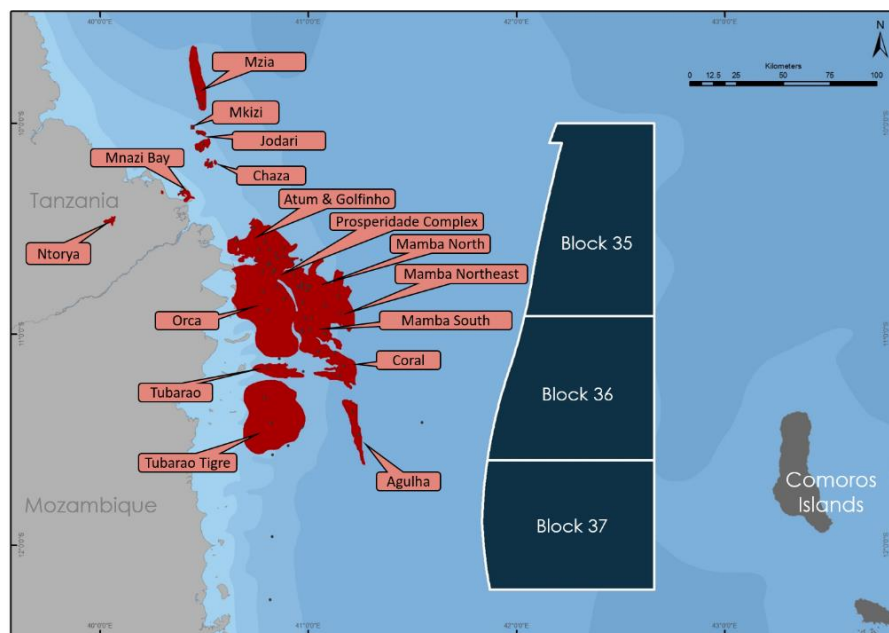
www.havocpartners.com



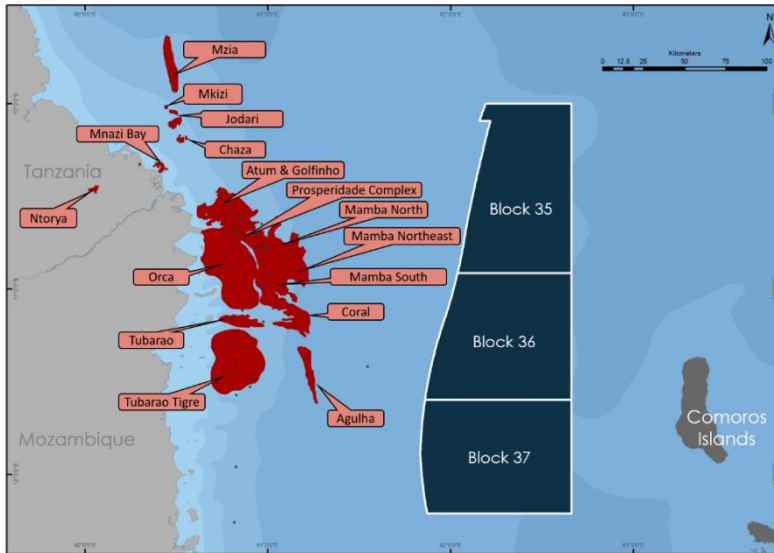
Extract from 3D seismic volume within Calima Lands. Data licensed from Seitel Canada.

PORTFOLIO ASSETS – WAIT AND SEE

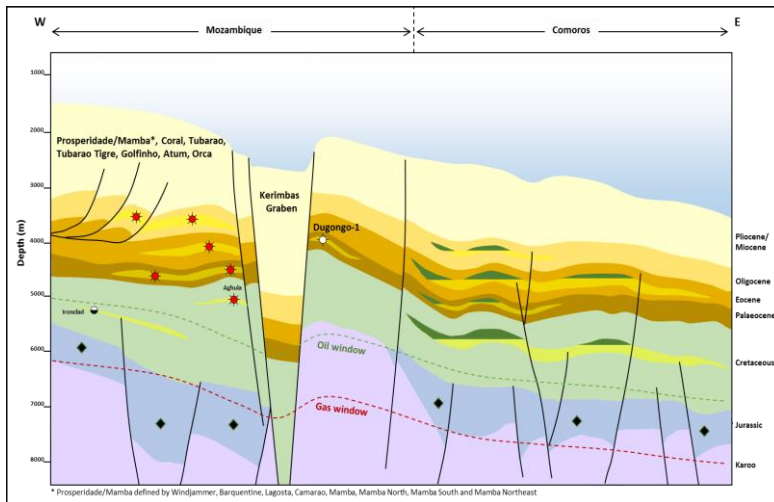
- As part of the transaction announced on May 1st 2017 Calima acquired certain other assets from Havoc Partners LLP.
- Bahari Holding Company Limited (10% shareholding) – Bahari has exploration interests offshore Comoros in East Africa.
- Western Sahara (50% interest in 4 PSCs) – Calima has interests in 4 PSCs subject to resolution of a sovereignty dispute.
- These are passive investments which do not currently require any capital investment from Calima.



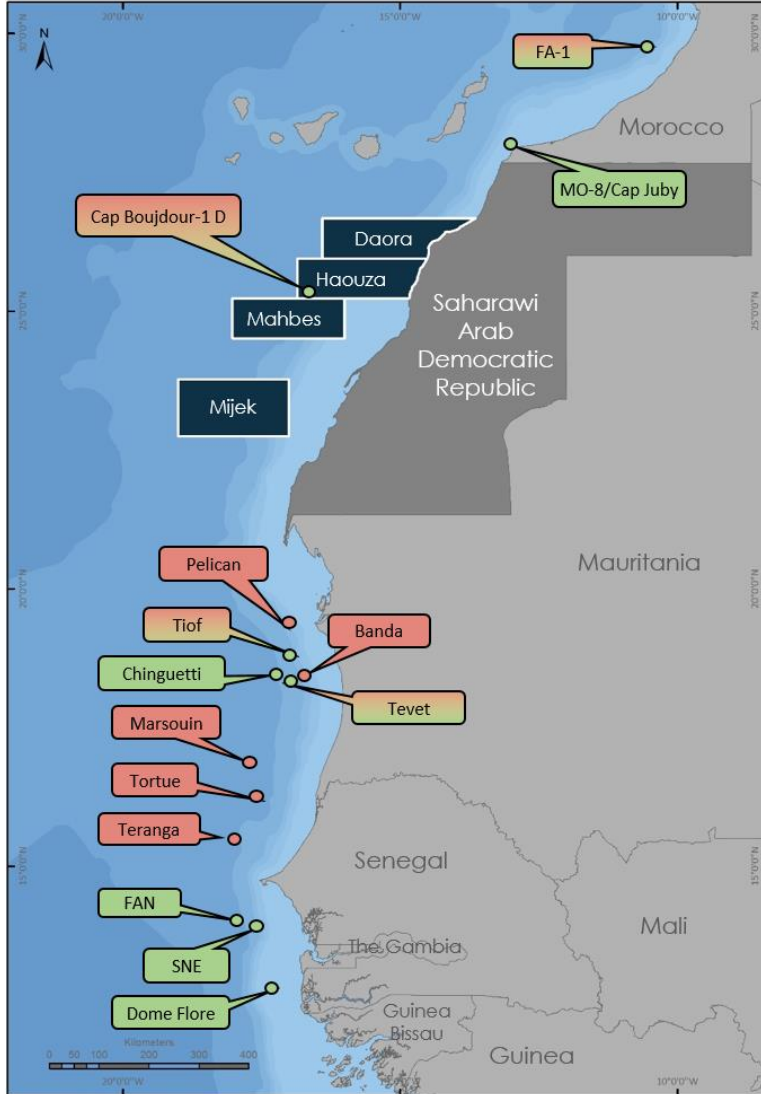
For further information regarding either asset please refer to Appendix 2 of the Corporate Presentation dated April 2017 which is available from www.calimaenergy.com



- Calima owns 10% of the issued share capital of Bahari Holding Company Limited (Bahari), a private Guernsey registered company that owns 40% of three production sharing contracts (PSCs) in the offshore territory of the Union of the Comoros.
- The PSCs lie immediately adjacent to the border with Mozambique and a short distance from the giant gas discoveries made by Eni and Anadarko, who have discovered more than 175 Tcf of natural gas.
- Ground breaking research by Bahari has demonstrated that the petroleum system in the Comoros is identical to that in Mozambique, however, the primary source rocks have been less deeply buried and are considered to be prospective for oil rather than gas.
- Tar strandings recovered by Bahari from beaches in the Comoros have been sourced from the same Lower Jurassic oil-prone source rocks that have been proven in Tanzania and elsewhere in East Africa.
- The Calima management team were involved in the first offshore gas discoveries in Tanzania and have extensive experience in East Africa.
- East Africa is probably the largest new offshore hydrocarbon province of the 21st Century.



WESTERN SAHARA – WEST AFRICA



- Calima owns 50% of four offshore Production Sharing Contracts (PSCs) awarded by the Saharawi Arab Democratic Republic (SADR), which is more commonly known as Western Sahara.
- The rights to the PSCs are held via Assurance Agreements which convert automatically into PSCs once the UN recognises the SADR as a sovereign state.
- At present a significant part of the SADR, including the offshore, is occupied by Morocco and until such time as there is a resolution to the sovereignty dispute, Calima cannot undertake exploration activity.
- Recent exploration success in Senegal and Mauritania has resulted in increased industry interest in Northwest Africa as evidenced by recent transactions by BP, Woodside and CNOOC, who have all acquired acreage positions.
- The Calima management team were involved in the first offshore oil discoveries in Mauritania and have extensive experience along the Northwest African margin.
- Northwest Africa is probably the second largest new offshore hydrocarbon province of the 21st Century after East Africa.

CALIMA

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