



2 December 2021

## Brooks 2 well Drilling Program to Commence

Calima Energy Limited ("Calima" or the "Company") (ASX: CE1) is pleased to announce the commencement of a 2 well horizontal Glauconitic ("GLCC") drilling campaign at its core Brooks area.

### Highlights:

- **2 GLCC** horizontal well drilling program commenced (Pieces 1 & 2 designation)
- GLCC wells are anticipated to have an EUR of **170 - 400 Mboe's** with IP90's of **200 – 400 boe/d**
- Spud of the first GLCC well (Pieces #1) has commenced. The well will be drilled to a measured depth of ~2,600 meters and is expected to take **10 days to drill**
- Pieces #2 well will commence drilling off the same drill pad as #1 and will be an extended reach horizontal drilled to a measured depth of 4,300 meters
- **In early January the 2 wells will undergo multi-stage frac stimulation and then be tied-in** to existing infrastructure and facilities. Estimated on production date in mid February 2022
- The GLCC wells offset an existing GLCC well (100/04-21) that has produced over 125,000 barrels of oil since being drilled in May 2017. Seismic and reservoir engineering confirm significant reservoir upside
- Total **capital program of C\$5 million** for the drilling, completion and tie-in
- **A hedging program will be put in place** to manage capital exposure and ensure a strong balance sheet
- Capital program funded from **operational cash flows** and **National Bank debt facility**
- Leo 1, 2 & 3 wells continue to recover drilling and frac fluid together with hydrocarbons and we are encouraged by the initial oil flow rates

### **Jordan Kevol, CEO and President:**

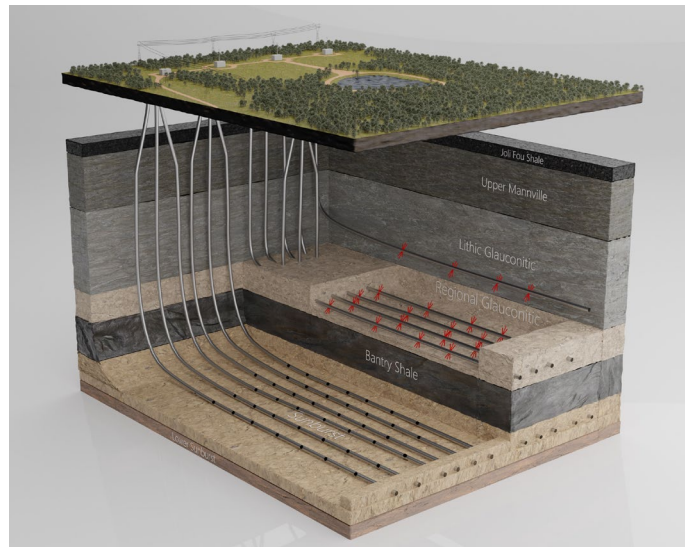
*"I am pleased to advise that a two well drilling campaign targeting the Glauconitic Formation in the Brooks area has commenced. Based upon our extensive drilling knowledge in the area, low geological risk, we are confident these 2 development wells will come in on budget and produce at or above the well type curves. With short tie-ins, our drill to on-stream time is extremely fast at 60-75 days including a short downtime for the Christmas holiday season."*



## Brooks Drilling Operations

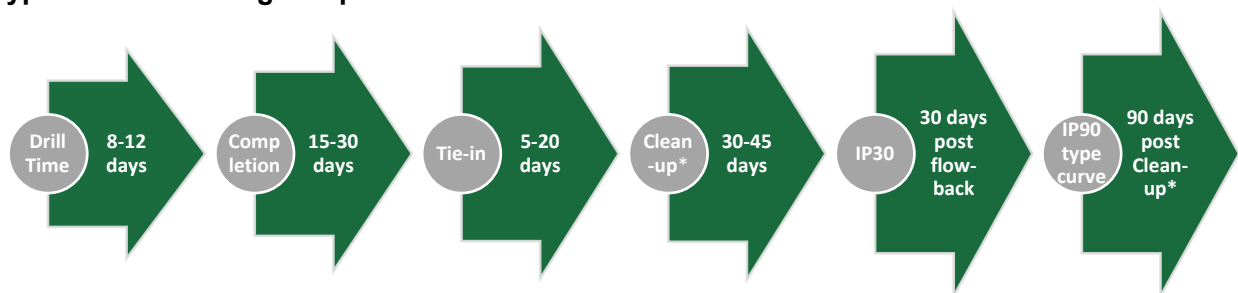
### Glauconitic Wells

The GLCC wells are hydraulic fracture stimulated horizontal wells. The true vertical depth (TVD) of the target GLCC zone is ~985m and the lateral length of the horizontal section for Pieces #1 will be ~1,400m whilst Pieces #2 will be ~3,050 meters. The GLCC zone is a shallower (younger) formation than Calima's core Sunburst conventional target. The combination of the shallow target depth, and short tie-in, results in an all-in cost estimate for each well to be C\$2.1 million on Pieces #1 and C\$2.9 million on Pieces #2.



Both wells are classified as development wells, as they are being drilled into existing GLCC oil pools, which have been delineated by existing GLCC wells, and 3D seismic.

### Typical GLCC drilling and production timeframes



\* Clean-up is the period that water and drilling fluids are recovered from the completion and at after which time commercial hydrocarbons begin to flow from the reservoir.

### Hedging Strategy

The Company will mitigate downside commodity price exposure for this 2 well drill program by executing West Texas Intermediate ("WTI") and Western Canada Select ("WCS") swap contracts for the next 12 months. This strategy will ensure the cost recovery of the capital program is secure and will allow for net cash flow to be recycled into future drilling programs over the coming months.

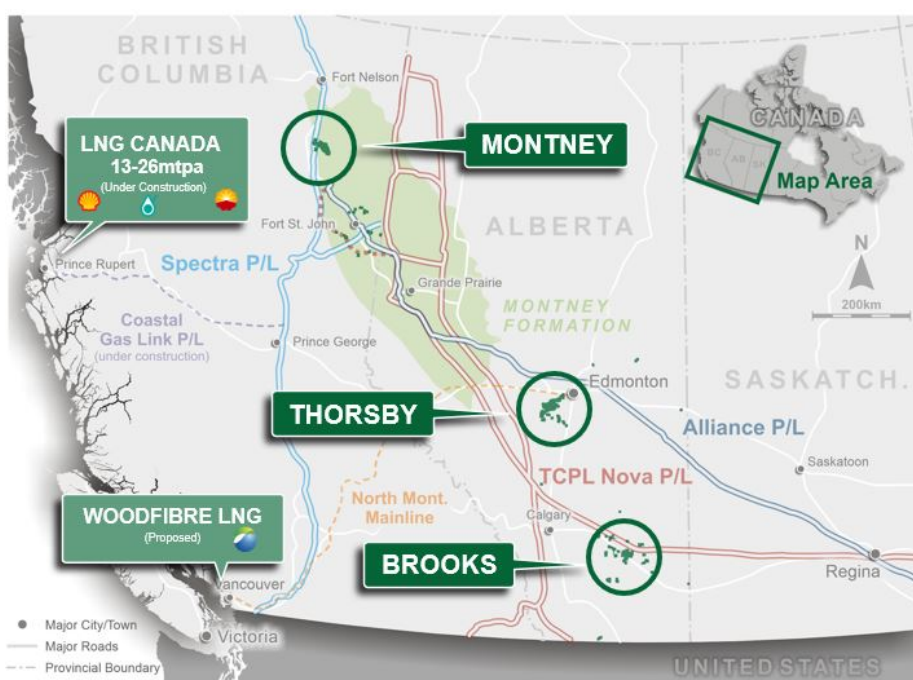


This release has been approved by the Board.

For further information visit [www.calimaenergy.com](http://www.calimaenergy.com) or contact:

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## Calima Assets



## Forward Looking Statements

This release may contain forward-looking statements. These statements relate to the Company's expectations, beliefs, intentions or strategies regarding the future. These statements can be identified by the use of words like "anticipate", "believe", "intend", "estimate", "expect", "may", "plan", "project", "will", "should", "seek" and similar words or expressions containing same. These forward-looking statements reflect the Company's views and assumptions with respect to future events as of the date of this release and are subject to a variety of unpredictable risks, uncertainties, and other unknowns. Actual and future results and trends could differ materially from those set forth in such statements due to various factors, many of which are beyond our ability to control or predict. These include, but are not limited to, risks or uncertainties associated with the discovery and development of oil and natural gas reserves, cash flows and liquidity, business and financial strategy, budget, projections and operating results, oil and natural gas prices, amount, nature and timing of capital expenditures, including future development costs, availability and terms of capital and general economic and business conditions. Given these uncertainties, no one should place undue reliance on any forward-looking statements attributable to Calima, or any of its affiliates or persons acting on its behalf. Although every effort has been made to ensure this release sets forth a fair and accurate view, we do not undertake any obligation to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise.

## Qualified petroleum reserves and resources evaluator statement

The petroleum reserves and resources information in this announcement in relation to Blackspur Oil Corp is based on, and fairly represents, information and supporting documentation in a report compiled by InSite Petroleum Consultants Ltd. (InSite) for the June 30, 2021 Reserves Report. InSite is a leading independent Canadian petroleum consulting firm registered with the

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Association of Professional Engineers and Geoscientists of Alberta. These reserves were subsequently reviewed by Mr. Graham Veale who is the VP Engineering with Blackspur Oil Corp. The InSite June 30, 2021 Reserves Report and the values contained therein are based on InSite's June 30, 2021 price deck (<https://www.insitepc.com/pricing-forecasts>). Mr. Veale holds a BSc. in Mechanical Engineering from the University of Calgary (1995) and is a registered member of the Alberta Association of Professional Engineers and Geoscientists of Alberta (APEGA). He has over 25 years of experience in petroleum and reservoir engineering, reserve evaluation, exploitation, corporate and business strategy, and drilling and completions. InSite and Mr. Veale have consented to the inclusion of the petroleum reserves and resources information in this announcement in the form and context in which it appears.

## Oil and Gas Glossary and Definitions

Term	Meaning
<b>Adjusted EBITDA:</b>	Adjusted EBITDA is calculated as net income (loss) before interest and financing expenses, income taxes, depletion, depreciation and amortisation, and adjusted to exclude certain non-cash, extraordinary and non-recurring items primarily relating to bargain purchase gains, gains and losses on financial instruments, transaction and advisory costs and impairment losses. Calima utilises adjusted EBITDA as a measure of operational performance and cash flow generating capability. Adjusted EBITDA impacts the level and extent of funding for capital projects investments or returning capital to shareholders.
<b>Adjusted working capital:</b>	Adjusted working capital is comprised of current assets less current liabilities on the Company's balance sheet and excludes the current portions of risk management contracts and credit facility draws. Adjusted working capital is utilised by Management and others as a measure of liquidity because a surplus of adjusted working capital will result in a future net cash inflow to the business which can be used for future funding, and a deficiency of adjusted working capital will result in a future net cash outflow which will require a future draw from Calima's existing funding capacity.
<b>ARO / Asset Retirement Obligation:</b>	the process of permanently closing and relinquishing a well by using cement to create plugs at specific intervals within a well bore
<b>Available funding:</b>	Available funding is comprised of adjusted working capital and the undrawn component of Blackspur's credit facility. The available funding measure allows Management and other users to evaluate the Company's liquidity.
<b>Credit Facility Interest:</b>	Borrowings under the Credit Facility incur interest at a market-based interest rate plus an applicable margin which varies depending on Blackspur's net debt to cash flow ratio. Interest charges are between 150 bps to 350 bps on Canadian bank prime borrowings and between 275 bps and 475 bps on Canadian dollar bankers' acceptances. Any undrawn portion of the demand facility is subject to a standby fee in the range of 20 bps to 45 bps. Security for the credit facility is provided by a C\$150 million demand debenture
<b>CO2e:</b>	carbon dioxide equivalent
<b>Conventional Well:</b>	a well that produces gas or oil from a conventional underground reservoir or formation, typically without the need for horizontal drilling or modern completion techniques
<b>Compression:</b>	a device or facility located along a natural gas pipeline that raises the pressure of the natural gas flowing in the pipeline, which in turn compresses the natural gas, thereby both increasing the effective capacity of the pipeline and allowing the natural gas to travel longer distances
<b>Corporate Decline:</b>	consolidated, average rate decline for net production from the Company's assets
<b>Exit Production:</b>	Exit production is defined as the average daily volume on the last week of the period
<b>Operating Income:</b>	Oil and gas sales net of royalties, transportation and operating expenses
<b>Financial Hedge:</b>	a financial arrangement which allows the Company to protect against adverse commodity price movements, the gains or losses of which flow through the Company's derivative settlements on its financial statements
<b>Free Cash Flow (FCF):</b>	represents Hedged Adjusted EBITDA less recurring capital expenditures, asset retirement costs and cash interest expense
<b>Free Cash Flow Yield:</b>	represents free cash flow as a percentage of the Company's total market capitalisation at a certain point in time
<b>Funds Flow:</b>	Funds flow is comprised of cash provided by operating activities, excluding the impact of changes in non-cash working capital. Calima utilises funds flow as a measure of operational performance and cash flow generating capability. Funds flow also impacts the level and extent of funding for investment in capital projects, returning capital to shareholders and repaying debt. By excluding changes in non-cash working capital from cash provided by operating activities, the funds flow measure provides a meaningful metric for Management and others by establishing a clear link between the Company's cash flows, income statement and operating netbacks from the business by isolating the impact of changes in the timing between accrual and cash settlement dates.
<b>Gathering &amp; Compression (G&amp;C):</b>	owned midstream expenses; the costs incurred to transport hydrocarbons across owned midstream assets
<b>Gathering &amp; Transportation (G&amp;T):</b>	third-party gathering and transportation expense; the cost incurred to transport hydrocarbons across third-party midstream assets
<b>G&amp;A:</b>	general and administrative expenses; may be represented by recurring expenses or non-recurring expense
<b>Hedged Adjusted EBITDA:</b>	EBITDA including adjustments for non-recurring and non-cash items such as gain on the sale of assets, acquisition related expenses and integration costs, mark-to-market adjustments related to the Company's hedge portfolio, non-cash equity compensation charges and items of a similar nature;
<b>Hyperbolic Decline:</b>	non-exponential with subtle multiple decline rates; hyperbolic curves decline faster early in the life of the well and slower as time increases
<b>LMR:</b>	The LMR (Liability Management Ratio) is determined by the Alberta Energy Regulator ("AER") and is calculated by dividing Blackspur's deemed assets by its deemed liabilities, both values of which are determined by the AER.
<b>LOE:</b>	lease operating expense, including base LOE, production taxes and gathering & transportation expense
<b>Midstream:</b>	a segment of the oil and gas industry that focuses on the processing, storing, transporting and marketing of oil, natural gas, and natural gas liquids
<b>Net Debt"</b>	Net debt is calculated as the current and long-term portions of Calima's credit facility draws, lease liabilities and other borrowings net of adjusted working capital. The credit facility draws are calculated as the principal amount outstanding converted to Australian dollars at the closing exchange rate for the period. Net debt is an important measure used by Management and others to assess the Company's liquidity by aggregating long-term debt, lease liabilities and working capital.
<b>NGL / Natural Gas Liquids:</b>	hydrocarbon components of natural gas that can be separated from the gas state in the form of liquids
<b>Net Debt/Adjusted EBITDA (Leverage)</b>	a measure of financial liquidity and flexibility calculated as Net Debt divided by Hedged Adjusted EBITDA

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Term	Meaning
<b>Net Revenue Interest:</b>	a share of production after all burdens, such as royalty and overriding royalty, have been deducted from the working interest. It is the percentage of production that each party actually receives
<b>Operating Costs:</b>	total lease operating expense (LOE) plus gathering & compression expense
<b>Operating Netback:</b>	Operating netback is calculated on a per boe basis and is determined by deducting royalties, operating and transportation from oil and natural gas sales, after adjusting for realised hedging gains or losses. Operating netback is utilised by Calima and others to assess the profitability of the Company's oil and natural gas assets on a standalone basis, before the inclusion of corporate overhead related costs. Operating netback is also utilised to compare current results to prior periods or to peers by isolating for the impact of changes in production volumes.
<b>Physical Contract:</b>	a marketing contract between buyer and seller of a physical commodity which locks in commodity pricing for a specific index or location and that is reflected in the Company's commodity revenues
<b>Promote:</b>	Production Taxes: state taxes imposed upon the value or quantity of oil and gas produced
<b>PDP/ Proved Developed Producing:</b>	an additional economic ownership interest in the jointly-owned properties that is conveyed cost-free to the operator in consideration for operating the assets
<b>PV10:</b>	a reserve classification for proved reserves that can be expected to be recovered through existing wells with existing equipment and operating methods
<b>RBL / Reserve Based Lending</b>	a standard metric utilised in SEC filings for the valuation of the Company's oil and gas reserves; the present value of the estimated future oil and gas revenues, reduced by direct expenses, and discounted at an annual rate of 10%
<b>Royalty Interest or Royalty:</b>	a revolving credit facility available to a borrower based on (secured by) the value of the borrower's oil and gas reserves
<b>Terminal decline:</b>	Interest in a leasehold area providing the holder with the right to receive a share of production associated with the leasehold area represents the steady state decline rate after early (initial) flush production
<b>tCO<sub>2</sub>:</b>	Tonnes of Carbon Dioxide
<b>Unconventional Well:</b>	a well that produces gas or oil from an unconventional underground reservoir formation, such as shale, which typically requires hydraulic fracturing to allow the gas or oil to flow out of the reservoir
<b>Upstream:</b>	a segment of the oil and gas industry that focuses on the exploration and production of oil and natural gas
<b>Working Capital Ratio:</b>	The working capital ratio as the ratio of (i) current assets plus any undrawn availability under the facility to (ii) current liabilities less any amount drawn under the facilities. For the purposes of the covenant calculation, risk management contract assets and liabilities are excluded.
<b>WI/ Working Interest:</b>	a type of interest in an oil and gas property that obligates the holder thereof to bear and pay a portion of all the property's maintenance, development, and operational costs and expenses, without giving effect to any burdens applicable to the property

Abbreviation	Abbreviation meaning	Abbreviation	Abbreviation meaning
1P	proved reserves	A\$ or AUD	Australian dollars
2P	proved plus Probable reserves	C\$ or CAD	Canadian dollars
3P	proved plus Probable plus Possible reserves	US\$ or USD	United states dollars
bbl or bbls	barrel of oil	(\$ thousands)	figures are divided by 1,000
boe	barrel of oil equivalent (1 bbl = 6 Mcf)	(\$ 000s)	figures are divided by 1,000
d	suffix – per day	Q1	first quarter ended March 31 <sup>st</sup>
GJ	gigajoules	Q2	second quarter ended June 30 <sup>th</sup>
mbbl	thousands of barrels	Q3	third quarter ended September 30 <sup>th</sup>
mboe	thousands of barrels of oil equivalent	Q4	fourth quarter ended December 31 <sup>st</sup>
Mcf	thousand cubic feet	YTD	year-to-date
MMcf	million cubic feet	YE	year-end
PDP	proved developed producing reserves	H1	six months ended June 30 <sup>th</sup>
PUD	Proved Undeveloped Producing	H2	six months ended December 31 <sup>st</sup>
C	Contingent Resources – 1C/2C/3C – low/most likely/high	B	Prefix – Billions
Net	Working Interest after Deduction of Royalty Interests	MM	Prefix - Millions
NPV (10)	Net Present Value (discount rate), before income tax	M	Prefix - Thousands
EUR	Estimated Ultimate Recovery per well	/d	Suffix – per day
WTI	West Texas Intermediate Oil Benchmark Price	bbl	Barrel of Oil
WCS	Western Canadian Select Oil Benchmark Price	boe	Barrel of Oil Equivalent (1bbl = 6 mscf)
1P or TP	Total Proved	scf	Standard Cubic Foot of Gas
2P or TPP	Total Proved plus Probable Reserves	Bcf	Billion Standard Cubic Foot of Gas
3P	Total Proved plus Probable plus Possible Reserves	tCO <sub>2</sub>	Tonnes of Carbon Dioxide
EBITDA	Earnings before interest, tax, depreciation, depletion and amortisation	OCF	Operating Cash Flow, ex Capex
Net Acres	Working Interest	E	Estimate
IP24	The peak oil production rate over 24 hours of production	CY	Calendar Year
IP30/90	Average oil production rate over the first 30/90 days		