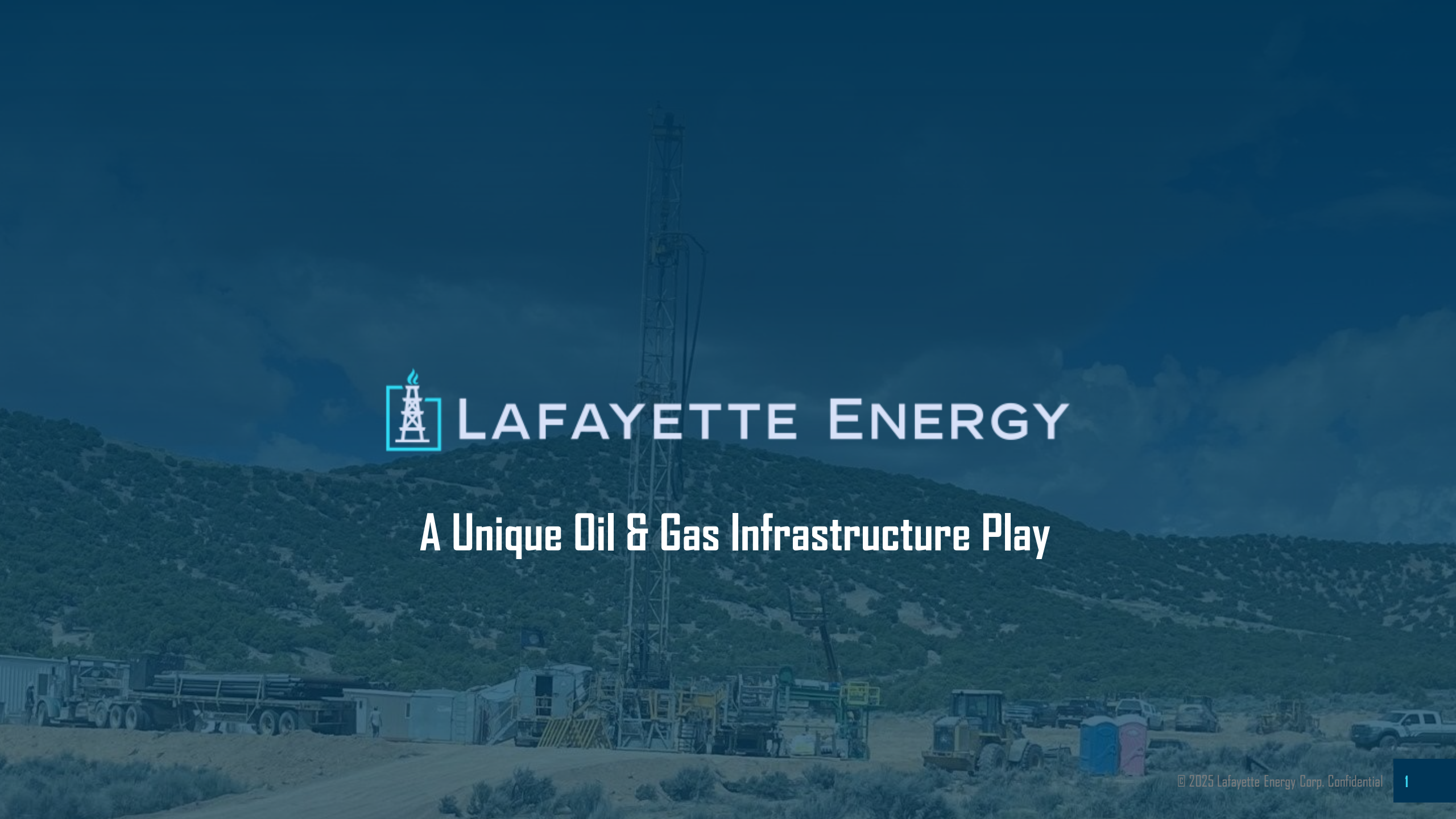


LAFAYETTE ENERGY

A Unique Oil & Gas Infrastructure Play

LAFAYETTE ENERGY

Company Presentation

February 2025

This presentation contains forward-looking statements regarding future events and the future results of Lafayette Energy Corp (the "Company") that are based on current expectations, estimates, forecasts, and projections about the industry in which the Company operates and the beliefs and assumptions of the management of the Company. Words such as "address", "anticipate", "believe", "consider", "continue", "develop", "estimate", "expect", "further", "goal", "intend", "may", "plan", "potential", "project", "seek", "should", "target", "will", variations of such words, and similar expressions are intended to identify such forward-looking statements. Such statements reflect the current views of the Company and its management with respect to future events and are subject to certain risks, uncertainties, and assumptions. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, the Company's actual results, performance, or achievements could differ materially from the results expressed in, or implied by, these forward-looking statements. This presentation has been prepared by the Company based on information it has obtained from sources it believes to be reliable. Summaries of documents contained in this presentation may not be complete. This presentation contains industry, market and competitive position data from our own internal estimates and research as well as industry and general publications and research surveys and studies conducted by third parties. Industry publications, studies and surveys generally state that they have been obtained from sources believed to be reliable, although they do not guarantee the accuracy or completeness of such information and have not paid for or commissioned any such information. Our internal data and estimates are based upon information obtained from trade and business organizations and other contacts in the markets in which we operate and our management's understanding of industry conditions. While we believe that each of these studies and publications is reliable, we have not independently verified market and industry data from third-party sources and have not paid for or commissioned any such information. While we believe our internal company research is reliable and the market definitions are appropriate, neither such research nor definitions have been verified by an independent source. The Company does not represent that the information herein is complete. The information in this presentation is current only as of February 2025 and the Company's business or financial condition and other information in this presentation may change after that date. The Company disclaims any obligation to publicly update or release any revisions to the information, future events or otherwise, after the date of this presentation or to reflect the occurrence of unanticipated events, except as required by law.

We have filed a registration statement (including a preliminary prospectus) with the SEC for the offering to which this communication relates. The registration statement has not yet become effective. This is a confidential document. Before you invest, you should read the prospectus which forms a part of that registration statement (including the risk factors described therein) and other documents that we have filed with the SEC for more complete information about us and the offering. We encourage you to read the registration statement and the prospectus in full for more detailed information on the statistics, reports anad studies referenced in this presentation.

You may access these documents for free by visiting EDGAR on the SEC website at Http:/www.SEC.Gov. Alternatively, we or any underwriter participating in this offering will arrange to send you the prospectus if you contact Michael Peterson, CEO at (720) 575-9481 or ThinkEquity 17 State Street, 41st Floor New York, NY 10004, attention Syndicate Desk or telephone (877) 436-3673.

General Disclaimer

This presentation shall not constitute an offer to sell or the solicitation of an offer to buy securities, nor shall there be any sale of securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction. This presentation may contain projected financial information with respect to the Company. Such projected financial information constitutes forward-looking information, and is for illustrative purposes only and should not be relied upon as necessarily being indicative of future results. The assumptions and estimates underlying such projected financial information are inherently uncertain and are subject to a wide variety of significant business, economic, competitive and other risks and uncertainties that could cause actual results to differ materially from those contained in the prospective financial information. Actual results may differ materially from the results contemplated by the projected financial information contained in this presentations, and the inclusion of such information in this presentation should not be regarded as a representation by any person that the results reflected in such projections will be achieved. The use of any third party trademarks, logos, service markets or trade names in this presentation is not a director or implied endorsement, sponsorship or recommendation of this investment by any such third party. This presentation may not be copied or reproduced in whole or in part. By accepting delivery of this presentation, you agree to these restrictions.

Oil & Gas Reserves (see specific Oil & Gas Disclaimer that follows)

Throughout this presentation, we provide information regarding oil and gas properties in which we have an interest. The reserves volumes in this presentation meet SEC criteria for disclosure as proved, probably or possible reserves and from the reserve report produced by Chapman Hydrogen and Petroleum LLC dated 12/31/24. Even though we have proved reserves, the areas that we decide to drill may not yield oil in commercial quantities or quality, or at all..

Oil Estimates, Production and Reserve Disclosure Disclaimers

The production outlook expectations set out in this presentation are considered forward-looking statements and represent management's good faith estimates or expectations of future production results as of the date hereof. The outlook is based upon certain assumptions, including, but not limited to, prices, drilling results, drilling costs and recoverability of hydrocarbons. Assumptions used for purposes of production outlook may prove to be incorrect and actual results may differ from those anticipated. The production outlook cannot be guaranteed. As such, investors are cautioned not to place undue reliance upon production outlook and forward-looking statements as there can be no assurance that the plans, assumptions, or expectations upon which they are placed will occur. Additionally, our production forecasts and expectations for future periods are dependent upon many assumptions, including estimates of production decline rates from existing wells and the undertaking and outcome of future drilling activity, which may be affected by significant commodity price declines or cost increases.
The reserves and PV-10 estimates discussed herein are based on a Reserve and Economic Evaluation Bitumen Property Report prepared for us by Chapman Hydrogen and Petroleum Engineering Ltd., as of December 31, 2024, with estimated valuation information based on "Strip Pricing" (commodity prices based on NYMEX, Henry Hub and WTI futures prices) as of 12/31/2024. We believe that the use of Strip Pricing provides useful information about our reserves, as the forward prices are based on the market's forward looking expectations of oil prices as of a certain date. Strip prices are not necessarily a projection of future oil prices or the values we may receive for the sale of oil. PV-10 is also not a substitute for the Standardized Measure of discounted future net cash flows. Neither PV-10 nor the Standardized Measure purport to represent the fair value of our oil and natural gas reserves.
Estimates for our future production volumes are based on assumptions of capital expenditure levels and the assumption that market demand and prices for oil and gas will continue at levels that allow for economic production of these products. The production, transportation, marketing and storage of oil are subject to disruption due to transportation, processing and storage availability, mechanical failure, human error, weather events and numerous other factors. Our estimates are based on certain other assumptions, such as well performance, which may vary significantly from those assumed. Therefore, we can give no assurance that our future production volumes will be as estimated.

The pre-tax present value discounted at 10%, or "PV-10," may be considered a non-Generally Accepted Accounting Principles (GAAP) financial measure. The GAAP financial measure most directly comparable to PV-10 is the standardized measure of discounted future net cash flows ("Standardized Measure"). PV-10 is a computation of the Standardized Measure on a pre-tax basis. PV-10 is equal to the Standardized Measure of discounted future net cash flows at the applicable date, before deducting future income taxes, discounted at 10 percent. We believe that the presentation of PV-10 is relevant and useful to investors because it presents the discounted future net cash flows attributable to our estimated net proved reserves prior to taking into account future corporate income taxes, and it is a useful measure for evaluating the relative monetary significance of our oil and natural gas properties. Further, investors may utilize the measure as a basis for comparison of the relative size and value of our reserves to other companies. We use this measure when assessing the potential return on investment related to our oil properties. PV-10, however, is not a substitute for the Standardized Measure of discounted future net cash flows. Neither PV-10 nor the Standardized Measure purport to represent the fair value of our oil reserves.

Reserve engineering is a process of estimating underground accumulations of hydrocarbons that cannot be measured in an exact way. The accuracy of any reserve estimate depends on the quality of available data, the interpretation of such data and price and cost assumptions made by reserve engineers. Reserves estimates included herein may not be indictive of the level of reserves or PV-10 value of oil and natural gas production in the future, as they are based on prices significantly higher than current commodity prices. In addition, the results of drilling, testing and production activities may justify revisions of estimates that were made previously. If significant, such revisions could impact the Company's strategy and change the schedule of any further production and development drilling. Accordingly, reserve estimates may differ significantly from the quantities of oil and natural gas that are ultimately recovered.

Offering Summary

Issuer:	Lafayette Energy Corp
Listing:	NYSE AMERICAN: LEC
Expected Offering Size:	$[X]
Shares Offered:	[X] shares of Common Stock (with 15% Over-allotment Option)
Expected Price Range:	$[X]
Use of Proceeds:	• $4,800,000 to begin development activities of at least 6 new wells in the Asphalt Ridge Acreage that are planned to be drilled within one quarter following the closing of this offering • $5,300,000 for working capital
Sole Book-Runner:	ThinkEquity

About Us

LAFAYETTE ENERGY

Lafayette Energy Corp ("LEC") is a Utah based Oil and Gas exploration company focused on developing the Asphalt Ridge, Uinta Basin, UT

Developing the Largest Tar-Sands Field in the United States

Proven Management & Operations Teams with decades of oil and gas experience

Differentiated Opportunity to Sell Premium Priced Bitumen Into the Asphalt Supply Chain

OUR TEAM

Experienced Management & Director Team

Frank C. Ingriselli

CHAIRMAN

- 42 years of international energy industry experience as leader and entrepreneur.
- President of Indonesia Energy Corporation (NYSE AMERICAN: INDO).
- Former founder, Chairman, and CEO of PEDEVCO Corp. (NYSE AMERICAN: PED) and Pacific Asia Petroleum, Inc.
- 23 years at Texaco, Inc. in senior executive positions, including President of Texaco Intl. responsible for over $50 billion of investments.
- Board member of the Eurasia Foundation.
- **Education:** B.S. in business administration from Boston University, M.B.A. from New York University and J.D. from Fordham University School of Law.

Michael L. Peterson

CEO & DIRECTOR

- 38 years of experience building growth companies
- Took first company public at age 27, raising $100 million.
- 11 years at Goldman Sachs & Co. managing a $7 billion asset portfolio. First Vice President at Merrill Lynch
- Managing Partner of a small-cap, early-stage focused Hedge Fund.
- CFO and later CEO of PEDEVCO Corp. (NYSE AMERICAN: PED) for over 7 years, engaged primarily in oil and natural gas shale plays in the United States.
- Has served as CEO, Chairman, or lead director of 5 listed energy companies,
- **Education:** M.B.A. from Brigham Young University's Marriott School of Management, Bachelor's degree in statistics/computer science from Brigham Young University.

Greg Overholtzer

CFO

- Chief Financial Officer of Trio Petroleum Oil (NYSE AMERICAN: TPET).
- Part- time Chief Financial Officer of Indonesia Energy Corp. (NYSE AMERICAN: INDO).
- Consulting Director of Ravix Consulting Group.
- Served as a Field Consultant in accounting at Resources Global Professionals.
- Served as Chief Financial Officer, Chief Accounting Officer and Controller of Pacific Energy Development (NYSE AMERICAN: PED).
- **Education:** MBA in Finance and BA in Zoology from University of California, Berkeley,

OUR TEAM

Director Nominees

Cynthia L. Welch

- Ms. Welch is a licensed Professional Geoscientist in Texas with over 20 years of experience in various depositional environments and basins.
- She has expertise in reservoir characterization, petrophysics, sequence stratigraphy, and project management.
- Ms. Welch is the co-founder of Cirrus Oil & Gas, Tier 1 Resource Partners III, and Tier 1 Resource Partners II, all of which are oil and gas companies focused on non-operated asset-level investments.
- She was previously Geoscience Manager at South Texas Reservoir Alliance and Senior Geologist at Citation Oil & Gas.
- Ms. Welch received her Bachelor of Science and Master's Degrees in Geophysics from Texas Tech University and is a member of the American Association of Petroleum Geologists.
- She was honored as one of Oil & Gas Investor Magazine's 25 Influential Women in Energy in 2019.
- Her extensive experience and geology background are expected to be valuable to the Board of Directors.

Andrew J. Secrist

- Mr. Secrist is currently the Managing Partner/Portfolio Manager with Firstlight Management, LP, a long/short equity hedge fund, and an adjunct professor of finance at the University of Utah.
- He was previously a Senior Analyst at Hawk Ridge Capital Management, where he managed a long/short equity strategy with $2 billion in capital.
- Mr. Secrist also served as the Managing Partner/Portfolio Manager of Sparrow Fund Management, a long/short equity hedge fund.
- He has experience as an Analyst and Portfolio Manager at Tiger Management, a hedge fund, and as an Associate with Leonard Green & Partners, a private equity firm.
- Mr. Secrist received a Bachelor of Arts in Business Economics from UCLA, a Master of Science degree in Financial Economics from Oxford University, and an MBA from Stanford Graduate School of Business.
- The Board of Directors believes that his extensive business, economic, and investment management experience makes him a highly qualified candidate for the Board of Directors.

Jeffrey Holt

- Mr. Holt is a retired investment banker, having spent 40 years with several Wall Street firms including Goldman Sachs, Morgan Stanley and the Bank of Montreal.
- He focused the last thirty years of his career on the Port and Goods Movement sector, advising dozens of buy and sell-side clients on container port assets and short line railroads
- Most recently, Mr. Holt represented Rio Tinto Alcan on their sale of waterfront land in Kitimat, BC to Royal Dutch Shell for their new LNG export facility.
- His banking successes include financings for Disney's California Adventure, the Seismic Retrofit for the Golden Gate Bridge, the new span of the Tacoma Narrows bridge, the expansion of the Rose Bowl, and expansions of over a dozen of the largest Container Ports in North America.
- Mr. Holt spent seven years as the Chairman of the Utah Transportation Commission and for six of those years sat on the Executive Committee of the Transportation Research Board of the National Academies of Science, Engineering and Medicine.
- Mr. Holt is a graduate of the University of Utah, and is licensed with the NYSE; Series 7, 63 and 79

OUR TEAM

Operations Team (Valkor)

Steven Byle

PRESIDENT

- Steven Byle is a highly successful executive in Energy. He has created, owned and/or operated companies with individual workforces over 1500-persons, individual gross revenues exceeding $500M, and individual valuations exceeding $1B US.
- He was previously the CTO of Dockwise BV, the leading heavy marine transport and construction company in the offshore oil industry that he brought from $70M to $235M EBITA within 4 years.
- He is cofounder of Valkor, a vertically integrated project development group in oil, gas, minerals, hydrogen, and carbon sequestration, our contract operator.
- He also sits on the boards of a select number of energy companies, such as Heavy Sweet Oil, having 20B bbls of oil in place; LiK Minerals, with 100M tons lithium reserves; Magnawatt, which is driving a large-scale geothermal and lithium project in Canada; and Hydrogenix, which is developing a novel solid hydrogen technology.
- Mr. Byle graduated from the University of Michigan School of Engineering with highest honors, summa cum laude. He later achieved his J.D. at the University of Texas School of Law, magna cum laude. He sits on the board of the Univ. of Michigan Engineering School.

Coby Crawford

CHIEF TECHNOLOGY OFFICER

- Mr. Crawford is a successful executive with deep technical, supervisory experience in process plant design associated primarily with the Oil & Gas Industry. He was worked with ExxonMobil, Conoco Phillips, Pemex, Marathon, and Duke Energy
- Mr. Crawford was a founder and CTO of our operator, Valkor, a vertically integrated midstream company in partnerships on oil & gas field developments. He served as Managing Partner for Technology of Audubon Engineering driving annual revenues and built a $300M revenue, 1,187 employee company; and co-founded and acted as CTO of Trailhead Engineering, a process engineering firm that grew from startup to a $140M revenue 150 employees company over 5 years.
- Mr. Crawford has extensive background in all major aspects of process design, project and business development, and project execution.
- His specialized knowledge includes: liquid/liquid extraction; compression; gas dehydration; gas treating; bulk acid gas removal; acid gas dehydration and injection; NGL fractionation; condensate stabilization; liquid hydrocarbon, gasoline, and LPG treating and dehydration; NGL and LPG extraction and LNG Liquefaction.
- He received his BS in Chemical Engineering from Texas Tech University and MBA from Houston Baptist University.

OUR TEAM

Technical Team

Brian McGregor

DRILLING ENGINEER

- Mr. McGregor is a Drilling, Completions and Workover Specialist with 40 years in oilfield management & engineering.
- He has worked in various onshore and offshore locations, including Alberta, BC, Quebec, NWT, Alaska, Italy, Egypt, Golan Heights, Brazil, Africa and Kazakhstan where he designed and implemented drilling, completion, and workover programs with as many as 8 rigs and 12 workover units.
- He has specialized AFE preparation, programing, analysis, engineering, procurement, logistics and daily operations supervision for horizontal applications, multistage completions, workovers, underbalanced drilling, tendering and new technologies.
- He has experience managing large development projects as Drilling and Completions Manager at Velvet Energy Ltd., Bellatrix Exploration Ltd., Canadian Forest Oil Ltd., Apache Canada Ltd., and drilling engineer at Westcoast Petroleum Ltd and Chevron Canada Ltd.
- He earned his Bachelor of Science in Mechanical Engineering at University of Calgary.

Dr. Doug Hamilton

CHIEF GEOLOGIST

- Dr. Hamilton is a world-renowned geologist with over forty years international experience in petroleum exploration.
- He has over 30 years as a reservoir geologist conducting fully integrated geological and engineering reservoir characterization projects in conventional and unconventional reservoirs (CSG & Shale).
- His specialist disciplines include petroleum exploration, sedimentology, sequence stratigraphy, basin analysis, subsurface stratigraphic mapping, play & facies analysis, and reservoir characterization from core & wireline log analysis and 3D seismic interpretation.
- At Pangaea Resources, Dr. Hamilton headed up the geological exploration and appraisal of the more than 40 million acres. In Eastern Venezuela he led a team in the integrated stratigraphic, structural, and engineering analysis and design of a highly successful horizontal well drilling program to develop the 2.8 billion barrel Arecuna heavy oil field.
- B.S. (Honours), Geology, University of Sydney, Australia, 1981
  Ph.D. Geology, University of Sydney, Australia, 1988
- He has received multiple awards and published over 70 technical articles

Asphalt Ridge

Negligible Sulfur

Very Low Wax

Asphalt Ridge

2,880 Acres

Lafayette Energy owns 80% Working interest in 960 acres and 100% working interest in 1,920 acres.

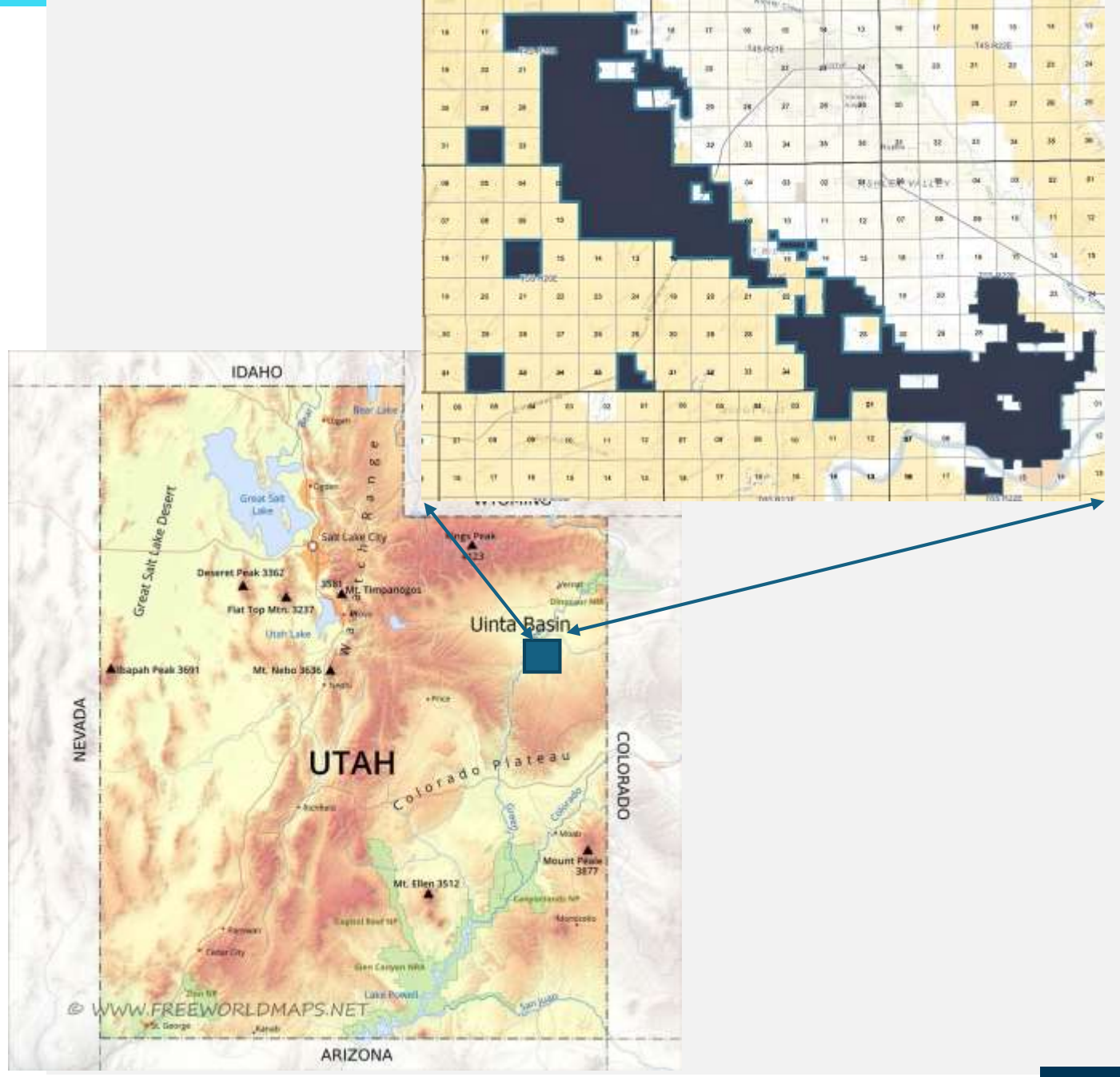
Phase 1 **= 240 Acres**

- Asphalt Ridge is located in the Uinta Basin – 3 Miles from Vernal, Utah
- Electricity, Natural Gas, and CO2 lines adjacent to project
- Cheap Electricity
- Unlimited CO2 available from Electricity Plant 40 miles away

Phases 2- 12 **= 2,640 Acres**

The project is contiguous acreage

- In total there are **twelve phases, each 240 acres**



Asphalt Ridge

Attractive Development Attributes

We Believe Utah's Rimrock Asset Offers Attractive Development Attributes

- ⟶ Low State Royalty Rate
- ⟶ Low Transportation Cost
- ⟶ Shallow wells = Less costly drilling costs
- ⟶ Attractive stimulation costs using Heat/Steam vs. Fracturing process

State	Play	Well Cost	Well Depth	State Royalty Rate	Transport Cost
Utah	Rimrock	~$0.8M	0.6-1.2k ft	8%	~$4/bbl
N.Dakota	Bakken	~$5.9M+	10k-19k ft	16.7 – 18.8%	~$10/bbl
Texas	Permian	~$2.6M+	9.5k ft	20-25%	~$8/bbl

Expected Well Economics

WELL COST
$800,000

RECOVERABLE OIL (EUR)
128,000 BOE

PRODUCED BO/DAY
40 bbls

DEPTH OF WELL
600-1,200 ft

COST PAYBACK
9 mos @ 40 bbl/Day

LAFAYETTE ENERGY

Asphalt Ridge

240 Acre Phase 1 Opportunity

Estimates from Reserve Report Prepared by Chapman Hydrogen & Petroleum Engineering*

14,350,200
Barrels of oil
(Proved + Probable + Possible)

$347.5 MM
Net Cash Flow
(Avg $75.59 BBL oil)

$154 MM
PV10 Net Cash Flow

240
Acres

12 x Phase 1
Company has 2,880 acres
(12 x 240 acres)

*The reserve report was prepared as of 12/31/24. The information above is detailed on pages 49 & 50 of the report and represents the estimated resrves of the company's 80% working interest in the Phase 1 acreage, not the working interest in the entire 2,880 acreage owned.

Asphalt Ridge

240 Acre Phase 1 Operations

First 2 Wells have been drilled showing average of ~250' of tar sands pay. Both wells produced at tests with down-hole heater.

Use downhole heater for first production and to open up formation, then steam and CO_2 for 22-year expected life of well

Heater manufacturer, after review of formation, estimated 40+ bbls/day expected production.

Business model uses 40 bbls/day expected production

Lafayette Energy – A Unique Oil & Gas Infrastructure Play

Our Business Model is Different

Current U.S. administration's push: Increase Domestic Production / Lower Oil Prices

- For oil producers, lower prices create uncertainty.
- Our focus remains on infrastructure—not oil price swings.
- Policy shifts toward infrastructure investment strengthens the demand for what we supply.

Bitumen is used for Asphalt / Infrastructure and is NOT tied directly to global oil price fluctuations but to supply & demand

Example: In April, 2020, WTI falls to $16.55 but Bitumen is priced at $76.31*

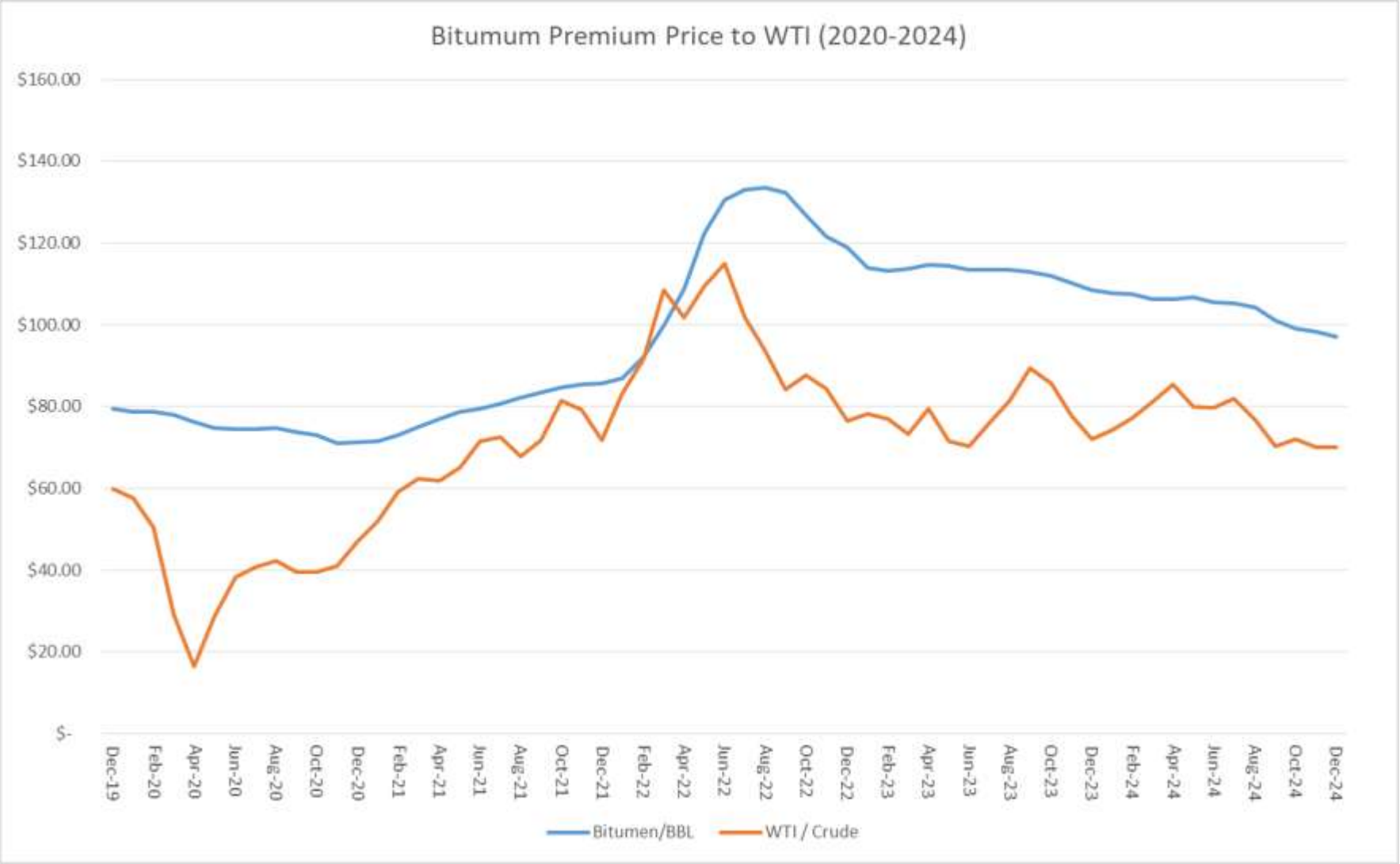
On Average Bitumen trades at a 138% premium to WTI Crude*

Key Points:

- We expect U.S. Infrastructure Spending to Grow: Reallocation of federal funds toward needed roads, bridges, and transportation projects,
- Infrastructure projects operate on multi-year funding cycles: Demand typically remains steady even as oil markets experience volatility.
- Canadian Tariffs Benefit Supply & Pricing: Majority of Bitumen now comes from Canada

*Sources: https://www.co-asphalt.com/asphalt-binder-cost?utm_source=chatgpt.com https://www.eia.gov/dnav/pet/tbldefs/pet_pnp_refp_tbldef2.asp#:~:text=It%20includes%20crude%20asphalt%20as,5.5%20barrels%20per%20short%20ton . https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=RWTC&f=M

Bitumen Price Premium Averages 138% of WTI Price



Bitumen Price Premium to WTI *(2020-2024)*	
AVG	147%
MEDIAN	138%
HI	461%
LO	92%

Sources:

1) https://www.co-asphalt.com/asphalt-binder-cost?utm_source=chatgpt.com
https://www.eia.gov/dnav/pet/tbldefs/pet_pnp_refp_tbldef2.asp#:~:text=It%20includes%20crude%20asphalt%20as,5.5%20barrels%20per%20short%20ton.
https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=RWTC&f=M

Typical Crude Oil Refining Steps:

Preparation & Separation

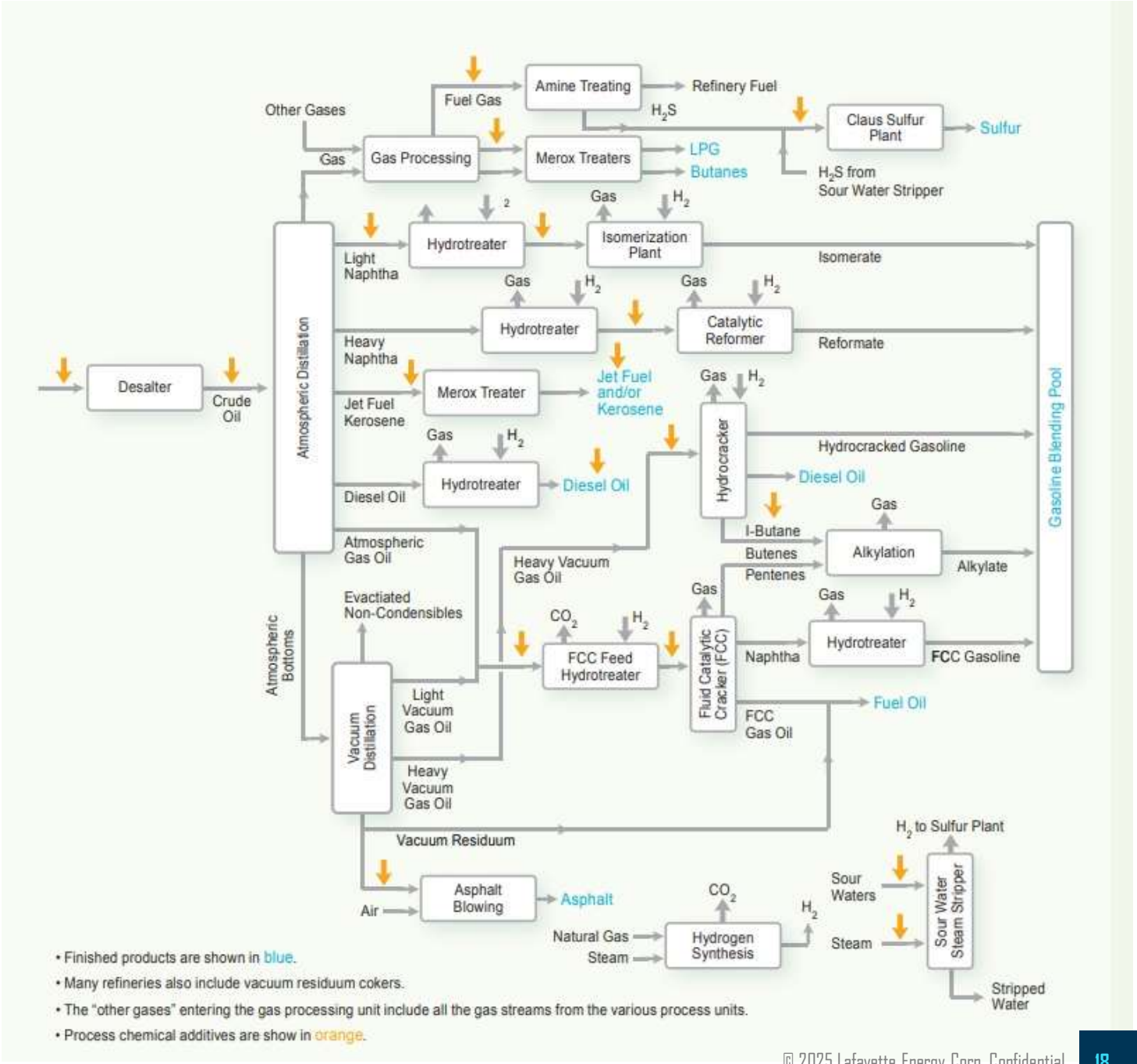
Heating: The crude oil is heated to break it down into its components.
Distillation: The crude oil is heated in a distillation column and separated into components based on their boiling points.

Conversion

Cracking: Larger hydrocarbons are broken down into smaller, more valuable ones.
Reforming: Heat, pressure, and a catalyst are used to upgrade naphthas into high octane petrol.
Isomerization: Straight-chained hydrocarbon molecules are converted to branch-chained molecules.

Treatment & Blending

Hydrotreating: A process that produces high quality base oils and small amounts of waste hydrocarbons.
Blending streams: Different streams, or "fractions", are blended into finished petroleum products.



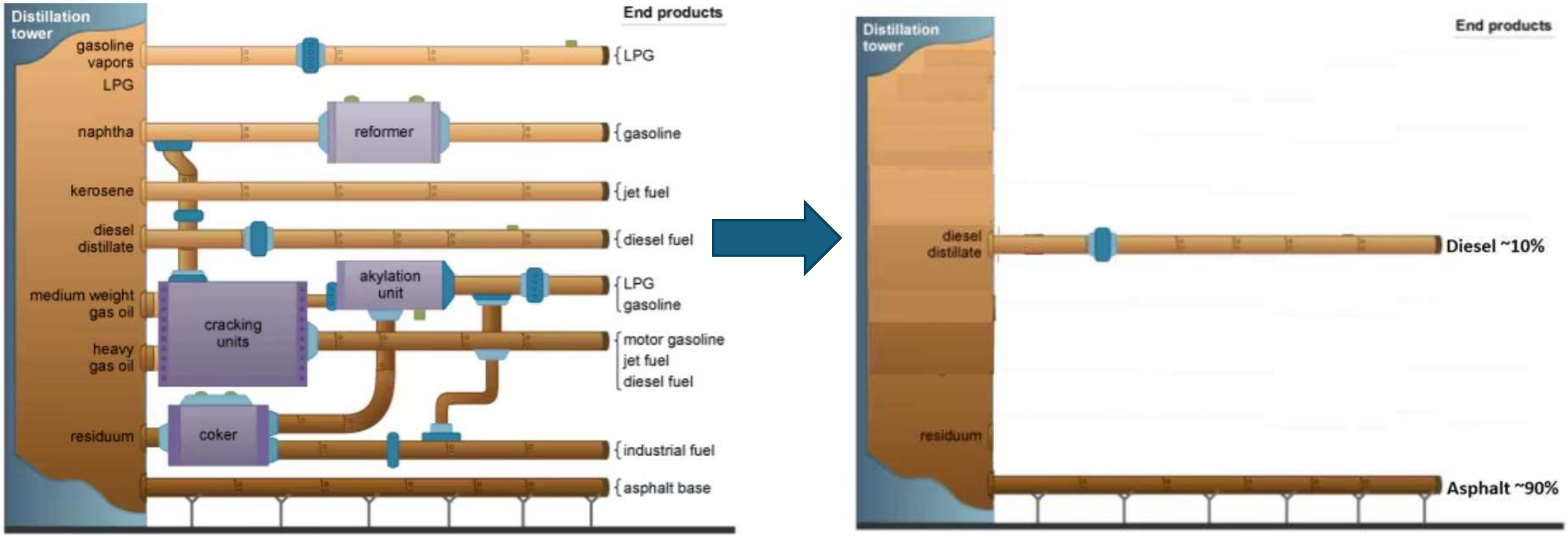
Source: https://www.buckman.com/wp-content/uploads/2018/04/108416-crude-oil_schematic.pdf

Our Bitumen Processing Requires only Two Steps:

Preparation & Separation

Heating: The Bitumen is heated to break it down into its components of Asphalt & Diesel

Distillation: The Bitumen is heated to 475 F in a distillation column and separated into Asphalt & Diesel



VIDEO:

https://drive.google.com/file/d/1gQSQgeUxLbsdjOgV1oYMZP6t7y4MhyuW/view?usp=sharing

Asphalt Ridge

Wells 1 & 2 Milestones

1st Well spud on May 10th, 2024
2nd Well spud on May 19th, 2024
Production Proved Aug 28th, 2024

Oil Seeps From Formation & Cores → **2 Wells Drilled & Heater Tested** → **Production Proved / Sent for Assay**




LAFAYETTE ENERGY

Asphalt Ridge

Multiple Offtake Opportunities

Bitumen for Asphalt

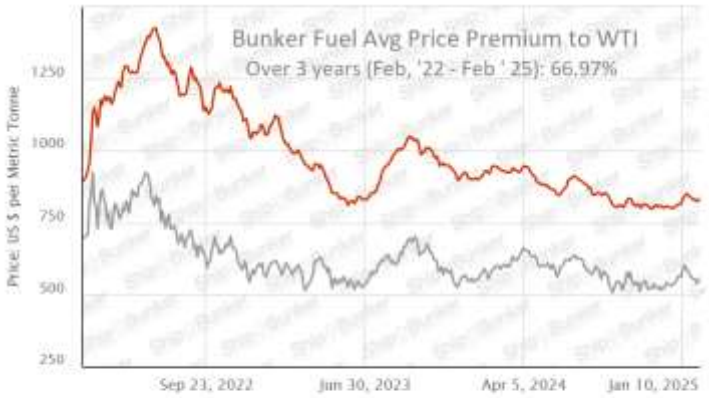
Avg. Price = ~138% of WTI

- Utah Refineries within 3 hours of Site
- No heated tankers needed
- Off-take agreement with Valkor for 5,000 bbl/day
- We estimate there is a 50,000 bbl/day demand within Utah for Bitumen

Marine Fuel

Avg. Price = ~167% of WTI

- With SOx and other regulations, Marine fuel is costing upwards of 200% of WTI
- Adding Glycerin and water and Quadrise process to this no-sulfur oil creates a marine fuel product



Source: https://shipandbunker.com/prices/av/global/av-gb-global-average-bunker-price#MGO

Feb 16, '22 - Feb 11, '25	High	Low	Average	Spread
Global Average Bunker Price - MGO	$1,427.00	$708.25	$992.50	$0.00
WTI - WTI	$926.21	$508.96	$828.00	$419.25

Bunker Fuel Premium to WTI - 66.97%

Heavy Oil sold at Market

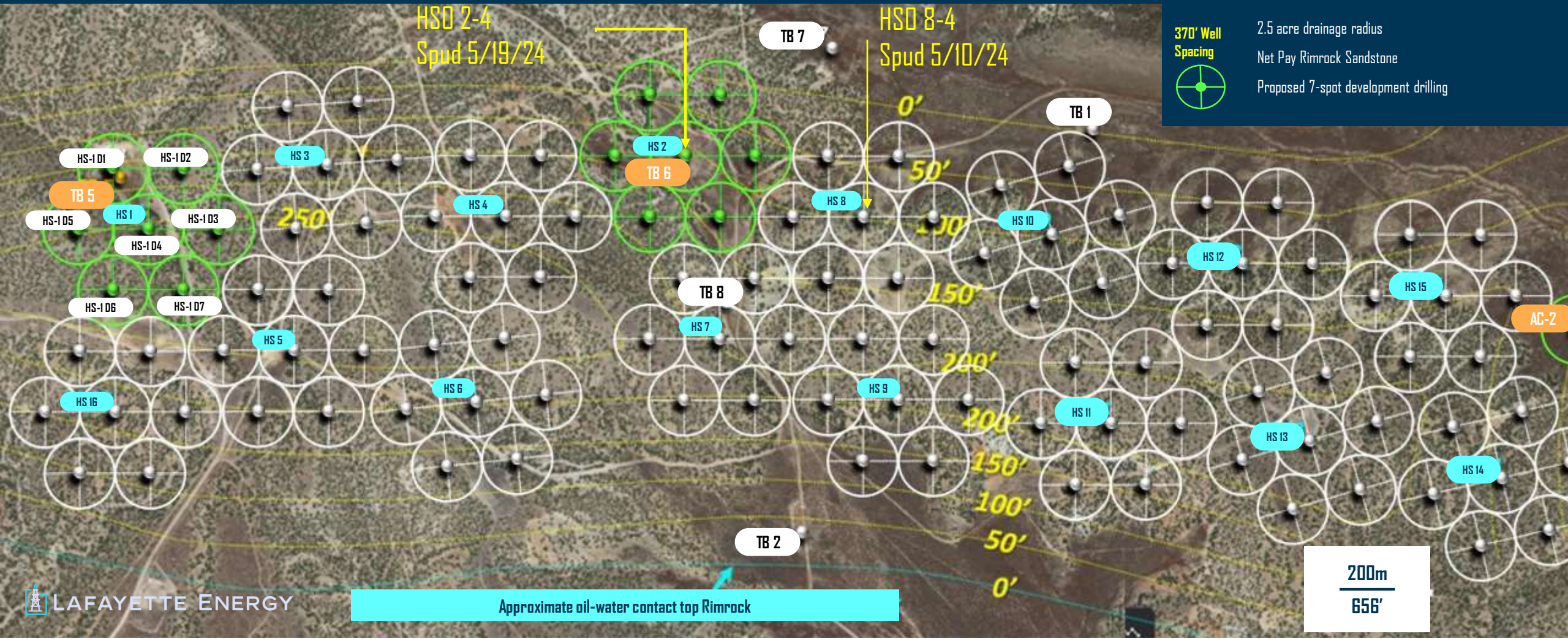
WTI

- Processed on Site
- Trucked/Rail to Local Refinery, Cushing, or LA refineries
- Transportation expected to be $10/bbl

Phase 1

119 Wells arranged in 7 well Hexagon Pads

Heavy Sweet Phase One Developed Area NW Asphalt Ridge



Asphalt Ridge

Development Plan & Extraction Methods

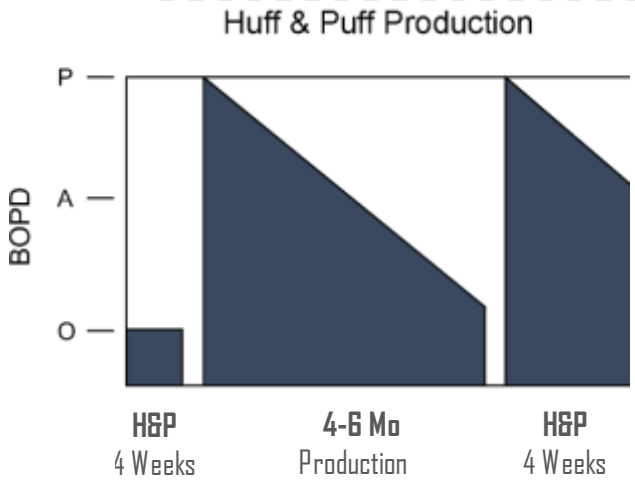
Proven Extraction Methods Used in Production

- **Downhole Heater is expected to provided consistent production vs. Huff & Puff**
  - 30' length / 50' heating radius = 70,000 bbls of oil
  - Plan is to Install Heaters in all 7 wells
  - Plan is to Remove Heaters after approximately 2 years
- **Cyclic Steam/CO_2 methods proven in extraction of heavy oil throughout world**
  - Huff & Puff as needed then…
  - Use steam in center well to heat 7 wells for balance of well life
- **Costs are dependent on cost of Natural Gas, Electricity, & CO_2 – all abundant and inexpensive in our project area**
  - $5 / bbl. Estimate for Heaters
  - $20-$25 / bbl. Estimate for Huff & Puff (used in model)

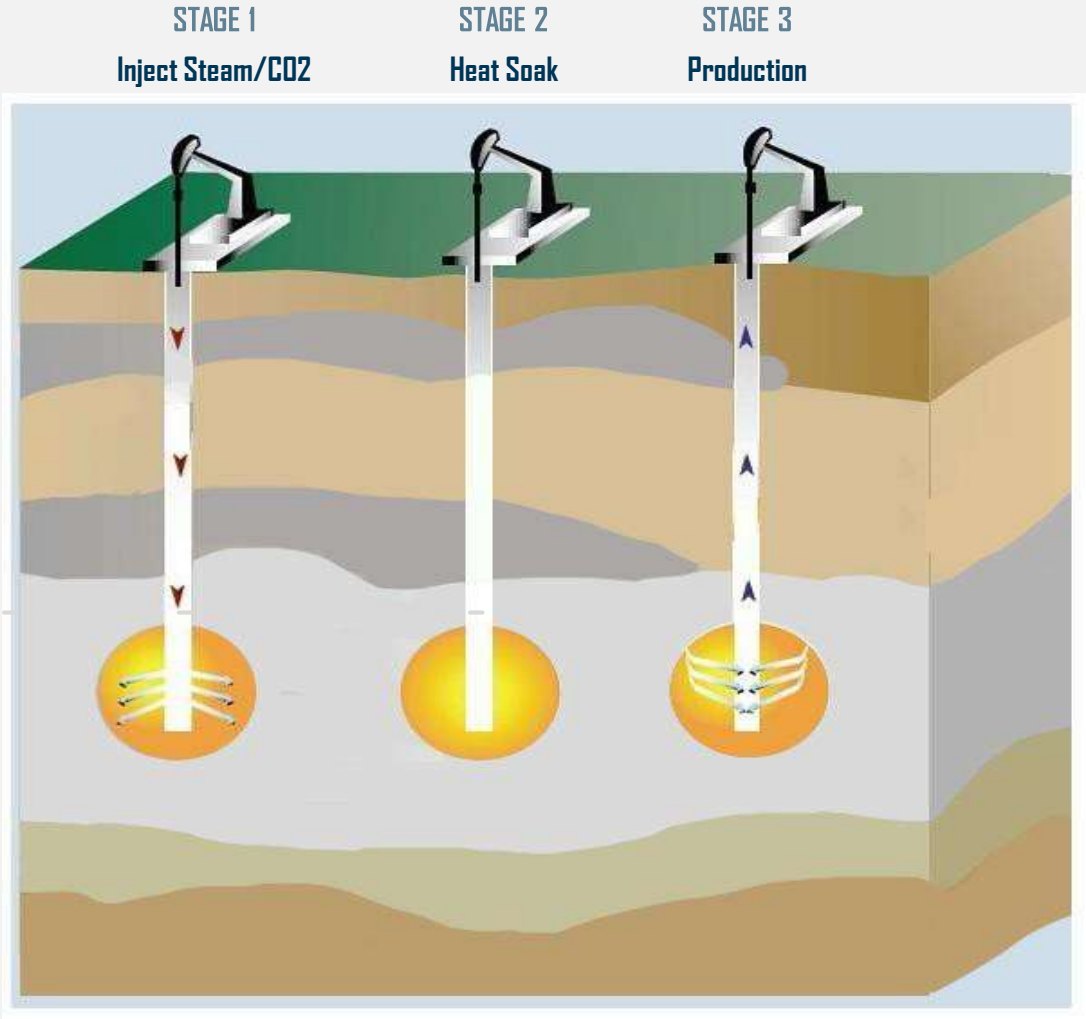
Cyclic Steam/CO2 Production Enhancement

Step 1 **Down-Hole Heater -> Huff and Puff Well Stimulation**

- Original production ("O") is multiplied by heating with steam with hot CO2 for 30 days then soaking over approximately 2-3 weeks.
- Warm oil with gas pressure multiplies production.
- Peak production ("P") can be 10 times the Original ("O") declining over 6 months.
- Providing an Average production ("A") about 3 times the Original ("O").



Huff & Puff Process



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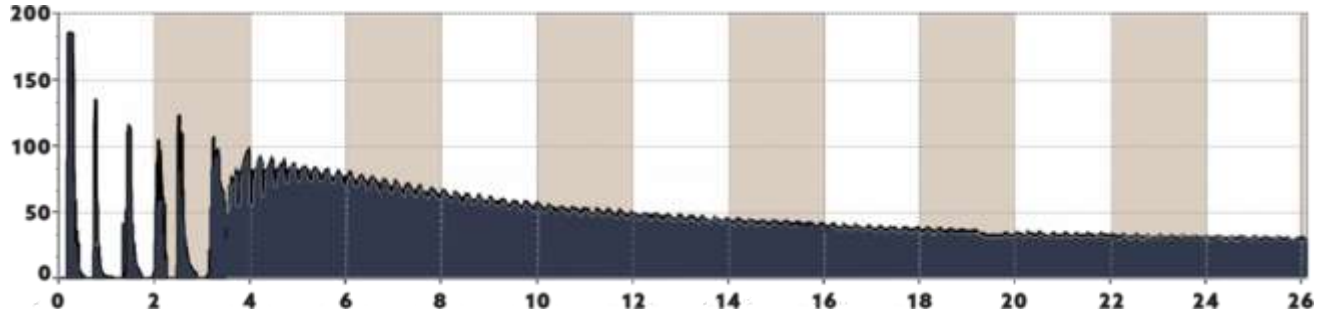
Cyclic Steam/CO2 Production Enhancement

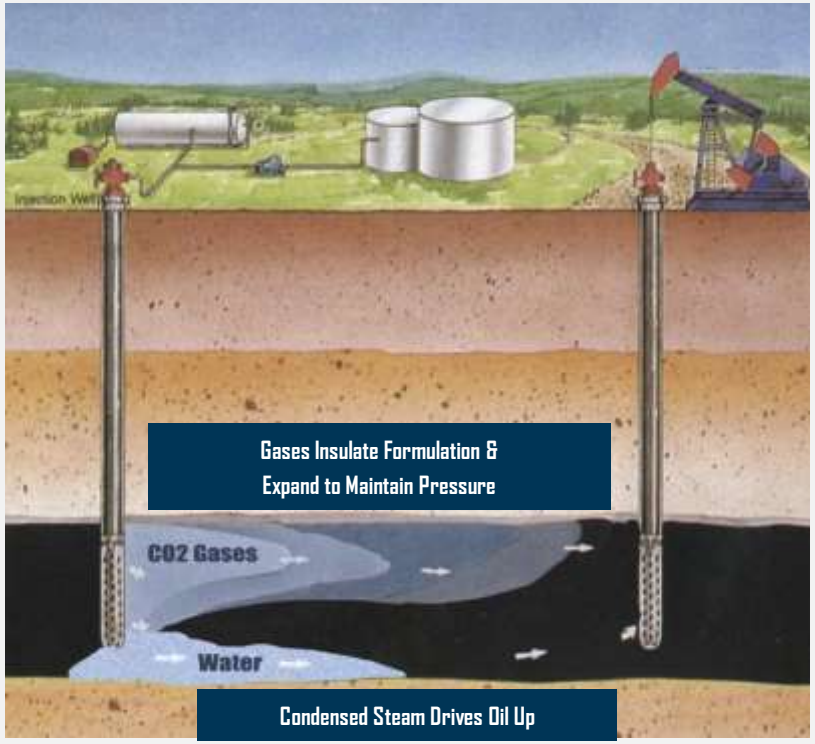
Step 2

Long Term Steam & CO2 Flood

- Production from conventional Huff and Puff typically yields approximately 15% of oil in place. [A]
- The goal of injecting steam with CO2 is to increase total production to as much as 60% while decreasing the decline between cycles. [B,D]
- Plan would be to convert to injection in only center well after 6 cycles (**or down-hole heater**) and with occasional steam to hold produced oil at temperature and continual production with goal to increase total production above 75% (proforma uses 40%) [C]



Continuous Steam/CO2 Process



a) "A Review of Steam Soak Operations in California", Babson and Burns, January 1969.

b) "Extraction of petroleum", Wikimedia Foundation, last modified November 4, 2023, 15:05, https://en.wikipedia.org/wiki/Extraction_of_petroleum.

c) "Huff- n-puff gas injection or gas flooding in tight oil reservoirs", Journal of Petroleum Science and Engineering, Tang & Sheng, January 2022.

d) "Quantitative study of C02 huff-n-puff enhanced oil recovery in tight formations using online NMR technology" Science Direct, Liu, Li, Tan, Liu, Zhao, and Wang, Journal of Petroleum Science and Engineering (July 2022).

Investment Strategy

Planned Fast Growth

Disclaimer:

Offtake agreements may not be available at 150% WTI. A RBL may not be able to be secured or at satisfactory rates. It will be impossible to determine how long it would take to recover total reserves because during the life of the well due to downhole or mechanical problems. In other words, we cannot guarantee the initial flow rate to depletion or operation cost to produce oil.

- **Drilled First 2 Wells**
  (May 10th & 19th, 2024)
- **Inserted Heaters & Refined Production Method (Sep-Feb)**

Use of Proceeds:

- **Drill 6+ Wells**
  Build Processing Facility
- **Develop Field with Cash flow, then RBL**

Plans and Goals:

→ 300 bbl. is expected to be used to be tested for Marine Fuel off-take agreements

→ Believe will need 3 months production of 3 wells to establish decline curve

→ Will seek to enter into Reserve Base Lending ("RBL") agreement to fund remainder of project

→ Goal is to drill total of 119 wells in Phase 1 in approx. 24 months

→ Plan is to repeat for all 12 Phases

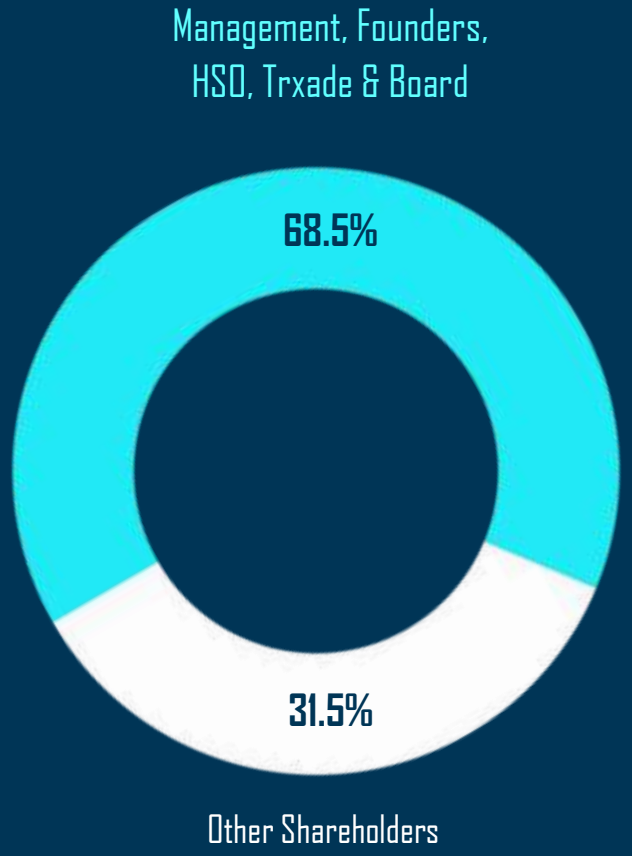
Pre-Offering Capitalization Table

Shares Outstanding	**18,603,289**
Options	**0**
Warrants	**0**
Fully Diluted Shares Outstanding*	**20,336,623**

*NOTE: Includes (i) 733,334 shares of restricted common stock that we plan to issue to our CEO (433,334 shares) and three non-employee directors (100,000 shares each) promptly following the closing of the IPO, and (ii) 1,000,000 shares of Series A Preferred stock owned by Trxade, Inc. as converted to 1,000,000 shares of common stock.

Summary Balance Sheet

	September 30, 2024
Total current assets	$ 1,932,532
Total assets	12,416,842
Current liabilities	366,273
Total liabilities	366,273
Total stockholders' equity (deficit)	12,050,569
Total liabilities and stockholders' equity	12,416,842



Lafayette Energy – A Unique Oil & Gas Infrastructure Play

Opportunity & Objective

- Be First to Develop the Largest U.S. Tar Sand
- Build an Industry Leading Company within 5 years
- Offering proceeds expected to provide runway for at least 6 new wells to be drilled within one quarter following the closing of offering

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