

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM S-3
REGISTRATION STATEMENT

UNDER
THE SECURITIES ACT OF 1933

Torchlight Energy Resources, Inc.

(Exact Name of Registrant as Specified in its Charter)

Nevada
(State or Other Jurisdiction of
Incorporation or Organization)

1311
(Primary Standard Industrial
Classification Code Number)

74-3237581
(I.R.S. Employer
Identification Number)

5700 W. Plano Parkway, Suite 3600
Plano, Texas 75093
(214) 432-8002

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

John A. Brda
President
5700 W. Plano Parkway, Suite 3600
Plano, Texas 75093
(214) 432-8002

(Name, Address, Including Zip Code, and Telephone Number, Including Area Code, of Agent for Service)

Copies to:
Robert D. Axelrod
Axelrod & Smith
5300 Memorial Drive, Suite 1000
Houston, Texas 77007
(713) 861-1996

Approximate Date of Commencement of Proposed Sale to the Public: From time to time after the effective date of this registration statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box:

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer
Non-accelerated filer

Accelerated filer
Smaller reporting company
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of Securities Act.

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities to be Registered	Amount to be Registered	Proposed Maximum Offering Price Per Share	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee (4)
Common Stock, par value \$0.001 per share	(1)(2)	(3)	(3)	N/A
Preferred Stock, par value \$0.001 per share	(1)(2)	(3)	(3)	N/A
Warrants	(1)(2)	(3)	(3)	N/A
Units	(1)(2)	(3)	(3)	N/A
Rights	(1)(2)	(3)	(3)	N/A
Total			\$60,000,000	\$6,954.00(5)

- (1) There is being registered hereunder an indeterminate number or amount of common stock and preferred stock, warrants to purchase common stock, units consisting of combinations of any of the foregoing or rights to purchase any of the foregoing as shall have an aggregate offering price not to exceed \$60,000,000. Any securities registered hereunder may be sold separately or as units with other securities registered hereunder. The proposed maximum initial offering price per unit will be determined, from time to time, by the registrant in connection with the issuance by the registrant of the securities registered hereunder. Pursuant to Rule 457(i), the securities registered also include such indeterminate number of shares of common stock and preferred stock as may be issued upon conversion of or exchange for preferred stock that provide for conversion or exchange, upon exercise of warrants or rights or pursuant to the anti-dilution provisions of any such securities.
- (2) Pursuant to Rule 416 under the Securities Act of 1933, as amended, this registration statement also registers a currently indeterminate number of additional shares of our common stock that may be issuable with respect to the shares being registered hereunder as a result of stock splits, stock dividends or similar transactions.
- (3) The proposed maximum aggregate offering price per class of security will be determined from time to time by the registrant in connection with the issuance by the registrant of the securities registered hereunder and is not specified as to each class of security pursuant to General Instruction II.D. of Form S-3 under the Securities Act
- (4) Calculated pursuant to Rule 457(o) under the Securities Act.
- (5) Pursuant to Rule 415(a)(6) under the Securities Act, the securities registered hereunder represent unsold securities previously registered by the registrant pursuant to the registration statement on Form S-3, Registration No. 333-220181 (the "Prior Shelf Registration Statement"), which was declared effective on September 28, 2017, that have not yet been sold. The Prior Registration Statement registered the offer and sale of the registrant's common stock, preferred stock, warrants, units and/or rights having an aggregate initial offering price not to exceed \$75,000,000, of which \$61,402,533 in securities remain unsold by the registrant as of the date of filing of this registration statement. To the extent that, after the filing date hereof and prior to the effectiveness of this registration statement, the registrant sells an amount in excess of \$1,402,533 of unsold securities pursuant to the Prior Registration Statement, the registrant will identify in a pre-effective amendment to this registration statement the updated amount of unsold securities from the Prior Registration Statement to be included in this registration statement pursuant to Rule 415(a)(6). Pursuant to Rule 415(a)(6), the offering of the unsold securities under the Prior Registration Statement will be deemed terminated as of the date of effectiveness of this registration statement. The filing fee of \$6,954.00 relating to the portion of the unsold securities under the Prior Registration Statement registered hereunder, which was paid under the Prior Registration Statement, will continue to be applied to the unsold securities registered pursuant to this registration statement and has been used to offset the entire amount in registration fees associated with this registration statement.

The registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until this Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not complete the offering and issue these securities until the registration statement filed with the Securities and Exchange Commission is effective. The prospectus is not an offer to sell these securities nor a solicitation of an offer to buy these securities in any jurisdiction where the offer and sale is not permitted.

Subject to Completion, Dated September 25, 2020

Prospectus



Torchlight Energy Resources, Inc.

\$60,000,000

COMMON STOCK
PREFERRED STOCK
WARRANTS
UNITS
RIGHTS

We may offer and sell the following securities from time to time in one or more classes or series and in amounts, at prices and on terms that we will determine at the time of the offering, with an aggregate offering price not to exceed \$60,000,000:

- shares of common stock;
- shares of preferred stock;
- warrants;
- units consisting of combinations of any of the foregoing; and/or
- rights to purchase any of the foregoing.

This prospectus provides you with a general description of these securities. Each time we will offer and sell them, we will provide their specific terms in a supplement to this prospectus. Such prospectus supplement may add, update, or change information contained in this prospectus. You should read this prospectus and the applicable prospectus supplement, as well as all documents incorporated by reference in this prospectus and any accompanying prospectus supplement, carefully before you invest in our securities. This prospectus may not be used to offer and sell securities, unless accompanied by a prospectus supplement.

We may offer the securities directly, through agents designated from time to time, to or through underwriters or dealers, or through a combination of these methods. If any agents or underwriters are involved in the sale of any of the securities, their names, and any applicable purchase price, fee, commission or discount arrangement between or among them, will be set forth, or will be calculable from the information set forth, in the applicable prospectus supplement. For more information on this topic, please see "Plan of Distribution."

Our common stock is listed on the NASDAQ Capital Market under the symbol "TRCH."

The aggregate market value of our outstanding common stock held by non-affiliates was approximately \$27.2 million, which was calculated based on 99,170,297 shares of outstanding common stock held by non-affiliates as of September 23, 2020, and a price per share of \$0.327, the closing price of our common stock on August 28, 2020. Pursuant to General Instruction I.B.6. of Form S-3, so long as our public float remains below \$75 million, in no event will we sell securities with a value of more than one-third of our public float in any 12-month period under the registration statement of which this prospectus is a part. During the 12 calendar month period that ends on, and includes, the date of this prospectus supplement (excluding this offering), we have offered and sold shares of our common stock at an aggregate sales price of \$6,984,967, under General Instruction I.B.6. of Form S-3.

Investing in any of our securities involves risk. Please see the "Risk Factors" section below for a discussion of certain risks that you should consider in connection with an investment in the securities.

NEITHER THE SECURITIES AND EXCHANGE COMMISSION NOR ANY STATE SECURITIES COMMISSION HAS APPROVED OR DISAPPROVED OF THESE SECURITIES OR PASSED UPON THE ADEQUACY OR ACCURACY OF THIS PROSPECTUS. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

The date of this prospectus is _____, 2020.

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission (“SEC”) utilizing what is commonly referred to as a shelf registration process. Under this shelf registration process, we may offer and sell any combination of the securities described in this prospectus in one or more offerings. This prospectus provides you with a general description of the securities we may offer. Each time we offer to sell securities, we will provide a prospectus supplement that will contain specific information about the terms of that offering and the securities offered by us in that offering. The prospectus supplement may also add, update, or change information contained in this prospectus. If there is any inconsistency between the information in this prospectus and a prospectus supplement, you should rely on the information provided in the prospectus supplement. This prospectus does not contain all of the information included in the registration statement. The registration statement filed with the SEC includes exhibits that provide more details about the matters discussed in this prospectus. You should carefully read this prospectus, the related exhibits filed with the SEC, and any prospectus supplement, together with the additional information described below under the heading “Where You Can Find Additional Information.”

You should rely only on the information contained, or incorporated by reference, in this prospectus and in any accompanying prospectus supplement. We have not authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not making an offer of the securities covered by this prospectus in any state where the offer is not permitted. You should assume that the information appearing in this prospectus, any prospectus supplement, and any other document incorporated by reference is accurate only as of the date on the front cover of the respective document. Our business, financial condition, results of operations, and prospects may have changed since those dates.

Under no circumstances should the delivery of this prospectus to you create any implication that the information contained in this prospectus is correct as of any time after the date of this prospectus.

Unless otherwise indicated, or unless the context otherwise requires, all references in this prospectus to “Torchlight,” “we,” “us,” and “our” mean Torchlight Energy Resources, Inc. and our consolidated subsidiaries. In this prospectus, we sometimes refer to the shares of common stock, shares of preferred stock, warrants, units and rights consisting of combinations of any of the foregoing collectively as the “securities.”

WHERE YOU CAN FIND ADDITIONAL INFORMATION

We file annual, quarterly and current reports, proxy statements and other documents with the SEC electronically. The SEC maintains an Internet site that contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC. You can access the electronic versions of these filings on the SEC’s website found at www.sec.gov.

We have filed with the SEC a registration statement on Form S-3 relating to the securities covered by this prospectus. This prospectus is a part of the registration statement and does not contain all the information in the registration statement. Whenever a reference is made in this prospectus to a contract, agreement or other document, the reference is only a summary and you should refer to the exhibits that are filed with, or incorporated by reference into, the registration statement for a copy of the contract, agreement or other document. You may review a copy of the registration statement at the SEC’s Public Reference Room in Washington, D.C., as well as on the SEC’s website.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The rules of the SEC allow us to “incorporate by reference” into this prospectus the information we file with the SEC, which means that we can disclose important information to you by referring you to that information. The information incorporated by reference is considered to be part of this prospectus, and later information that we file with the SEC will automatically update and supersede that information. We incorporate by reference the documents listed below:

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2019, filed with the SEC on March 16, 2020;
- our Quarterly Report on Form 10-Q for the quarter ended March 31, 2020, filed with the SEC on June 5, 2020, as subsequently amended by our Quarterly Report on Form 10-Q/A filed with the SEC on June 17, 2020, and our Quarterly Report on Form 10-Q for the quarter ended June 30, 2020, filed with the SEC on August 10, 2020;

- our Current Reports on Form 8-K, filed with the SEC on January 3, 2020, January 14, 2020, January 16, 2020, February 20, 2020, March 10, 2020, April 7, 2020, April 27, 2020, April 29, 2020, May 12, 2020, May 18, 2020, May 20, 2020, June 12, 2020, as subsequently amended by our Current Report on Form 8-K/A filed with the SEC on June 15, 2020, June 16, 2020, July 16, 2020, July 20, 2020, August 5, 2020, August 13, 2020 and September 23, 2020; and
- the description of our common stock, par value \$0.001 per share, contained in our registration statement on Form 8-A (Registration Statement No. 001-36247) filed with the SEC on December 13, 2013, including any amendment or report filed for the purpose of updating such description.

All documents filed by us pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (excluding any information furnished pursuant to Item 2.02 or Item 7.01, or any corresponding information furnished under Item 9.01, on any Current Report on Form 8-K) after the date of the initial registration statement and prior to the effectiveness of the registration statement and after the date of this prospectus and prior to the termination of each offering under this prospectus shall be deemed to be incorporated in this prospectus by reference and to be a part hereof from the date of filing of such documents.

Any statement contained in a document incorporated, or deemed to be incorporated, by reference in this prospectus shall be deemed modified, superseded, or replaced for purposes of this prospectus to the extent that a statement contained in this prospectus or in any subsequently filed document that also is, or is deemed to be incorporated, by reference in this prospectus modifies, supersedes, or replaces such statement. Any statement so modified, superseded, or replaced shall not be deemed, except as so modified, superseded, or replaced, to constitute a part of this prospectus.

We will provide without charge to each person, including any beneficial owner, to whom a copy of this prospectus is delivered, upon that person's written or oral request, a copy of any or all of the information incorporated by reference in this prospectus (other than exhibits to those documents, unless the exhibits are specifically incorporated by reference into those documents). Requests should be directed to:

John A. Brda, President
Torchlight Energy Resources, Inc.
5700 W. Plano Parkway, Suite 3600
Plano, Texas 75093
Telephone: (214) 432-8002
Email: john@torchlightenergy.com

You also may access these filings on our website at www.torchlightenergy.com. We do not incorporate the information on our website into this prospectus or any supplement to this prospectus and you should not consider any information on, or that can be accessed through, our website as part of this prospectus or any supplement to this prospectus (other than those filings with the SEC that we specifically incorporate by reference into this prospectus or any supplement to this prospectus).

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus, including information included or incorporated by reference in this prospectus or any supplement to this prospectus, include "forward-looking statements" within the meaning of Section 27A of the Securities Act and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. Forward-looking statements include, but are not limited to, statements regarding our or our management's expectations, hopes, beliefs, intentions or strategies regarding the future and other statements that are other than statements of historical fact. In addition, any statements that refer to projections, forecasts or other characterizations of future events or circumstances, including any underlying assumptions, are forward-looking statements. The words "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "might," "plan," "possible," "potential," "predict," "project," "should," "would" and similar expressions may identify forward-looking statements, but the absence of these words does not mean that a statement is not forward-looking.

The forward-looking statements in this prospectus and the documents incorporated by reference herein and therein are based upon various assumptions, many of which are based, in turn, upon further assumptions, including without limitation, management's examination of historical operating trends, data contained in our records, and other data available from third parties. While we believe such third-party information is reliable, we have not independently verified any third-party information and our internal data has not been verified by any independent source. Although we believe that these assumptions were reasonable when made, because these assumptions are inherently subject to significant uncertainties and contingencies which are difficult or impossible to predict and are beyond our control, we cannot assure you that we will achieve or accomplish these expectations, beliefs or projections, which speak only as of the date on which they are made. As a result, you are cautioned not to place undue reliance on these forward-looking statements.

In addition to these important factors and matters discussed elsewhere herein and in the documents incorporated by reference herein, important factors that, in our view, could cause actual results to differ materially from those discussed in the forward-looking statements include among other things:

- our future operating or financial results;
- our financial condition and liquidity, including our ability to pay amounts that we owe, obtain additional financing in the future to fund capital expenditures, acquisitions and other general corporate activities;
- our ability to continue as a going concern;
- our development of successful operations;
- the speculative nature of oil and gas exploration;
- the volatile price of oil and natural gas;
- the demand for oil and natural gas which demand could be materially affected by the economic impacts of COVID-19;
- the risk of incurring liability or damages as we conduct business operations due to the inherent dangers involved in oil and gas operations;
- our ability to rely on strategic relationships which are subject to change;
- the competitive nature of the oil and gas market;
- changes in governmental rules and regulations; and
- factors relating to the proposed business combination transaction with Metamaterial, Inc. in connection with the non-binding letter of intent entered into with Metamaterial on September 20, 2020, for which there can be no assurance that the parties will reach agreement on the terms of definitive agreements or that the proposed transaction will be completed as currently contemplated or at all; and
- other factors listed from time to time in registration statements, reports or other materials that we have filed with or furnished to the SEC, including the information under the “Risk Factors” sections of our Annual Report on Form 10-K for the year ended December 31, 2019, and our Quarterly Report on Form 10-Q for the three months ended June 30, 2020, which is incorporated by reference in this prospectus.

These factors and the other risk factors described in this prospectus and the documents incorporated by reference herein and therein are not necessarily all of the important factors that could cause actual results or developments to differ materially from those expressed in any of our forward-looking statements. Other unknown or unpredictable factors also could harm our results. Consequently, actual results or developments anticipated by us may not be realized or, even if substantially realized, that they may not have the expected consequences to, or effects on, us. Given these uncertainties, prospective investors are cautioned not to place undue reliance on such forward-looking statements.

We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law. If one or more forward-looking statements are updated, no inference should be drawn that additional updates will be made with respect to those or other forward-looking statements.

THE COMPANY

Overview

We are an energy company engaged in the acquisition, exploration, exploitation and/or development of oil and natural gas properties in the United States. We are primarily focused on the acquisition of early stage projects, the development and delineation of these projects, and then the monetization of those assets once these activities are completed.

Since 2010, our primary focus has been the development of interests in oil and gas projects we hold in the Permian Basin in West Texas, including the Orogrande Project in Hudspeth County, Texas, the Hazel Project in the Midland Basin and the project in Winkler County, Texas in the Delaware Basin. We also hold interests in certain other oil and gas projects that we are in the process of divesting, including the Hunton wells project as part of a partnership with Husky Ventures, Inc., or Husky, in central Oklahoma.

We employ a private equity model within a public platform, with the goal to (i) enter into a play at favorable valuations, (ii) “prove up” and delineate the play through committed capital and exhaustive geologic and engineering review, and (iii) monetize our position through an exit to public and private independents that can continue full-scale development. Rich Masterson, our consulting geologist, has originated several of our current plays, as discussed below, based on his tenure as a geologist since 1974. He is credited with originating the Wolfbone shale play in the Southern Delaware Basin of West Texas and has prepared prospects totaling over 150,000 acres that have been leased, drilled and are currently being developed by Devon Energy Corp., Occidental Petroleum Corporation, Noble Energy, and Samson Oil & Gas Ltd., among others.

In April 2018, we announced that we have commenced a process that could result in the monetization of the Hazel Project. Pursuant to our corporate strategy, in our opinion the development activity at the Hazel Project, coupled with nearby activities of other oil and gas operators, is indicative of this project having achieved a level of value that suggests monetization. We believe that the liquidity that would be provided from selling the Hazel Project could be used to pay off existing indebtedness and/or redeployed into the Orogrande Project. In August 2020, our subsidiaries entered into an option agreement with a third party (which was amended in September 2020), under which, in exchange for satisfying certain drilling obligations, the third party will have the option to purchase the entire Hazel Project by a date no later than May 31, 2021. There can be no assurance that this option will be exercised.

We are also currently marketing the Orogrande Project for an outright sale or farm in partner and are taking measures on our own to market the Winkler Project. These efforts are continuing.

We operate our business through five wholly-owned subsidiaries, Torchlight Energy, Inc., a Nevada corporation, Torchlight Energy Operating, LLC, a Texas limited liability company, Hudspeth Oil Corporation, a Texas corporation, Torchlight Hazel, LLC, a Texas limited liability company, and Warwink Properties, LLC, a Texas limited liability company. We currently have four full-time employees and we employ consultants for various tasks as needed.

Our principal executive offices are located at 5700 W. Plano Parkway, Suite 3600, Plano, Texas 75093. The telephone number of our principal executive offices is (214) 432-8002.

Letter of Intent with Metamaterial Inc. for Proposed Business Combination Transaction

On September 20, 2020, we entered into a non-binding letter of intent (“LOI”) with Metamaterial Inc., an Ontario business corporation headquartered in Nova Scotia, Canada (“Metamaterial”), for a proposed business combination transaction. Metamaterial is a developer of high-performance functional materials and nanocomposite products. The following is a summary of the key terms of the proposed transaction as contemplated by the LOI. The proposed transaction remains subject to completion of a due diligence review by each party and negotiation of definitive agreements and the structure may change due to tax or other transaction considerations. There can be no assurance that the parties will reach agreement on the terms of definitive agreements or that the proposed transaction will be completed as currently contemplated or at all.

- Torchlight to acquire Metamaterial through the issuance of common stock, such that at closing, the former equity holders of Torchlight are expected to hold 25% of the combined company (the “Combined Company”) with the former equity holders of Metamaterial owning the remaining 75%, and Metamaterial becoming a wholly-owned subsidiary of Torchlight.
- This ownership split assumes that the Combined Company has financing of \$10 million or more net of Torchlight’s debt prior to closing of the business combination (the “Torchlight Cash Threshold”).
- The Combined Company shall use its commercially reasonable efforts to cause the Torchlight oil and gas assets to be sold by June 30, 2021. Torchlight legacy shareholders will be entitled to a special dividend distribution of any values attributable to the sale of Torchlight’s existing oil and gas business assets (net of Torchlight’s debt, and closing expenses incurred in connection with such sale, subject to a 10% holdback to be held for a 12 month period to address any potential liabilities relating to the sale of the oil and gas assets of TRCH’s pre-closing business).
- The Combined Company, formerly known as Torchlight Energy Resources, Inc., will at closing focus its business to align with the current business of Metamaterial.
- Torchlight has loaned \$500,000 to Metamaterial pursuant to an unsecured convertible promissory note as described below under the subheading “Loan to Metamaterial Inc.,” and has agreed to loan an additional \$500,000 to Metamaterial within five days of signing the definitive agreement.
- Following the closing of the proposed transaction, the board of directors of the combined company shall be comprised of seven members, (a) one of whom shall be appointed by Torchlight, subject to the approval of Metamaterial and (b) one of whom shall be jointly agreed to by Metamaterial and Torchlight. Metamaterial shall appoint the five remaining members of the board, which members must include the required number of independent members to maintain the NASDAQ listing requirement.

- Metamaterial’s CEO, George Palikaras to be appointed CEO of the Combined Company, along with the appointment of a new CFO. Torchlight’s management is to remain in an advisory role focused on winding down the Torchlight legacy business and maximizing the value obtained from the divestiture of the Torchlight oil and gas assets.
- Pursuant to the LOI, both Torchlight and Metamaterial are prohibited from directly or indirectly soliciting or participating in any discussions regarding a sale of their business until November 2, 2020, unless extended in writing by both parties.

Entry into the above proposed transaction will be subject to satisfactory completion of due diligence by both parties, negotiation of a definitive agreement and audits of Torchlight and Metamaterial. If a definitive agreement is entered into, it is expected that the closing of a transaction will include customary closing conditions, including NASDAQ and Canadian Securities Exchange approval and approval by the shareholders of both companies, in addition to the closing conditions described above. There can be no assurances that a transaction will be consummated as a result of the LOI.

Loan to Metamaterial Inc.

On September 20, 2020, we loaned Metamaterial \$500,000, evidenced by an 8% Unsecured Convertible Promissory Note. The note bears interest at the rate of 8% per annum and provides for payment of the principal amount along with all accrued and unpaid interest in one lump sum payment on its maturity date of September 20, 2022. Metamaterial has the right to redeem after 120 days. The note is convertible at the price of \$0.35 (CAD) per share at the option of the holder if the definitive agreement for the proposed transaction between us and Metamaterial is not entered into by November 2, 2020 (unless extended in writing by the parties) or the definitive agreement is entered but is terminated or expires without closing.

Current Projects

Since 2010, our primary focus has been the development of interests in oil and gas projects we hold in the Permian Basin in West Texas. We also hold minor interests in certain other oil and gas projects in Central Oklahoma that we are in the process of divesting.

As of June 30, 2020, we had interests in four oil and gas projects: the Orogrande Project in Hudspeth County, Texas, the Hazel Project in Sterling, Tom Green, and Irion Counties, Texas, the Winkler Project in Winkler County, Texas and the wells in Central Oklahoma.

RISK FACTORS

Investing in our securities involves a high degree of risk. Before deciding to purchase any of our securities, you should carefully consider the discussion of risks and uncertainties:

- under the heading “Risk Factors” contained in our Annual Report on Form 10-K for the fiscal year that ended December 31, 2019 and our Quarterly Report on Form 10-Q for the three months ended June 30, 2020, which are incorporated by reference in this prospectus; and
- in any other place in this prospectus, any applicable prospectus supplement as well as in any document that is incorporated by reference in this prospectus.

Specifically, in connection with our non-binding letter of intent with Metamaterial (described under “The Company” section above), you should consider risks and uncertainties relating to the proposed business combination transaction, for which there can be no assurance that the parties will reach agreement on the terms of definitive agreements or that the proposed transaction will be completed as currently contemplated or at all.

See the section entitled “Where You Can Find Additional Information” in this prospectus. The risks and uncertainties we discuss in the documents incorporated by reference in this prospectus are those we currently believe may materially affect us. Additional risks and uncertainties that we do not presently know about or that we currently believe are not material may also adversely affect our business. If any of the risks and uncertainties described in this prospectus or the documents incorporated by reference herein actually occur, our business, financial condition and results of operations could be adversely affected in a material way. This could cause the trading price of the common stock to decline, perhaps significantly, and you may lose part or all of your investment.

USE OF PROCEEDS

Unless otherwise specified in an accompanying prospectus supplement, we expect to use the net proceeds from the sale of the securities offered by this prospectus and any accompanying prospectus supplement for general corporate purposes, which may include, among other things:

- reduction or refinancing of debt or other corporate obligations;
- additions to our working capital;
- capital expenditures; and
- potential future acquisitions or strategic transactions.

Any specific allocation of the net proceeds of an offering of securities to a specific purpose will be determined at the time of the offering and will be described in an accompanying prospectus supplement. We may invest funds not required immediately for these purposes in marketable securities and short-term investments. The precise amount and timing of the application of these proceeds will depend upon our funding requirements and the availability and cost of other funds. We have not determined the amounts we plan to spend on the areas listed above or the timing of these expenditures. As a result, our management will have broad discretion to allocate the net proceeds of any offering.

PLAN OF DISTRIBUTION

We may sell the securities offered by this prospectus and applicable prospectus supplements in one or more of the following ways from time to time:

- through underwriters or dealers;
- through agents;
- directly to purchasers, including institutional investors and our affiliates;
- through a combination of any such methods of sale; or
- through any other methods described in a prospectus supplement.

Any such underwriter, dealer, or agent may be deemed to be an underwriter within the meaning of the Securities Act.

The applicable prospectus supplement relating to the securities will set forth:

- the offering terms, including the name or names of any underwriters, dealers, or agents;
- the purchase price of the securities and the estimated net proceeds to us from such sales;
- any underwriting discounts, commissions, and other items constituting compensation to underwriters, dealers, or agents;
- any initial public offering price, if applicable;
- any discounts or concessions allowed or reallocated or paid by underwriters or dealers to other dealers;
- any delayed delivery arrangements; and
- any securities exchanges on which the securities may be listed.

If underwriters or dealers are used in the sale, the securities will be acquired by the underwriters or dealers for their own account and may be resold from time to time in one or more transactions:

- at a fixed price or prices, which may be changed;
- at market prices prevailing at the time of sale;
- at prices related to such prevailing market prices; or
- at negotiated prices.

The securities may be offered to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more of such firms. Unless otherwise stated in an applicable prospectus supplement, the obligations of underwriters or dealers to purchase the securities will be subject to certain customary closing conditions and the underwriters or dealers will be obligated to purchase all the securities if any of the securities are purchased. Any public offering price and any discounts or concessions allowed or reallocated or paid by underwriters or dealers to other dealers may be changed from time to time.

Securities may be sold directly by us, or through agents designated by us, from time to time. Any agent involved in the offer or sale of the securities in respect of which this prospectus and a prospectus supplement is delivered will be named, and any commissions payable by us to such agent will be set forth, in the prospectus supplement. Unless otherwise indicated in the prospectus supplement, any such agent will be acting on a best efforts basis for the period of its appointment. Any agent selling the securities covered by this prospectus may be deemed to be an underwriter as that term is defined in the Securities Act.

If so indicated in the prospectus supplement, we will authorize underwriters, dealers, or agents to solicit offers from certain specified institutions to purchase securities from us at the public offering price set forth in the prospectus supplement pursuant to delayed delivery contracts providing for payment and delivery on a specified date in the future. Such contracts will be subject to any conditions set forth in the prospectus supplement and the prospectus supplement will set forth the commission payable for solicitation of such contracts. The underwriters and other persons soliciting such contracts will have no responsibility for the validity or performance of any such contracts.

Underwriters, dealers, and agents may be entitled under agreements entered into with us to be indemnified by us against certain civil liabilities, including liabilities under the Securities Act, or to contribution by us to payments which they may be required to make. The terms and conditions of such indemnification will be described in an applicable prospectus supplement. Underwriters, dealers, and agents may be customers of, engage in transactions with, or perform services for us in the ordinary course of business.

Each class or series of securities will be a new issue of securities with no established trading market, other than the common stock, which is listed on NASDAQ. We may elect to list any other class or series of securities on any exchange, other than the common stock, but we are not obligated to do so. Any underwriters to whom securities are sold by us for public offering and sale may make a market in such securities, but such underwriters will not be obligated to do so and may discontinue any market making at any time without notice. No assurance can be given as to the liquidity of the trading market for any securities.

Certain persons participating in any offering of securities may engage in transactions that stabilize, maintain or otherwise affect the price of the securities offered in accordance with Regulation M under the Exchange Act. In connection with any such offering, the underwriters or agents, as the case may be, may purchase and sell securities in the open market. These transactions may include over-allotment and stabilizing transactions and purchases to cover syndicate short positions created in connection with the offering. Stabilizing transactions consist of certain bids or purchases for the purpose of preventing or retarding a decline in the market price of the securities; and syndicate short positions involve the sale by the underwriters or agents, as the case may be, of a greater number of securities than they are required to purchase from us, as the case may be, in the offering. The underwriters may also impose a penalty bid, whereby selling concessions allowed to syndicate members or other broker-dealers for the securities sold for their account may be reclaimed by the syndicate if such securities are repurchased by the syndicate in stabilizing or covering transactions. These activities may stabilize, maintain, or otherwise affect the market price of the securities, which may be higher than the price that might otherwise prevail in the open market, and if commenced, may be discontinued at any time. These transactions may be effected on NASDAQ, in the over-the-counter market or otherwise. These activities will be described in more detail in the sections entitled "Plan of Distribution" or "Underwriting" in the applicable prospectus supplement.

The prospectus supplement or pricing supplement, as applicable, will set forth the anticipated delivery date of the securities being sold at that time.

DESCRIPTION OF COMMON AND PREFERRED STOCK

The following is a description of certain provisions relating to our capital stock. For additional information regarding our stock, please refer to our Articles of Incorporation (as amended) and our Amended and Restated Bylaws (“Bylaws”), all of which have previously been filed with the SEC.

General

Our authorized capital stock consists of 150,000,000 shares of common stock, par value \$0.001 per share, and 10,000,000 shares of preferred stock, par value \$0.001 per share. As of September 24, 2020, there were approximately 99,170,297 shares of common stock outstanding, and no shares of preferred stock designated or outstanding. Additionally, we currently have warrants, stock options, convertible promissory notes and unvested stock outstanding that is exercisable or convertible into a total of approximately 26.8 million shares of common stock.

Common Stock

The rights of all holders of the common stock are identical in all respects. Each stockholder is entitled to one vote for each share of common stock held on all matters submitted to a vote of the stockholders. The holders of the common stock are entitled to receive ratably such dividends, if any, as may be declared by the Board of Directors out of legally available funds. The current policy of the Board of Directors, however, is to retain earnings, if any, for reinvestment.

Upon liquidation, dissolution or winding up of the Company, the holders of the common stock are entitled to share ratably in all aspects of the Company that are legally available for distribution, after payment of or provision for all debts and liabilities and after payment to the holders of preferred stock, if any. The holders of the common stock do not have preemptive subscription, redemption or conversion rights under our Articles of Incorporation. Cumulative voting in the election of Directors is not permitted. There are no sinking fund provisions applicable to the common stock. The outstanding shares of common stock are validly issued, fully paid and nonassessable.

The transfer agent for our common stock is American Stock Transfer & Trust Company, LLC.

Our common stock is listed on the NASDAQ Capital Market under the symbol “TRCH.”

Preferred Stock

Our Board of Directors can, without approval of our stockholders, issue one or more series of preferred stock and determine the number of shares of each series and the rights, preferences, and limitations of each series. The following description of the terms of the preferred stock sets forth certain general terms and provisions of our authorized preferred stock. If we offer preferred stock, a more specific description will be filed with the SEC, and the designations and rights of such preferred stock will be described in a prospectus supplement, including the following terms:

- the series, the number of shares offered, and the liquidation value of the preferred stock;
- the price at which the preferred stock will be issued;
- the dividend rate, the dates on which the dividends will be payable, and other terms relating to the payment of dividends on the preferred stock;
- the liquidation preference of the preferred stock;
- the voting rights of the preferred stock;
- whether the preferred stock is redeemable, or subject to a sinking fund, and the terms of any such redemption or sinking fund;
- whether the preferred stock is convertible, or exchangeable for any other securities, and the terms of any such conversion or exchange; and
- any additional rights, preferences, qualifications, limitations, and restrictions of the preferred stock.

The description of the terms of the preferred stock that will be set forth in an applicable prospectus supplement will not be complete and will be subject to and qualified in its entirety by reference to the certificate of designation relating to the applicable series of preferred stock. The registration statement, of which this prospectus forms a part, will include the certificate of designation as an exhibit or incorporate it by reference.

Undesignated preferred stock may enable our board of directors to render more difficult or to discourage an attempt to obtain control of us by means of a tender offer, proxy contest, merger, or otherwise and to thereby protect the continuity of our management. The issuance of shares of preferred stock may adversely affect the rights of the holders of our common stock. For example, any preferred stock issued may:

- rank prior to our common stock as to dividend rights, liquidation preference, or both;
- have full or limited voting rights; and
- be convertible into shares of common stock.

As a result, the issuance of shares of preferred stock may:

- discourage bids for our common stock; or
- otherwise adversely affect the market price of our common stock or any then existing preferred stock.

Any preferred stock will, when issued, be fully paid and non-assessable.

Anti-Takeover Provisions

Our Bylaws and Nevada law include certain provisions which may have the effect of delaying or deterring a change in control or in our management or encouraging persons considering unsolicited tender offers or other unilateral takeover proposals to negotiate with our board of directors rather than pursue non-negotiated takeover attempts. These provisions include authorized blank check preferred stock, restrictions on business combinations, and the availability of authorized but unissued common stock.

DESCRIPTION OF WARRANTS

We may issue warrants to purchase equity securities. Warrants may be issued independently or together with any other securities and may be attached to, or separate from, such securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and any warrant agent. The terms of any warrants to be issued and a description of the material provisions of the applicable warrant agreement will be set forth in the applicable prospectus supplement.

The applicable prospectus supplement will specify the following terms of any warrants in respect of which this prospectus is being delivered:

- the title of such warrants;
- the aggregate number of such warrants;
- the price or prices at which such warrants will be issued;
- any changes or adjustments to the exercise price;
- the securities or other rights, including rights to receive payment in cash or securities based on the value, rate, or price of one or more specified commodities, currencies, securities, or indices, or any combination of the foregoing, purchasable upon exercise of such warrants;
- the price at which, and the currency or currencies in which the securities or other rights purchasable upon exercise of, such warrants may be purchased;
- the date on which the right to exercise such warrants shall commence and the date on which such right shall expire;
- if applicable, the minimum or maximum amount of such warrants that may be exercised at any one time;

- if applicable, the designation and terms of the securities with which such warrants are issued and the number of such warrants issued with each such security;
- if applicable, the date on and after which such warrants and the related securities will be separately transferable;
- information with respect to book-entry procedures, if any;
- if applicable, a discussion of any material United States federal income tax considerations; and
- any other terms of such warrants, including terms, procedures and limitations relating to the exchange and exercise of such warrants.

DESCRIPTION OF UNITS

As specified in the applicable prospectus supplement, we may issue units consisting of one or more shares of common stock, shares of preferred stock, or warrants or any combination of such securities.

The applicable prospectus supplement will specify the following terms of any units in respect of which this prospectus is being delivered:

- the terms of the units and of any of the common stock, preferred stock, and warrants comprising the units, including whether and under what circumstances the securities comprising the units may be traded separately;
- a description of the terms of any unit agreement governing the units; and
- a description of the provisions for the payment, settlement, transfer, or exchange of the units.

DESCRIPTION OF RIGHTS

We may issue rights to purchase our common stock, preferred stock, warrants or units. These rights may be issued independently or together with any other security offered hereby and may or may not be transferable by the person receiving the rights in such offering. In connection with any offering of such rights, we may enter into a standby arrangement with one or more underwriters or other purchasers pursuant to which the underwriters or other purchasers may be required to purchase any securities remaining unsubscribed for after such offering.

Each series of rights will be issued under a separate rights agreement that we will enter into with a bank or trust company, as rights agent, all as set forth in the applicable prospectus supplement. The rights agent will act solely as our agent in connection with the certificates relating to the rights and will not assume any obligation or relationship of agency or trust with any holders of rights certificates or beneficial owners of rights. We will file the rights agreement and the rights certificates relating to each series of rights with the SEC, and incorporate them by reference as an exhibit to the registration statement of which this prospectus is a part on or before the time we issue a series of rights.

The applicable prospectus supplement will describe the specific terms of any offering of rights for which this prospectus is being delivered, including the following:

- the date of determining the stockholders entitled to the rights distribution;
- the number of rights issued or to be issued to each stockholder;
- the exercise price payable for each share of preferred stock, common stock or other securities upon the exercise of the rights;
- the number and terms of the shares of preferred stock, common stock or other securities which may be purchased per each right;
- the extent to which the rights are transferable;

- the date on which the holder’s ability to exercise the rights shall commence, and the date on which the rights shall expire;
- the extent to which the rights may include an over-subscription privilege with respect to unsubscribed securities;
- if applicable, the material terms of any standby underwriting or purchase arrangement entered into by us in connection with the offering of such rights;
- any other terms of the rights, including the terms, procedures, conditions and limitations relating to the exchange and exercise of the rights; and
- any other information we think is important about the rights.

The description in the applicable prospectus supplement of any rights that we may offer will not necessarily be complete and will be qualified in its entirety by reference to the applicable rights certificate, which will be filed with the SEC. To the extent the information contained in the prospectus supplement differs from this summary description, you should rely on the information in the prospectus supplement.

EXPERTS

The consolidated financial statements incorporated in this prospectus by reference from Torchlight Energy Resources, Inc.’s Annual Report on Form 10-K for the year ended December 31, 2019 have been audited by Briggs & Veselka Co., our independent registered public accounting firm, as stated in its report included in such consolidated financial statements, and have been so incorporated in reliance upon the report of such firm given upon its authority as experts in accounting and auditing.

Certain information contained in the documents we incorporate by reference in this prospectus with respect to the oil and natural gas reserves associated with our oil and natural gas prospects is derived from the reports of PeTech Enterprises, Inc., an independent petroleum and natural gas consulting firm, and has been incorporated by reference in this prospectus upon the authority of said firm as an expert with respect to the matters covered by such reports and in giving such reports.

LEGAL MATTERS

Certain legal matters in connection with the offering described in this prospectus will be passed upon for us by Axelrod & Smith. Any underwriters will be advised about legal matters by their own counsel, who will be named in the applicable prospectus supplement.

PART II – INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution.

The following table sets forth the various expenses, all of which will be borne by us, in connection with the sale and distribution of the securities being registered.

Securities and Exchange Commission Registration Fee	\$6,954.00 (1)
Printing and Engraving Expenses	*
Accounting Fees and Expenses	*
Legal Fees and Expenses	*
Blue Sky Qualification Fees and Expenses	*
Miscellaneous	*
TOTAL	*

(1) The entire registration fee was previously paid on a prior registration statement, which amount and is being applied towards the fee on this registration statement in connection with unsold securities on the prior registration statement.

* These fees are calculated based on the number of issuances and amount of securities offered and accordingly cannot be estimated at this time. An estimate of the aggregate amount of these expenses will be reflected in the applicable prospectus supplement.

Item 15. Indemnification of Directors and Officers.

Our Bylaws provide that we shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative, except an action by or in our right, by reason of the fact that the person is or was our director, officer, employee or agent, or is or was serving at our request as a director, officer, employee or agent of another enterprise, against expenses, including attorneys' fees, judgments, fines and amounts paid in settlement actually and reasonably incurred by the person in connection with the action, suit or proceeding if the person: (a) is not liable pursuant to Section 78.138 of the Nevada Revised Statutes ("NRS"); or (b) acted in good faith and in a manner which he or she reasonably believed to be in or not opposed to our best interests, and, with respect to any criminal action or proceeding, had no reasonable cause to believe the conduct was unlawful. The termination of any action, suit or proceeding by judgment, order, settlement, conviction or upon a plea of nolo contendere or its equivalent, does not, of itself, create a presumption that the person is liable pursuant to NRS 78.138 or did not act in good faith and in a manner which he or she reasonably believed to be in or not opposed to our best interests, or that, with respect to any criminal action or proceeding, he or she had reasonable cause to believe that the conduct was unlawful.

Our Bylaws also provide that we shall indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in our right to procure a judgment in our favor by reason of the fact that the person is or was our director, officer, employee or agent, or is or was serving at our request as a director, officer, employee or agent of another enterprise against expenses, including amounts paid in settlement and attorneys' fees actually and reasonably incurred by the person in connection with the defense or settlement of the action or suit if the person: (a) is not liable pursuant to NRS 78.138; or (b) acted in good faith and in a manner which he or she reasonably believed to be in or not opposed to our best interests. Indemnification may not be made for any claim, issue or matter as to which such a person has been adjudged by a court of competent jurisdiction, after exhaustion of all appeals therefrom, to be liable to us or for amounts paid in settlement to us, unless and only to the extent that the court in which the action or suit was brought or other court of competent jurisdiction determines upon application that in view of all the circumstances of the case, the person is fairly and reasonably entitled to indemnity for such expenses as the court deems proper.

Further, our Bylaws provide that the expenses of officers and directors incurred in defending a civil or criminal action, suit or proceeding must be paid by the Corporation as they are incurred and in advance of the final disposition of the action, suit or proceeding, upon receipt of an undertaking by or on behalf of the director or officer to repay the amount if it is ultimately determined by a court of competent jurisdiction that the director or officer is not entitled to be indemnified by us.

Sections 78.7502 and 78.751 of the NRS permit the indemnifications described above. Further, Section 78.7502 provides that, to the extent that a director, officer, employee or agent of a corporation has been successful on the merits or otherwise in defense of any action, suit or proceeding referred to above, or in defense of any claim, issue or matter therein, we are required to indemnify him or her against expenses, including attorneys' fees, actually and reasonably incurred by him or her in connection with the defense.

Item 16. Exhibits.

The following is a list of exhibits filed as part of this registration statement. Where so indicated by footnote, exhibits which were previously filed are incorporated herein by reference. Any statement contained in an incorporated document will be deemed to be modified or superseded for purposes of this registration statement to the extent that a statement contained herein or in any other subsequently filed incorporated document modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this registration statement.

Exhibit No.	Description
1.1	Form of Underwriting Agreement **
2.1	Share Exchange Agreement dated November 23, 2010. (Incorporated by reference from Form 8-K filed with the SEC on November 24, 2010.) *
3.1	Articles of Incorporation. (Incorporated by reference from Form 10-K filed with the SEC on March 18, 2019.) *
3.2	Certificate of Amendment to Articles of Incorporation dated December 10, 2014. (Incorporated by reference from Form 10-Q filed with the SEC on May 15, 2015.) *
3.3	Certificate of Amendment to Articles of Incorporation dated September 15, 2015. (Incorporated by reference from Form 10-Q filed with the SEC on November 12, 2015.) *
3.4	Certificate of Amendment to Articles of Incorporation dated August 18, 2017 (Incorporated by reference from Form 10-Q filed with the SEC on August 9, 2018.) *
3.5	Amended and Restated Bylaws (Incorporated by reference from Form 8-K filed with the SEC on October 26, 2016.) *
4.1	Form of Certificate of Designation of Preferred Stock and Preferred Stock Certificate **
4.2	Form of Common Stock Warrant Agreement and Warrant Certificate **
4.3	Form of Preferred Stock Warrant Agreement and Warrant Certificate **
4.4	Form of Unit Agreement and Unit Certificate **
4.5	Form of Rights Agreement, including Form of Rights Certificate **
5.1	Legal Opinion of Axelrod & Smith
23.1	Consent of Briggs & Veselka Co.
23.2	Consent of Axelrod & Smith (incorporated in Exhibit 5.1)
23.3	Consent of PeTech Enterprises, Inc.
24.1	Power of Attorney (included in signature page hereto)

* Incorporated by reference from our previous filings with the SEC.

** To be filed, if necessary, by amendment or as an exhibit to a current report on Form 8-K of the registrant.

Item 17. Undertakings.

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by section 10(a)(3) of the Securities Act;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) of this section do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to section 13 or section 15(d) of the Exchange Act that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act to any purchaser:

(A) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(B) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by section 10(a) of the Securities Act shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date; or

(5) That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Plano, State of Texas, on September 25, 2020.

TORCHLIGHT ENERGY RESOURCES, INC.

By: /s/ John A. Brda
John A. Brda
President and Chief Executive Officer

POWER OF ATTORNEY

We the undersigned officers and directors of Torchlight Energy Resources, Inc., hereby, severally constitute and appoint John A. Brda and Gregory McCabe, each of them singly, our true and lawful attorneys with full power to them and each of them singly, to sign for us and in our names in the capacities indicated below, the registration statement on Form S-3 filed herewith and any and all pre-effective and post-effective amendments to said registration statement and any subsequent registration statement for the same offering which may be filed under Rule 462(b) and generally to do all such things in our names and on our behalf in our capacities as officers and directors to enable Torchlight Energy Resources, Inc. to comply with the provisions of the Securities Act of 1933, and all requirements of the Securities and Exchange Commission, hereby ratifying and confirming our signatures as they may be signed by our said attorneys, or any of them, to said registration statement and any and all amendments thereto or to any subsequent registration statement for the same offering which may be filed under Rule 462(b).

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ John A. Brda</u> John A. Brda	Director, Chief Executive Officer, President and Secretary	September 25, 2020
<u>/s/ Gregory McCabe</u> Gregory McCabe	Director (Chairman of the Board)	September 25, 2020
<u>/s/ Roger N. Wurtele</u> Roger N. Wurtele	Chief Financial Officer and Principal Accounting Officer	September 25, 2020
<u>/s/ Robert Lance Cook</u> Robert Lance Cook	Director	September 25, 2020
<u>/s/ Alexandre Zyngier</u> Alexandre Zyngier	Director	September 25, 2020
<u>/s/ Michael J. Graves</u> Michael J. Graves	Director	September 25, 2020

Axelrod & Smith

An Association of Professional Corporations
ATTORNEYS AT LAW
5300 Memorial Drive, Suite 1000
Houston, Texas 77007-8292

Robert D. Axelrod, P.C.

Telephone (713) 861-1996
Facsimile (713) 552-0202

September 25, 2020

Torchlight Energy Resources, Inc.
John A. Brda, President
5700 W. Plano Parkway, Suite 3600
Plano, Texas 75093

RE: TORCHLIGHT ENERGY RESOURCES, INC.
FORM S-3 REGISTRATION STATEMENT

We have acted as counsel to Torchlight Energy Resources, Inc., a Nevada corporation (the "Company"), in connection with its filing on the date hereof with the Securities and Exchange Commission (the "Commission") of its Registration Statement on Form S-3 (the "Registration Statement") filed pursuant to the Securities Act of 1933, as amended (the "Securities Act"). The Registration Statement, including the prospectus which forms a part of the Registration Statement (the "Prospectus"), and as may be supplemented from time to time by one or more prospectus supplements (each, a "Prospectus Supplement"), provides for the registration by the Company of an aggregate of up to \$60,000,000 of the following securities:

- (i) shares of the Company's common stock, par value \$0.001 per share (the "Common Stock");
- (ii) shares of one or more series of the Company's preferred stock (the "Preferred Stock");
- (iii) warrants for the purchase of Common Stock or Preferred Stock (individually or collectively, the "Warrants");
- (iv) units of the Company consisting of one or more of the securities described above (the "Units"); and/or
- (v) rights to purchase our Common Stock, Preferred Stock, Warrants or Units (the "Rights").

We collectively refer to the Common Stock, the Preferred Stock, Warrants, Units and Rights in the Registration Statement and any Prospectus Supplement as the "Securities" or individually as a "Security." The Company is registering the Securities for offering and sale from time to time pursuant to Rule 415 under the Securities Act.

For purposes of rendering this opinion, we have examined originals or copies (certified or otherwise identified to our satisfaction) of:

1. the Registration Statement;
2. the Prospectus contained in the Registration Statement;
3. the Articles of Incorporation and amendments thereto, as filed with the Secretary of State of the State of Nevada, as presently in effect (the "Company's Articles of Incorporation");
4. the Amended and Restated Bylaws of the Company, as presently in effect (the "Company's Bylaws" and, together with the Company's Articles of Incorporation, the "Organizational Documents"); and
5. Resolutions adopted by the Board of Directors of the Company, authorizing and approving the Registration Statement, the registration of the Securities for issuance and sale by the Company, and matters related thereto.

We have also examined such other certificates of public officials, such other certificates of officers of the Company and such other records, agreements, documents and instruments as we have deemed relevant and necessary as a basis for the opinions hereafter set forth.

In such examination, we have assumed: (i) the genuineness of all signatures, (ii) the legal capacity of all natural persons, (iii) the authenticity of all documents submitted to us as originals, (iv) the conformity to original documents of all documents submitted to us as certified, conformed or other copies and the authenticity of the originals of such documents and (v) that all records and other information made available to us by the Company on which we have relied are complete in all material respects. As to all questions of fact material to these opinions, we have relied solely upon the above-referenced certificates or comparable documents and upon the statements contained in the Registration Statement, have not performed or had performed any independent research of public records and have assumed that certificates of or other comparable documents from public officials dated prior to the date hereof remain accurate as of the date hereof.

In connection with each of the opinions expressed below, we have assumed that, at or prior to the time of delivery of any Security, (i) the Registration Statement has been declared effective and such effectiveness has not been terminated or rescinded, (ii) a Prospectus Supplement, to the extent required by applicable law and relevant rules and regulations of the Commission, will be timely filed with the Commission describing each class or series of Securities offered thereby and any other matters required thereby and will comply with applicable law, (iii) the definitive terms of the issuance and sale of each class or series of Securities will have been duly established in accordance with the authorizing resolutions adopted by the Company's Board of Directors (or an authorized committee thereof) and in conformity with the applicable Organizational Documents and applicable law (including (A) the due reservation of any shares of Common Stock or Preferred Stock for issuance upon exercise, conversion or exchange of any Securities for Common Stock or Preferred Stock (a "Convertible Security"), and (B) the execution (in the case of certificated Securities), delivery and performance of the Securities and any related documentation referred to in paragraphs 1 through 5 below shall have been duly completed and shall remain in full force and effect), (iv) upon issuance of any Common Stock or Preferred Stock, including upon exercise, conversion or exchange of any Convertible Security, the total number of shares of Common Stock or Preferred Stock issued and outstanding will not exceed the total number of shares of Common Stock or Preferred Stock, as applicable, that the Company is then authorized to issue under the Company's Articles of Incorporation and other relevant documents; (v) a rights agreement ("Rights Agreement") relating to the Rights will be duly authorized, executed and delivered by the parties thereto, and each person signing the Rights Agreement will have the legal capacity and authority to do so (vi) all Securities will be issued and sold in the manner contemplated by the Registration Statement and any applicable prospectus supplement; and (vii) there has not occurred any change in law or further action by the Company's Board of Directors, in any case affecting the validity or enforceability of such Security. We have also assumed that none of the terms of any Securities to be established after the date hereof, nor the issuance and delivery of such Securities, nor the compliance by the Company with the terms of such Securities will violate any applicable law or public policy or result in a violation of any provision of any instrument or agreement then binding upon the Company or any restriction imposed by any court or governmental body having jurisdiction over the Company.

Based on the foregoing and in reliance thereon, and subject to the assumptions, exceptions, qualifications and limitations set forth herein, we are of the opinion that:

1. With respect to shares of Common Stock registered pursuant to the Registration Statement, when certificates representing such shares of Common Stock have been duly executed, issued and delivered either (i) in accordance with the applicable definitive purchase, underwriting or similar agreement for the consideration provided for therein, or (ii) upon exercise, conversion or exchange of any Convertible Security, in accordance with the terms of such Convertible Security or the instrument governing such Convertible Security providing for such exercise, conversion or exchange, and for any additional consideration specified therein, which consideration (including any consideration paid for such Convertible Security), on a per share basis, shall in either event not be less than the par value of the Common Stock, and any such Convertible Security was validly issued and is fully paid and non-assessable (in the case of an equity Security) or is a legal, valid and binding obligation of the Company, enforceable against the Company in accordance with its terms, then such shares of Common Stock will be validly issued, fully paid and non-assessable.

2. With respect to any particular series of shares of Preferred Stock registered pursuant to the Registration Statement, when the issuance and terms of the shares of Preferred Stock, the terms of the offering thereof and related matters, including the adoption of a certificate of designation relating to such Preferred Stock conforming to the Company's Articles of Incorporation and Company's Bylaws and the Nevada Revised Statutes (a "Certificate") and the filing of the Certificate with the Nevada Secretary of State, has been duly authorized by appropriate corporate action of the company's Board of Directors and, if required, the stockholders of the Company, and certificates representing the shares of Preferred Stock have been duly executed, countersigned, registered and delivered either (i) in accordance with the applicable definitive purchase, underwriting or similar agreement approved by the Company's Board of Directors, or upon the exercise of warrants to purchase Preferred Stock, upon payment of the consideration therefor (not less than the par value of the Preferred Stock) provided for therein or (ii) upon conversion or exercise of any other Security of the Company, in accordance with the terms of such Security or the instrument governing such Security providing for such conversion or exercise as approved by the Company's Board of Directors, for the consideration approved by the Company's Board of Directors (not less than the par value of the Preferred Stock), then such shares of Preferred Stock will be validly issued, fully paid and nonassessable.
3. With respect to any Warrants registered pursuant to the Registration Statement, when a warrant agreement relating to such Warrants (the "Warrant Agreement") has been duly executed and delivered by the Company and each other party thereto, the terms of the Warrants have been established in accordance with the Warrant Agreement, and the Warrants have been duly executed, delivered and issued in accordance with the Warrant Agreement and the applicable definitive purchase, underwriting or similar agreement for the consideration provided for therein, then such Warrants will be legal, valid and binding obligations of the Company, enforceable against the Company in accordance with their terms.
4. With respect to any Units registered pursuant to the Registration Statement, when a unit agreement relating to the Units (the "Unit Agreement") has been duly executed and delivered by the Company and each other party thereto, the terms of the Units have been duly established in accordance with the Unit Agreement, and certificates representing the Units have been duly executed and delivered in accordance with the Unit Agreement and the applicable definitive purchase, underwriting or similar agreement for the consideration provided for therein, then such Units will be legal, valid and binding obligations of the Company, enforceable against the Company in accordance with their terms.
5. With respect to the Rights, when (a) the Board of Directors of the Company has taken all necessary corporate action to approve the creation of and the issuance and terms of the Rights, the terms of the offering thereof, and related matters, (b) the agreements relating to the Rights have been duly authorized and validly executed and delivered by the Company and the Rights Agent appointed by the Company, and (c) the Rights or certificates representing the Rights have been duly executed, countersigned, registered, and delivered in accordance with the appropriate agreements relating to the Rights and the applicable definitive purchase, underwriting, or similar agreement approved by the Board of Directors of the Company or such officers upon payment of the consideration therefor provided for therein, the Rights will be legally issued and such Rights will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their terms, except as such enforcement is subject to any applicable bankruptcy, insolvency (including, without limitation, all laws relating to fraudulent transfers), reorganization, moratorium and similar laws relating to or affecting creditors' rights generally and to general equitable principles (regardless of whether enforcement is sought in a proceeding in equity or at law).

The opinions expressed herein are limited to (i) the Nevada Revised Statutes and (ii) those laws of the State of Nevada and those Federal securities laws, rules, and regulations of the United States of America, in each case which, in our experience, without having made any special investigation as to the applicability of any specific law, rule, or regulation, are normally applicable to transactions of the type contemplated by the Registration Statement (collectively, the "Applicable Laws"). No opinion is expressed as to the effect on the matters covered by this letter of the laws, rules or regulations of (i) the United States of America or the State of Nevada other than the Applicable Laws or (ii) any jurisdiction other than the United States of America, and the State of Nevada, whether in any such case applicable directly or through the Applicable Laws.

The opinions expressed herein are rendered as of the date hereof and are based on existing law, which is subject to change. Where our opinions expressed herein refer to events to occur at a future date, we have assumed that there will have been no changes in the relevant law or facts between the date hereof and such future date. We do not undertake to advise you of any changes in the opinions expressed herein from matters that may hereafter arise or be brought to our attention or to revise or supplement such opinions should the present laws of any jurisdiction be changed by legislative action, judicial decision or otherwise.

Our opinions expressed herein are limited to the matters expressly stated herein and no opinion is implied or may be inferred beyond the matters expressly stated.

This opinion is to be used only in connection with the offer and sale of the Securities while the Registration Statement is in effect.

This opinion letter has been prepared and may be used by the Company as an exhibit in connection with the filing by the company of the Form S-3 with the Commission. We hereby consent to the filing of this opinion letter as Exhibit 5.1 to the above-described Form S-3 and to the reference made to this firm in the Registration Statement under the heading "Legal Matters." In giving this consent, we do not thereby admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder. This opinion is expressed as of the date hereof unless otherwise expressly stated, and we disclaim any undertaking to advise you of any subsequent changes in the facts stated or assumed herein or of any subsequent changes in applicable law.

Very truly yours,

/s/ Axelrod & Smith

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in this Registration Statement on Form S-3 of Torchlight Energy Resources, Inc. of our report dated March 16, 2020, relating to the consolidated financial statements and the effectiveness of internal control over financial reporting, appearing in the Annual Report on Form 10-K for the year ended December 31, 2019 of Torchlight Energy Resources, Inc. Our report contains an explanatory paragraph regarding the company's ability to continue as a going concern.

We also consent to the reference to our firm under the caption "Experts" in the Prospectus, which is part of this Registration Statement.

/s/ Briggs & Veselka Co.

Briggs & Veselka Co.

Houston, Texas

September 25, 2020

CONSENT OF PETECH ENTERPRISES, INC.

We hereby consent to the incorporation by reference in this registration statement on Form S-3, related prospectus, and any related prospectus supplement of Torchlight Energy Resources, Inc. (the "Registration Statement") of our report dated February 26, 2020 attached as Exhibit 99.1 to the Annual Report on Form 10-K for the year ended December 31, 2019 of Torchlight Energy Resources, Inc. and to the references to our report on Torchlight Energy Resources, Inc.'s estimated oil and natural gas reserves as of December 31, 2019. We also consent to all references to us contained in such Registration Statement, including in the prospectus under the heading "Experts."

PETECH ENTERPRISES, INC.

By: /s/ Amiel David, PE

Amiel David, PE

Houston, Texas

September 23, 2020
