



## **MANAGEMENT DISCUSSION AND ANALYSIS**

### **For the three and six month periods ended June 30, 2018**

The following management discussion and analysis (“MD&A”) of the financial conditions and results of operations of Canadian Spirit Resources Inc. (“CSRI” or the “Corporation”) for the three and six months ended June 30, 2018 should be read in conjunction with the unaudited interim condensed financial statements for the same periods, as well as the MD&A and audited financial statements for the year ended December 31, 2017 prepared under International Financial Reporting Standards (“IFRS”), as issued by the International Accounting Standards Board and the International Financial Reporting Interpretations Committee. The financial data presented herein is in accordance with IFRS and all amounts are presented in Canadian dollars. This MD&A has been prepared by management and includes information up to August 29, 2018, the date of review and approval by the Corporation’s Board of Directors.

This MD&A contains non-GAAP measures and forward-looking statements. Readers are cautioned that the MD&A should be read in conjunction with the Corporation’s disclosures under the heading **Reader’s Advisories** located on pages 13 and 14 of this MD&A.

### **Corporate Overview**

CSRI is a natural resources company whose shares are listed under the trading symbol ‘SPI’ on the TSX Venture Exchange (the “Exchange”). Operating on its own 100% working interest lands, and together with its joint venture partner Canbriam Energy Inc. (“Canbriam”), the Corporation’s principal activity is exploring for and developing the productive capability of the Montney Formation natural gas and natural gas liquids resource play in the Farrell Creek/Altares area of northeastern British Columbia (“NEBC”). The Corporation commenced natural gas production from the Montney Formation in 2011.

### **Selected Quarterly Information**

The following is a summary of the results of the Corporation for the eight most recently completed quarters (000’s, unless otherwise indicated):

	2018		2017				2016	
	Q2	Q1	Q4	Q3	Q2	Q1	Q4	Q3
Average sales volumes	(2)						(3)	
- natural gas (MMcf/d)	0.55	0.54	0.57	0.64	0.61	0.74	1.10	-
Sales price (per Mcf)	\$ 1.43	\$ 1.88	\$ 0.53	\$ 0.93	\$ 2.39	\$ 2.48	\$ 2.37	\$ -
Total sales volumes								
- natural gas (MMcf)	16.5	48.4	52.3	59.0	55.4	66.3	101.1	-
Natural gas sales	\$ 24	\$ 91	\$ 27	\$ 55	\$ 132	\$ 164	\$ 240	\$ -
Operating netbacks	\$ (36)	\$ 4	\$ (47)	\$ (19)	\$ 37	\$ 88	\$ 190	\$ (54)
Net cash flows from (used in) operating activities	\$ (218)	\$ (275)	\$ (185)	\$ (170)	\$ (196)	\$ (104)	\$ (133)	\$ 203
Net income (loss)	\$ (326)	\$ (327)	\$ (858)	\$ (482)	\$ (348)	\$ (301)	\$ (29,356)	\$ 111
Net income (loss) per share	\$ (0.00)	\$ (0.00)	\$ (0.00)	\$ (0.01)	\$ (0.00)	\$ (0.00)	\$ (0.19)	\$ 0.00
Net working capital	\$ 1,209	\$ 1,597	\$ 1,962	\$ 356	\$ 732	\$ 817	\$ 1,156	\$ 1,214
Total assets	\$ 45,323	\$ 45,661	\$ 46,023	\$ 44,604	\$ 45,115	\$ 45,021	\$ 45,673	\$ 74,562
Shareholders' capital	\$ 42,929	\$ 43,243	\$ 43,553	\$ 42,284	\$ 42,623	\$ 42,689	\$ 42,978	\$ 71,859
Common shares outstanding	177,494	177,494	177,494	159,459	159,459	156,759	156,759	152,592
Net capital expenditures	\$ 155	\$ 175	\$ 215	\$ 67	\$ 294	\$ 45	\$ 183	\$ 275

#### **Notes:**

- Quarterly amounts may not total or calculate to year-to-date amounts due to rounding.
- Production was shut-in by the Corporation's joint venture partner effective May 1, 2018. The second quarter 2018 production results therefore represent one month of natural gas production.
- Production was shut-in by the Corporation's joint venture partner during the third quarter 2016.

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Average field production has remained relatively constant due to the lower decline rate associated with each of the Corporation's Montney wells being in the stable stages of their production life. Price volatility, due to excess North American natural gas supply over the past few years, has had a significant negative impact on Canadian natural gas producers. The average natural gas sales price the Corporation realized from its production fell dramatically towards the end of 2015 and in early 2016. As a result, CSRI and Canbriam decided to shut-in their joint venture natural gas production at Farrell Creek/Altares from March 31, 2016 until October 4, 2016 when a steady increase in natural gas prices justified re-starting production. A similar situation of price erosion began to emerge in the third quarter 2017, marked by extreme volatility in day to day natural gas spot pricing. It was decided to maintain production through the fourth quarter 2017 as the duration of the price swings was difficult to predict. Natural gas prices stabilized to provide positive operating netbacks (*non-GAAP measure*) in the first quarter 2018, however as warmer weather approached and the schedule of significant planned outages on the major pipeline systems was published, forward strip natural gas prices over the next two quarters showed sub-economic returns on CSRI's production. On May 1, 2018, CSRI and its joint venture partner Canbriam announced the shut-in of natural gas production at the Farrell Creek/Altares property. Since the production shut-in, natural gas prices have averaged less than \$1.15 per Mcf at Station 2, the benchmark pricing point on the Enbridge Westcoast Energy pipeline system. Although there has been a high demand for natural gas power generation due to extreme temperatures throughout North America, the forecast is for continued price weakness as major outages due to maintenance and new construction on the mainline systems increase during the summer months. The joint venture partners will continue to monitor natural gas prices for the optimal time to return the field to production.

As at December 31, 2016, the estimated recoverable amount of the Gething Formation Exploration and Evaluation ("E&E") assets, determined in part by project status as well as feasible future development opportunities available, was found to be impaired as compared to the carrying value. As such, an impairment of natural gas assets for the Gething E&E assets of \$29.1 million was recorded in the statement of operations in the fourth quarter 2016. The Corporation has not recorded any further impairment of E&E assets since that adjustment.

### **Natural Gas Properties**

#### ***Farrell Creek/Altares: Operational Highlights***

The lack of pipeline egress for the rapidly growing natural gas production that has been discovered in the Montney Formation in NEBC has resulted in large volumes of natural gas being trapped behind the sales point at Station 2. As a result, natural gas producers in NEBC have experienced downward pressure on natural gas prices and unpredictable production curtailment on all pipeline systems transporting natural gas out of NEBC. Significant investment is being made on new pipeline infrastructure, including TransCanada Corporation's North Montney Mainline project that received Federal Cabinet approval on July 4, 2018, as well as additional line looping by Enbridge on their Westcoast Energy Mainline system. These projects will add additional egress for natural gas producers beginning in 2019, however significant disruptions and outages resulting in extreme volatility in natural gas prices have and will continue to occur until this new pipeline capacity is available. As a result of the uncertainty in natural gas prices, the Corporation curtailed all capital spending while continuing to conduct required field activities and regulatory compliance.

Liquefied natural gas ("LNG") exports from the west coast of Canada have long been seen as a significant source of value creation for natural gas producers in NEBC. Momentum appears to be building for an announcement of a final investment decision to move forward with at least one LNG facility. On April 27, 2018, LNG Canada announced that the Engineering, Procurement and Construction contract had been awarded and subsequently indicated that they were committed to begin construction before the end of 2018. Petroliam Nasional Bhd (Petronas) announced on May 31, 2018 that it had purchased a 25% equity stake in the LNG Canada Partnership that now includes Royal Dutch Shell, Petronas, PetroChina,

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KOGAS and Mitsubishi Corporation. A final investment decision by LNG Canada is expected sometime before the end of 2018.

#### ***Fresh Water Sourcing***

The Williston Reservoir Water Pipeline Project (25% owned by CSRI; operated by Canbriam) is able to deliver up to 10,000 m<sup>3</sup>/d of fresh water from the Williston Reservoir to the Farrell Creek/Altares area in NEBC on a year-round basis until December 31, 2031. The project will reduce, by approximately \$500,000 per well, the cost of delivering a secure supply of fresh water used in the fracture stimulation of both vertical and horizontal wells and will lessen the impact on local communities and infrastructure by reducing the need to transport fresh water overland by truck to drilling sites. Access to water is a major concern for many oil and gas companies operating in NEBC.

#### ***Montney Formation Reserves***

An independent reserve evaluation covering the Montney Formation at Farrell Creek/Altares was prepared by GLJ Petroleum Consultants ("GLJ"), an independent qualified reserves evaluator, as at December 31, 2017 in accordance with the reserves definitions, standards and procedures contained in the Canadian Oil and Gas Evaluation Handbook. The evaluation is based on a plan to drill and complete four additional Montney wells over the next few years to further develop the Montney lands at Farrell Creek/Altares. Proceeding with full development will be contingent upon factors such as access to capital, economic price conditions, infrastructure, and environmental and regulatory matters. For more information, the Corporation's Form 51-101F1 Statement of Reserves Data and Other Oil and Gas Information and related documents have been filed on SEDAR at [www.sedar.com](http://www.sedar.com) and on the Corporation's website at [www.csri.ca](http://www.csri.ca).

#### ***Montney Formation Resource Assessment***

GLJ was also engaged to prepare an independent resource assessment of the Montney Formation on the Corporation's Farrell Creek/Altares lands in northeastern British Columbia as at December 31, 2016 with respect to the Total Petroleum Initially-In-Place ("TPIIP"), Discovered Petroleum Initially-In-Place ("DPIIP") and Undiscovered Petroleum Initially-In-Place ("UPIIP") in accordance with the resource definitions, standards and procedures contained in the Canadian Oil and Gas Evaluation Handbook. This independent assessment has resulted in 9,044 Bcf (9.0 Tcf) of TPIIP, comprised of 4,029 Bcf (4.0 Tcf) of DPIIP and 5,015 Bcf (5.0 Tcf) of UPIIP, of shale gas being recognized on the Corporation's Montney lands.

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### Results from Operations

#### *Natural Gas Production and Revenues*

	Three months ended June 30,		Six months ended June 30,	
	2018	2017	2018	2017
Total sales volumes of natural gas (Mcf)	16,542	55,430	64,950	121,690
Average sales volumes of natural gas				
Mcf/d	551 <sup>(1)</sup>	609	541 <sup>(1)</sup>	674
boe/d	92 <sup>(1)</sup>	101	90 <sup>(1)</sup>	112
Total natural gas sales (\$)	\$ 23,719	\$ 132,245	\$ 114,749	\$ 296,347
Average sales price of natural gas				
\$/Mcf	\$ 1.43	\$ 2.39	\$ 1.77	\$ 2.44
\$/boe	\$ 8.60	\$ 14.31	\$ 10.60	\$ 14.61

#### Note:

1. Production was shut-in by the Corporation's joint venture partner effective May 1, 2018. The second quarter 2018 production results therefore represent one month of natural gas production, and the year-to-date production results therefore represent four months of natural gas production.

Total production volumes in the second quarter 2018 decreased by 70.2% compared to the second quarter 2017 due to the shut-in of the Corporation's natural gas production effective May 1, 2018.

Due to the low natural gas price environment and the focus of CSRI's joint venture partner on their own 100% working interest lands at Altares, the Corporation has not added any new production over the last six years, and is therefore subject to the inherent declines associated with each producing natural gas well. Although the rate of decline has diminished, future production additions are required to alleviate this decline.

#### ***Royalties***

The five Montney Formation wells tied into the Farrell Creek/Altares Montney joint venture gas plant are all deep horizontal wells and as such, each of these producing wells qualifies for the British Columbia Government's Deep Royalty Credit Program. This Program generates up to \$2.8 million (gross) in royalty credits for each well and the royalty credits are drawn down over time as the wells produce natural gas. Commencing with the second quarter 2013, the British Columbia Government introduced a minimum 3% royalty which is applicable to wells within the Deep Royalty Credit Program. Royalty credits that were previously generated from the discontinued Summer Drilling Credit Program can be used to offset this minimum royalty. Between these two well royalty credit programs, and at the current rates of production, the Corporation does not expect to remit any crown royalties to the government of British Columbia for the next five years or more. Royalty credits applied are accounted for as an offset against the capital costs accumulated within Property, Plant and Equipment ("P,P&E").

#### ***Operating Costs***

Operating costs, which have fixed and variable rate components, relate to the Corporation's share of plant maintenance, supervision and other production expenses in conjunction with the five producing Montney Formation wells at Farrell Creek/Altares. Operating costs also include transportation costs to transfer the natural gas from the pipeline system at Farrell Creek/Altares to the sales point at Enbridge Westcoast Energy Station 2 and the British Columbia provincial carbon taxes.

Operating costs were reduced on an overall basis, however they have increased on a per Mcf basis from the second quarter 2017 to the second quarter 2018, as the table for ***Operating Netbacks (non-GAAP measure)*** on page 5 shows. The shut-in of the Corporation's natural gas production on May 1, 2018

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resulted in an overall reduction in operating costs, however fixed costs and costs to shut-in the natural gas processing facility and producing wells, resulted in an increase in the per Mcf operating costs. As production continues to decline, the fixed component of field operations remains relatively constant and thus the per unit cost increases. In addition, lower volume throughput requires more operational attention at the Farrell Creek/Altares Montney joint venture natural gas plant, such as proportionately higher levels of operating costs on a gross basis due to additional costs associated with natural gas recycling at the plant.

#### *Operating Netbacks (non-GAAP measure)*

During the three months ended June 30, 2018, the Corporation applied \$331 (2017: \$1,767) of royalty credits against crown royalties that would otherwise have been payable:

<b>For the three months ended June 30, 2018</b>			<b>\$/Mcf</b>	<b>\$/boe</b>
Natural gas sales	\$ 23,719		\$ 1.43	\$ 8.60
Royalties expense	(331)	1.4%	(0.02)	(0.12)
Net revenue	23,388		1.41	8.48
Royalty credits applied	331		0.02	0.12
Operating costs	(59,567)		(3.60)	(21.61)
Operating netbacks	\$ (35,848)		\$ (2.17)	\$ (13.01)

<b>For the three months ended June 30, 2017</b>			<b>\$/Mcf</b>	<b>\$/boe</b>
Natural gas sales	\$ 132,245		\$ 2.39	\$ 14.31
Royalties expense	(1,767)	1.3%	(0.03)	(0.19)
Net revenue	130,478		2.36	14.12
Royalty credits applied	1,767		0.03	0.19
Operating costs	(95,036)		(1.71)	(10.29)
Operating netbacks	\$ 37,209		\$ 0.68	\$ 4.02

During the six months ended June 30, 2018, the Corporation applied \$552 (2017: \$8,294) of royalty credits against crown royalties that would otherwise have been payable:

<b>For the six months ended June 30, 2018</b>			<b>\$/Mcf</b>	<b>\$/boe</b>
Natural gas sales	\$ 114,749		\$ 1.77	\$ 10.60
Royalties expense	(552)	0.5%	(0.01)	(0.05)
Net revenue	114,197		1.76	10.55
Royalty credits applied	552		0.01	0.05
Operating costs	(146,297)		(2.25)	(13.51)
Operating netbacks	\$ (31,548)		\$ (0.48)	\$ (2.91)

<b>For the six months ended June 30, 2017</b>			<b>\$/Mcf</b>	<b>\$/boe</b>
Natural gas sales	\$ 296,347		\$ 2.44	\$ 14.61
Royalties expense	(8,294)	2.8%	(0.07)	(0.41)
Net revenue	288,053		2.37	14.20
Royalty credits applied	8,294		0.07	0.41
Operating costs	(170,908)		(1.40)	(8.43)
Operating netbacks	\$ 125,439		\$ 1.04	\$ 6.18

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#### *Depletion*

Depletion of Developed and Producing P,P&E is calculated using the unit of production method based on proved plus probable reserves. The depletion expense for the three and six months ended June 30, 2018 of \$18,067 and \$71,010, respectively, (2017: \$65,850 and \$144,638, respectively) equates to \$1.09 per Mcf (2017: \$1.19 per Mcf). The decrease in depletion for the respective three and six month periods both on a gross basis and on a per Mcf basis is due principally to the decrease in, and shut-in effective May 1, 2018 of, natural gas production (see *Natural Gas Production and Revenues* on page 4).

#### **Liquidity and Capital Resources**

The Corporation's capital expenditures for the three and six month periods ended June 30, 2018 and 2017 are detailed in the following table:

	<u>Three months ended June 30,</u>		<u>Six months ended June 30,</u>	
	<u>2018</u>	<u>2017</u>	<u>2018</u>	<u>2017</u>
Lease acquisitions and retentions	\$ 38,725	\$ 38,725	\$ 111,527	\$ 106,402
Net expenditure on drilling, completion and facilities costs	\$ 69,946	57,091	\$ 117,024	131,692
Other capitalized amounts	\$ 46,435	198,130	\$ 101,524	100,619
Total net capital expenditures	<u>\$ 155,106</u>	<u>\$ 293,946</u>	<u>\$ 330,075</u>	<u>\$ 338,713</u>

From time to time, certain older Gething Formation land leases are allowed to expire thus eliminating the future economic benefits related to such leases. For the three and six months ended June 30, 2018, the Corporation expensed a total of \$Nil and \$Nil, respectively, (2017: \$Nil and \$Nil, respectively) of Gething Formation land lease costs as exploration and evaluation expense.

For the three and six months ended June 30, 2018, net capital expenditures totaled \$0.1 million and \$0.3 million, respectively, (2017: \$0.3 million and \$0.4 million, respectively), compared to an allocated budgeted capital expenditure of \$0.2 million and \$0.4 million, respectively, (2017: \$0.1 million and \$0.3 million, respectively).

As at June 30, 2018, the Corporation had a net working capital (*non-GAAP measure*) balance of \$1.2 million consisting of cash in the amount of \$1.2 million plus receivables and prepaids of \$0.2 million, less payables of \$0.2 million.

CSRI's capital budget is approved on an annual basis, and subsequently reviewed quarterly, by the Corporation's Board of Directors. The Board of Directors has approved a base capital expenditure budget for 2018 of \$0.8 million (net), primarily for lease rental and maintenance capital, but also including an estimated \$0.3 million for capitalized overhead.

CSRI has budgeted for cash administration expenses (general and administrative expenses excluding share-based compensation) for 2018 to total \$1.0 million (a reduction of 11.7% from 2017 budgeted expenses) before capitalization of exploration and development related overhead, and has budgeted for operating netbacks (*non-GAAP measure*) from the Farrell Creek/Altare Montney operations for 2018 of \$0.2 million (2017: \$0.2 million).

#### **Reclamation and Abandonment Management**

For operations in British Columbia, the Corporation is required to provide deposits towards future abandonment and reclamation costs based on the number of wells and facilities for which the Corporation is the primary permit holder. Based on a Liability Management Rating ("LMR") review performed by the British Columbia Oil and Gas Commission ("BCOGC") in 2011, the Corporation was assessed an initial LMR amount of \$1,235,829. Up to June 30, 2018, CSRI has been assessed by the BCOGC additional cash deposit LMR amounts totaling \$513,591. The total assessed LMR amount of \$1,749,420 as at June

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30, 2018 is secured by cash deposits. Since these cash deposits are held against future abandonment and reclamation liabilities, the balance is considered by management to be restricted in use and is therefore classified as a non-current asset.

#### General and Administrative Expenses

	<u>Three months ended June 30,</u>		<u>Six months ended June 30,</u>	
	<u>2018</u>	<u>2017</u>	<u>2018</u>	<u>2017</u>
Consulting fees	\$ 10,575	\$ 11,680	\$ 21,400	\$ 20,619
Salaries, incentives and benefits	138,673	164,750	294,996	341,914
Other general and administrative	103,033	123,464	192,577	221,731
	<u>252,281</u>	<u>299,894</u>	<u>508,973</u>	<u>584,264</u>
Capitalized portion of general and administrative expenses	<u>(63,311)</u>	<u>(69,338)</u>	<u>(130,303)</u>	<u>(142,134)</u>
	<u>188,970</u>	<u>230,556</u>	<u>378,670</u>	<u>442,130</u>
Share-based compensation	11,667	11,895	28,001	23,790
Capitalized portion of share-based compensation	<u>(3,772)</u>	<u>(3,508)</u>	<u>(9,052)</u>	<u>(7,017)</u>
	<u>7,895</u>	<u>8,387</u>	<u>18,949</u>	<u>16,773</u>
	<u>\$ 196,865</u>	<u>\$ 238,943</u>	<u>\$ 397,619</u>	<u>\$ 458,903</u>

Consulting fees for the three and six months ended June 30, 2018 are comprised of computer network maintenance fees, software technical support, land administration fees, economic analysis project work, geological consulting services and investor consulting fees.

Salaries and benefits, before capitalization, for the six months ended June 30, 2018 have decreased by \$46,918 or 13.7% as compared with the six months ended June 30, 2017 due to a reduction in temporary administrative staffing requirements, and due to voluntary salary rollbacks agreed to by the Corporation's executive officers which took effect September 1, 2017.

The Corporation capitalizes, within both E&E assets and P,P&E, certain salary and benefit costs associated with staff directly involved in exploration and development activities. For the three and six months ended June 30, 2018, the Corporation capitalized a total of \$63,311 and \$130,303, respectively, (2017: \$69,338 and \$142,134, respectively) of general and administrative expenses, including consulting fees, salaries and benefits directly related to exploration and development activities.

The granting from time to time of options to acquire common shares affects the share-based compensation expense recorded in the respective comparative periods. In the three and six months ended June 30, 2018 there were options granted to acquire Nil and Nil, respectively, (2017: Nil and Nil, respectively) common shares of the Corporation. Share-based compensation expense, before capitalization, increased by \$4,211 or 17.7% from \$23,790 in the first six months of 2017 to \$28,001 in the first six months of 2018. The average price of the Corporation's common shares on the Exchange for the six months ended June 30, 2018 was \$0.11 (2017: \$0.15). For the three and six months ended June 30, 2018 the Corporation capitalized \$3,772 and \$9,052, respectively, (2017: \$3,508 and \$7,017, respectively) of share-based compensation expense for those employees of the Corporation directly involved in exploration and development activities.

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### Other General and Administrative Expenses

	Three months ended June 30,		Six months ended June 30,	
	2018	2017	2018	2017
Professional fees	\$ 24,239	\$ 38,772	\$ 51,269	\$ 71,853
Investor relations and filing fees	22,668	24,000	29,047	27,499
Directors' fees	12,000	8,000	24,000	16,000
Office premises and insurance	27,351	37,483	56,028	76,779
Office supplies and software licences	12,647	11,636	24,852	23,748
Staffing costs	3,926	3,135	6,983	5,189
Interest and other expenses	202	438	398	663
	<u>103,033</u>	<u>123,464</u>	<u>192,577</u>	<u>221,731</u>
Capitalized software licences	(5,945)	(5,945)	(11,890)	(11,890)
	<u>\$ 97,088</u>	<u>\$ 117,519</u>	<u>\$ 180,687</u>	<u>\$ 209,841</u>

Professional fees for the three and six months ended June 30, 2018 and 2017 are comprised of legal counsel fees for corporate secretary services and various other corporate and joint venture matters, as well as the combined quarterly portions of annual audit and reservoir engineer fee accruals.

Directors' fees have increased in 2018 compared to 2017 due to the appointment of an additional non-executive director effective August 22, 2017 (see news release dated August 23, 2017).

Office premises and insurance expenses for the six months ended June 30, 2018 have decreased by \$20,751 or 27.0% compared with the six months ended June 30, 2017 due a reduction in office rent resulting from renegotiated lease terms effective as of the end of September 2017 (see **Commitments** on page 11).

Interest and other expenses are comprised of bank charges and interest, as well as any advertising, promotional costs or charitable contributions.

### Critical Accounting Policies

Reference should be made to the Corporation's significant accounting policies contained in note 2 to CSRI's audited financial statements for the year ended December 31, 2017. These accounting policies may have a significant impact on the financial performance and financial position of the Corporation.

The preparation of the Corporation's financial statements requires management to use estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities as at the date of the financial statements, and the amounts of expenses reported during the period(s). Such estimates and assumptions affect the calculation of depletion and depreciation, the estimated costs associated with the decommissioning liability, the determination of the potential impairment of petroleum and natural gas properties and E&E assets, and the calculations of share-based compensation and deferred income taxes. Management re-evaluates its estimates and assumptions on an on-going basis, but actual results may differ from those estimates. The most critical accounting policies used by the Corporation upon which estimates and assumptions are required are the impairment of petroleum and natural gas properties and E&E assets, the fair value of assets and liabilities, share-based compensation, and deferred income taxes.

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### **Fair Value of Financial Instruments**

#### ***Non-derivative Financial Instruments***

Non-derivative financial instruments are comprised of cash and cash equivalents, accounts receivable & other accrued receivables, restricted deposits and accounts payable & other accrued liabilities. Non-derivative financial instruments are recognized initially at fair value including, for instruments not at fair value through comprehensive loss, any directly attributable transaction costs. Subsequent to initial recognition, non-derivative financial instruments are measured as described below.

Cash and cash equivalents are comprised of cash on hand, unrestricted term deposits held with banks, and other short-term highly liquid investments with original maturities of three months or less. Bank overdrafts and amounts owed under lines of credit, if any, that are repayable on demand form part of the Corporation's cash management whereby management has the ability and intent to net bank overdrafts against cash, and are included as a component of cash and cash equivalents, for the purpose of the statement of cash flows.

Other non-derivative financial instruments include accounts receivable & other accrued receivables and accounts payable & other accrued liabilities. Accounts receivable & other accrued receivables are measured using the effective interest rate method, less any impairment losses. Accounts payable & other accrued liabilities are initially recognized at the amount required to be paid less any required discount to reduce the payable to fair value.

The Corporation has adopted the following IFRS accounting classifications for its financial assets: cash and cash equivalents and accounts receivable & other accrued receivables are classified as *loans and receivables*, and restricted deposits are classified as *held-to-maturity*. The Corporation has no financial assets classified as *available-for-sale*. Financial liabilities include accounts payable & other accrued liabilities and are classified as *other financial liabilities*.

#### ***Derivative Financial Instruments***

The Corporation may enter into certain financial derivative contracts in order to manage the exposure to market risks from fluctuations in commodity prices, shares prices, interest rates or foreign exchange rates. These instruments are not used for trading or speculative purposes. Any embedded derivatives are valued at fair value at each reporting period. Transaction costs are recognized in the statement of operations when incurred. The Corporation did not enter into any derivative financial instruments during the respective comparative periods.

### **New Accounting Policies**

Reference should be made to the changes in accounting policies and practices under IFRS contained in note 3 to the Corporation's audited financial statements for the year ended December 31, 2017. In addition, as of January 1, 2018, the Corporation adopted those IFRS standards disclosed therein that became effective for annual periods commencing on or after January 1, 2018. The adoption of those standards or amendments to previous standards had no material impact on the amounts recorded in the unaudited interim condensed financial statements for the three and six months ended June 30, 2018 or on the comparative prior periods. Other upcoming changes in IFRS may have a significant impact on the financial performance and financial position of the Corporation.

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#### Share Capital

##### *Common Shares*

The Corporation has authorized share capital of an unlimited number of common shares with no par value. As at June 30, 2018, and as at the date of this report, there were 177,494,004 common shares outstanding.

The Corporation has closed one share issuance transaction since the beginning of 2017. The Corporation closed, effective November 17, 2017, a rights offering equity financing (the "Rights Offering"). The Rights Offering issued rights to holders of the Corporation's common shares at the close of business on the record date of October 27, 2017 on the basis of one right for each common share held. Each nine and one-half rights entitled the holder to subscribe for one common share of CSRI upon payment of the subscription price of \$0.12 per common share prior to the expiry date of November 14, 2017. The Rights Offering was fully subscribed and subsequently 16,785,143 common shares were issued resulting in total gross proceeds to the Corporation of \$2,014,217. Share issue costs of \$68,186 were incurred in relation to the Rights Offering.

##### *Share Purchase Warrants*

As at June 30, 2018, and as at the date of this report, there were Nil share purchase warrants outstanding.

##### *Stock Options*

During the six months ended June 30, 2018, Nil (2017: 700,000) stock options expired and Nil (2017: Nil) stock options were granted. As at June 30, 2018, and as at the date of this report, the Corporation had outstanding options to purchase 7,048,000 common shares (being 4.0% of the common shares outstanding) at a weighted average exercise price of \$0.23 per common share.

##### **Off-Balance Sheet Transactions**

The Corporation had no off-balance sheet transactions during the three and six months ended June 30, 2018 or 2017.

##### **Related Party Transactions**

Transactions with related parties are recorded at exchange amounts for services provided. During the three and six months ended June 30, 2018, the transactions the Corporation had with its directors, related persons or controlled entities in the normal course of business are as follows:

The principal of Jeffrey E. Dyck Professional Corporation ("DyckCorp"), also a former partner of a major outside law firm, has been the Corporate Secretary of the Corporation since September 1, 2014, and became a director of CSRI effective May 28, 2015. Effective July 1, 2016, CSRI retained DyckCorp to provide legal, director and corporate secretary services. During the three and six months ended June 30, 2018, the Corporation incurred \$8,610 and \$14,427, respectively, (2017: \$9,896 and \$15,209, respectively) of total fees and disbursements, including taxes, from DyckCorp. Such fees have been recorded at amounts agreed upon by the respective parties. The Corporation expects to retain the services of both DyckCorp and other outside law firms from time to time. As at June 30, 2018 an accounts payable balance of \$8,610 (December 31, 2017: \$20,039) was outstanding to DyckCorp.

Under the Rights Offering closed by the Corporation on November 17, 2017 (see *Common Shares* above), directors, executive officers and insiders of the Corporation subscribed to a total of 13,808,022 common shares (82.3% of the total) for total gross proceeds of \$1,656,963.

Executive compensation for the three and six months ended June 30, 2018 consists of amounts paid to or earned by executive officers, including incentives and benefits, of \$131,344 and \$271,093, respectively, (2017: \$149,262 and \$305,527, respectively) as well as fees paid to non-executive directors of \$12,000 and \$24,000, respectively, (2017: \$8,000 and \$16,000, respectively).

# Canadian Spirit Resources Inc.

## MANAGEMENT DISCUSSION AND ANALYSIS

### For the three and six month periods ended June 30, 2018

#### **Commitments**

The Corporation had no capital commitments as at June 30, 2018. The Corporation's office sub-lease agreement was amended during a prior period to extend to September 30, 2017. The amended sub-lease required the Corporation to pay base annual rent of \$11.00 per square foot (formerly \$19.00 per square foot) plus operating costs on 3,420 square feet. In June 2017, the sub-lease agreement was amended a second time on a month-to-month term basis beyond September 30, 2017 at a base annual rent of \$Nil per square foot plus operating costs.

#### **Going Concern**

The unaudited interim condensed financial statements for the three and six months ended June 30, 2018 have been prepared using IFRS as they apply to a going concern, which contemplates the realization of assets and settlement of liabilities in the normal course of operations as they come due. For the six months ended June 30, 2018 the Corporation has reported a net loss and comprehensive loss of \$0.7 million (2017: \$0.6 million) and an accumulated deficit of \$83.2 million as at that date (December 31, 2017: \$82.5 million). In addition to covering on-going net working capital (*non-GAAP measure*) requirements and recurring negative cash flows used in operating activities, the Corporation will need to secure additional funding for any future exploration and development programs. In conjunction with recent energy price fluctuations, the current natural gas market continues to experience low commodity prices due to excess supply and the lack of both local pipeline egress and additional international markets to sell into. These circumstances cause material uncertainties that may cast significant doubt upon the Corporation's ability to continue as a going concern, and accordingly, the appropriateness of the use of accounting principles applicable to a going concern.

In recognition of these circumstances, the Corporation raised a total of \$2.2 million of equity in the fourth quarter 2017 via a rights offering (see **Share Capital** on page 10) and the exercise of share purchase warrants. Management has also undertaken steps to reduce production operating costs and general and administrative expenses, including but not limited to, field operational efficiencies, renegotiation of its office lease terms, and reductions in staffing levels/remuneration. These undertakings, while significant, are not sufficient in and of themselves to enable the Corporation to fund all aspects of its forecasted operations and any future exploration and development program, and accordingly, management will need to pursue other financing alternatives to fund the Corporation so that it may continue as a going concern. The necessary financing may be secured through either the issue of new equity or debt instruments or entering into new joint venture or farm-in arrangements. Nevertheless, there is no assurance that such initiatives would be successful.

CSRI's ability to continue as a going concern is dependent upon its ability to fund any future exploration and development programs as well as generate positive cash flows from operating activities. The unaudited interim condensed financial statements for the three and six months ended June 30, 2018 do not reflect any adjustments to the carrying values and classifications of assets and liabilities, or to the reported revenues and expenses that would be necessary if the Corporation were unable to realize its assets and settle its liabilities as a going concern in the normal course of operations; such adjustments could be material.

# **Canadian Spirit Resources Inc.**

## **MANAGEMENT DISCUSSION AND ANALYSIS**

**For the three and six month periods ended June 30, 2018**

### **Business Risks**

#### ***Productivity***

A material risk facing the Corporation is the productive capability of the discovered and undiscovered shale natural gas resources on the Corporation's existing land base at Farrell Creek/Altares and the Corporation's ability to extract the potential natural gas and natural gas liquids resources economically. The Corporation will continue to utilize the knowledge, experience and technology available in the service sector to improve the productivity of the resources in this natural gas and natural gas liquids basin in NEBC.

#### ***Exploration and Development***

The Corporation, along with its joint venture partner Canbriam, is exploring the resource potential of the Montney Formation. A number of successful vertical and horizontal wells have been drilled into the Montney Formation in the vicinity of the Corporation's lands and public information is now available on a number of these wells. This has significantly reduced the exploration risk associated with the Montney Formation in the area. Exploration risk includes both determining the existence of commercial quantities of hydrocarbons and the ability to recover any potential resource economically. Recognizing the technical expertise, operating capability and financial resources needed to explore these deeper formations, the Corporation entered into a joint venture which has resulted in the exploration, development and production of its Deep Rights at Farrell Creek/Altares with the joint venture partner bearing the initial capital cost of this program.

#### ***Financial Resources and Liquidity***

The Corporation's ability to continue its operations is highly dependent upon capital markets. Its ability to develop its assets and realize their carrying values is dependent upon the continued support of its shareholders and joint venture partner, favorable capital market conditions and commodity prices, obtaining additional equity financing, converting undiscovered and discovered resources into economically recoverable reserves, and ultimately, generating revenues sufficient to cover operating costs and capital requirements. Without the support of any one of these factors, or a number of them together, the Corporation's ability to continue its operations could be compromised.

To minimize financial risk, the Corporation pre-funds all capital commitments. Included in such estimated capital commitments is a minimum level of administrative and operating costs to see the Corporation through any potential disruption in the equity market and any commodity price downward cycle.

#### ***Commodity Prices***

The Corporation's exploration and development efforts are targeted principally on natural gas and natural gas liquids. There exists an efficient and sophisticated market for natural gas and natural gas liquids in North America which is sensitive to factors affecting the supply of and demand for these commodities. Natural gas prices influence the Corporation's investment decisions, and the timing of its commercial natural gas production which will impact the Corporation's revenue and cash flow. The Corporation considers publicly available price forecasts for natural gas and natural gas liquids in its evaluation of investment economics and returns.

#### ***Operating Capability***

The Corporation is pursuing large natural gas and natural gas liquids resource plays that if successful will require additional operating staff and experience to fully develop. The Corporation has a technically strong team suitable for its current operations but does not currently possess the skills and staff needed to conduct an efficient large scale development operation. To mitigate the risk inherent in assembling the necessary operating team, the Corporation entered into a joint venture with an operator with the necessary experience and skills.

# Canadian Spirit Resources Inc.

## MANAGEMENT DISCUSSION AND ANALYSIS

**For the three and six month periods ended June 30, 2018**

### *Land Acquisition and Tenure*

Rights to explore for and extract hydrocarbons are generally acquired from the Crown or private parties and require certain work to be performed within a specific time period to retain such mineral rights. Mineral rights acquired from the Crown are usually obtained through a closed bid process. In order to expand its exploration activity, the Corporation must have the financial resources needed to bid on Crown mineral rights and if successful, must have the additional funds to make the required exploration expenditures. The Corporation has acquired its existing mineral rights from the Province of British Columbia and, as a result of drilling expenditures on its lands through to the date of this report, has retained these mineral rights for terms of up to ten years. The Corporation continues to use joint ventures as well as targeted drilling and development activity to reduce the risk of losing any of its mineral rights.

### *Environment and Public Policy*

The exploration, development and production activities of the Corporation are highly regulated and the trend of public policy is to provide additional incentives and regulations to reduce the impact of industry activity on the environment. The principal component produced during production operations that would impact the environment are fracture fluids. The fracture fluids are recycled and ultimately re-injected into deep geologic formations at a commercial facility and in future, may be re-injected at Corporation-owned facilities.

### **Reader's Advisories**

#### *Non-GAAP/IFRS Terminology*

This MD&A contains important, comparable industry benchmarks such as net working capital and operating netbacks which are not recognized measures under IFRS, referred to as Generally Accepted Accounting Principles ("GAAP"). Management believes these measures are useful for reporting purposes, but cautions readers that these measures not be considered as alternatives in accordance with GAAP.

Net working capital is defined as total current assets less total current liabilities, which management feels is a useful supplementary measure of the liquidity of the Corporation. Operating netbacks are calculated by taking petroleum and natural gas sales, net of royalties expense (adding back royalty credits applied to P,P&E in the financial statements as the royalties expense is a non-cash item) less operating costs from the statement of operations and dividing by production for the period. Management feels that operating netbacks are a key industry benchmark and a measure of performance of the Corporation that provides investors/readers with information that is commonly used by other petroleum and natural gas producers.

#### *Frequently-used Industry Terminology*

The Corporation uses the following frequently recurring industry terms in this MD&A: "boe" refers to barrels of oil equivalent, "Mboe" refers to thousand barrels of oil equivalent, "Mbbls" refers to thousands of barrels, "GJ" refers to gigajoules, "Mcf" refers to thousand cubic feet, "MMcf" refers to million cubic feet, "Bcf" refers to billion cubic feet, "Tcf" refers to trillion cubic feet, "MMbtu" refers to million British thermal units, and "/d" refers to per day. Disclosure provided herein in respect of a boe may be misleading, particularly if used in isolation. The Corporation uses a boe conversion ratio of 6 Mcf of natural gas to 1 barrel of crude oil equivalent. Given that the value ratio based on the current price of crude oil as compared to natural gas is significantly different from the energy equivalency of 6:1, utilizing a conversion on a 6:1 basis may be misleading as an indication of value. The Corporation also uses a natural gas heating content conversion ratio of 1 Mcf to 1.05 GJ. These conversion ratios are based on energy equivalency conversion methods primarily applicable at the burner tip and do not necessarily represent a value equivalency at the wellhead.

# Canadian Spirit Resources Inc.

## MANAGEMENT DISCUSSION AND ANALYSIS

**For the three and six month periods ended June 30, 2018**

### *Forward-looking Statements*

Information provided herein contains estimates and assumptions which management is required to make regarding future events and may constitute forward-looking statements within the meaning of applicable securities laws. Management's assessment of future plans and operations, capital expenditures, methods of financing capital expenditures and the ability to fund financial liabilities, expected commodity prices, expected increases in royalty rates, and the timing of and impact of adoption of new accounting policies under IFRS/GAAP may constitute forward-looking statements under applicable securities laws and necessarily involve risks including, without limitation, risks associated with natural gas exploration, development, exploitation, production, marketing and transportation, loss of markets, volatility of commodity prices, currency fluctuations, imprecision of reserve estimates, environmental risk, competition from other producers, inability to retain drilling rigs and other services, incorrect assessment of the value of acquisitions, failure to realize the anticipated benefits of acquisitions, the inability to fully realize the benefits of the acquisitions, delays resulting from or inability to obtain required regulatory approvals and ability to access sufficient capital from internal and external sources.

Although management believes the expectations reflected in such forward-looking statements are reasonable, it can give no assurance that such expectations will be realized. The use of any of the words "anticipate", "believe", "continue", "estimate", "expect", "forecast", "may", "intend", "likely", "will", "project", "plan", "should", "possible", "probable", "schedule", "position", "goal", "objective", and similar expressions are intended to identify forward-looking information. These statements are subject to certain risks and uncertainties and may be based on assumptions that could cause actual results to differ materially from those anticipated or implied in the forward-looking statements. For the risks associated with these forward-looking statements see **Business Risks** on pages 12 and 13.

The Corporation will endeavor to update all forward-looking statements for any material changes to the circumstances or information and estimates presented herein as feasible or as required by applicable securities laws.

### **Corporate Information**

Additional information regarding the Corporation is available on SEDAR at [www.sedar.com](http://www.sedar.com) or the Corporation's website at [www.cspi.ca](http://www.cspi.ca).