



SHAMARAN
petroleum corp

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SHAMARAN petroleum corp

***Management's Discussion
and Analysis***

*For the three and six months ended June 30, 2020
(UNAUDITED)*

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Reserves estimates, contingent resource estimates and estimates of future net revenue in respect of ShaMaran's oil and gas assets in the Atrush Block are effective as at December 31, 2019, and are included in the report prepared by McDaniel & Associates Consultants Ltd. (McDaniel), an independent qualified reserves evaluator, in accordance with National Instrument 51-101 – *Standards of Disclosure for Oil and Gas Activities* (NI 51-101) and the Canadian Oil and Gas Evaluation Handbook (the COGE Handbook) and using McDaniel's January 1, 2020 price forecasts. Certain abbreviations and technical terms used in this MD&A are defined or described under the heading "Other Supplementary Information".

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

INTRODUCTION

Management's discussion and analysis ("MD&A") of the financial and operating results of ShaMaran Petroleum Corp. (together with its subsidiaries, "ShaMaran" or the "Company") is prepared with an effective date of August 12, 2020. The MD&A should be read in conjunction with the unaudited condensed interim consolidated financial statements for the three and six months ended June 30, 2020, together with the accompanying notes.

Basis of Preparation

The MD&A and the Financial Statements have been prepared in accordance with International Financial Reporting Standards ("IFRS") as issued by the International Accounting Standards Board ("IASB").

Unless otherwise stated herein all currency amounts indicated as "\$" in this MD&A are expressed in thousands of United States dollars ("USD").

Overview of the Company

ShaMaran is a Canadian oil and gas company listed on the TSX Venture Exchange and the NASDAQ First North Growth Market (Sweden) under the symbol "SNM." The Company has a 27.6% ownership interest in Atrush Block, a high-quality oil field in Kurdistan that has a large production base with significant growth potential. As a Lundin Group Company, ShaMaran can leverage the expertise and strength of a group that has been building resource companies around the world for more than 40 years.

Oil production from Atrush commenced in July 2017. Installed production facilities have a capacity of over 50,000 barrels of oil per day ("bopd"). Fourteen wells have been drilled to date and ten wells are currently producing.

The continuing challenges posed by the coronavirus ("COVID-19")¹ pandemic are being met with a comprehensive action plan which was initially implemented in February 2020. This action plan aims to ensure operations staff wellbeing and assure business continuity. Oil prices have recovered to some extent from the extreme lows established earlier this year but Atrush partners further strengthening of prices is required to support new field development project spending. Despite these operational and budgetary constraints, Atrush's production guidance for 2020 is maintained at 44,000 to 50,000 bopd.

The Atrush Block is located in the Kurdistan Region of Iraq, approximately 85 kilometres northwest of Erbil, the capital of Kurdistan. The Atrush Block is 269 square kilometres in area and has oil proven in Jurassic fractured carbonates in the Chiya Khere structure. Total discovered oil in place in the Atrush Block is a low estimate of 1.6 billion barrels, a best estimate of 2.0 billion barrels and a high estimate of 2.6 billion barrels.

Atrush is continuously being appraised and further phases of development, including further drilling and possible facilities expansion, will be defined based on production data, appraisal information and economics.

¹ In March 2020 the World Health Organization declared a global pandemic following the emergence and rapid spread of a novel strain of COVID-19. The outbreak and subsequent measures intended to limit the pandemic contributed to significant declines and volatility in financial markets. The pandemic adversely impacted global commercial activity, including significantly reducing worldwide demand for crude oil.

The full extent of the impact of COVID-19 on the Company's operations and future financial performance is currently unknown. It will depend on future developments that are uncertain and unpredictable, including the duration and spread of COVID-19, its continued impact on capital and financial markets on a macro-scale and any new information that may emerge concerning the severity of the virus. These uncertainties may persist beyond when it is determined how to contain the virus or treat its impact. The outbreak presents uncertainty and risk with respect to the Company, its performance, and estimates and assumptions used by Management in the preparation of its financial results.

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SECOND QUARTER 2020 HIGHLIGHTS AND KEY SUBSEQUENT EVENTS

In the second quarter of 2020 average daily production was up from the prior quarter, from 46.7 Mbopd to 46.9 Mbopd, representing the fifth consecutive quarterly production increase, despite the increasingly challenging operating environment resulting from the COVID-19 pandemic. In addition the Company successfully resolved the imminent liquidity shortfall cited in the Company's financial statements for the first quarter of 2020.

Financial and Corporate

Liquidity shortfall successfully resolved:

- On July 5, 2020 the Company and its Bondholders executed an amendment and restatement agreement as well as related supporting documentation which provided for principal changes to previously agreed bond terms. These changes address the Company's financial covenant breach and the liquidity shortfall and will now enable the Company to re-focus efforts on its core business and give the time and flexibility needed to strengthen ShaMaran's financial position.

Regular oil sales payments:

- The Kurdistan Regional Government of Iraq ("KRG") has in the following month paid for oil deliveries from March to June 2020.
- The KRG has communicated its commitment to future payment of \$41.7 million owed to the Company for \$34 million of deliveries from November 2019 to February 2020 and an additional \$7.7 million of Atrush Exploration Costs receivable invoiced over the same period. The Company remains actively engaged with the KRG to progress this matter.

Operations

COVID-19 response:

- The comprehensive COVID-19 action plan implemented in February 2020 continued in the second quarter of 2020 with overriding objectives of ensuring personnel safety and wellbeing as well as assuring efficient business continuity. This strategy has so far been successful with no COVID-19 cases recorded in the Atrush Block or the Erbil Operating Office.

Strong Atrush production performance:

- Continued high level of production in Q2 2020 with an average daily production of 46.9 Mbopd compared to Q1 2020 production of 46.7 Mbopd. This was mainly due to stabilizing contributions from new 2019 wells and increased processing capacity at Early Production Facility ("EPF") at the Chamanke-E drilling location.
- Produced 66% more oil in Q2 2020 compared to Q2 2019 production (46.9 Mbopd vs. 28.3 Mbopd) and was within the 2020 production guidance range of 44,000 to 50,000 bopd.

Decreasing lifting costs:

- The average lifting cost per barrel of oil produced from Atrush in the quarter was \$5.36 per barrel which was significantly down 42% from \$9.28 per barrel in Q2 2019 and down 9% from \$5.90 per barrel in Q1 2020. The significant reduction from Q2 2019 was mainly due to Q2 2019 including additional costs to manage salt issues, water handling and well workovers, and to spreading the fixed operating costs over a larger production volume in the second quarter of this year which was 66% higher than Q2 2019.

Significant reductions in planned spending:

- In light of the current uncertainties, the ongoing low oil price environment and the market volatility, the Company and the operator, TAQA Atrush BV, have significantly reduced planned 2020 spending while retaining the ability to quickly ramp up development in response to improving circumstances. Capital expenditures are reduced by 80%, from \$131 million to \$28 million gross, from \$36 million net to \$8 million net for the Company.

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OPERATIONS REVIEW

COVID-19 Response:

With the objectives of ensuring operations personnel safety and wellbeing as well as assuring business continuity, a COVID-19 action plan was implemented in February 2020 comprising the following principal elements:

1. Minimisation of Operations Team Exposure:
 - All non-critical expat personnel demobilized before mid-March 2020,
 - On-site teams adjusted to respond to pandemic environment,
 - Workforce schedule optimised to accommodate curfews and personnel rest during extended rotations and
 - All arriving personnel undergoing quarantine procedures.
2. Monitoring and Mitigation of COVID-19 impacts:
 - Daily health monitoring in place for all Field based personnel and in Erbil Office and
 - Strategy in place to maintain adequate stocks of critical supplies.

This strategy has so far been successful with no COVID-19 cases recorded in the Atrush Block or the Erbil Operating Office.

Production

	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Atrush average daily oil production – gross 100% field (Mbopd)	46.9	28.3	46.8	27.3
Atrush oil sales – gross 100% field (Mbbbl)	4,266	2,575	8,512	4,940
Shamaran's entitlement in Atrush oil sales:				
• Mbbbl related to initial 20.1% interest ²	388	255	798	508
• Mbbbl related to additional 7.5% interest	145	29	298	29
Total Company entitlement (Mbbbl)	533	284	1,096	537

Atrush production for the quarter was up 66% compared to Q2 2019 mainly due to:

- Additional production from new wells Chiya Khere-6, Chiya Khere-10, Chiya Khere-11, Chiya Khere-12, Chiya Khere 13 and Chiya Khere 15.
- Debottlenecking of PF-1.
- Expansion of the EPF.

Production has been very stable during Q2 2020 with overall uptime exceeding 98% and the fifth consecutive quarterly increase in average daily production of 46.9 Mbopd.

Facilities

Operational continued cost savings are being made through the replacement of temporary equipment with permanent solutions. The latest example of this is the inclusion of stripper columns at the pad E EPF which significantly reduce the volumes of chemicals required to achieve export specification oil. This deliberate strategy allows for rapid solutions to resolve immediate production constraints (i.e. flowline tie-ins, desalting facilities, water injection facilities) and also allow for fit-for-purpose, cost-effective permanent solutions to be designed and implemented.

Field Development Planning

The 2020 update to the Atrush Field Development Plan ("FDP") has been drafted and is currently under peer review. This FDP update will form the base for the Atrush 2021 work program and budget and is expected to be submitted to the KRG for approval during the second half of 2020.

² On May 30, 2019, the Company completed its acquisition of an additional 7.5% participating interest in the Atrush block, increasing its interest from 20.1% to 27.6%.

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Reserves and Resources

The Company reported estimated reserves and contingent resources for the Atrush field as at December 31, 2019, as reported by the Company's independent reserves and resources evaluator, McDaniel & Associates Consultants Ltd ("McDaniel").

Total field proven plus probable ("2P") reserves on a Company gross basis for Atrush increased from 21.3 million barrels reported as at December 31, 2018, to 29.9 million barrels as at December 31, 2019.

Total field unrisked best estimate contingent oil resources ("2C")³ on a Company gross basis for Atrush increased from the 2018 estimate of 53.9 million barrels to 67.2 million barrels as at December 31, 2019.

Total discovered oil in place in the Atrush block is a low estimate of 1.6 billion barrels, a best estimate of 2.0 billion barrels and a high estimate of 2.6 billion barrels.

For more information on reserves and resources please reference our Form 51-101 F1 Statement of Reserves Data and Other Oil and Gas Information as at December 31, 2019.

Operational Outlook

The updated guidance for 2020 is as follows:

- Atrush field gross average daily production is expected to range from 44,000 bopd to 50,000 bopd. Final 2020 production will depend principally on well, facility and export pipeline uptimes and possible OPEC+ cuts if applicable to Kurdistan producers and further unanticipated complications arising from the COVID-19 pandemic.
- Average lifting costs are estimated to range to \$4.50 per barrel to \$5.10 per barrel (from previous guidance range of \$5.50 per barrel to \$6.70 per barrel).
- Atrush gross capital expenditures for 2020 are estimated at \$28 million (\$8 million net to ShaMaran) for previously commenced facility improvements and planning, including:
 - design of facilities designed to eliminate gas flaring at Atrush, an important initiative in environmentally responsible operations;
 - submission to the KRG of the FDP 2020 in the second half of 2020.
- The KRG has committed to paying for monthly production each following month starting with March 2020. The KRG has honored the commitment with most recent payment of \$4.8 million for June deliveries received on July 27, 2020.

Business Overview

Ownership and Principal Terms of the Atrush PSC

Ownership

ShaMaran, through its wholly owned subsidiary, General Exploration Partners, Inc. ("GEP"), holds a 27.6% direct interest in the Atrush PSC. The other interests in Atrush are held by TAQA Atrush B.V. ("TAQA" a subsidiary of Abu Dhabi National Energy Company PJSC, and the "Operator" of the Atrush Block) with a 47.4% direct interest and the KRG a 25% direct interest. TAQA and GEP together are the "Non-Government Contractors" to the Atrush PSC. The Non-Government Contractors and the KRG together are the "Contractors" to the Atrush PSC.

For additional background and history on Atrush ownership please refer to the Company's Annual Information Form for the year ended December 31, 2019, which is available for viewing both on the Company's web-site at www.shamaranpetroleum.com and on SEDAR at www.sedar.com, under the Company's profile.

Principal Terms of the Atrush PSC

Under the terms of the Atrush PSC, the development period is for 20 years beginning October 1, 2013 with an automatic right to a five-year extension and the possibility to extend for an additional five years. All qualifying petroleum costs incurred by the Contractors shall be recovered from a portion of available petroleum production, defined under the terms of the Atrush PSC. All modifications to the Atrush PSC are subject to the approval of the Non-Government Contractors and the KRG.

Fiscal terms under the Atrush PSC include a 10% royalty and a variable profit split based on a percentage share to the KRG. GEP has the right to recover costs using up to 40% of the available oil (produced oil less royalty oil) and 55% of the produced gas. The Contractors are entitled to cost recovery in respect of all costs and expenditures incurred for exploration, development, production and decommissioning operations, as well as certain other allowable direct and indirect costs.

The portion of profit oil available to the Contractors is based on a sliding scale from 32% to 16% depending on the "R-Factor," which is a ratio of cumulative revenues to cumulative costs. When the ratio is below one, the Contractors are entitled to 32% of profit oil, with a reducing scale to 16% when the ratio is greater than 2.75. In respect of gas, the sliding scale is from 40% to 22%.

³ This estimate of remaining recoverable resources (unrisked) includes contingent resources that have not been adjusted for risk based on the chance of development. It is not an estimate of volumes that may be recovered.

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Business Outlook

The Company, through decisive actions to scale back development, has retained the resilience required to continue forward in these uncertain times while remaining agile to scale back up pending a stabilization of the macro economic factors. Further, the steps taken to address the significant liquidity constraints prevailing at the end of the last quarter enable the Company to now re-focus its efforts on its ongoing core business and provide critical time and flexibility to strengthen its financial position. Uncertainty still remains in the world oil markets but the Company is now better positioned to benefit from improving future conditions.

FINANCIAL REVIEW

Financial Results

Selected Quarterly Financial Information

The following is a summary of selected quarterly financial information for the Company:

USD Thousands (except per share data)	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019	Q1 2019	Q4 2018	Q3 2018
Continuing operations:								
Revenue	7,393	19,841	24,345	18,804	15,071	12,071	14,531	13,240
Cost of goods sold	(13,562)	(20,771)	(14,071)	(13,648)	(12,233)	(10,307)	(15,969)	(6,945)
General and admin expense	(2,512)	(1,876)	(2,975)	(1,881)	(1,996)	(1,580)	(1,913)	(785)
Share based payments	(406)	(716)	(205)	(339)	(400)	-	-	-
Depreciation and amortization	(50)	(49)	(46)	(52)	(3)	(2)	(1)	(1)
Impairment loss	-	(116,164)	-	-	-	-	-	-
Finance cost	(5,469)	(5,479)	(5,507)	(5,402)	(5,449)	(9,067)	(7,347)	(8,586)
Finance income	1	34	71	112	235	408	900	369
Net gain on Atrush acquisition	-	-	-	-	750	-	-	-
Income tax expense	(26)	(31)	(26)	(14)	(43)	(18)	(25)	(12)
Net (loss) / income	(14,631)	(125,211)	1,586	(2,420)	(4,068)	(8,495)	(9,824)	(2,720)
Basic and diluted net (loss) / inc in \$ per share	(0.007)	(0.058)	0.001	(0.001)	(0.002)	(0.004)	(0.005)	(0.001)

Summary of Principal Changes in the Second Quarter Financial Information

The \$15 million net loss in Q2 2020 was primarily driven by significantly reduced revenues due to the steep decline in the price of Brent oil. The drop in average oil prices between the first and second quarters of 2020, down \$20.99 per barrel, have resulted in a \$12.4 million negative impact on revenues from sales of second quarter production. The effect of oil price drop between the last quarter of 2019, a time prior to the oil price volatility associated with the onset of the COVID-19 pandemic, and the second quarter of 2020, down \$33.70 per barrel, has had a \$18.1 million negative impact.

Second quarter income and expenses are explained in more detail in the following sections.

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EBITDAX - Non-IFRS Measures

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Revenues	7,393	15,071	27,234	27,142
Lifting costs	(6,311)	(5,372)	(13,225)	(9,598)
Other costs of production	(46)	(767)	(3,768)	(1,447)
General and administrative expense	(2,512)	(1,996)	(4,388)	(3,576)
Share based payments	(406)	(400)	(1,122)	(400)
EBITDAX	(1,882)	6,536	4,731	12,121

Earnings before interest, tax, depreciation, amortisation, and exploration expense ("EBITDAX")⁴ is calculated as the net result before financial items, taxes, depletion of oil and gas properties, impairment costs, depreciation and exploration expenses and adjusted for non-recurring profit/loss on sale of assets and other income. Explanations of the significant variances between periods are provided in the following sections.

Gross margin on oil sales

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Revenue from Atrush oil sales	7,393	15,071	27,234	27,142
Lifting costs	(6,311)	(5,372)	(13,225)	(9,598)
Other costs of production	(46)	(767)	(3,768)	(1,447)
Depletion costs	(7,205)	(6,094)	(17,340)	(11,495)
Cost of goods sold	(13,562)	(12,233)	(34,333)	(22,540)
Gross margin on oil sales	(6,169)	2,838	(7,099)	4,602

Revenue from Atrush oil sales relates to the Company's entitlement share of oil sales from Atrush. There was a significant impact to revenue in the second quarter of 2020 compared to the first quarter of 2020 due to the dramatic fall in oil prices. The decrease in revenues between the second quarter of 2020 and 2019 were driven by lower average net oil prices between the periods but were somewhat offset by higher average daily production (46.9Mbopd vs 28.3Mbopd) and a larger Atrush interest (27.6% vs 20.1%) from June 2019 onwards. Second quarter 2020 production was sold at an average annual net oil price of \$13.87 per barrel after deducting \$15.77 per barrel average annual discount for oil quality and transportation costs which compares, respectively, to \$53.06 and \$15.43 for oil sales made in the second quarter of 2019. The higher Atrush production and larger interest in Atrush resulted in increased revenues of \$13.2 million (88%) which was offset by \$20.9 million of negative impact on revenues due to sales of oil at lower average quarterly oil prices by \$39.20 per barrel.

Lifting costs are comprised of the Company's share of expenses related to the production of oil from the Atrush Block including operation and maintenance of wells and production facilities, insurance, and the Operator's related support costs. The average lifting cost per barrel of Atrush oil was \$5.36 per barrel in Q2 2020 (Q2 2019: \$9.28 per barrel). The decrease per barrel related to lower total lifting costs which in Q2 2019 included additional costs to manage salt issues, water handling and well workovers, and to spreading the fixed operating costs over the larger production volume in the second quarter of this year which was 66% higher than in Q2 2019.

Other costs of production include the Company's share of production bonuses paid to the KRG and its share of other costs prescribed under the Atrush PSC. Other costs of production in the first six months of 2020 included \$3.7 million due to the KRG for the Company's share of the production bonus related to cumulative oil production from Atrush of 25 million barrels which was reached in February 2020.

Depletion costs per entitlement barrel in Q2.2020 was \$13.52 (Q2 2019: \$21.46). The decrease is due to a number of factors, most notably, an increase in reserves determined in the 2019 yearend reserves report which spread depletion cost over more barrels, the decrease of the asset base due to the quarter one impairment and the increase in the Company's entitlement production between the periods.

Gross margin on oil sales was lower in Q2 2020 by \$9 million mainly because of the \$20.9 million negative impact of the lower oil prices. Lifting costs and depletion costs increased as expected with increased production, however costs per barrel were lower as discussed above. The drop in gross margin due to increased lifting and depletion costs and lower oil prices was offset by \$13.2 million of positive effect due to the 66% higher production and an additional 7.5% working interest from June 2019.

⁴ Non-IFRS measures do not have any standardized meaning prescribed by IFRS and are therefore unlikely to be comparable to similar measures presented by other public companies. Non-IFRS measures should not be considered in isolation or as a substitute for measures prepared in accordance with IFRS. The Corporation uses non-IFRS measures to provide investors with supplemental measures

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General and administrative expense

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Management and consulting fees	1,112	332	1,691	796
Salaries and benefits	810	1,371	1,609	2,008
Legal, accounting and audit fees	397	34	611	289
General and other office expenses	101	95	207	179
Listing costs and investor relations	77	74	176	182
Travel expenses	15	90	94	122
General and administrative expense	2,512	1,996	4,388	3,576

The higher general and administrative expense incurred in Q2.2020 compared to the same period of 2019 was principally due to additional legal and consultancy costs related to the Company reviewing strategic and financial options to address the liquidity risk cited by the Company's in its financial statements for the first quarter of 2020.

Share based payments expense

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Option expense	265	181	853	181
RSU expense	133	-	210	-
DSU expense	8	219	59	219
Total share-based payments	406	400	1,122	400

The share-based payments expense relates to the vesting of stock options, granted deferred share units ("DSUs") and restricted share units ("RSUs"). At June 30, 2020 there was in total 60,910,000 outstanding stock options (2019: 10,000,000), 32,530,000 RSUs (2019: nil) granted to certain senior officers and other eligible persons of the Company and 7,346,877 DSUs (2019: 3,600,625) granted to ShaMaran's non-executive directors. The Company uses the fair value method of accounting for stock options, DSUs and RSUs whereby the fair value of all the grants is ultimately charged to operations. The fair value of common share options granted is estimated on the date of grant using the Black-Scholes option pricing model. DSUs and RSUs are initially fair valued on the grant date, thereafter DSUs are revalued on each balance sheet date due. Also refer to the discussion under the "Outstanding share data, share units and stock options" section below.

Depreciation and amortization expense

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Depreciation and amortization expense	50	3	99	5

Depreciation and amortization expense correspond to cost of use of the office, furniture and IT equipment at the Company's technical and administrative offices located in Switzerland and Kurdistan. The increase from 2019 to 2020 in the 6 months is due to the purchase of new furniture and IT equipment in the new Swiss office and the treatment of the Swiss office lease under the new 2019 accounting standard IFRS 16 Leases. A right-of-use asset for the lease has been recognised on the balance sheet and is depreciated over the term of the lease.

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Impairment loss

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Impairment loss	-	-	116,164	-

Due to the significant decline in world oil prices at the end of the first quarter of 2020 IFRS required that the Company undertake an impairment assessment of the recoverability of the net book value of its oil and gas assets. Accordingly, in the first quarter the Company recorded a \$48.5 million impairment loss on the book value of PP&E relating to the Company's Atrush 2P reserves base and a \$67.6 million impairment loss on the book value of intangible exploration and evaluation costs relate to the Company's Atrush 2C resource base. Refer to the "Capital Expenditures on Property, Plant & Equipment" and "Capital Expenditures on Intangible Assets sections below for additional information."

Finance income

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Interest on deposits	1	81	3	297
Interest on Atrush Development Cost Loan	-	92	-	205
Interest on Atrush Feeder Pipeline Cost Loan	-	62	-	136
Total interest income	1	235	3	638
Foreign exchange gain	-	-	13	3
Total finance income	1	235	16	641

Both the Atrush Development Cost Loan and the Atrush Feeder Pipeline Cost Loan were fully repaid in 2019.

Interest on deposits represents bank interest earned on cash, investments and restricted cash held in interest bearing funds. The decrease in interest income reported to date in 2020 relative to the amount reported in 2019 is due to a higher level of interest-bearing funds held in 2019.

Finance cost

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Interest charges on bonds at coupon rate	5,637	5,636	11,337	11,953
Amortization of bond transaction costs	33	32	65	782
Re-measurement of bond debt	-	-	-	2,131
Total borrowing costs	5,670	5,668	11,402	14,866
Foreign exchange loss	19	2	-	-
Lease – interest expense	2	-	4	-
Unwinding discount on decommissioning provision	23	(1)	14	9
Total finance costs before borrowing costs capitalized	5,714	5,669	11,420	14,875
Borrowing costs capitalized	(245)	(220)	(491)	(361)
Finance cost	5,469	5,449	10,929	14,514

The decrease in interest charges on bonds at coupon rate between the six-month reporting periods is due to less bonds outstanding during the period. The Company had \$240 million of bonds outstanding for the first 39 days of 2019 when \$50 million of bonds were retired on February 8, 2019 bringing bonds outstanding down to \$190 million where the balance has remained to date.

Borrowing costs are capitalized where they are directly attributable to the acquisition of, and preparation for their intended use, Atrush development assets. All other borrowing costs are recognized in profit or loss in the period in which they are incurred. For further information on the Company's borrowings refer to the discussion in the section below entitled "Borrowings". The increase in capitalized borrowing costs is due to additional development projects having been completed for their intended use between the reporting periods.

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Income tax expense

USD Thousands	Three months ended June 30		Six months ended June 30	
	2020	2019	2020	2019
Income tax expense	26	43	57	61

Income tax expense relates to provisions for income taxes on service income generated in Switzerland which is based on costs incurred in procuring the services. The decrease in tax expense reported in the second quarter of 2020 compared to 2019 is primarily due to lower taxable income in the Company's Swiss subsidiary which decreased due to lower costs of service.

Capital Expenditure

Capital Expenditures on Property, Plant & Equipment ("PP&E")

The net book value of PP&E is principally comprised of development costs related to the Company's share of Atrush PSC proved and probable reserves as estimated by McDaniel. The movements in PP&E are explained as follows:

USD Thousands	Six months ended June 30, 2020			Year ended December 31, 2019		
	Oil and gas assets	Office equipment	Total	Oil and gas assets	Office equipment	Total
Opening net book value	207,695	208	207,903	195,897	11	195,908
Additions	3,673	-	3,673	25,971	224	26,195
Atrush acquisition	-	-	-	11,549	-	11,549
Depletion and depreciation expense	(17,339)	(25)	(17,364)	(25,722)	(27)	(25,749)
Impairment	(48,550)	-	(48,550)	-	-	-
Net book value	145,479	183	145,662	207,695	208	207,903

During the first six months of 2020 movements in PP&E were comprised of additions of \$3.7 million (2019: \$37.7 million), which included capitalized borrowing costs of \$491 thousand (2019: \$361 thousand), net of depletion of \$17.4 million (2019: \$25.7 million) and an impairment of \$48.6 million (2019: nil) which resulted in a net decrease to PP&E assets of \$62.2 million.

Due to a significant decline in world oil prices in the first quarter of 2020 the Company conducted an impairment test to assess if the net book value of its oil and gas assets was recoverable. At the end of quarter one this led to a non-cash impairment loss of the Company's PP&E assets of \$48.6 million which is included in the statement of comprehensive income for the six months ended June 30, 2020.

Capital Expenditures on Intangible Assets

The net book value of Intangible assets is principally comprised of exploration and evaluation ("E&E") assets which represent the Atrush Block exploration and appraisal costs related to the Company's share of Atrush Block contingent resources as estimated by McDaniel. The movements in Intangible assets are explained as follows:

USD Thousands	Six months ended June 30, 2020			Year ended December 31, 2019		
	E&E assets	Software & Licences	Total	E&E assets	Software & Licences	Total
Opening net book value	67,616	33	67,649	67,825	4	67,829
Addition / (reversal)	-	6	6	(209)	39	(170)
Amortization expense	-	(7)	(7)	-	(10)	(10)
Impairment	(67,616)	-	(67,616)	-	-	-
Net book value	-	32	32	67,616	33	67,649

During the first six months of 2020 movements in E&E assets related entirely to an Impairment (year 2019: reversal \$209 thousand mainly due to the release of an overestimate of insurance costs).

Due to a significant decline in world oil prices in the first quarter of 2020 the Company conducted an impairment test to assess if the net book value of its E&E assets was recoverable. At the end of quarter one this led to a non-cash impairment loss of the Company's E&E assets of \$67.6 million which is included in the statement of comprehensive income for the six months ended June 30, 2020.

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

Financial Position and Liquidity

Loans and receivables

In November 2016 the Company entered into certain agreements with the KRG and other Atrush contractors for the reimbursement by the KRG to the Atrush contractors of certain costs incurred by KRG in the years 2013 through 2017 which were funded by the Atrush contractors. The Atrush Exploration Costs receivable, which relates to a share of the KRG's development costs paid for on behalf of the KRG by ShaMaran prior to the year 2016 which, for the purposes of repayment, are governed under the Atrush PSC and the related Facilitation Agreement and deemed to be Exploration Costs repaid through an accelerated petroleum cost recovery arrangement based on an agreed amount of the KRG's share of oil sales for each month's deliveries..

At June 30, 2020, the Company had loans and receivables outstanding as follows:

USD Thousands	For the six months ended	For the year ended
	At June 30, 2020	At December 31, 2019
Accounts receivable on Atrush oil sales	37,708	35,535
Atrush Exploration Costs receivable	37,905	41,782
Total loans and receivables	75,613	77,317

In the period from the balance sheet date up to the date of this MD&A the Company received \$4.8 million in total payments for receivables balances outstanding at June 30, 2020, comprised of \$4.5 million in total payments for its entitlement share of oil sales for the month of June 2020 and \$0.3 million in reimbursements of the Atrush Exploration Costs receivable.

The KRG has communicated its commitment to future payment of \$41.7 million owed to the Company for \$34 million of deliveries from November 2019 to February 2020 and an additional \$7.7 million of Atrush Exploration Costs receivable invoiced over the same period; however, since definitive repayment terms have not yet been established this amount is reported as non-current.

Borrowings

The ShaMaran bonds have a five-year maturity without amortization and carry 12% fixed semi-annual coupon and mature on July 5, 2023. The Company paid \$11.4 million in cash for interest payments to the bondholders on January 5, 2020 and again on July 5, 2020. At June 30, 2020, there were \$190 million of ShaMaran Bonds outstanding.

On July 5, 2020 the Company and its bondholders executed an amendment and restatement agreement as well as related supporting documentation which provides for principal changes to previously agreed bond terms as follows:

- Full and final discharge of the Liquidity Guarantee given by Nemesia S.à.r.l. ("Nemesia"), a company controlled by a trust settled by the estate of the late Adolf H. Lundin, agreed in favor of the Bond Trustee (for the benefit of the Bondholders) in consideration for Nemesia making a payment of \$22.8 million to the Company's Debt Service Retention Account ("DSRA");
- \$11.4 million of the amounts credited to the DSRA were used by the Company to pay the interest on the Bonds due on the next interest payment date in July 2020, while the residual \$11.4 million will remain in the DSRA to provide credit support for any future payment obligations of the Company under the Bond Terms;
- The Company's obligations to make the \$15 million amortization payment due on July 5, 2020 has been deferred until December 5, 2021, and substituted with a cash sweep mechanism whereby the Company, on each interest payment date, will use any amount exceeding a free cash amount of \$15 million in repayment of the Bonds, and any amount of free cash so used to redeem Bonds will correspondingly reduce the deferred amortization payment amount;
- Temporary waiver until July 5, 2021 to be granted with respect to the existing breach of the financial covenant relating to the equity ratio;
- In conjunction with the temporary waivers of the amortization payment requirement and financial covenant breach, the Bond Terms were amended to provide for a put right in favor of the Bondholders to require that the Company purchase the Bonds (at par plus accrued interest and the existing call premium) at any time on ten (10) business days' notice subject to consent by holders of 50.01% of the Bonds; and
- CFP Capital Management and other members of the AHC will be retained by the Bond Trustee as financial advisor to support the Bond Trustee and the AHC (as constituted from time to time) in continued discussions with the Company.

The Company is required to issue to Nemesia 50,000 shares of ShaMaran for each \$500 thousand drawn down per month until the drawn amount is repaid. At the current full \$22.8 million level of draw down the Company is required to issue to Nemesia 2,280,000 ShaMaran shares per month. In addition, the Company is required to accrue interest on the amount due to Nemesia at an annual rate of 5%. Repayment of such amount by the Company to Nemesia is payable on or before July 5, 2023 and such claim for repayment is subordinated to all obligations under the Company's bond agreement.

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

The movements in borrowings are explained as follows:

	6 months ended	12 months ended
USD Thousands	June 30, 2020	At December 31, 2019
Opening balance	200,693	250,797
Interest charges at coupon rate	11,337	23,417
Amortization of bond transaction costs	65	848
Re-measurement of bond debt	-	2,131
Bond transaction costs	-	(150)
Bonds retired	-	(50,000)
Rounding	(2)	-
Payment to Bondholders – interest and call premiums	(11,400)	(26,350)
Ending balance	200,693	200,693
Current portion: borrowings*	15,000	15,000
Current portion: accrued bond interest expense	11,083	11,147
Non-current portion: borrowings	174,610	174,546

*The amended Bond terms agreed after the balance sheet date, as explained above, allow for deferral from July 5, 2020 to December 5, 2021 when the Company must reduce the value of the Bonds outstanding. Therefore, on the date the MD&A was published the \$15 million is not a current portion of borrowings.

The remaining current contractual obligations on the date this MD&A is published, which assume the reduction of Bonds outstanding to \$175 million on December 5, 2021 as provided for in the amended Bond terms agreed after the balance sheet date, are as follows:

USD Thousands	
Less than one year	22,800
From one to two years	57,900
From three to four years	185,500
Total	266,200

Liquidity and Capital Resources

	Six months ended June 30	
	2020	2019
Selected liquidity indicators		
Cash flow from operations	3,023	3,699
Cash in bank	5,524	19,585
(Negative)/ positive working capital	(13,532)	48,647

Cash flow from operations of \$3.0 million for the six months ended June 30, 2020 is down by \$0.7 million from \$3.7 million reported in the same period of 2019 principally due to \$28.2 million relating to reduced margins on significantly lower oil prices (average netback price per entitlement barrel \$24.84 v \$50.57) which has more than offset the \$14.7 million of positive cash flow effects relating to higher production (average daily production 46.8 Mbopd v 27.3 Mbopd) and \$13.6 million relating to the larger working interest in Atrush (27.6% v 20.1%).

Working capital at June 30, 2020 was negative \$13.5 million compared to positive \$48.6 million at June 30, 2019. The decrease in working capital since June 30, 2019 is principally due to the delay in payments for November 2019 through February 2020 oil sales.

The overall cash position of the Company decreased by \$10 million during the 6 months of 2020, a decrease of \$72.9 million during the same period of 2019. The main components of the movement in funds were as follows:

- The operating activities of the Company during the first six months of 2020 resulted in an increase of \$3.0 million in the cash position (2019: increase of \$3.7 million). The cash position is explained by the net loss of \$139.8 million less \$142.8 million of net positive cash adjustments from working capital items, net borrowing costs and non-cash expenses including the \$116 million net loss on the asset impairment.
- Net cash outflows from investing activities in 2020 were \$1.6 million (2019: outflows of \$11.7 million). Cash outflows from investing activities in the first six months of 2020 were comprised of \$5.4 million for the Atrush acquisition net of cash inflows of \$3.8 million in payments by the KRG of Atrush loans and receivables, and \$0.03 million of interest on deposits.
- Net cash outflows from financing activities in the first half were \$11.4 million (2019: cash outflows of \$65 million) due to the \$11.4 million for the semi-annual interest payment to ShaMaran bondholders in January 2020.

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

The condensed interim consolidated financial statements were prepared on the going concern basis which assumes that the Company will be able to realise into the foreseeable future its assets and liabilities in the normal course of business as they come due. Management has applied significant judgment in preparing forecasts supporting the going concern assumption. Specifically, management has made assumptions regarding projected oil sale volumes and pricing, and the timing and extent of capital, operating, and general and administrative expenditures.

The potential for the COVID-19 pandemic to continue creates an inherent level of uncertainty in world markets which may impact the demand for Atrush oil and the supply of goods and services necessary to bring the oil to market. Should actual production be materially less than projected volumes and or costs significantly exceed estimated amounts, or if there are extended delays to the forecasted receipt of cash from the sale of oil exports or in the magnitude of those cash receipts, which are under the control of the KRG, the Company could require additional liquidity to fund its maturing obligations over the next 12 months. Failure to meet development commitments could put the Atrush PSC and the Company's bond agreement at risk of forfeiture. In case the Company could not secure external financing in sufficient amount and in time to meet its obligations as they come due, the Company may be required to take measures such as divestment of assets and or further renegotiation of its existing debt. Should this not be successful there is a risk that the Company would be subject to a partial or complete reorganization.

The potential that the Company's financial resources are insufficient to fund its debt service obligations and its development and production activities for the next 12 months indicates a material uncertainty which may cast significant doubt over the Company's ability to continue as a going concern. The interim consolidated financial statements do not include the adjustments that would result if the Company is unable to continue as a going concern.

Off Balance Sheet Arrangements

The Company has no off-balance sheet arrangements.

Transactions with Related Parties

USD Thousands	Purchase of services for periods ended June 30,				Amounts owing	
	Three months		Six months		At the balance sheet dates	
	2020	2019	2020	2019	June 30, 2020	December 31, 2019
Namdo Management Services Ltd.	12	13	24	25	12	-

Namdo Management Services Ltd. is a private corporation affiliated with a shareholder of the Company and has provided corporate administrative support and investor relations services to the Company.

All transactions with related parties are in the normal course of business and are made on the same terms and conditions as with parties at arm's length.

The Company has a future obligation to issue shares to Nemesia, a related party, based on the amount drawn down on the liquidity guarantee. Refer to "Borrowings" above for additional information.

Outstanding Share Data, Share Units and Stock options

Common shares

The Company had 2,160,631,534 outstanding shares at June 30, 2020, 2,261,418,411 outstanding shares after dilution and at the date of this MD&A. The average outstanding shares during the first half of 2020 were 2,160,631,534 before dilution (year 2019: 2,160,505,507) and 2,261,418,411 after dilution (year 2019: 2,222,115,719).

Share units

The Company has established share unit plans and a share purchase option plan whereby a committee of the Company's Board may, from time to time, grant up to a total of 10% of the issued share capital to directors, officers, employees or consultants. The number of shares issuable under these plans at any specific time to any one recipient shall not exceed 5% of the issued and outstanding common shares of the Company. Under the share unit plans the Company may grant performance share units ("PSU"), restricted share units ("RSU") or deferred share units ("DSU"). PSU grants may be awarded annually to employees, directors or consultants ("Participants") based on the fulfilment of defined Company and individual performance parameters. RSU grants may be awarded to Participants annually based on the fulfilment of defined Company performance parameters. RSUs and PSUs will vest based on the conditions described in the relevant grant agreement and, in any case, no later than the end of the third calendar year following the date of the grant. DSU's may be awarded annually to non-employee directors of the Company based on the performance of the Company and vest immediately at the time of grant, DSUs may not be redeemed until a minimum period of three months has passed following the end of service as a director of the Company. The share unit plans provide for redemption of the share units by way of payment in cash, shares or a combination of cash and shares. Under the option plan the term of any options granted under the option plan will be fixed by the Board and may not exceed five years from the date of grant. A four month hold period may be imposed by the stock exchange from the date of grant. Vesting terms are at the discretion of the Board. All issued share options have terms of five years and vest over two years from grant date. The exercise prices reflect trading values of the Company's shares at grant date.

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

On March 3, 2020, the Company granted a total of 21,250,000 RSUs to certain senior officers and other eligible persons of the Company. The RSU grants were based on the grant date share price of CAD 0.06, vest over a period of three years and are redeemable in cash or shares of the Company up to five years after the grant date. On May 8, 2020 an amount of 380,000 RSUs were cancelled due to the end of service of a grant participant. The Statement of Comprehensive Income includes RSU related charges of \$210 thousand (2019: nil) for the first six months of 2020 relating to vesting of 2020 and 2019 RSU grants.

On March 3, 2020, the Company granted a total of 4,466,665 of deferred share units ("DSU") to non-employee directors. The fair value of the DSU's are fully expensed in the period granted, based on the grant date share price of CAD 0.06, at each quarter end the carrying value of the DSU liability is revalued based on the change in the share price, any gains or losses are charged to the Income Statement. In 2019 a total of 3,600,265 DSUs were granted. The total DSU grants resulted in charges to the Statement of Comprehensive Income of \$59 thousand for the first six months of 2020 (2019: nil). The carrying amount of the DSU liability at June 30, 2020 is \$215 thousand. The DSUs may not be redeemed until a minimum period of three months has passed following the end of service as a director of the Company and are to be settled in cash thereafter.

There has been no further change in the number of share units outstanding from June 30, 2020, to the date of this MD&A.

Stock options

On March 3, 2020, the Company granted a total of 35,840,000 stock options to certain senior officers and other eligible persons of the Company. The options vest over a period of two years and are exercisable over a period of five years at a strike price of CAD 0.06 per share. In 2019 a total of 25,070,00 incentive stock options were granted. The result of all the option grants was a total charge to the Statement of Comprehensive Income of \$853 thousand for the first six months of 2020 (2019: nil). In the same period 22,000,000 share options have expired.

At June 30, 2020 there were 60,910,000 stock options outstanding under the Company's employee incentive stock option plan. No stock options were exercised in the first half of 2020 (year 2019: nil).

The Company has no warrants outstanding.

Movements in the Company's outstanding options and share units in the period are explained as follows:

	Number of share options outstanding	Number of RSUs outstanding	Number of DSUs outstanding
At December 31, 2019	47,070,000	11,660,000	2,880,212
Granted in the period	35,840,000	21,250,000	4,466,665
Expired/cancelled in the period	(22,000,000)	(380,000)	-
At June 30, 2020	60,910,000	32,530,000	7,346,877
Quantities vested:			
At December 31, 2019	30,356,662	-	2,880,212
At June 30, 2020	28,889,998	-	7,346,877

Contractual Obligations and Commitments

Atrush Block Production Sharing Contract

The Company is responsible for its pro-rata share of the costs incurred in executing the development work programme on the Atrush Block which commenced on October 1, 2013.

As at June 30, 2020, the outstanding commitments of the Company were as follows:

	For the year ended June 30,				
USD Thousands	2021	2022	2023	Thereafter	Total
Atrush Block development	11,610	166	166	1,656	13,598
Office and other	141	116	-	-	257
Total commitments	11,751	282	166	1,656	13,855

Amounts relating to Atrush Block development represent the Company's unfunded paying interest share of 27.6% of the approved 2020 work program and other obligations under the Atrush PSC.

Under the terms of the Atrush PSC the Company will owe a share of production bonuses payable to the KRG when cumulative oil production from Atrush reaches production milestones defined in the Atrush PSC. The remaining production bonus payable is \$23.3 million at 50 million barrels (Shamara share: \$6.43 million).

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

Critical Accounting Policies and Estimates

The unaudited condensed interim consolidated financial statements of the Company have been prepared by management using IFRS. In preparing financial statements, management makes informed judgments and estimates that affect the reported amounts of assets and liabilities as at the date of the financial statements and affect the reported amounts of revenues and expenses during the period. Specifically, estimates are utilized in calculating depletion, asset retirement obligations, fair values of assets on acquisition of control, share-based payments, amortization and impairment write-downs as required. Actual results could differ from these estimates and differences could be material.

Accounting for Oil and Gas Operations

The Company follows the successful efforts method of accounting for its oil and gas operations. Under this method acquisition costs of oil and gas properties, costs to drill and equip exploratory and appraisal wells that are likely to result in proved reserves and costs of drilling and equipping development wells are capitalized and subject to annual impairment assessment.

Exploration well costs are initially capitalized and, if subsequently determined to have not found sufficient reserves to justify commercial production, are charged to exploration expense. Exploration well costs that have found sufficient reserves to justify commercial production, but whose reserves cannot be classified as proved, continue to be capitalized if sufficient progress is being made to assess the reserves and economic viability of the well or related project.

Capitalized costs of proved oil and gas properties are depleted using the unit of production method based on estimated gross proved and probable reserves of petroleum and natural gas as determined by independent engineers. Successful exploratory wells and development costs and acquired resource properties are depleted over proved and probable reserves. Acquisition costs of unproved reserves are not depleted or amortized while under active evaluation for commercial reserves. Costs associated with significant development projects are depleted once commercial production commences. A revision to the estimate of proved and probable reserves can have a significant impact on earnings as they are a key component in the calculation of depreciation, depletion and accretion.

Producing properties and significant unproved properties are assessed annually, or more frequently as economic events dictate, for potential indicators of impairment. Economic events which would indicate impairment include:

- The period for which the Company has the right to explore in the specific area has expired during the period or will expire in the near future and is not expected to be renewed.
- Substantive expenditure on further exploration for and evaluation of mineral resources in the specific area is neither budgeted nor planned.
- Exploration for and evaluation of resources in the specific area have not led to the discovery of commercially viable quantities of mineral resources and the Company has decided to discontinue such activities in the specific area.
- Sufficient data exists to indicate that, although a development in the specific area is likely to proceed, the carrying amounts of E&E and oil and gas assets is unlikely to be recovered in full from successful development or by sale.
- Extended decreases in prices or margins for oil and gas commodities or products.
- A significant downwards revision in estimated volumes or an upward revision in future development costs.

For impairment testing the assets are aggregated into cash generating unit ("CGU") cost pools based on their ability to generate largely independent cash flows. The recoverable amount of a CGU is the greater of its fair value less costs to sell and its value in use. Fair value is determined to be the amount for which the asset could be sold in an arm's length transaction. Value in use is determined by estimating the present value of the future net cash flows expected to be derived from the continued use of the asset or CGU.

Where conditions giving rise to the impairment subsequently reverse the effect of the impairment charge is also reversed as a credit to the statement of comprehensive income net of any depreciation that would have been charged since the impairment.

A substantial portion of the Company's exploration and development activities are conducted jointly with others.

There have been no independent evaluations of the Company's reserves and resource estimates since the report as at December 31, 2019 provided by McDaniel in February 2020.

Risks in estimating resources

There are uncertainties inherent in estimating the quantities of reserves and resources including factors which are beyond the control of the Company. Estimating reserves and resources is a subjective process and the results of drilling, testing, production and other new data after the date of an estimate may result in revisions to original estimates.

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

Reservoir parameters may vary within reservoir sections. The degree of uncertainty in reservoir parameters used to estimate the volume of hydrocarbons, such as porosity, net pay and water saturation, may vary. The type of formation within a reservoir section, including rock type and proportion of matrix or fracture porosity, may vary laterally and the degree of reliability of these parameters as representative of the whole reservoir may be proportional to the overall number of data points (wells) and the quality of the data collected. Reservoir parameters such as permeability and effectiveness of pressure support may affect the recovery process. Recovery of reserves and resources may also be affected by the availability and quality of water, fuel gas, technical services and support, local operating conditions, security, performance of the operating company and the continued operation of well and plant equipment.

Additional risks associated with estimates of reserves and resources include risks associated with the oil and gas industry in general which include normal operational risks during drilling activity, development and production; delays or changes in plans for development projects or capital expenditures; the uncertainty of estimates and projections related to production, costs and expenses; health, safety, security and environmental risks; drilling equipment availability and efficiency; the ability to attract and retain key personnel; the risk of commodity price and foreign exchange rate fluctuations; the uncertainty associated with dealing with governments and obtaining regulatory approvals; performance and conduct of the Operator; and risks associated with international operations.

The Company's project is in the early production stage and, as such, additional information must be obtained by further drilling and testing to ultimately determine the economic viability of developing any of the contingent or prospective resources. There is no certainty that the Company will be able to commercially produce any portion of its contingent or prospective resources. Any significant change, in particular, if the volumetric resource estimates were to be materially revised downwards in the future, could negatively impact investor confidence and ultimately impact the Company's performance, share price and total market capitalization.

The Company has engaged professional geologists and engineers to evaluate reservoir and development plans; however, process implementation risk remains. The Company's reserves and resource estimations are based on data obtained by the Company which has been independently evaluated by McDaniel.

FINANCIAL INSTRUMENTS

The Company's financial instruments currently consist of cash, cash equivalents, advances to joint operations, other receivables, borrowings, accounts payable and accrued expenses, accrued interest on bonds, provisions for decommissioning costs, and current tax liabilities. The Company classifies its financial assets and liabilities at initial recognition in the following categories:

- **Financial Assets at Amortized Cost** – Assets that are held for collection of contractual cash flows where those cash flows represent solely payments of principal and interest are measured at amortized cost. This includes the Company's loans and receivables which consist of fixed or determined cash flows related solely to principal and interest amounts or contractual sales of oil. The Company's intent is to hold these receivables until cash flows are collected. Financial assets at amortised cost are recognized initially at fair value, net of any transaction costs incurred and subsequently measured at amortized cost using the effective interest method. The Company recognizes a loss allowance for any expected credit losses on a financial asset that is measured at amortized cost.
- **Financial Assets at Fair Value through Profit or Loss ("FVTPL")** – Financial assets measured at FVTPL are assets which do not qualify as financial assets at amortized cost or at fair value through other comprehensive income. The Company does not currently have any financial assets measured at FVTPL.
- **Financial Liabilities at Amortized Cost** – Financial liabilities are measured at amortized cost using the effective interest method, unless they are required to be measured at FVTPL, or the Company has opted to measure them at FVTPL. Borrowings and accounts payable are recognized initially at fair value, net of any transaction costs incurred, and subsequently at amortized cost using the effective interest method.
- **Financial Liabilities at FVTPL** – Financial liabilities measured at FVTPL are liabilities which include embedded derivatives and cannot be classified as amortized cost. The Company does not currently have any financial liabilities measured at FVTPL.

With the exception of borrowings, accrued interest on bonds and provisions for decommissioning costs, which have fair value measurements based on valuation models and techniques where the significant inputs are derived from quoted prices or indices, the fair values of the Company's other financial instruments did not require valuation techniques to establish fair values as the instrument was either cash and cash equivalents or, due to the short term nature, readily convertible to or settled with cash and cash equivalents.

The Company is exposed in varying degrees to a variety of financial instrument related risks which are discussed in the following sections:

Financial Risk Management Objectives

The Company's management monitors and manages the Company's exposure to financial risks facing the operations. These financial risks include market risk (including commodity price, foreign currency and interest rate risks), credit risk and liquidity risk.

The Company does not presently hedge against these risks as the benefits of entering into such agreements is not considered to be significant enough as to outweigh the significant cost and administrative burden associated with such hedging contracts.

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

Commodity price risk: The prices that the Company receives for its oil and gas production may have a significant impact on the Company's revenues and cash flows provided by operations. World prices for oil and gas are characterized by significant fluctuations that are determined by the global balance of supply and demand and worldwide political developments and in particular the price received for the Company's oil and gas production in Kurdistan is dependent upon the Kurdistan government and its ability to export production outside of Iraq. A decline in the price of ICE Brent Crude oil, a reference in determining the price at which the Company can sell future oil production, could adversely affect the amount of funds available for capital reinvestment purposes as well as the Company's value in use calculations for impairment test purposes.

The Company does not hedge against commodity price risk.

Foreign currency risk: The substantial portion of the Company's operations require purchases denominated in USD, which is the functional and reporting currency of the Company and the currency in which the Company maintains the substantial portion of its cash and cash equivalents. Certain of its operations require the Company to make purchases denominated in foreign currencies, which are currencies other than USD and correspond to the various countries in which the Company conducts its business, most notably, Swiss Francs ("CHF") and Canadian dollars ("CAD"). As a result, the Company holds some cash and cash equivalents in foreign currencies and is therefore exposed to foreign currency risk due to exchange rate fluctuations between the foreign currencies and the USD. The Company considers its foreign currency risk is limited because it holds relatively insignificant amounts of foreign currencies at any point in time and since its volume of transactions in foreign currencies is currently relatively low. The Company has elected not to hedge its exposure to the risk of changes in foreign currency exchange rates.

Interest rate risk: The Company earns interest income at variable rates on its cash and cash equivalents and is therefore exposed to interest rate risk due to a fluctuation in short-term interest rates.

The Company's policy on interest rate management is to maintain a certain amount of funds in the form of cash and cash equivalents for short-term liabilities and to have the remainder held on relatively short-term deposits.

Shamaran is leveraged through bond financing at the corporate level. However, the Company is not exposed to interest rate risks associated with the bonds as the interest rate is fixed until July 2023.

Credit risk: Credit risk is the risk that a counterparty will default on its contractual obligations resulting in financial loss to the Company. The Company is primarily exposed to credit risk on its cash and cash equivalents, loans and receivables and other receivables.

The Company manages credit risk by monitoring counterparty ratings and credit limits and by maintaining excess cash and cash equivalents on account in instruments having a minimum credit rating of R-1 (mid) or better (as measured by Dominion Bond Rate Services) or the equivalent thereof according to a recognized bond rating service.

The carrying amounts of the Company's financial assets recorded in the consolidated financial statements represent the Company's maximum exposure to credit risk.

Liquidity risk: Liquidity risk is the risk that the Company will have difficulties meeting its financial obligations as they become due. In common with many oil and gas exploration companies, the Company raises financing for its exploration and development activities in discrete tranches to finance its activities for limited periods. The Company seeks to acquire additional funding as and when required. The Company anticipates making substantial capital expenditures in the future for the acquisition, exploration, development and production of oil and gas reserves and as the Company's project moves further into the development stage, specific financing, including the possibility of additional debt, may be required to enable future development to take place. The financial results of the Company will impact its access to the capital markets necessary to undertake or complete future drilling and development programs. There can be no assurance that debt or equity financing, or future cash generated by operations, would be available or sufficient to meet these requirements or, if debt or equity financing is available, that it will be on terms acceptable to the Company.

The Company manages liquidity risk by maintaining adequate cash reserves and by continuously monitoring forecast and actual cash flows. Annual capital expenditure budgets are prepared, which are regularly monitored and updated as considered necessary. In addition, the Company requires authorizations for expenditure on both operating and non-operating projects to further manage capital expenditures.

RISK AND UNCERTAINTIES

Shamaran Petroleum Corp. is engaged in the exploration, development and production of crude oil and natural gas and its operations are subject to various risks and uncertainties which include but are not limited to those listed below. If any of the risks described below materialise the effect on the Company's business, financial condition or operating results could be materially adverse.

For more information on risk factors which may affect the Company's business refer also to the discussion of risks under the "Reserves and Resources" and "Financial Instruments" sections of this MD&A above, as well as to the "Risk Factors" section of the Company's Annual Information Form, which is available for viewing both on the Company's web-site at www.shamaranpetroleum.com and on SEDAR at www.sedar.com, under the Company's profile.

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

ADDITIONAL INFORMATION

Additional information related to the Company, including its Annual Information Form, is available on SEDAR at www.sedar.com and on the Company's web-site at www.shamaranpetroleum.com.

The Company plans to publish on November 5, 2020 its financial statements for the three and nine months ended September 30, 2020.

OTHER SUPPLEMENTARY INFORMATION

Abbreviations

CAD	Canadian dollar
CHF	Swiss Franc
EUR	Euro
USD	US dollar

Oil related terms and measurements

bbl	Barrel (1 barrel = 159 litres)
boe	Barrels of oil equivalents
boepd	Barrels of oil equivalents per day
bopd	Barrels of oil per day
Mbbl	Thousand barrels
MMbbl	Million barrels
Mboe	Thousand barrels of oil equivalents
Mboepd	Thousand barrels of oil equivalents per day
Mbopd	Thousand barrels of oil per day
MMboe	Million barrels of oil equivalents

Management's Discussion and Analysis

For the three and six months ended June 30, 2020

DIRECTORS

Dr. Adel Chaouch
Director, President and Chief Executive Officer
Geneva, Switzerland

Chris Bruijnzeels
Director, Chairman
Amsterdam, Netherlands

Keith C. Hill
Director
Florida, USA

Terry L. Allen
Director
Calgary, Canada

Michael Ebsary
Director
Geneva, Switzerland

William Lundin
Director
Calgary, Canada

OFFICERS

Dr. Adel Chaouch
Director, President and Chief Executive Officer
Geneva, Switzerland

Brenden Johnstone
Chief Financial Officer and
Corporate Secretary
British Columbia, Canada

Alex Lengyel
Chief Commercial Officer
London, United Kingdom

Donna Moroney
Assistant Corporate Secretary
Vancouver, Canada

CORPORATE DEVELOPMENT

Sophia Shane
Vancouver, Canada

INVESTOR RELATIONS

Robert Eriksson
Stockholm, Sweden

CORPORATE OFFICE

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REGISTERED AND RECORDS OFFICE

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INDEPENDENT AUDITORS

PricewaterhouseCoopers SA,
Geneva, Switzerland

TRANSFER AGENT

Computershare Trust Company of Canada
Vancouver, Canada

STOCK EXCHANGE LISTINGS

TSX Venture Exchange and NASDAQ First North
Growth Market
Trading Symbol: SNM

ShaMaran Petroleum Corp.

