

**Kola Unit No. 3**

**Waterflood Progress Report 2019**

**January 1<sup>st</sup> through December 31<sup>st</sup> 2019**

**Prepared for:**

**Manitoba Industry, Economic Development and Mines**

**Petroleum Branch**

**Prepared by:**

**Tundra Oil and Gas**

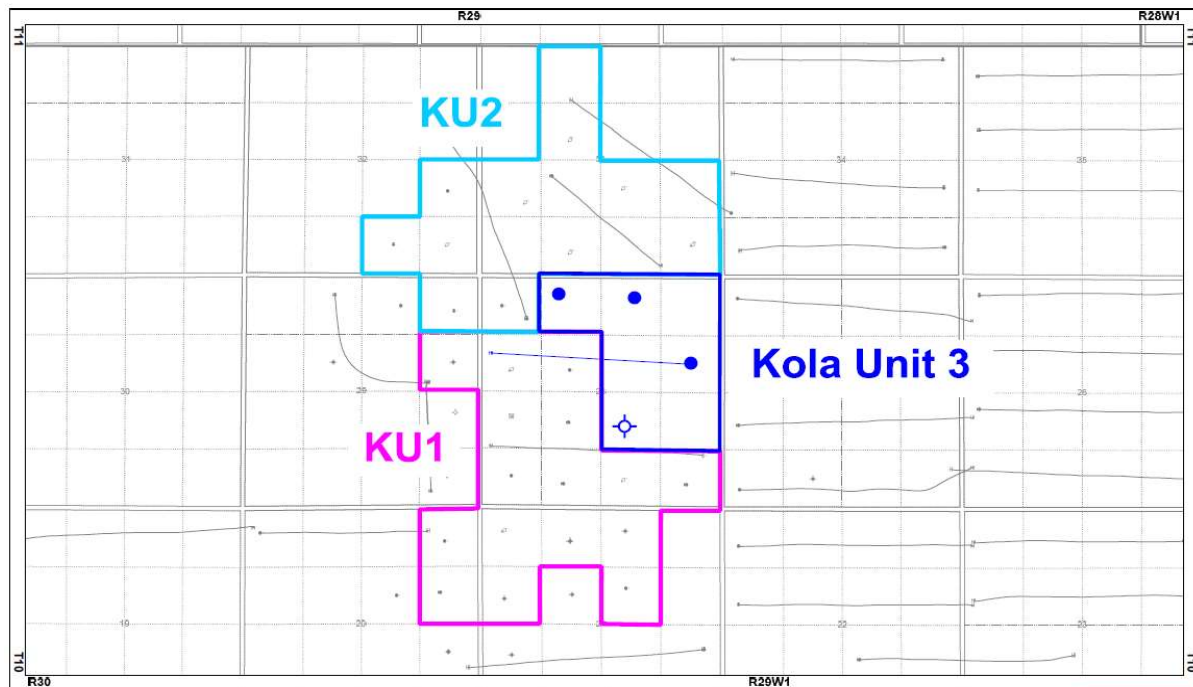
**March 17, 2020**

## INTRODUCTION

Kola Unit No. 3 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective May 1st, 2014 with Tundra Oil and Gas as Operator. The EOR project area, outlined in dark blue in Figure 1, contains 1 abandoned and 2 vertical producing wells and 1 horizontal producing well in 7 LSDs in Township 10, Range 29W1.

**This unit is currently not on injection.**

**Figure 1: Kola Unit No. 3 Area Outline**



### Kola Unit No. 3

Tundra Oil and Gas (Tundra), as the operator of the Kola Unit No. 3 Enhanced Oil Recovery (EOR) project hereby submits the 2019 EOR report as per section 73 of the Drilling and Production Regulations.

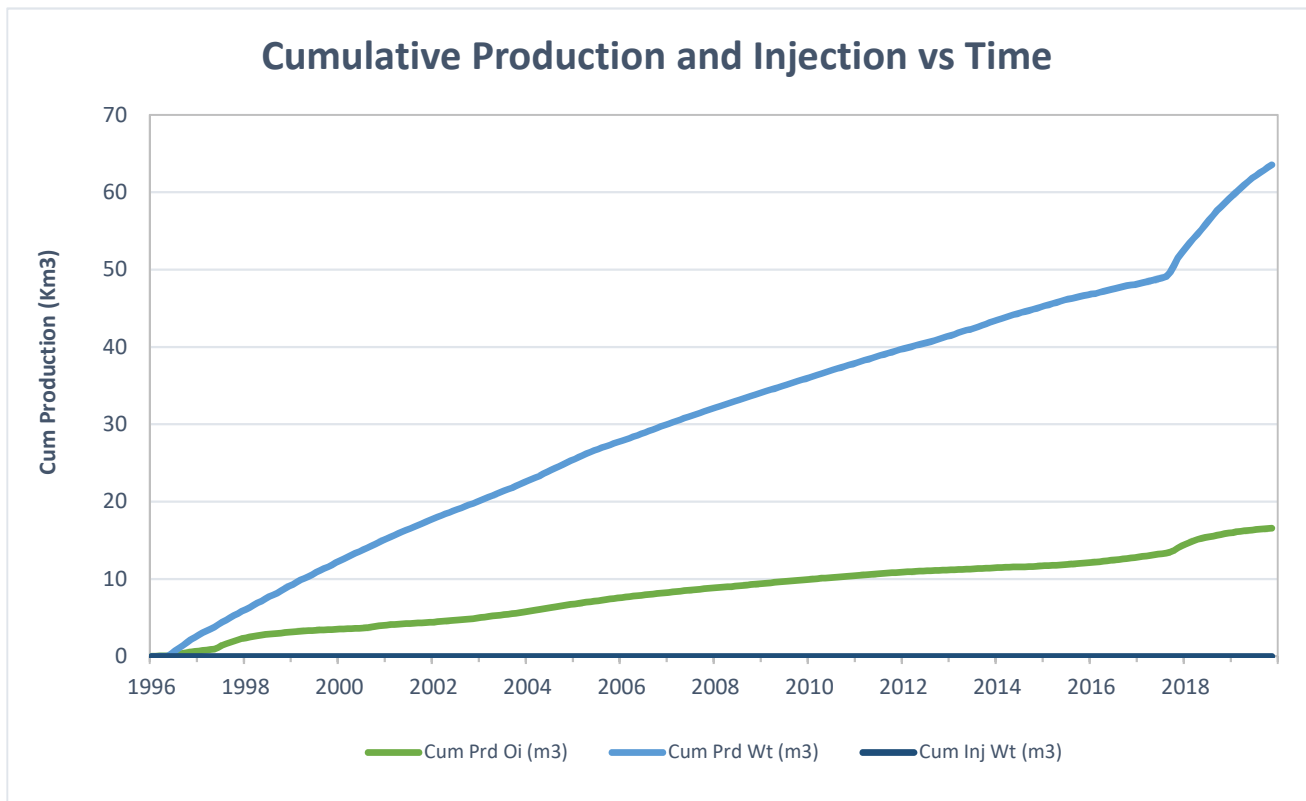
**a) Monthly oil and water production rates, injection rate, GOR and WOR**

MONTH	Cal Dly Oil m <sup>3</sup> /day	Cal Dly Wtr m <sup>3</sup> /day	Cal Inj Wtr m <sup>3</sup> /day	WOR m <sup>3</sup> /m <sup>3</sup>	GOR m <sup>3</sup> /m <sup>3</sup>
Jan-2019	2.77	16.77	0.00	6.05	0
Feb-2019	2.45	16.14	0.00	6.58	0
Mar-2019	3.12	14.99	0.00	4.81	0
Apr-2019	2.17	14.39	0.00	6.63	0
May-2019	1.85	15.15	0.00	8.18	0
Jun-2019	1.80	14.64	0.00	8.15	0
Jul-2019	1.85	13.68	0.00	7.39	0
Aug-2019	1.70	10.82	0.00	6.36	0
Sep-2019	2.38	12.74	0.00	5.35	0
Oct-2019	1.30	11.12	0.00	8.57	0
Nov-2019	0.83	11.16	0.00	13.39	0
Dec-2019	0.81	10.39	0.00	12.84	0

**b) Cumulative volume of oil, gas and water produced and fluid injected**

2019 PRODUCTION	
Produced Oil (m <sup>3</sup> )	700
Produced Gas (m <sup>3</sup> )	0
Produced Water (m <sup>3</sup> )	4,920
Fluid Injected (m <sup>3</sup> )	0
CUMULATIVE PRODUCTION	
Produced Oil (m <sup>3</sup> )	16,557
Produced Water (m <sup>3</sup> )	63,540

### Kola Unit No. 3



**c) Well List****Kola Unit No. 3 Well List**

<i><b>UWI</b></i>	<i><b>Type</b></i>	<i><b>Status</b></i>	<i><b>Future Plans</b></i>
100/07-28-010-29W1/0	Vertical	Abandoned	-
100/09-28-010-29W1/0	Horizontal	Producing	-
100/14-28-010-29W1/0	Vertical	Pumping	-
100/15-28-010-29W1/0	Vertical	Pumping	-