

**Sinclair Unit No. 21**

**Waterflood Progress Report 2018**

**January 1<sup>st</sup> through December 31<sup>st</sup> 2018**

**Prepared for:**

**Manitoba Industry, Economic Development and Mines**

**Petroleum Branch**

**Prepared by:**

**Tundra Oil and Gas**

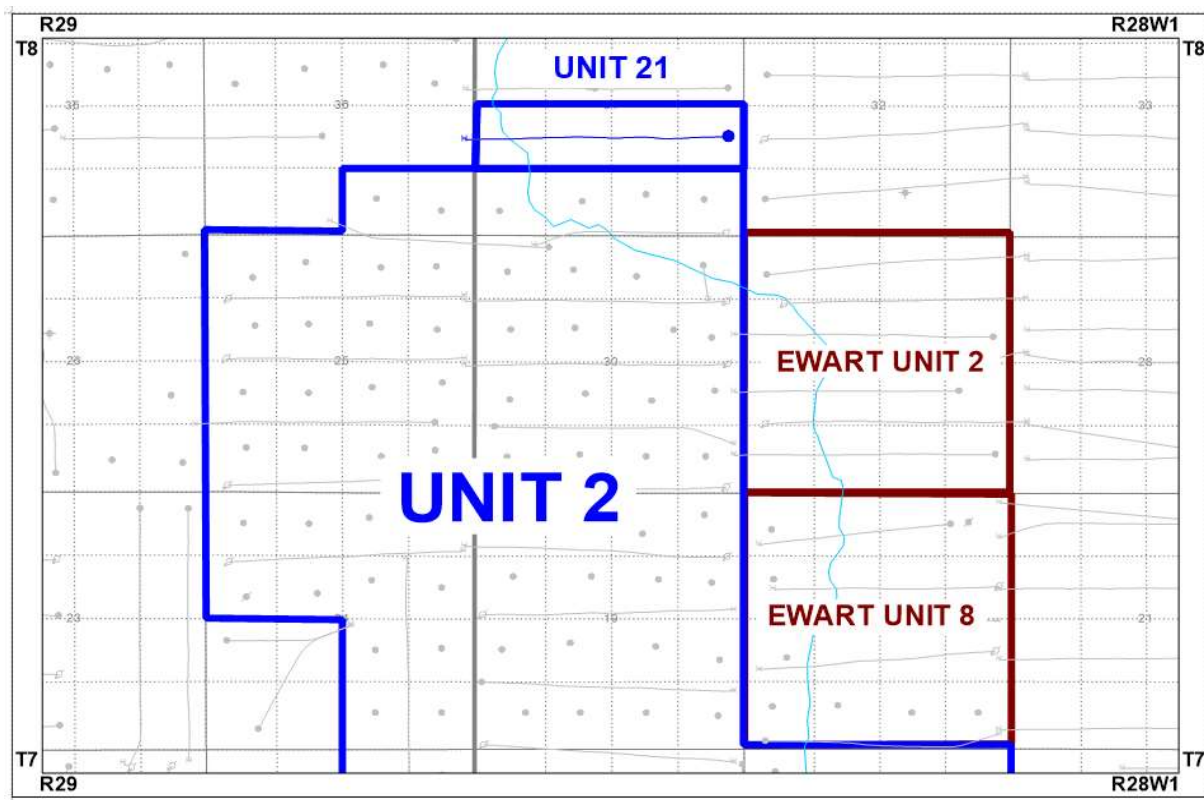
**April 5, 2019**

## INTRODUCTION

Sinclair Unit No. 21 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective June 1, 2018 with Tundra Oil and Gas as Operator. The EOR project area, outlined in Figure 1, contains 1 well over 4 LSDs in Township 7, Range 28 W1.

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

**Figure 1: Sinclair Unit No. 21 Area Outline**



## Sinclair Unit No. 21

Tundra Oil and Gas (Tundra), as the operator of the Sinclair Unit No. 21 Enhanced Oil Recovery (EOR) project hereby submits the 2018 EOR report as per section 73 of the Drilling and Production Regulations.

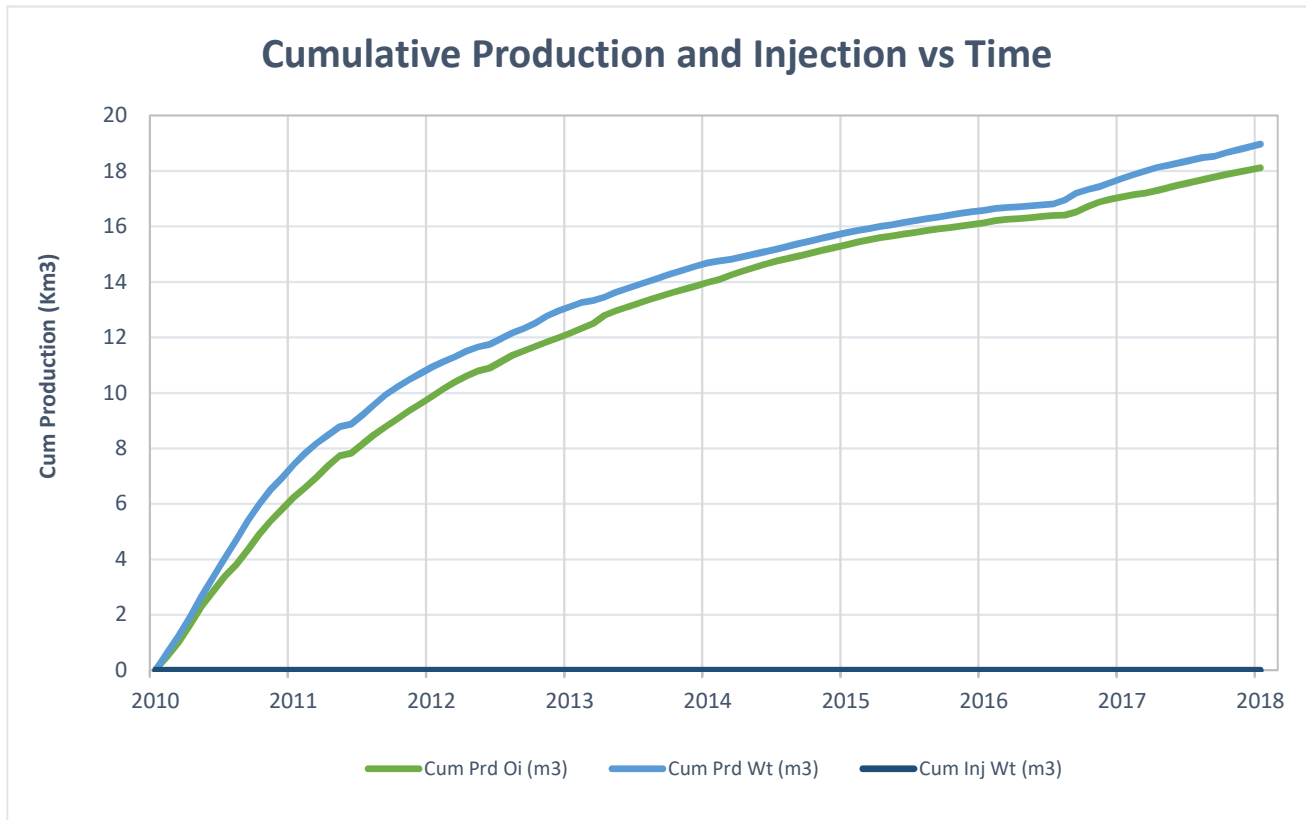
### a) Monthly oil and water production rates, injection rate, GOR and WOR

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-2018	2.55	4.56	0.00	1.79	0
Feb-2018	2.39	4.45	0.00	1.86	0
Mar-2018	2.82	4.07	0.00	1.44	0
Apr-2018	3.64	2.97	0.00	0.82	0
May-2018	3.33	2.80	0.00	0.84	0
Jun-2018	2.73	3.26	0.00	1.19	0
Jul-2018	3.02	2.79	0.00	0.92	0
Aug-2018	3.16	1.53	0.00	0.48	0
Sep-2018	2.85	4.34	0.00	1.52	0
Oct-2018	2.65	3.11	0.00	1.17	0
Nov-2018	2.79	3.60	0.00	1.29	0
Dec-2018	2.56	3.42	0.00	1.33	0

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

2018 PRODUCTION	
Produced Oil (m <sup>3</sup> )	1,050
Produced Gas (m <sup>3</sup> )	0
Produced Water (m <sup>3</sup> )	1,240
Fluid Injected (m <sup>3</sup> )	0
CUMULATIVE PRODUCTION	
Produced Oil (m <sup>3</sup> )	18,114
Produced Water (m <sup>3</sup> )	18,970

## Sinclair Unit No. 21



c) Well List

Sinclair Unit No. 21

<i><b>UWI</b></i>	<i><b>Type</b></i>	<i><b>Status</b></i>	<i><b>Future Plans</b></i>
100/08-31-007-28W1/0	Horizontal	Producing	-