

**Ewart Unit No. 12**

**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**

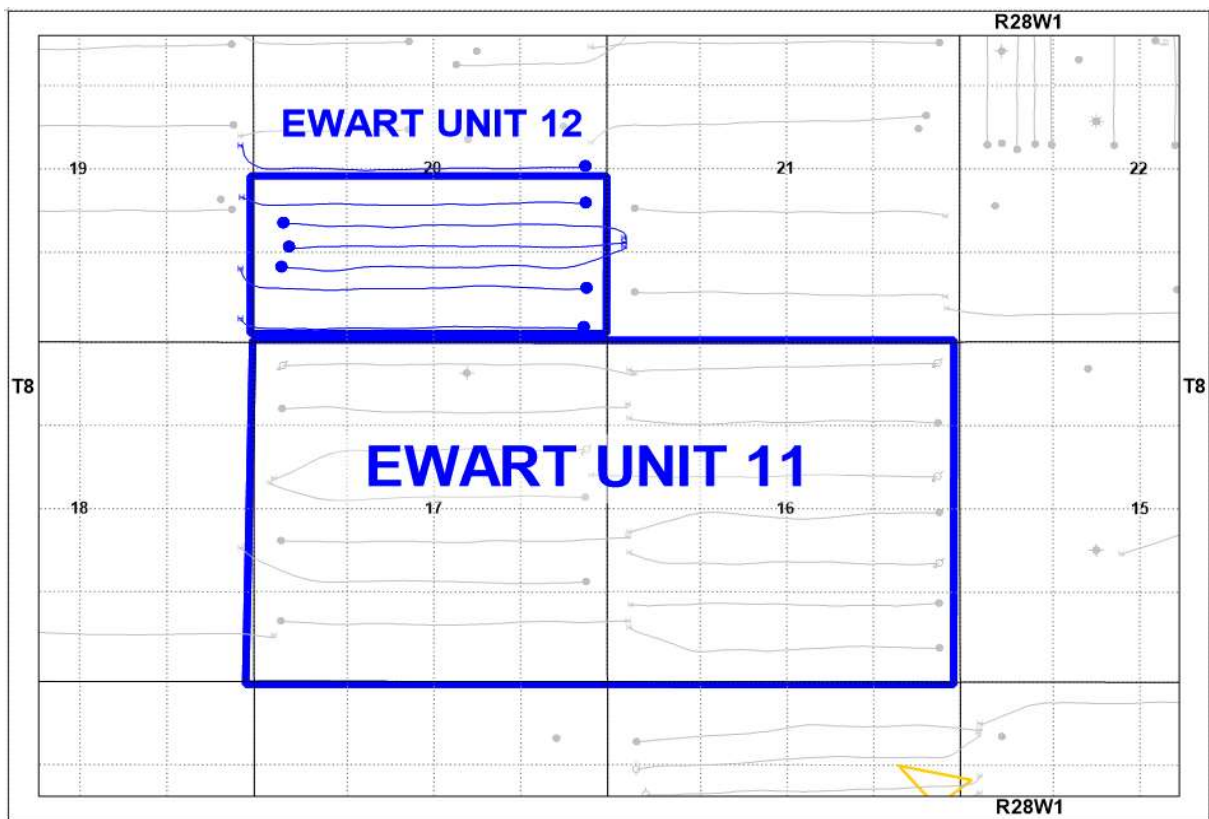
**March 17, 2020**

## INTRODUCTION

Ewart Unit No. 12 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective March 1st, 2017 with Tundra Oil and Gas as Operator. The EOR project area, outlined in blue in Figure 1, contains 7 producing horizontal Lodgepole wells in 8 LSDs in Township 8, Range 28W1.

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

**Figure 1: Ewart Unit No. 12 Area Outline**



## Ewart Unit No. 12

Tundra Oil and Gas (Tundra), as the operator of the Ewart Unit No. 12 Enhanced Oil Recovery (EOR) project hereby submits the 2019 EOR report as per section 73 of the Drilling and Production Regulations.

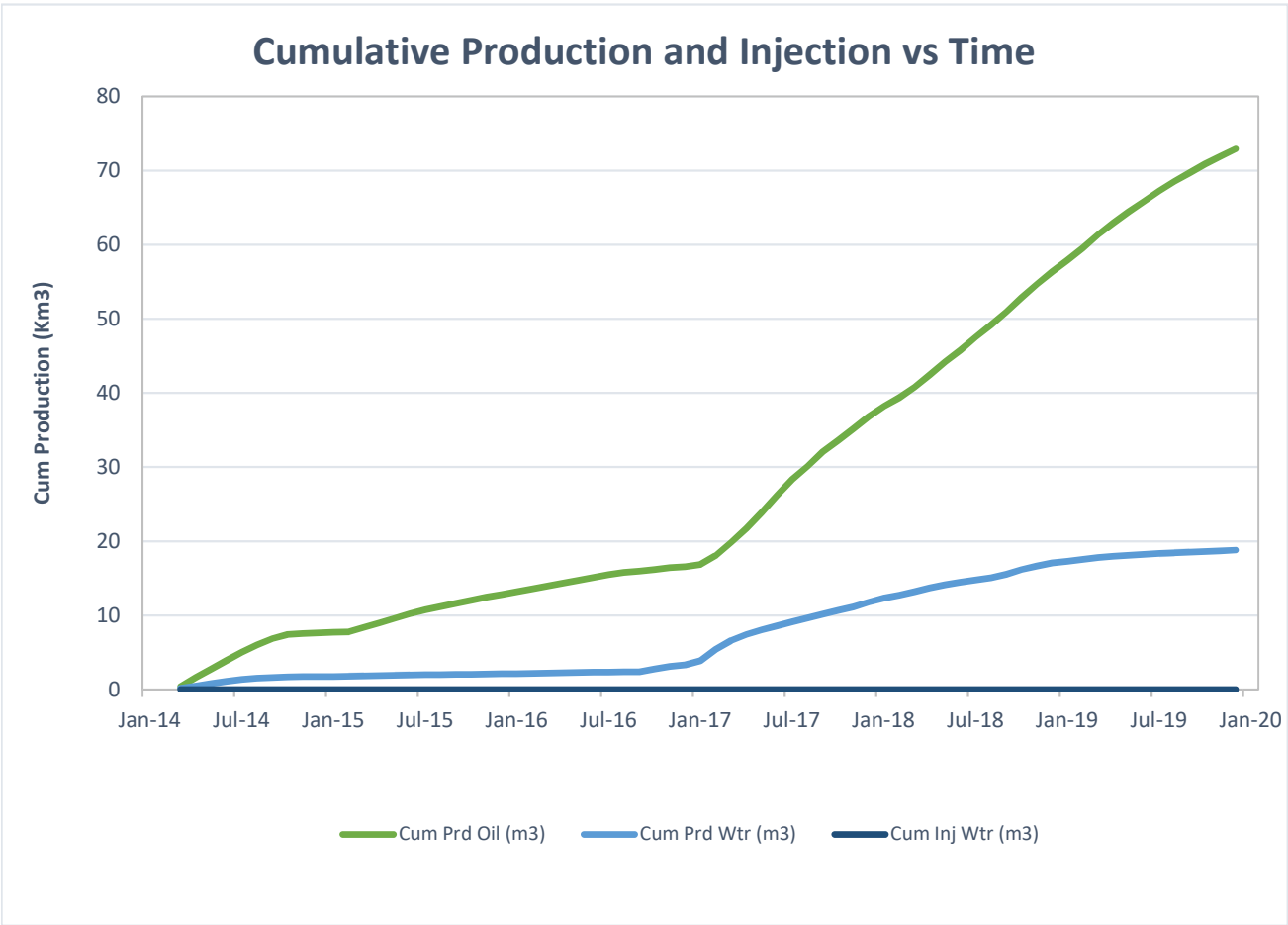
**a) Monthly oil and water production rates, injection rate, GOR and WOR**

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	50.24	7.80	0.00	0.16	0
Feb-2019	57.53	9.31	0.00	0.16	0
Mar-2019	59.05	7.30	0.00	0.12	0
Apr-2019	53.04	5.48	0.00	0.10	0
May-2019	47.55	4.96	0.00	0.10	0
Jun-2019	48.38	3.96	0.00	0.08	0
Jul-2019	44.64	3.43	0.00	0.08	0
Aug-2019	42.09	3.62	0.00	0.09	0
Sep-2019	37.27	3.31	0.00	0.09	0
Oct-2019	38.51	2.70	0.00	0.07	0
Nov-2019	35.30	2.68	0.00	0.08	0
Dec-2019	32.05	2.92	0.00	0.09	0

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

2019 PRODUCTION	
Produced Oil (m <sup>3</sup> )	16,568
Produced Gas (m <sup>3</sup> )	0
Produced Water (m <sup>3</sup> )	1,738
Fluid Injected (m <sup>3</sup> )	0
CUMULATIVE PRODUCTION	
Produced Oil (m <sup>3</sup> )	72,927
Produced Water (m <sup>3</sup> )	18,802

Ewart Unit No. 12



## c) Well List

## Ewart Unit No. 12 Well List

<i><b>UWI</b></i>	<i><b>Type</b></i>	<i><b>Status</b></i>	<i><b>Future Plans</b></i>
100/01-20-008-28W1/0	Horizontal	Producing	-
102/01-20-008-28W1/0	Horizontal	Producing	-
102/04-20-008-28W1/0	Horizontal	Producing	-
103/05-20-008-28W1/0	Horizontal	Producing	-
104/05-20-008-28W1/0	Horizontal	Producing	-
100/08-20-008-28W1/0	Horizontal	Producing	-
102/09-20-008-28W1/0	Horizontal	Producing	-