

**Waskada Unit No. 9**

**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**

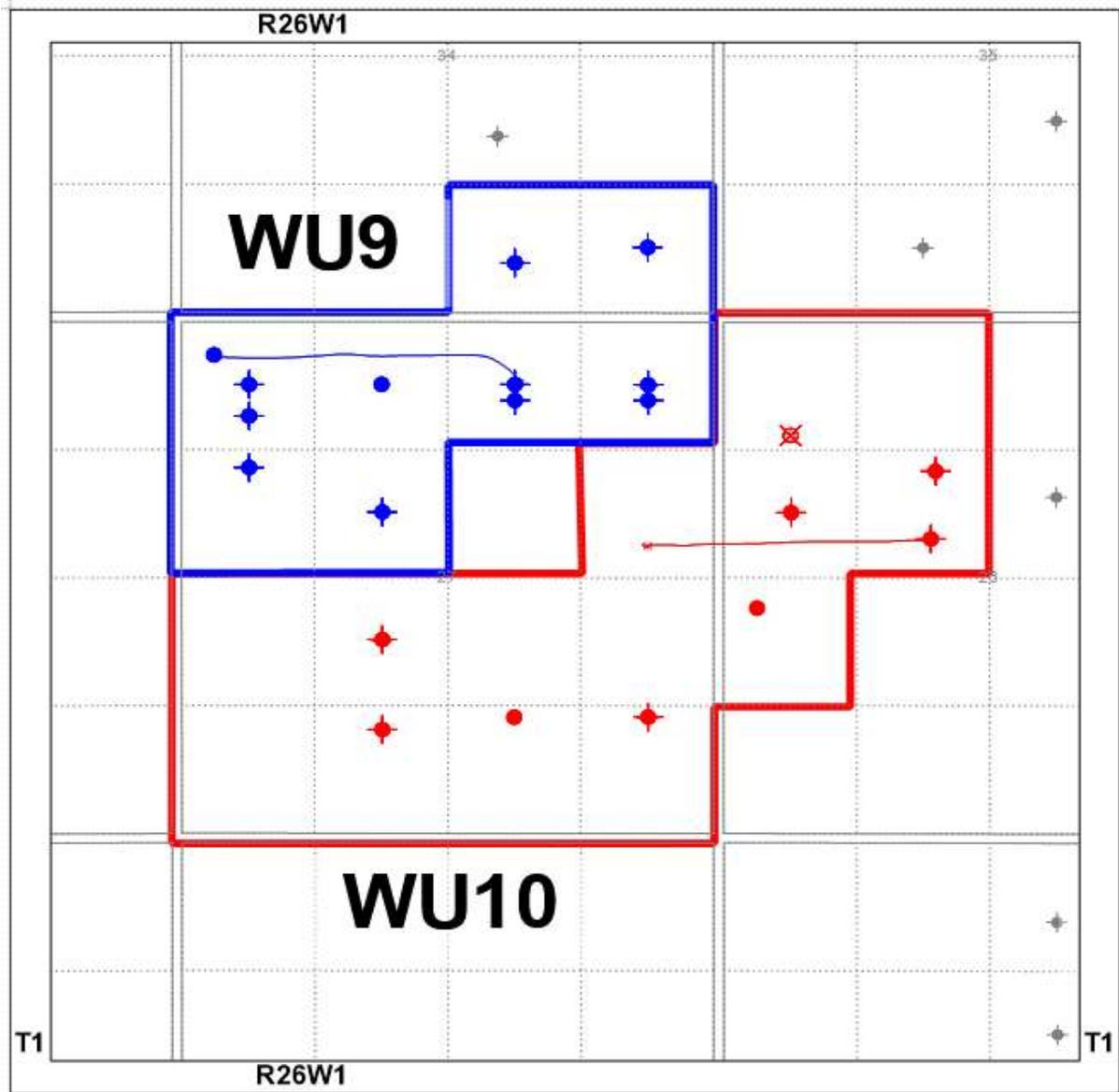
**March 18, 2020**

## INTRODUCTION

Waskada Unit No. 9 Enhanced Oil Recovery (EOR) Waterflood Project was approved under Board Order No. PM 49 effective April 1986. The Unit area contains 10 abandoned wells, including 2 abandoned injectors, and 2 producing/inactive wells in 8 LSDs in Township 1, Range 26 W1 as shown in the figure below.

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

**Figure 1: Waskada Unit No. 9 Area Outline**



## Waskada Unit No. 9

Tundra Oil and Gas (Tundra), as the operator of the Waskada Unit No. 9 Enhanced Oil Recovery (EOR) project hereby submits the 2019 EOR report as per section 73 of the Drilling and Production Regulations.

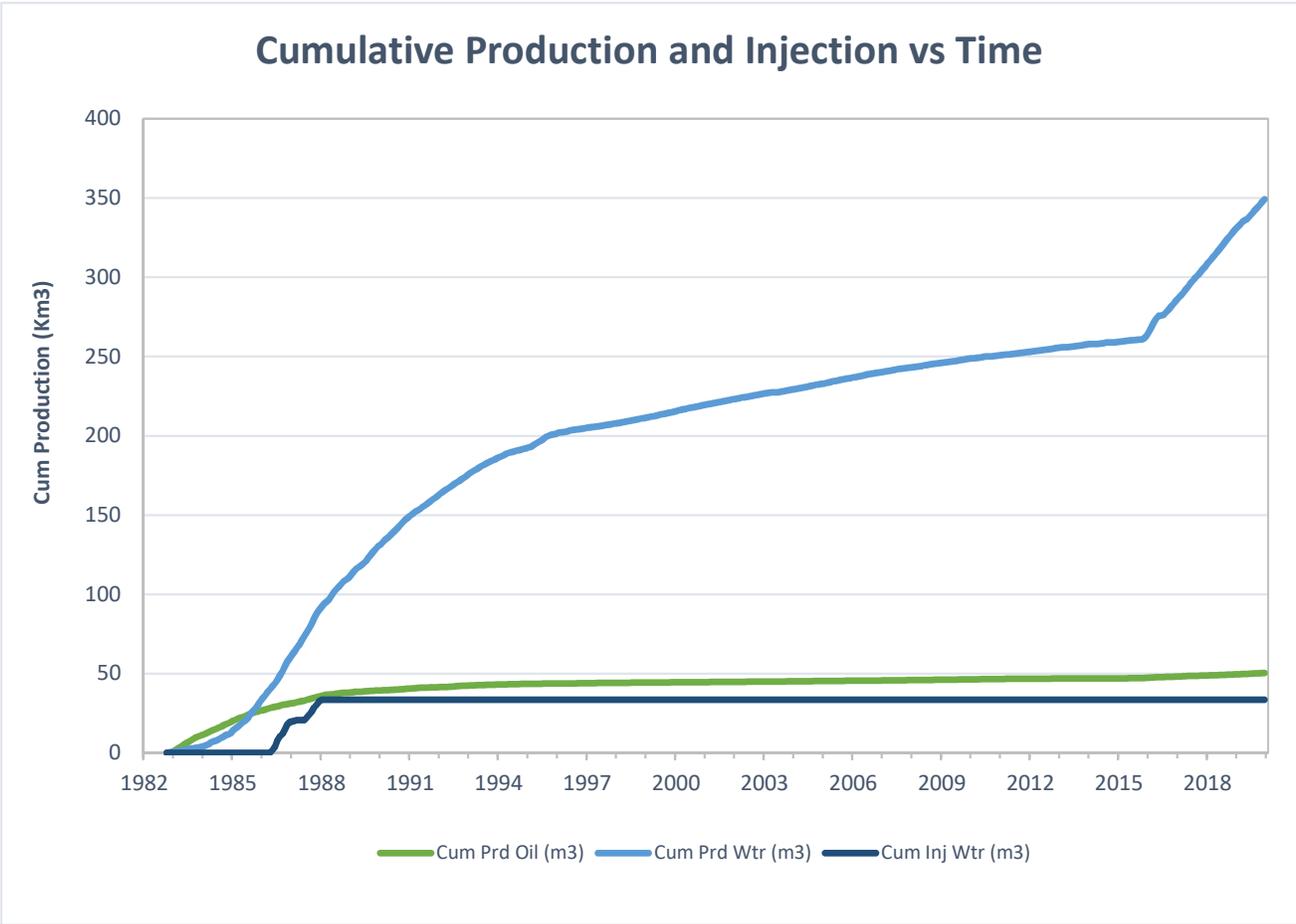
**a) Monthly oil and water production rates, injection rate, GOR and WOR**

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	2.26	50.80	0.00	22.50	0
Feb-2019	2.37	58.77	0.00	24.82	0
Mar-2019	2.26	57.05	0.00	25.27	0
Apr-2019	1.31	33.37	0.00	25.54	0
May-2019	1.78	30.48	0.00	17.15	0
Jun-2019	3.00	59.26	0.00	19.73	0
Jul-2019	3.15	58.47	0.00	18.55	0
Aug-2019	2.83	57.94	0.00	20.50	0
Sep-2019	1.93	54.25	0.00	28.11	0
Oct-2019	2.17	57.89	0.00	26.62	0
Nov-2019	2.35	58.88	0.00	25.02	0
Dec-2019	1.66	56.84	0.00	34.15	0

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

<b>2019 PRODUCTION</b>	
Produced Oil (m <sup>3</sup> )	824
Produced Gas (m <sup>3</sup> )	0
Produced Water (m <sup>3</sup> )	19,272
Fluid Injected (m <sup>3</sup> )	0
<b>CUMULATIVE PRODUCTION</b>	
Produced Oil (m <sup>3</sup> )	50,339
Produced Water (m <sup>3</sup> )	349,219

# Waskada Unit No. 9



## c) Well List

## Waskada Unit No. 9 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/11-27-001-26W1/0	Vertical	Abandoned	-
102/12-27-001-26W1/2	Vertical	Abandoned	-
100/13-27-001-26W1/0	Vertical	Abandoned	-
102/13-27-001-26W1/2	Vertical	Abandoned	-
103/13-27-001-26W1/0	Horizontal	Producing	-
100/14-27-001-26W1/0	Vertical	Producing	-
100/15-27-001-26W1/0	Vertical	Abandoned	-
102/15-27-001-26W1/2	Vertical	Abandoned	-
100/16-27-001-26W1/0	Vertical	Abandoned	-
102/16-27-001-26W1/2	Vertical	Abandoned	-
100/01-34-001-26W1/0	Vertical	Abandoned	-
100/02-34-001-26W1/0	Vertical	Abandoned	-