

**North Virden Scallion 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**

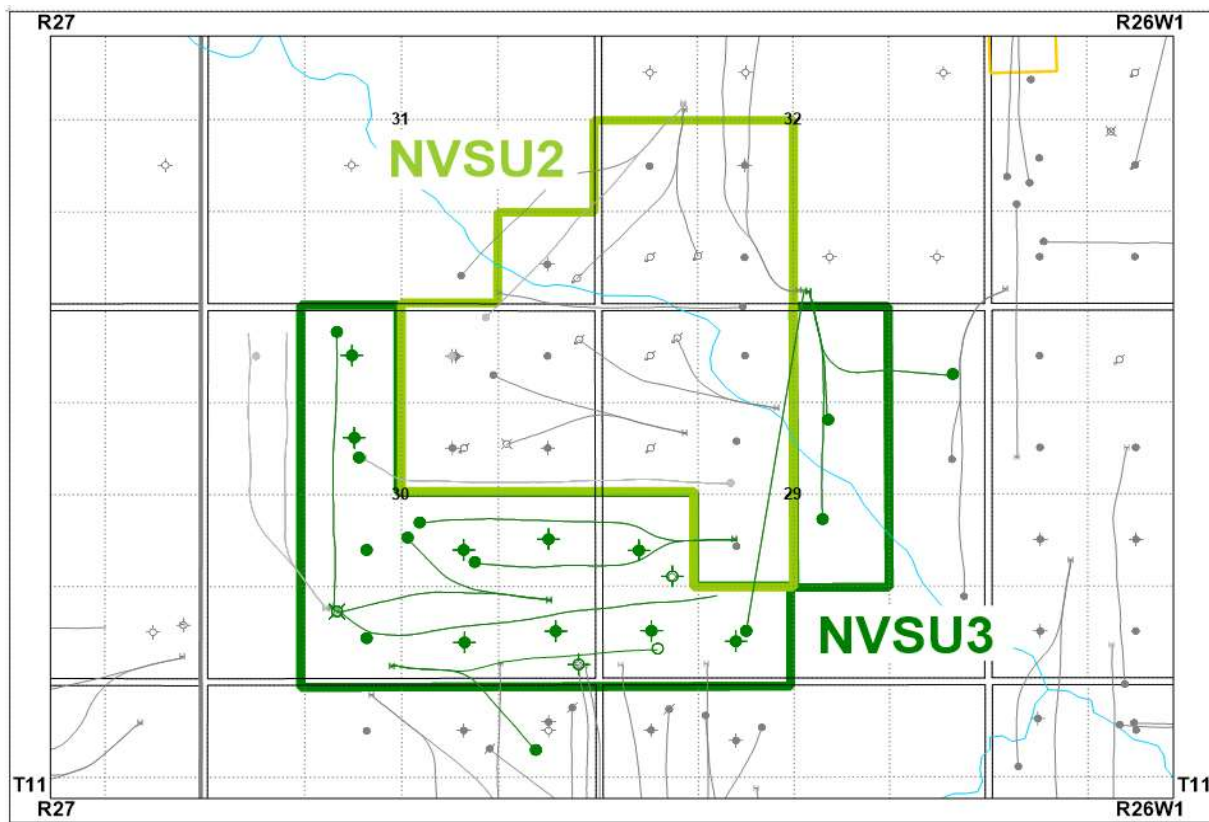
**April 27, 2020**

## INTRODUCTION

North Virden Scallion Unit 3 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective April 1, 2019 with Tundra Oil and Gas as Operator. The EOR project area, outlined in Figure 1, includes 14 vertical wells (11 abandoned, 3 producing) and 12 horizontal wells (10 producing, 1 standing, 1 disposal) over 14 LSDs in Township 11, Range 26 W1.

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

**Figure 1: North Virden Scallion Unit No. 3 Area Outline**



## North Virden Scallion Unit No. 3

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

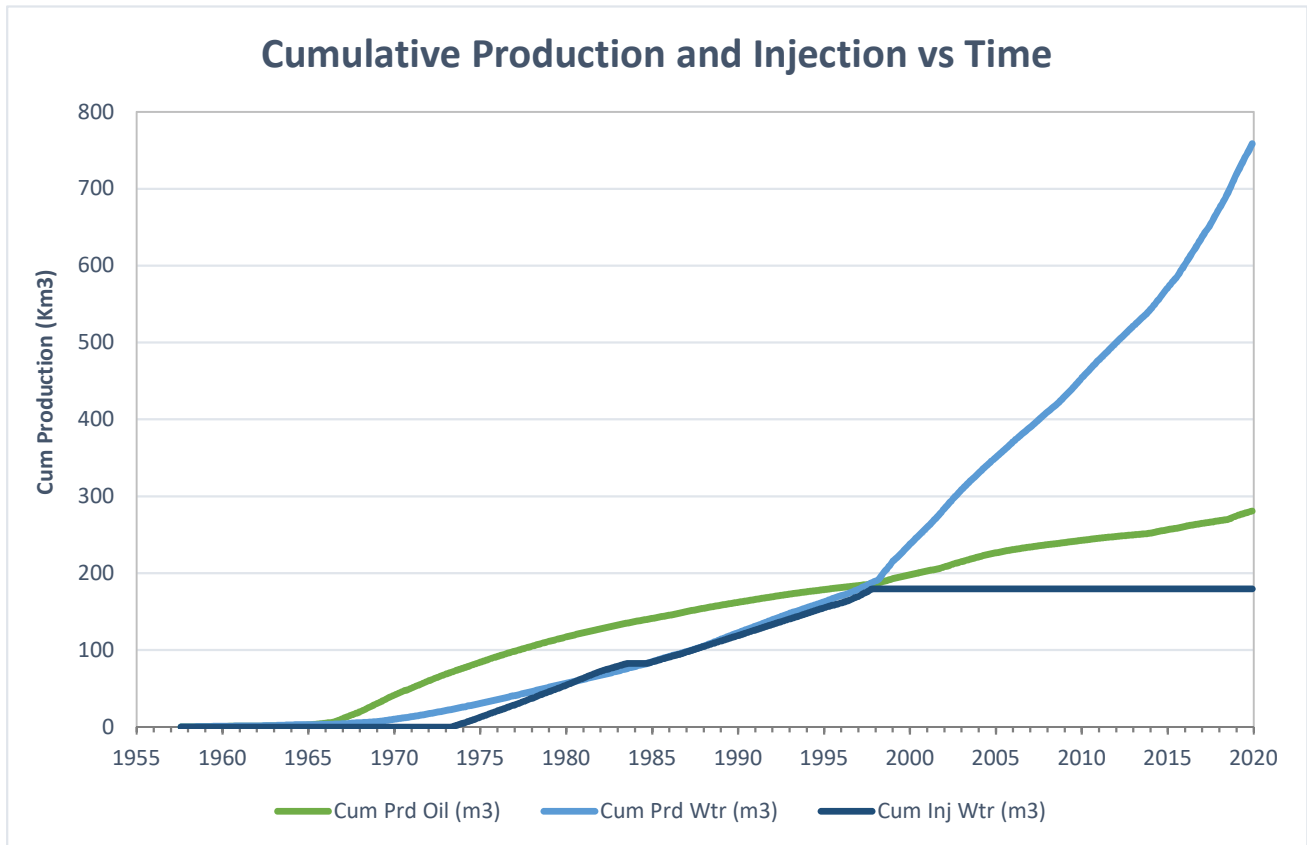
**a) Monthly oil and water production rates, injection rate, GOR and WOR**

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	24.56	131.59	0.00	5.36	0
Feb-2019	21.34	125.88	0.00	5.90	0
Mar-2019	21.35	124.99	0.00	5.85	0
Apr-2019	20.31	122.62	0.00	6.04	0
May-2019	19.98	119.57	0.00	5.98	0
Jun-2019	18.74	113.30	0.00	6.05	0
Jul-2019	18.19	112.26	0.00	6.17	0
Aug-2019	18.59	108.03	0.00	5.81	0
Sep-2019	14.62	98.57	0.00	6.74	0
Oct-2019	17.94	127.95	0.00	7.13	0
Nov-2019	18.12	126.37	0.00	6.97	0
Dec-2019	16.84	120.64	0.00	7.16	0

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

2019 PRODUCTION	
Produced Oil (m <sup>3</sup> )	7,012
Produced Gas (m <sup>3</sup> )	0
Produced Water (m <sup>3</sup> )	43,547
Fluid Injected (m <sup>3</sup> )	0
CUMULATIVE PRODUCTION	
Produced Oil (m <sup>3</sup> )	280,815
Produced Water (m <sup>3</sup> )	758,717

### North Virden Scallion Unit No. 3



## c) Well List

## North Virden Scallion 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>
103/16-19-011-26W1/0	Horizontal	Producing	-
100/03-29-011-26W1/0	Vertical	Abandoned Zone	-
102/03-29-011-26W1/0	Horizontal	Producing	-
103/03-29-011-26W1/0	Horizontal	Producing	-
100/04-29-011-26W1/0	Vertical	Abandoned	-
102/04-29-011-26W1/2	Horizontal	Potential	-
100/05-29-011-26W1/0	Vertical	Abandoned	-
102/05-29-011-26W1/0	Vertical	Abandoned	-
100/07-29-011-26W1/0	Horizontal	Producing	-
100/10-29-011-26W1/3	Horizontal	Producing	-
100/16-29-011-26W1/2	Horizontal	Producing	-
100/01-30-011-26W1/0	Vertical	Abandoned	-
102/01-30-011-26W1/0	Vertical	Abandoned	-
100/02-30-011-26W1/0	Vertical	Abandoned Zone	-
100/03-30-011-26W1/0	Vertical	Producing	-
102/03-30-011-26W1/2	Horizontal	Disposal	-
100/06-30-011-26W1/0	Vertical	Producing	-
100/07-30-011-26W1/0	Vertical	Abandoned Zone	-
102/07-30-011-26W1/0	Horizontal	Pumping	-
103/07-30-011-26W1/0	Horizontal	Producing	-
103/07-30-011-26W1/2	Horizontal	Producing	-
100/08-30-011-26W1/0	Vertical	Abandoned	-
100/11-30-011-26W1/0	Vertical	Abandoned	-
102/11-30-011-26W1/0	Vertical	Pumping	-
100/14-30-011-26W1/0	Vertical	Abandoned	-
102/14-30-011-26W1/0	Horizontal	Producing	-