

Sinclair Unit No. 17
Waterflood Progress Report 2018
January 1st through December 31st 2018

Prepared for:
Manitoba Industry, Economic Development and Mines
Petroleum Branch

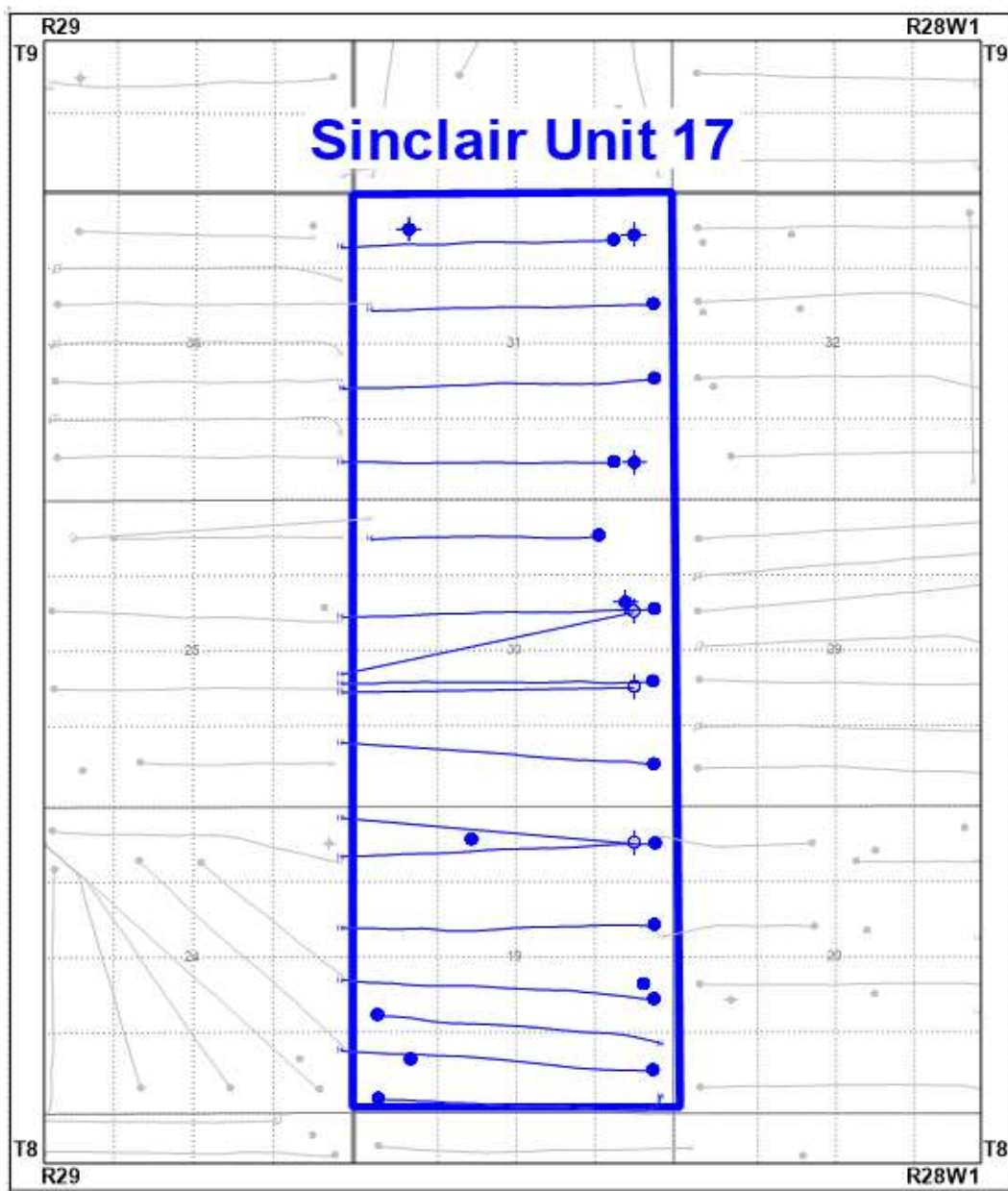
Prepared by:
Tundra Oil and Gas
April 5, 2019

INTRODUCTION

Sinclair Unit No. 17 Enhanced Oil Recovery (EOR) Waterflood Project was approved on March 1, 2016 with Tundra Oil and Gas (Tundra) as Operator. The EOR Unit area, outlined in blue, contains 4 abandoned wells, 3 producing vertical wells and 14 producing horizontal wells and 3 wells waiting to be completed, in 48 LSDs in Township 8 Range 28 W1 as shown in the figure below.

This unit is currently not on injection.

Figure 1: Sinclair Unit No. 17 Area Outline



Sinclair Unit No. 17

Tundra Oil and Gas (Tundra), as the operator of the Sinclair Unit No. 17 Enhanced Oil Recovery (EOR) project hereby submits the 2018 EOR report as per section 73 of the Drilling and Production Regulations.

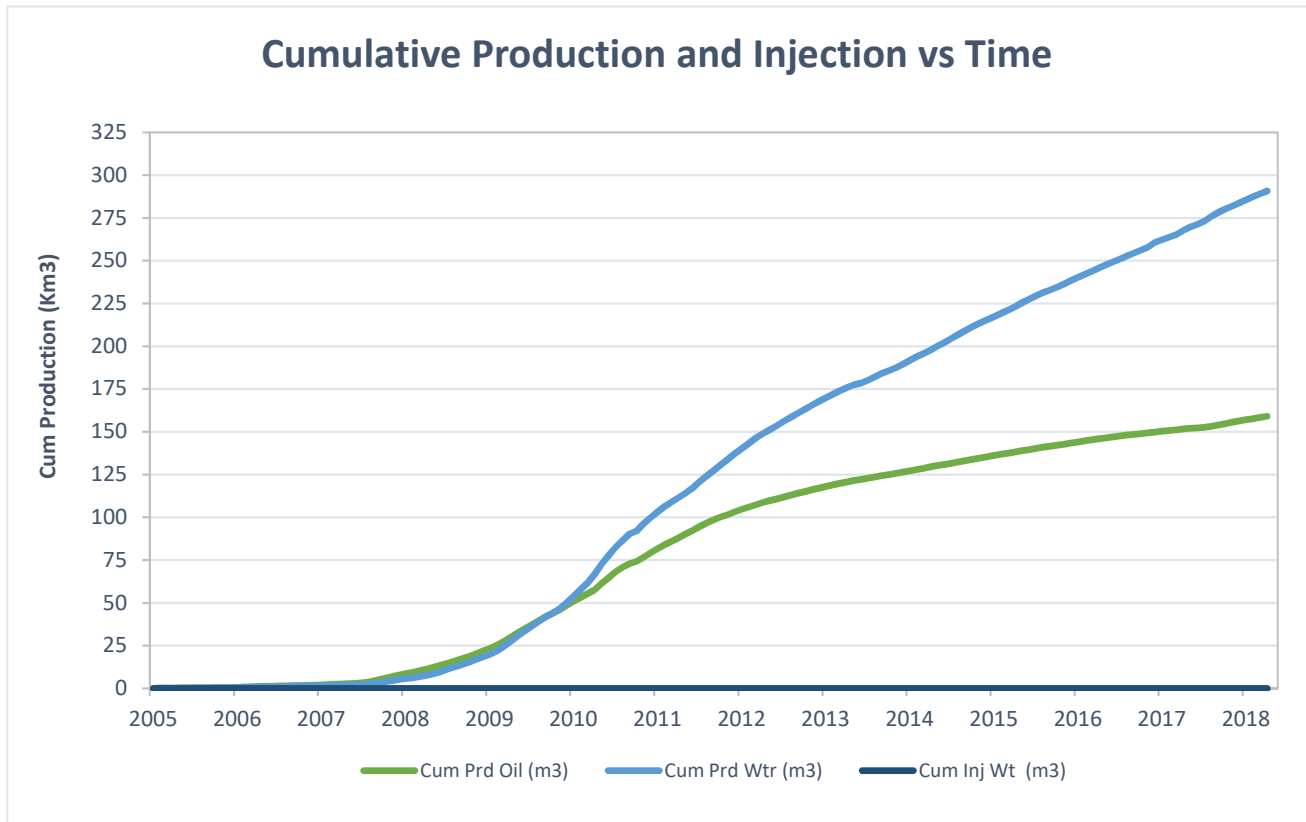
a) Monthly oil and water production rates, injection rate, GOR and WOR

MONTH	Cal Dly Oil m ³ /day	Cal Dly Wtr m ³ /day	Cal Inj Wtr m ³ /day	WOR m ³ /m ³	GOR m ³ /m ³
Jan-2018	13.59	67.44	0.00	4.96	0
Feb-2018	11.18	56.61	0.00	5.06	0
Mar-2018	10.50	61.41	0.00	5.85	0
Apr-2018	19.52	89.33	0.00	4.58	0
May-2018	24.37	74.10	0.00	3.04	0
Jun-2018	25.06	66.09	0.00	2.64	0
Jul-2018	26.68	59.20	0.00	2.22	0
Aug-2018	24.60	60.56	0.00	2.46	0
Sep-2018	24.03	57.33	0.00	2.39	0
Oct-2018	21.62	64.07	0.00	2.96	0
Nov-2018	21.30	56.57	0.00	2.66	0
Dec-2018	21.69	48.83	0.00	2.25	0

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

2018 PRODUCTION	
Produced Oil (m ³)	7,445
Produced Gas (m ³)	0
Produced Water (m ³)	23,169
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	159,053
Produced Water (m ³)	290,718

Sinclair Unit No. 17



c) Well List

Sinclair Unit No. 17 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/01-19-008-28W1/0	Horizontal	Producing	-
100/04-19-008-28W1/0	Vertical	Producing	-
102/04-19-008-28W1/0	Horizontal	Producing	-
100/05-19-008-28W1/0	Horizontal	Producing	-
100/08-19-008-28W1/2	Vertical	Producing	-
102/08-19-008-28W1/0	Horizontal	Producing	-
100/09-19-008-28W1/0	Horizontal	Producing	-
100/14-19-008-28W1/0	Vertical	Producing	-
100/16-19-008-28W1/0	Horizontal	Producing	-
103/16-19-008-28W1/0	Horizontal	Drilled & Cased	-
100/01-30-008-28W1/0	Horizontal	Producing	-
100/08-30-008-28W1/0	Horizontal	Producing	-
103/08-30-008-28W1/0	Horizontal	Drilled & Cased	-
100/09-30-008-28W1/0	Vertical	Abandoned Zone	-
102/09-30-008-28W1/0	Horizontal	Producing	-
104/09-30-008-28W1/0	Horizontal	Drilled & Cased	-
100/16-30-008-28W1/0	Horizontal	Producing	-
100/01-31-008-28W1/0	Vertical	Abandoned Zone	-
102/01-31-008-28W1/0	Horizontal	Producing	-
100/08-31-008-28W1/0	Horizontal	Producing	-
100/09-31-008-28W1/0	Horizontal	Producing	-
100/13-31-008-28W1/0	Vertical	Abandoned Zone	-
100/16-31-008-28W1/0	Vertical	Abandoned Zone	-
102/16-31-008-28W1/0	Horizontal	Producing	-