

Sinclair Unit No. 20

Waterflood Progress Report 2017

January 1st through December 31st 2017

Prepared for:

Manitoba Industry, Economic Development and Mines

Petroleum Branch

Prepared by:

Tundra Oil and Gas

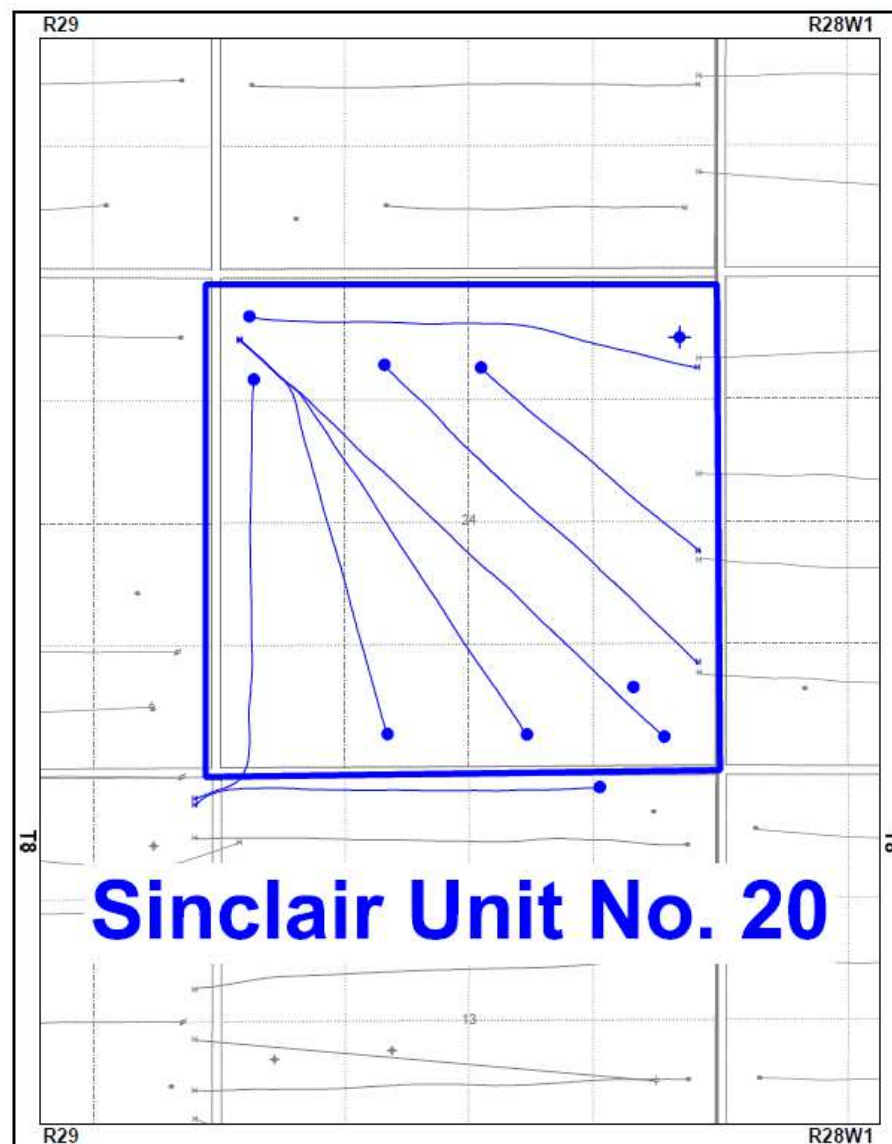
August 9, 2018

INTRODUCTION

Sinclair Unit No. 20 Enhanced Oil Recovery (EOR) Waterflood Project was approved on November 1, 2017 with Tundra Oil and Gas (Tundra) as Operator. The EOR Unit area, outlined in blue, contains 10 wells (1 abandoned well, 1 producing vertical well and 8 producing horizontal wells) in 16 LSDs in Section 24 Township 8 Range 29 W1 as shown in the figure below.

This unit is currently not on injection.

Figure 1: Sinclair Unit No. 20 Area Outline



Sinclair Unit No. 20

Tundra Oil and Gas (Tundra), as the operator of the Sinclair Unit No. 20 Enhanced Oil Recovery (EOR) project hereby submits the 2017 EOR report as per section 73 of the Drilling and Production Regulations.

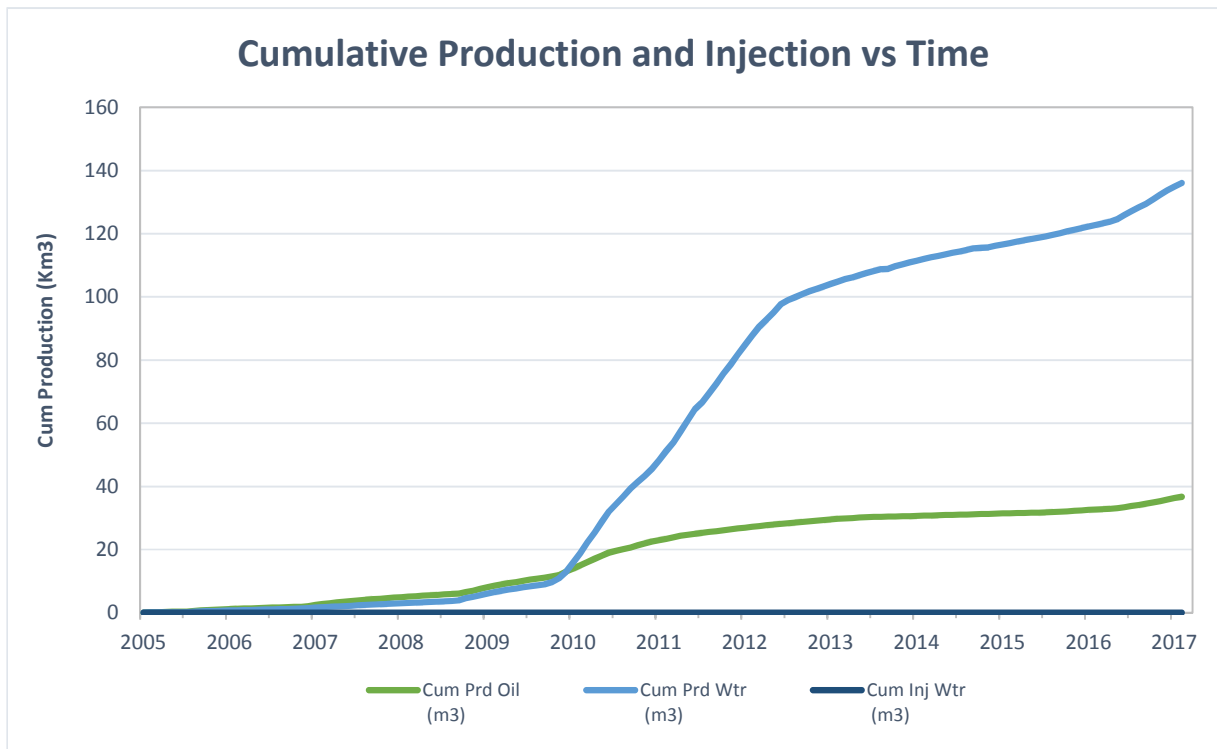
a) Monthly oil and water production rates, injection rate, GOR and WOR

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-2017	2.55	14.02	0.00	5.50	0
Feb-2017	4.46	17.28	0.00	3.88	0
Mar-2017	5.36	28.62	0.00	5.34	0
Apr-2017	10.68	41.59	0.00	3.90	0
May-2017	11.94	41.47	0.00	3.47	0
Jun-2017	11.33	38.48	0.00	3.40	0
Jul-2017	11.65	36.90	0.00	3.17	0
Aug-2017	14.15	47.49	0.00	3.36	0
Sep-2017	14.42	47.37	0.00	3.28	0
Oct-2017	15.11	44.52	0.00	2.95	0
Nov-2017	16.04	39.39	0.00	2.46	0
Dec-2017	13.23	36.97	0.00	2.80	0

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

2017 PRODUCTION	
Produced Oil (m ³)	3,993
Produced Gas (m ³)	0
Produced Water (m ³)	13,239
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	36,674
Produced Water (m ³)	136,031

Sinclair Unit No. 20



<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
103/16-13-008-29W1/0	Horizontal	Producing	WIW Conversion
100/01-24-008-29W1/0	Vertical	Producing	-
102/01-24-008-29W1/0	Horizontal	Producing	-
100/02-24-008-29W1/2	Horizontal	Producing	-
100/03-24-008-29W1/3	Horizontal	Producing	-
100/13-24-008-29W1/0	Horizontal	Producing	-
102/13-24-008-29W1/0	Horizontal	Producing	-
100/14-24-008-29W1/0	Horizontal	Producing	-
100/15-24-008-29W1/0	Horizontal	Producing	-
100/16-24-008-29W1/0	Vertical	Abandoned Zone	-