

Sinclair Unit No. 13

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

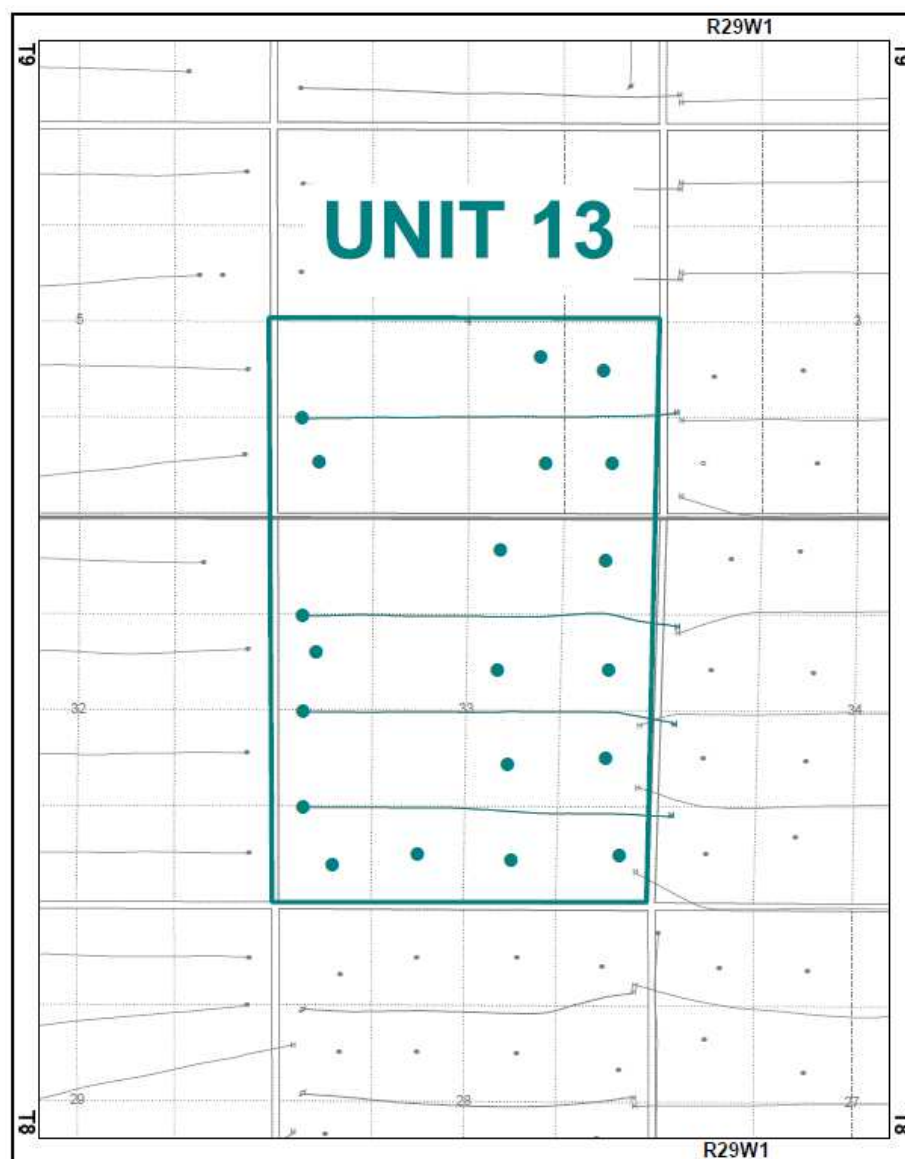
August 2, 2018

INTRODUCTION

Sinclair Unit No. 13 Enhanced Oil Recovery (EOR) Waterflood Project was approved on March 1, 2015 with Tundra Oil and Gas (Tundra) as Operator. The EOR Unit area, outlined in green, contains 16 producing vertical wells and 4 producing horizontal wells in 24 LSDs in Township 8 & 9 Range 29 W1 as shown in the figure below.

This unit is currently not on injection.

Figure 1: Sinclair Unit No. 13 Area Outline



Sinclair Unit No. 13

Tundra Oil and Gas (Tundra), as the operator of the Sinclair Unit No. 13 Enhanced Oil Recovery (EOR) project hereby submits the 2017 EOR report as per section 73 of the Drilling and Production Regulations.

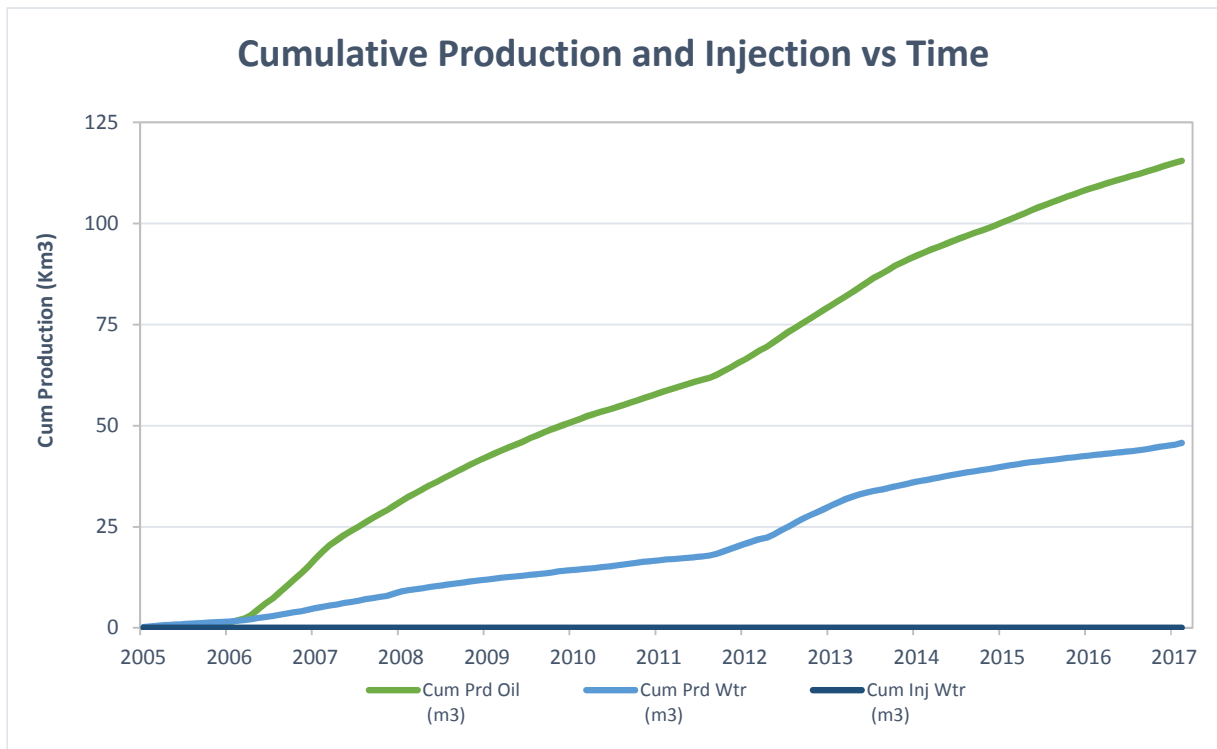
a) Monthly oil and water production rates, injection rate, GOR and WOR

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	19.06	6.11	0.00	0.32	0
Feb-2017	19.20	6.31	0.00	0.33	0
Mar-2017	17.66	6.17	0.00	0.35	0
Apr-2017	17.19	5.83	0.00	0.34	0
May-2017	16.65	6.28	0.00	0.38	0
Jun-2017	17.30	7.49	0.00	0.43	0
Jul-2017	17.99	7.69	0.00	0.43	0
Aug-2017	16.89	9.10	0.00	0.54	0
Sep-2017	18.50	9.64	0.00	0.52	0
Oct-2017	18.03	8.76	0.00	0.49	0
Nov-2017	17.99	8.60	0.00	0.48	0
Dec-2017	16.40	15.12	0.00	0.92	0

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

2017 PRODUCTION	
Produced Oil (m ³)	6,470
Produced Gas (m ³)	0
Produced Water (m ³)	2,960
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	115,487
Produced Water (m ³)	45,721

Sinclair Unit No. 13



<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/01-33-008-29W1/0	Vertical	Producing	-
100/02-33-008-29W1/0	Vertical	Producing	-
100/03-33-008-29W1/0	Vertical	Producing	-
100/04-33-008-29W1/0	Vertical	Producing	-
102/04-33-008-29W1/0	Horizontal	Producing	-
100/05-33-008-29W1/0	Horizontal	Producing	WIW Conversion
100/07-33-008-29W1/2	Vertical	Producing	-
100/08-33-008-29W1/0	Vertical	Producing	-
100/09-33-008-29W1/0	Vertical	Producing	-
100/10-33-008-29W1/2	Vertical	Producing	-
100/12-33-008-29W1/0	Vertical	Producing	-
102/12-33-008-29W1/0	Horizontal	Producing	-
100/15-33-008-29W1/2	Vertical	Producing	-
100/16-33-008-29W1/0	Vertical	Commingle	-
100/01-04-009-29W1/0	Vertical	Producing	-
100/02-04-009-29W1/0	Vertical	Producing	-
100/04-04-009-29W1/0	Vertical	Producing	-
102/04-04-009-29W1/0	Horizontal	Producing	WIW Conversion
100/07-04-009-29W1/0	Vertical	Producing	-
100/08-04-009-29W1/0	Vertical	Producing	-