

Ewart Unit No. 13

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

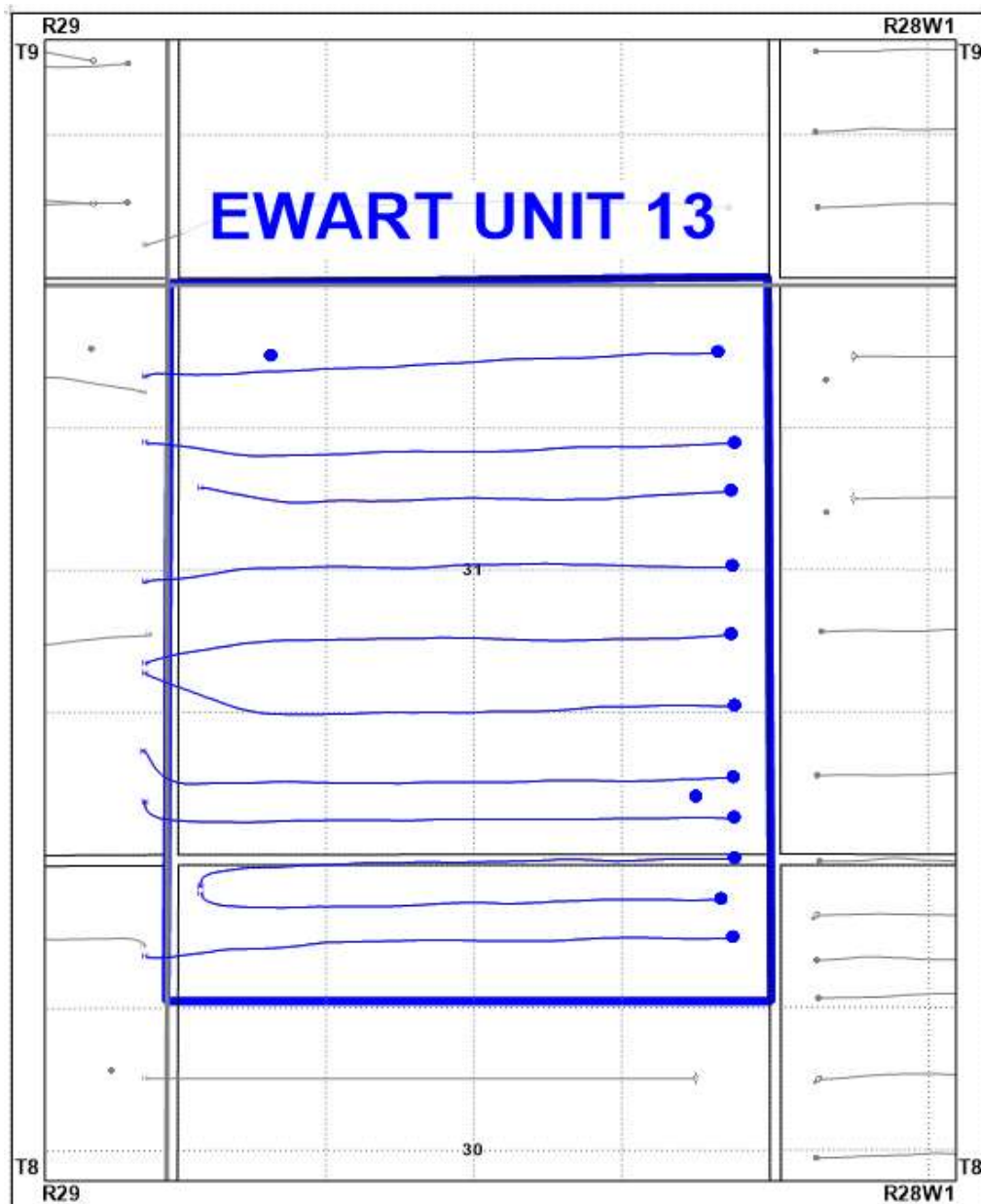
April 4, 2019

INTRODUCTION

Ewart Unit No. 13 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective August 1st, 2017 with Tundra Oil and Gas as Operator. The EOR project area, outlined in blue in Figure 1, contains 2 vertical producing wells and 11 horizontal producing wells in 20 LSDs in Township 8, Range 28W1.

This unit is currently not on injection.

Figure 1: Ewart Unit No. 13 Area Outline



Ewart Unit No. 13

Tundra Oil and Gas (Tundra), as the operator of the Ewart Unit No. 13 Enhanced Oil Recovery (EOR) project hereby submits the 2018 EOR report as per section 73 of the Drilling and Production Regulations.

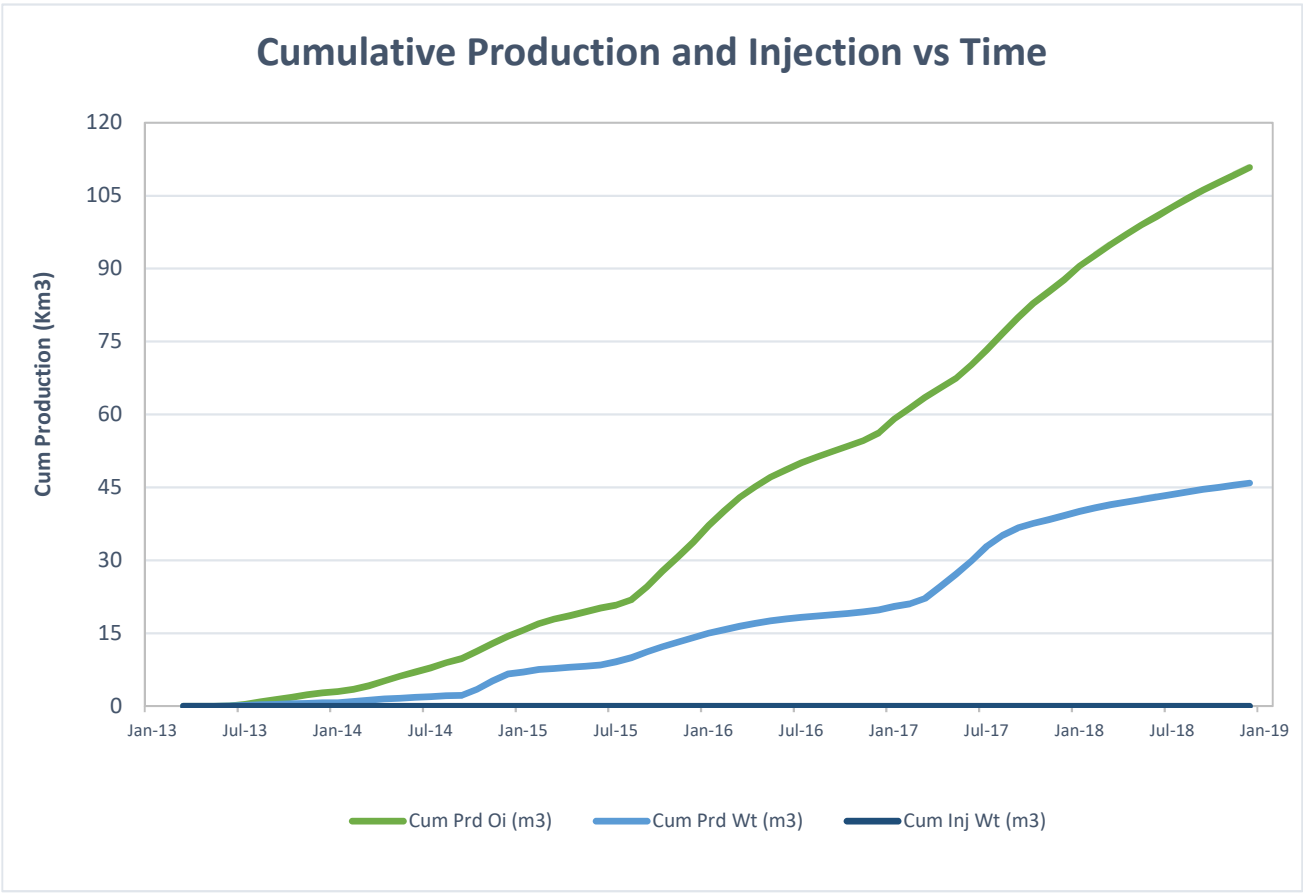
a) Monthly oil and water production rates, injection rate, GOR and WOR

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	91.69	27.69	0.00	0.30	0
Feb-2018	78.39	26.09	0.00	0.33	0
Mar-2018	71.03	20.31	0.00	0.29	0
Apr-2018	67.08	17.37	0.00	0.26	0
May-2018	64.31	17.28	0.00	0.27	0
Jun-2018	59.08	18.13	0.00	0.31	0
Jul-2018	61.28	16.85	0.00	0.27	0
Aug-2018	58.79	17.61	0.00	0.30	0
Sep-2018	56.44	15.94	0.00	0.28	0
Oct-2018	51.73	13.99	0.00	0.27	0
Nov-2018	50.06	14.45	0.00	0.29	0
Dec-2018	49.57	14.72	0.00	0.30	0

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

2018 PRODUCTION	
Produced Oil (m ³)	23,075
Produced Gas (m ³)	0
Produced Water (m ³)	6,690
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	110,801
Produced Water (m ³)	45,904

Ewart Unit No. 13



c) Well List

Ewart Unit No. 13 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
102/16-30-008-28W1/0	Horizontal	Producing	-
103/16-30-008-28W1/0	Horizontal	Producing	-
100/01-31-008-28W1/2	Vertical	Producing	-
103/01-31-008-28W1/0	Horizontal	Producing	-
104/01-31-008-28W1/0	Horizontal	Producing	-
105/01-31-008-28W1/0	Horizontal	Producing	-
102/08-31-008-28W1/0	Horizontal	Producing	-
103/08-31-008-28W1/0	Horizontal	Producing	-
102/09-31-008-28W1/0	Horizontal	Producing	-
103/09-31-008-28W1/0	Horizontal	Producing	-
104/09-31-008-28W1/3	Horizontal	Producing	-
100/13-31-008-28W1/2	Vertical	Producing	-
103/16-31-008-28W1/0	Horizontal	Producing	-