

Cromer Unit No. 5

Waterflood Progress Report 2019

January 1st through December 31st 2019

Prepared for:

Manitoba Industry, Economic Development and Mines

Petroleum Branch

Prepared by:

Tundra Oil and Gas

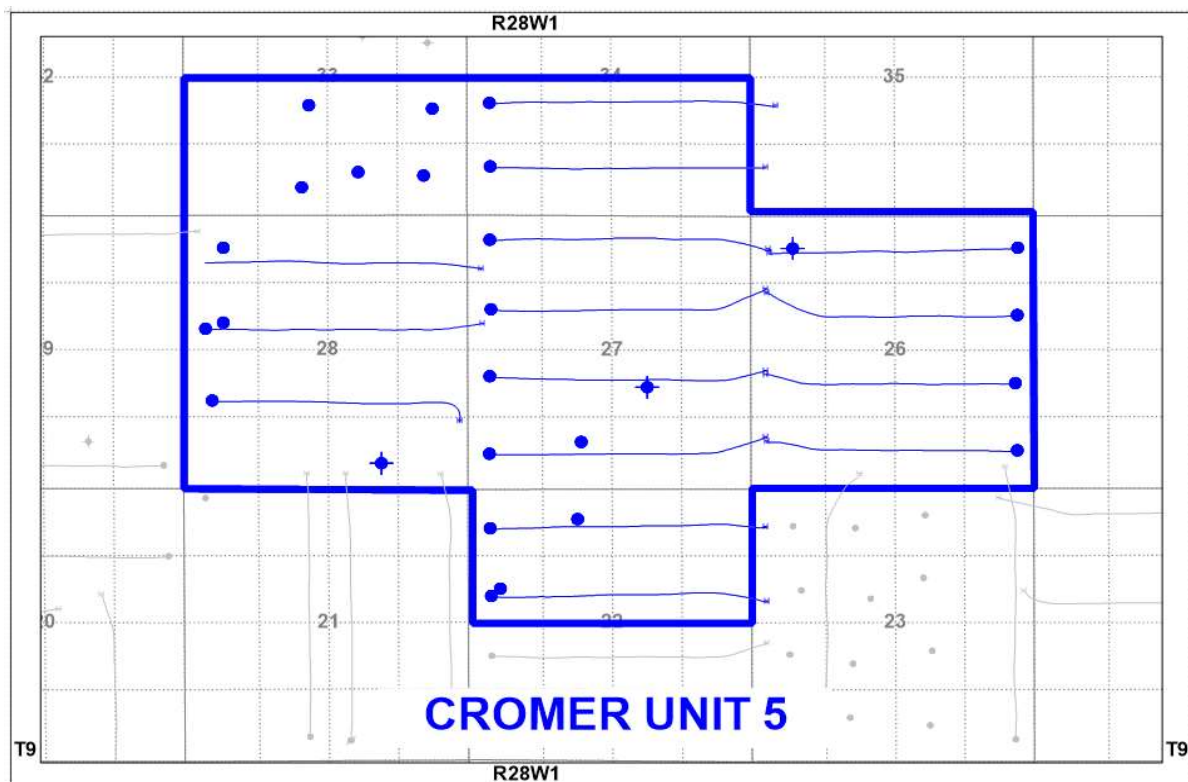
April 27, 2020

INTRODUCTION

Cromer Unit No. 5 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective June 1, 2019 with Tundra Oil and Gas as Operator. The EOR project area, outlined in Figure 1, contains 27 wells over 72 LSDs in Township 9, Range 28 W1.

This unit is currently not on injection.

Figure 1: Cromer Unit No. 5 Area Outline



Cromer Unit No. 5

Tundra Oil and Gas (Tundra), as the operator of the Cromer Unit No. 5 Enhanced Oil Recovery (EOR) project hereby submits the 2019 EOR report as per section 73 of the Drilling and Production Regulations.

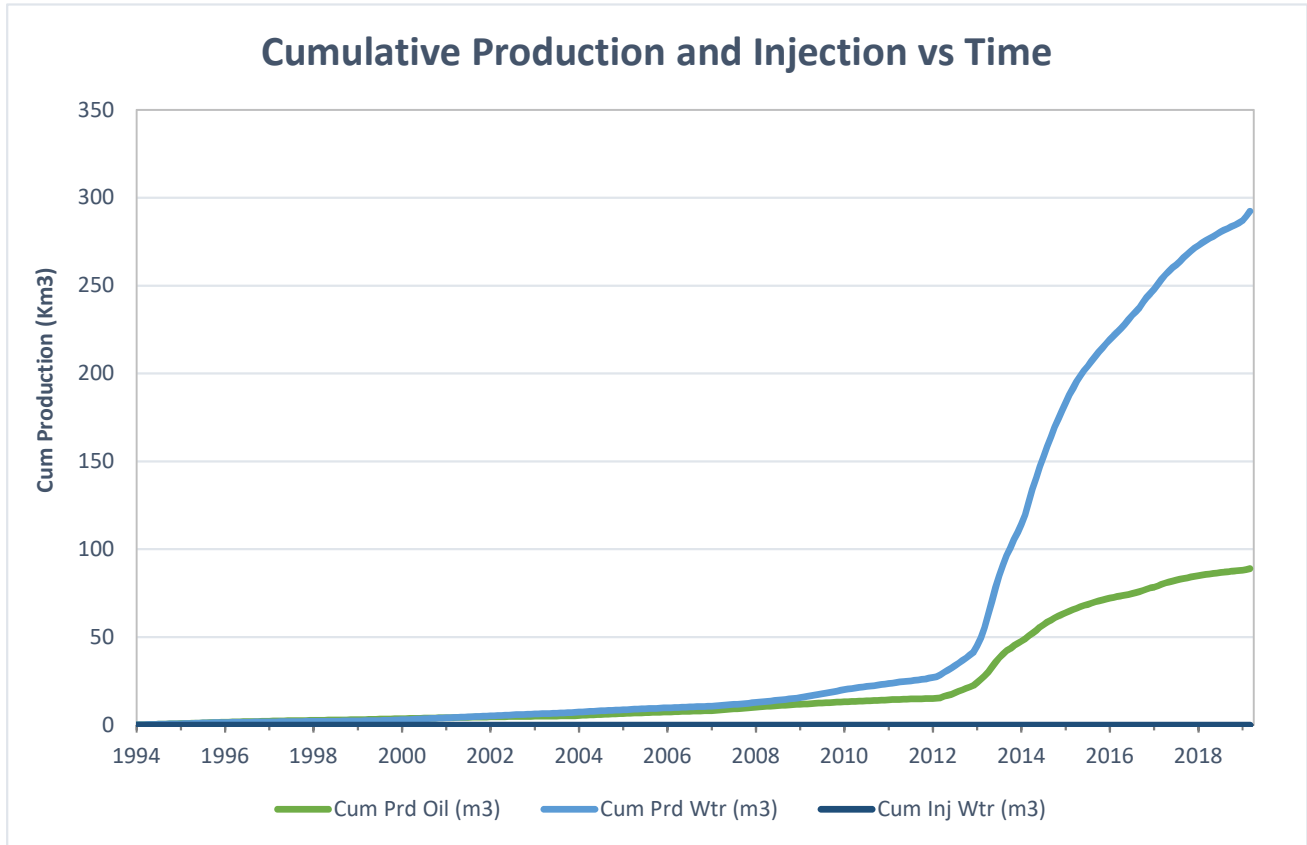
a) Monthly oil and water production rates, injection rate, GOR and WOR

MONTH	Cal Dly Oil m 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-2019	10.16	40.18	0.00	3.95	0
Feb-2019	9.51	37.97	0.00	3.99	0
Mar-2019	8.55	40.21	0.00	4.71	0
Apr-2019	9.14	41.35	0.00	4.52	0
May-2019	8.51	37.04	0.00	4.35	0
Jun-2019	7.16	32.85	0.00	4.59	0
Jul-2019	6.90	31.56	0.00	4.57	0
Aug-2019	7.37	31.36	0.00	4.25	0
Sep-2019	5.94	37.17	0.00	6.25	0
Oct-2019	8.31	47.10	0.00	5.67	0
Nov-2019	12.36	79.39	0.00	6.42	0
Dec-2019	16.28	92.41	0.00	5.67	0

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

2019 PRODUCTION	
Produced Oil (m ³)	3,353
Produced Gas (m ³)	0
Produced Water (m ³)	16,702
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	88,962
Produced Water (m ³)	292,382

Cromer Unit No. 5



c) Well List

Cromer Unit No. 5 Well List

<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
100/12-22-009-28W1/2	Vertical	Producing	-
102/12-22-009-28W1/0	Horizontal	Producing	-
100/13-22-009-28W1/0	Horizontal	Producing	-
100/14-22-009-28W1/2	Vertical	Commingled	-
100/01-26-009-28W1/0	Horizontal	Producing	-
100/08-26-009-28W1/0	Horizontal	Producing	-
102/09-26-009-28W1/0	Horizontal	Producing	-
100/13-26-009-28W1/2	Vertical	Abandoned Zone	-
102/16-26-009-28W1/0	Horizontal	Producing	-
100/03-27-009-28W1/2	Vertical	Pumping	-
100/04-27-009-28W1/0	Horizontal	Producing	-
100/05-27-009-28W1/0	Horizontal	Producing	-
100/07-27-009-28W1/2	Vertical	Abandoned Zone	-
100/12-27-009-28W1/0	Horizontal	Producing	-
100/13-27-009-28W1/0	Horizontal	Producing	-
102/02-28-009-28W1/2	Vertical	Abandoned Zone	-
102/05-28-009-28W1/0	Horizontal	Producing	-
100/12-28-009-28W1/2	Vertical	Pumping	-
102/12-28-009-28W1/0	Horizontal	Producing	-
102/13-28-009-28W1/0	Horizontal	Producing	-
100/01-33-009-28W1/2	Vertical	Producing	-
100/02-33-009-28W1/2	Vertical	Commingled	-
100/03-33-009-28W1/2	Vertical	Producing	-
102/06-33-009-28W1/2	Vertical	Commingled	-
100/08-33-009-28W1/2	Vertical	Producing	-
100/04-34-009-28W1/0	Horizontal	Producing	-
100/05-34-009-28W1/0	Horizontal	Producing	-