

Daly Unit No. 19

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

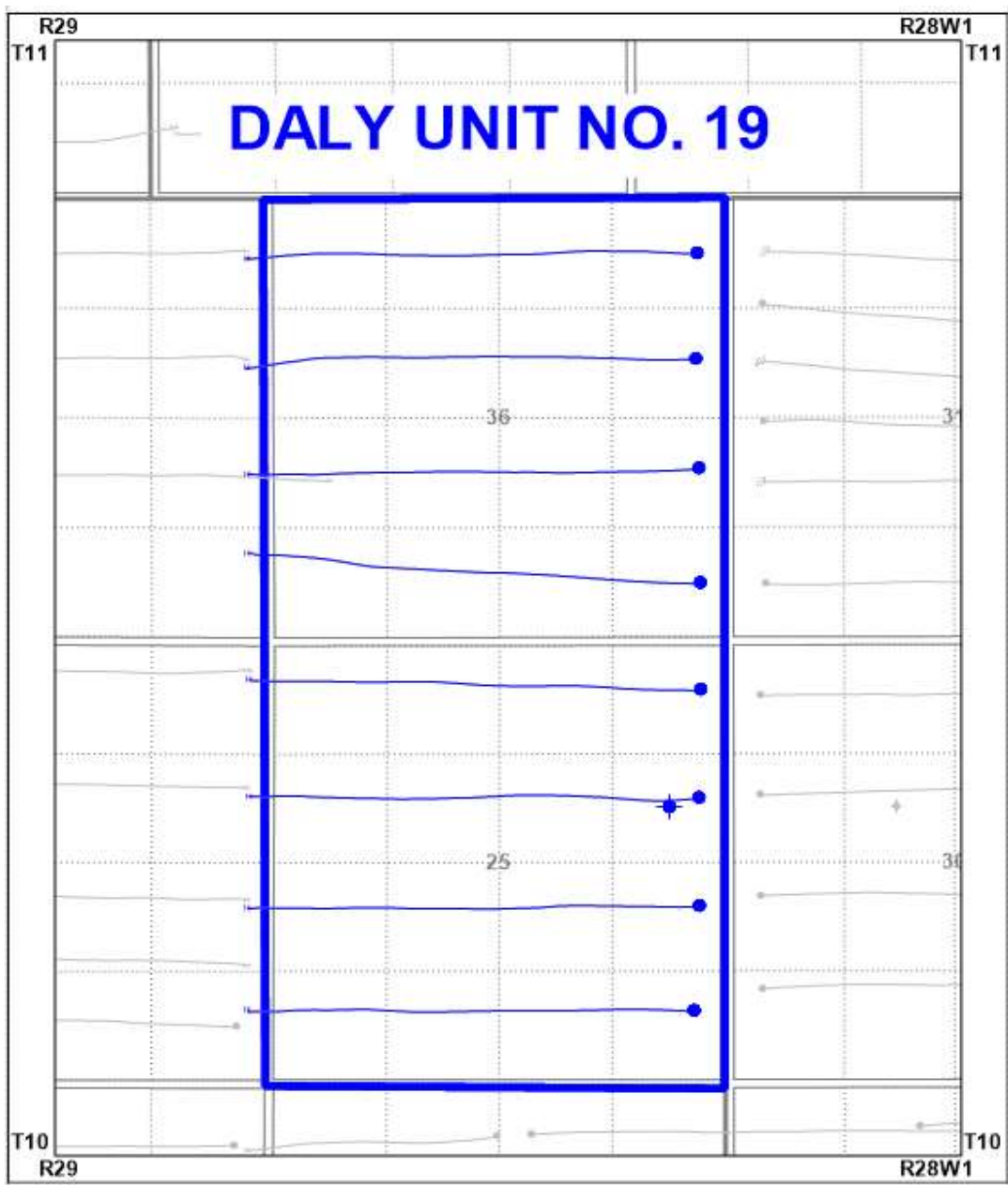
April 13, 2020

INTRODUCTION

Daly Unit No. 19 Enhanced Oil Recovery (EOR) Waterflood Project was approved effective April 1, 2019 with Tundra Oil and Gas as Operator. The EOR project area, outlined in Figure 1, contains 9 well over 32 LSDs in Township 10, Range 29 W1.

This unit is currently not on injection.

Figure 1: Daly Unit No. 19 Area Outline



Daly Unit No. 19

Tundra Oil and Gas (Tundra), as the operator of the Daly Unit No. 19 Enhanced Oil Recovery (EOR) project hereby submits the 2019 EOR report as per section 73 of the Drilling and Production Regulations.

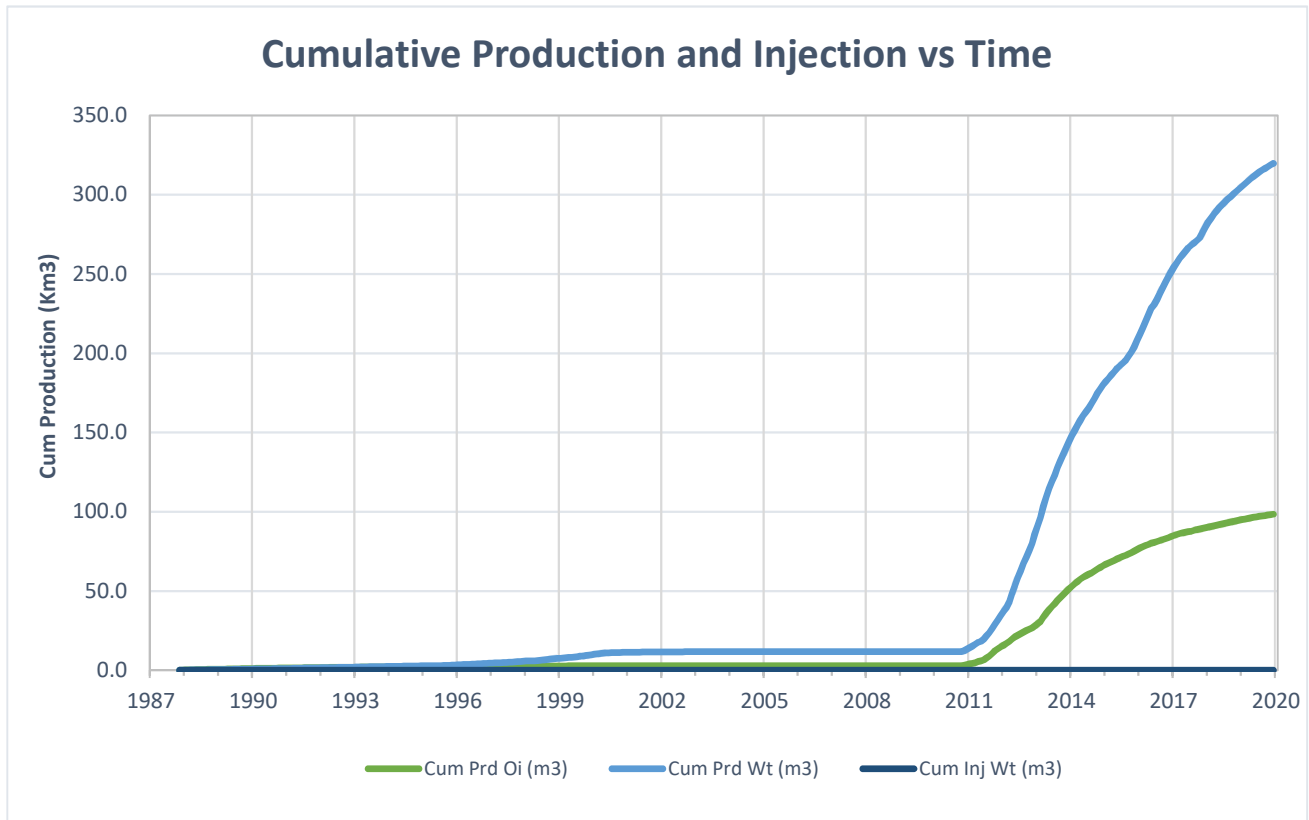
a) Monthly oil and water production rates, injection rate, GOR and WOR

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	10.28	52.92	0.00	5.15	0
Feb-2019	10.73	49.44	0.00	4.61	0
Mar-2019	12.28	52.63	0.00	4.29	0
Apr-2019	11.05	49.15	0.00	4.45	0
May-2019	11.65	50.04	0.00	4.30	0
Jun-2019	10.98	47.05	0.00	4.28	0
Jul-2019	10.25	43.26	0.00	4.22	0
Aug-2019	8.14	36.53	0.00	4.49	0
Sep-2019	8.52	35.90	0.00	4.21	0
Oct-2019	8.12	36.15	0.00	4.45	0
Nov-2019	9.39	36.33	0.00	3.87	0
Dec-2019	9.40	32.73	0.00	3.48	0

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

2019 PRODUCTION	
Produced Oil (m ³)	3,672
Produced Gas (m ³)	0
Produced Water (m ³)	15,869
Fluid Injected (m ³)	0
CUMULATIVE PRODUCTION	
Produced Oil (m ³)	98,468
Produced Water (m ³)	319,819

Daly Unit No. 19



<i>UWI</i>	<i>Type</i>	<i>Status</i>	<i>Future Plans</i>
102/01-25-010-29W1/0	Horizontal	Producing	-
103/08-25-010-29W1/0	Horizontal	Producing	-
100/09-25-010-29W1/2	Vertical	Abandoned	-
102/09-25-010-29W1/0	Horizontal	Producing	-
100/16-25-010-29W1/0	Horizontal	Producing	-
100/01-36-010-29W1/0	Horizontal	Producing	-
100/08-36-010-29W1/0	Horizontal	Producing	-
100/09-36-010-29W1/0	Horizontal	Producing	-
100/16-36-010-29W1/0	Horizontal	Producing	-

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d) Discussion

Seven horizontal injection wells are required for Daly Unit No. 19. It is likely that the future horizontal injection wells will be drilled between the existing horizontal producing wells, completing an effective 20 acre horizontal to horizontal line drive waterflood pattern within Daly Unit No. 19.