

Daly Unit #16
2019 Annual EOR Report

Executive Summary

In 2019 oil production in the Daly Unit #16 averaged 22.1 m³/d (132.9 bbl/d) totaling 7.7e³m³ (48.5 mbbbl). Annual production declined by 37% from 2018 to 2019, this is using the yearly average, if using December 2018 to December 2019 the decline in production would be 23%. By the end of 2019 cumulative oil production from the Daly Unit #16 was 34.2 e³m³ (214.9 mbbbl). The unit is currently still under primary production and has had no water injected into the producing formations.

In December 2019 there were 2 producing oil wells, and two wells crossing unit boundaries on production, and no active water injectors in the unit. In 2017, two wells were drilled within the unit. In 2018 and 2019, there was no activity within the unit.

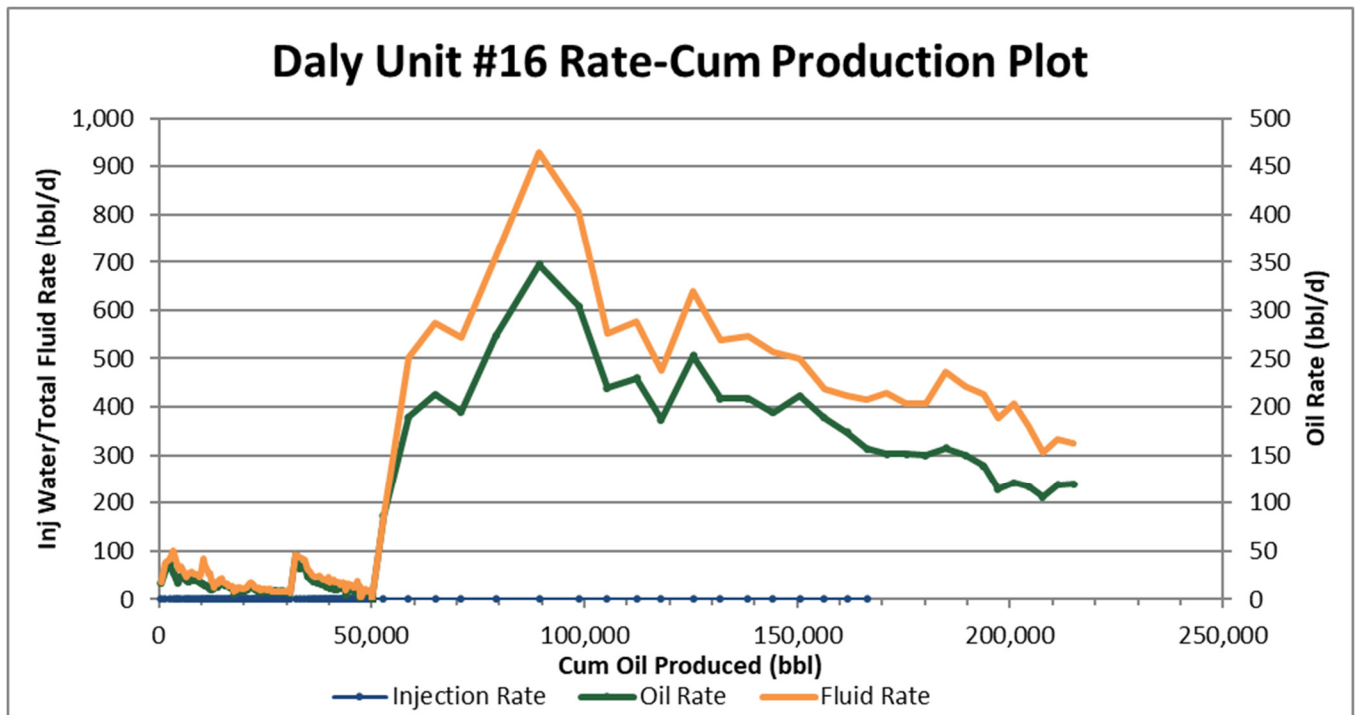
Discussion

The Daly Unit #16 was created as a unit in 2018, with the intention of further development through the implementation of a waterflood scheme.

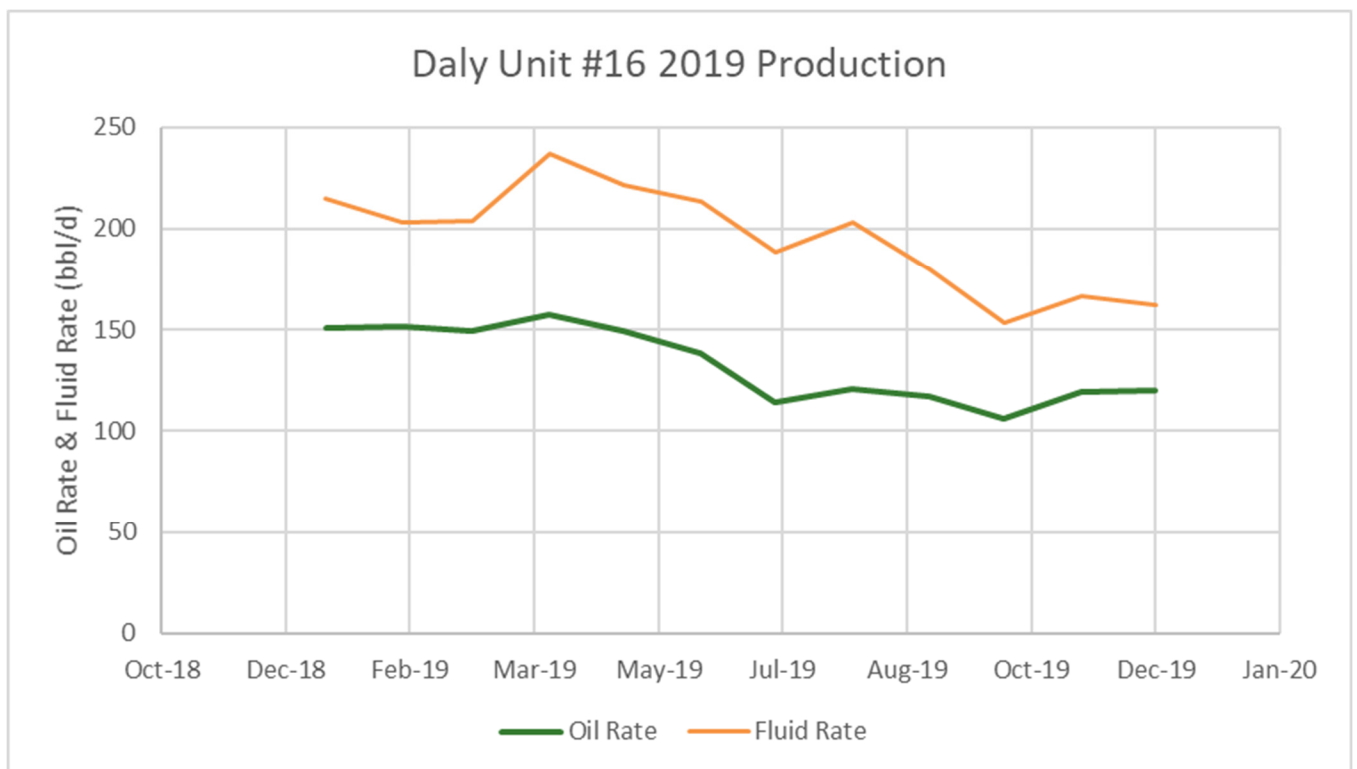
In 1953, 3 vertical wells were drilled and all produced for only ten to twelve years. In the following years, there was no development in the unit area, until Corex was active drilling horizontal wells and completing with hydraulic fractures. The intention is to progress to secondary recovery methods after a period of primary production. This unit has a low recovery factor and further development through waterflood will increase the recovery. In 2019, the producing WOR was $0.35 \text{ m}^3/\text{m}^3$.

There were no significant events in 2019.

Daly Unit #16 – Rate vs Cum Oil Production



Daly Unit #16 – Rate vs Time



2019 Reservoir Pressure Surveys

No pressures have been taken in this unit since the history of its inception. It is estimated that the initial reservoir pressure is around 7,500 kPa and the bubble point around 2,000 kPa. With the recent rapid development in the unit and the inter well spacing the reservoir pressure is likely dropping significantly. When effects of a decline in pressure is seen, the implementation of a waterflood will be advantageous. Due to the nature of the rock in this area and the lower permeability recording accurate pressures are difficult.

2019 Well Servicing

UWI	Unit	Licence	Start Date	Operation	Objective
105/12-03-010-28W1/00	DU1 / DU16	11301	2019-06-11	Construction	Construction
105/12-03-010-28W1/00	DU1 / DU16	11301	2019-06-21	Facilities	Equip & Tie-In
105/12-03-010-28W1/00	DU1 / DU16	11301	2019-10-25	Drilling	Drilling - original
105/12-03-010-28W1/00	DU1 / DU16	11301	2019-11-22	Completion/Workover	Initial Completion
102/08-04-010-28W1/00	DU16	10643	2019-09-13	Facilities	Insulate and Heat Trace for Compressor
102/08-04-010-28W1/00	DU16	10643	2019-10-01	Facilities	Cathodic
102/08-04-010-28W1/00	DU16	10643	2019-10-01	Completion/Workover	Pump Repair