

**Daly Unit No. 16**  
**2020 Annual EOR Report**

## **Executive Summary**

In 2020, oil production in the Daly Unit No. 16 averaged 13.4m<sup>3</sup>/d (84 bbl/d) totaling 4.9 e<sup>3</sup>m<sup>3</sup> (30.8 mbbbl). Annual production declined by 39.5% from 2019 to 2020, this is using the yearly average, if using December 2019 to December 2020 the decline in production would be 35.7%. By the end of 2020 cumulative oil production from the Daly Unit No. 16 was 39.1 e<sup>3</sup>m<sup>3</sup> (245.7 mbbbl). The unit is currently still under primary production and has had no water injected into the producing formations. However, plans are in place to convert a well to injection next year.

In December 2020 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, 2019, and 2020 there was no activity within the unit.

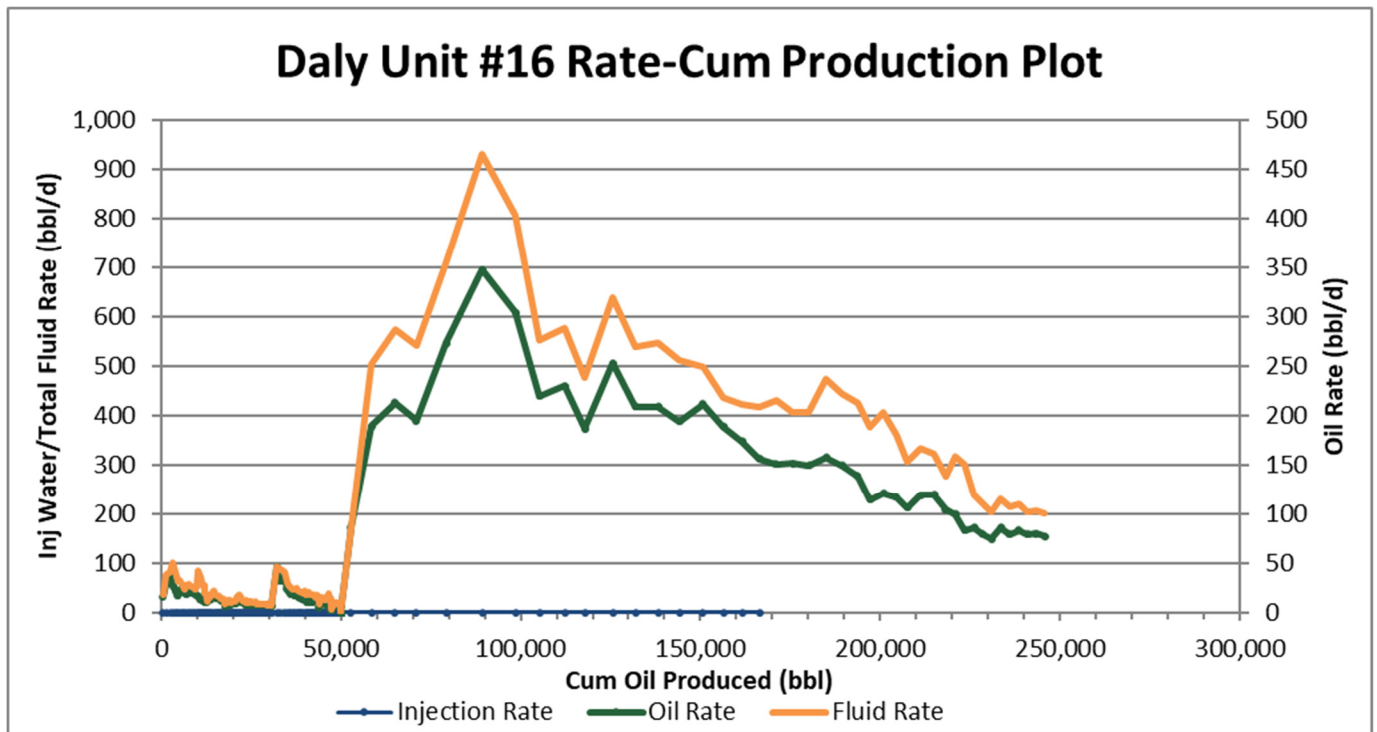
## **Discussion**

The Daly Unit No. 16 was created as a unit in 2018, with the intention of further development through the implementation of a waterflood scheme.

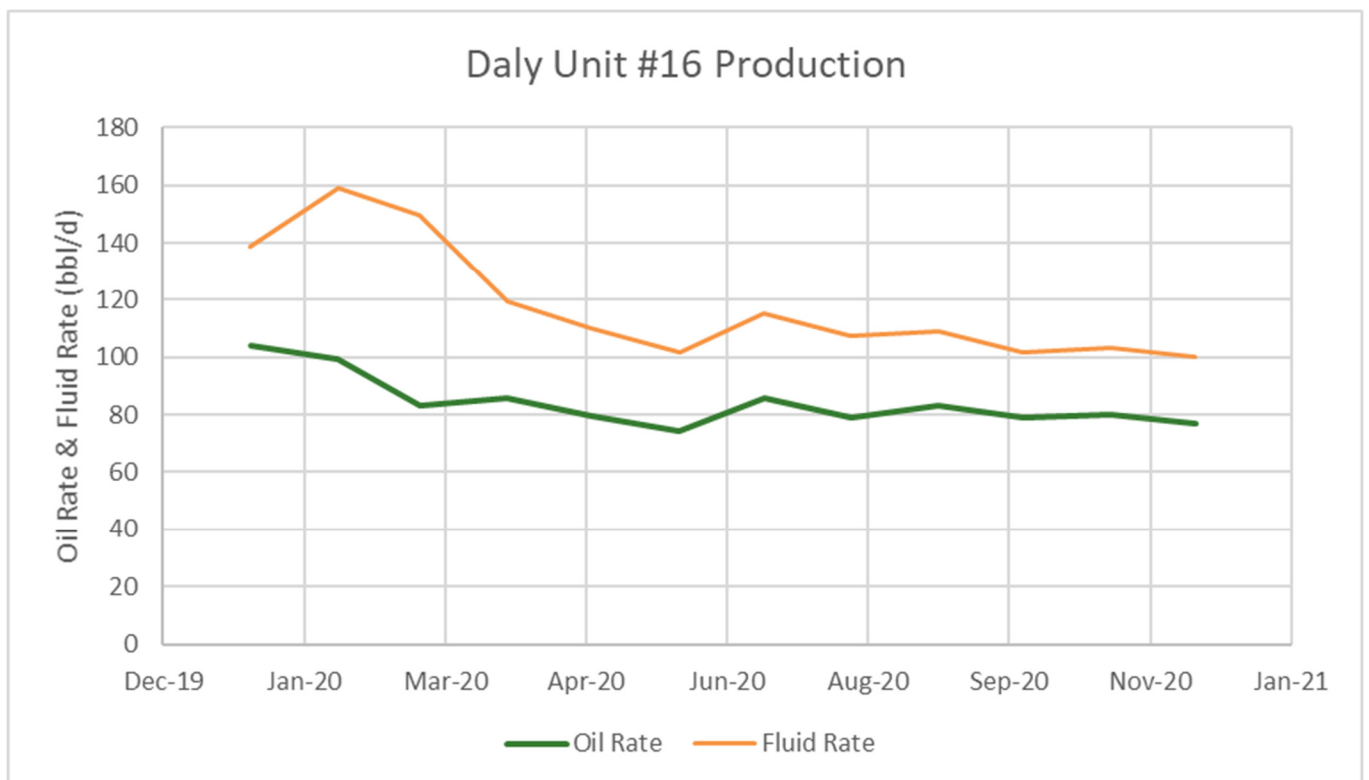
In 1953, three vertical wells were drilled and all produced for only ten to twelve years. In the following years, there was no development in the unit area, until Corex was active drilling horizontal wells and completing with hydraulic fractures. The intention is to progress to secondary recovery methods after a period of primary production. This unit has a low recovery factor and further development through waterflood will increase the recovery. In 2020, the producing WOR was 0.4 m<sup>3</sup>/m<sup>3</sup>.

There were no significant events in 2020.

## Daly Unit #16 – Rate vs Cum Oil Production



## Daly Unit #16 – Rate vs Time



## **2020 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. Plans are in place to convert a well to water injection in 2021. Due to the nature of the rock in this area and the lower permeability recording accurate pressures are difficult.

## **2020 Well Servicing**

There was no well servicing conducted within the unit in 2020.