

Daly Unit No. 1
2020 Annual EOR Report

Executive Summary

In 2020, oil production in Daly Unit No. 1 averaged 139 m³/d (874 bbl/d) totaling 50.8 e³m³ (319.8 mmbbl). Annual production declined 8.8% from 2019 to 2020, using the yearly average. The unit decreased production by 45.7% when comparing December 2019 with December 2020. By the end of 2020 cumulative oil production from the Daly Unit No. 1 was 1,574 e³m³ (9.9 mmbbl).

Prior to Corex operatorship there had been no drilling activity in the unit since the 1970's when all of the water injectors were drilled and the waterflood was initiated. However, in 2014 four horizontals were drilled in the Middle Daly formation, and another 4 wells were drilled in 2015 to set up a phase one waterflood area. In 2017, four Daly wells and one Crinoidal well were drilled, and four wells were converted to injection; however, injection did not begin until 2018. In 2018, ten wells were drilled, including horizontal wells that cross unit boundaries. In 2019, seven wells were drilled. In 2020, there were no wells drilled in the unit. In December 2020, there were 34 producing oil wells (only wells with the bottom hole located in Daly Unit No. 1 have been included in the count) and 6 water injectors currently active in the unit.

Discussion

The Daly Unit No. 1 has been under waterflood since 1969, 17 years after initial production in 1952. Water injection increased the oil production rate from $\sim 50 \text{ m}^3/\text{d}$ (314 bbl/d) just prior to injection to $\sim 140 \text{ m}^3/\text{d}$ (880 bbl/d) peak production after injection.

For the first year since Corex began fully developing the unit the production has declined instead of increased, as there was no drilling this year. Prior to development the unit had a relatively flat decline of 5.4%.

Significant events in 2020:

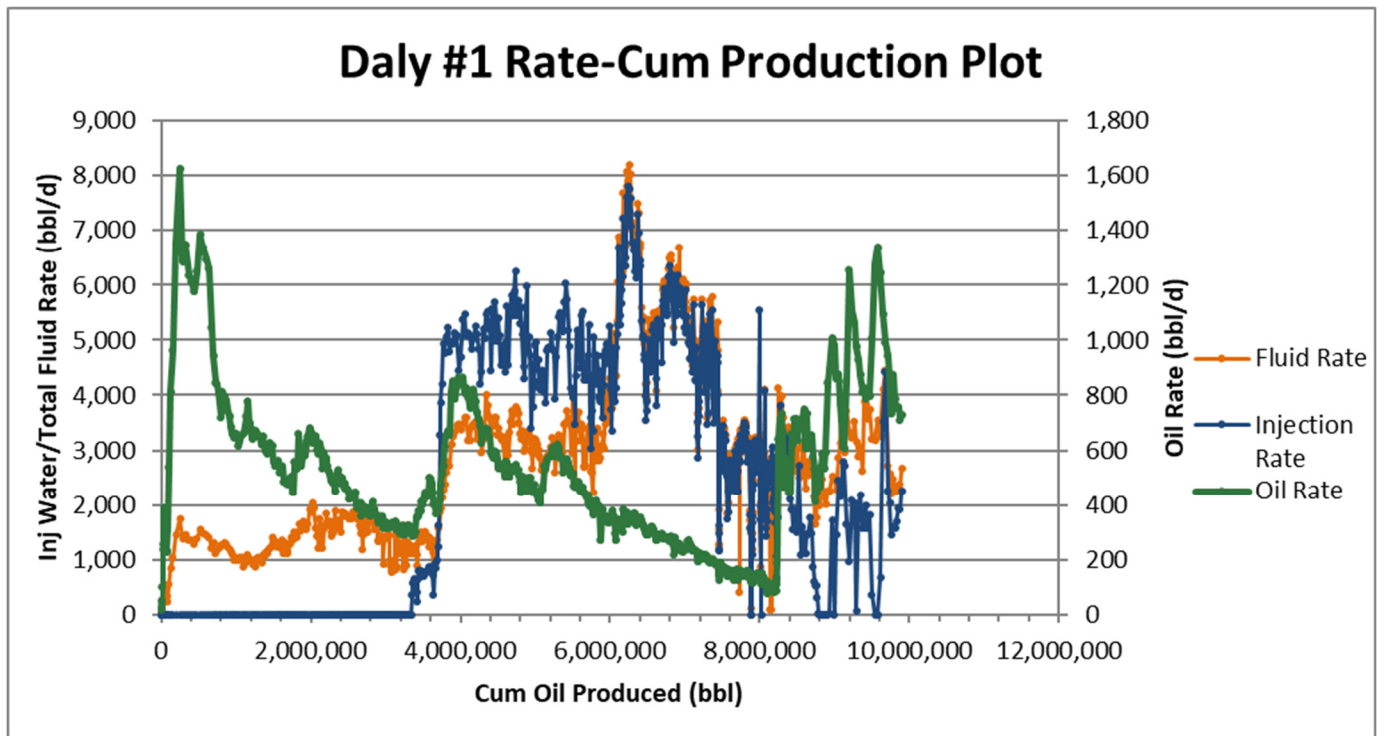
- March 2020, suspend the 100/13-03-010-28W1/00 vertical well.
- March 2020, suspend the 103/12-04-010-28W1/00 vertical well and move up-hole to test for source water.
- March 2020, perform the downhole work to convert the 104/04-10-010-28W1/00 well to injection.
- March 2020, perform the downhole work to convert the 105/12-03-010-28W1/00 well to injection.
- December 2020, abandon the 102/13-03-010-28W1/00 vertical well.

In the past the waterflood performed quite well. However, we believe that further injector conversions will be successful in recovering incremental reserves. The horizontal Daly wells have been drilled in a phase one area to facilitate a horizontal-horizontal waterflood that has been initiated in early 2018. The average injection rate for the unit over the year was $336 \text{ m}^3/\text{d}$ (2,116 bbl/d), all injection is focused on the phase 1 area of the horizontal to horizontal waterflood, however, this year within the area injection also commenced in the Crinoidal member. The producing WOR for the unit increased slightly to $2.2 \text{ m}^3/\text{m}^3$. All injection water at Daly Unit #1 is now filtered and treated prior to injection.

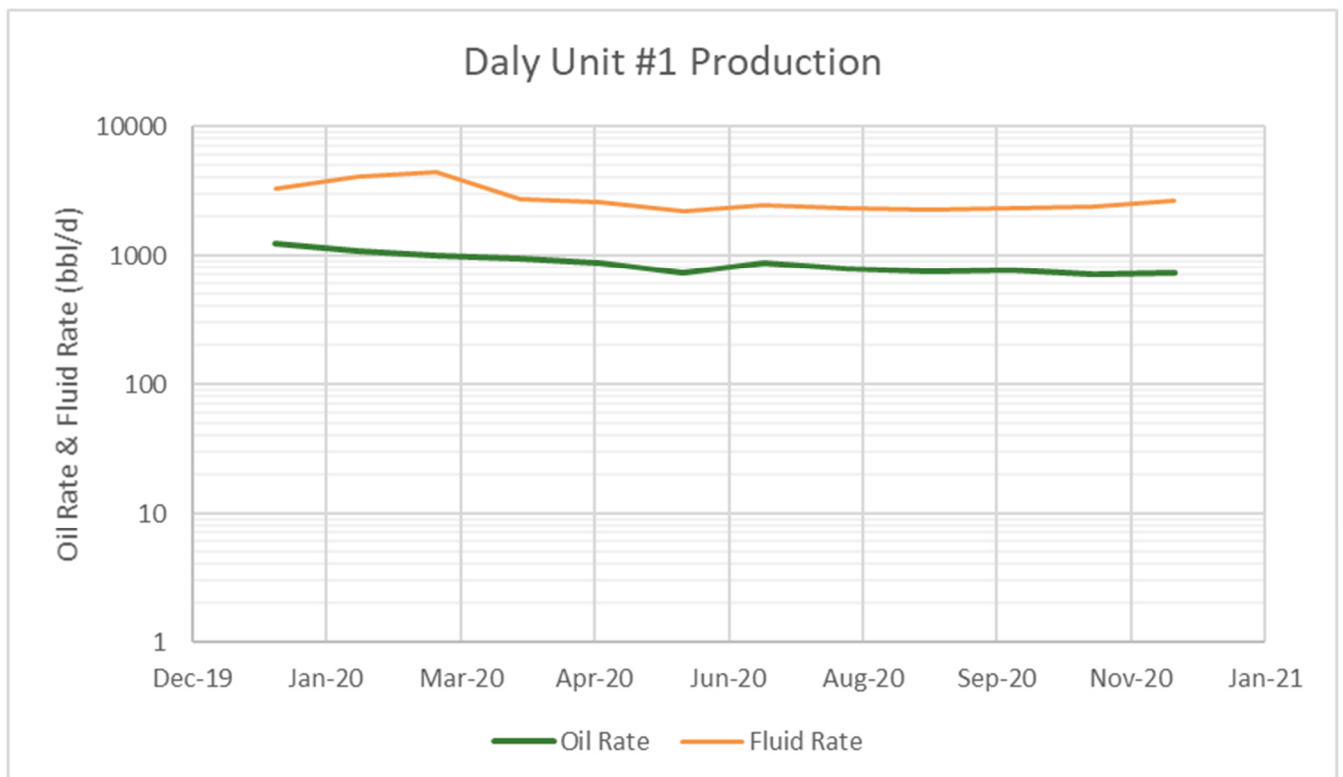
In the composite rate – cumulative oil plot below, waterflood response is clearly demonstrated at a cumulative oil production of $550 \text{ e}^3\text{m}^3$ (3.5 MMbbl). Waterflood response was very good and as a result expected ultimate oil recovery was increased by approximately 1.5 times the estimated primary recovery.

Detailed production, injection, voidage tables and plots for the total unit and each injection pattern are at the end of this report.

Daly #1 – Rate vs Cum Oil Production



Daly #1 – Rate vs Time



2020 Reservoir Pressure Surveys

Unit	UWI	License	Test Type	Date of Pressure	Duration of SI (days)	Datum BHP (kPaa)
Daly #1	100/15-32-009-28W1/00	333	FL Shot	2020-05-20	7639	7,902
Daly #1	102/13-03-010-28W1/00	2484	FL Shot	2020-06-02	774	7,545
Daly #1	102/13-03-010-28W1/00	2484	FL Shot	2020-11-23	945	8,015
Daly #1	100/02-04-010-28W1/00	1020	FL Shot	2020-12-19	981	1,299
Daly #1	100/02-04-010-28W1/00	1020	FL Shot	2020-06-02	784	1,188
Daly #1	100/02-04-010-28W1/00	1020	FL Shot	2020-12-19	981	1,089
Daly #1	102/05-04-010-28W1/00	2603	FL Shot	2020-05-20	1159	2,458
Daly #1	100/11-04-010-28W1/00	211	FL Shot	2020-06-02	784	2,607
Daly #1	100/11-04-010-28W1/00	211	FL Shot	2020-10-20	922	2,836
Daly #1	102/12-04-010-28W1/02	529	FL Shot	2020-05-20	199	1,749
Daly #1	103/12-04-010-28W1/00	2480	FL Shot	2020-02-28	1137	1,807
Daly #1	102/13-04-010-28W1/00	2601	FL Shot	2020-02-28	1137	1,411
Daly #1	102/15-04-010-28W1/00	2485	FL Shot	2020-06-02	774	5,152
Daly #1	102/15-04-010-28W1/00	2485	FL Shot	2020-10-20	912	5,157
Daly #1	100/02-05-010-28W1/00	327	FL Shot	2020-05-20	229	5,497
Daly #1	100/03-05-010-28W1/00	363	FL Shot	2020-05-20	229	644
Daly #1	100/07-05-010-28W1/00	322	FL Shot	2020-05-20	229	1,376
Daly #1	102/08-05-010-28W1/00	2479	FL Shot	2020-05-20	1084	2,199
Daly #1	100/08-05-010-28W1/00	308	FL Shot	2020-05-20	289	1,184
Daly #1	102/15-05-010-28W1/00	2602	FL Shot	2020-05-20	3519	918
Daly #1	100/15-05-010-28W1/00	2521	FL Shot	2020-05-20	3769	5,733
Daly #1	102/01-09-010-28W1/00	1360	FL Shot	2020-06-02	1401	1,737
Daly #1	102/01-09-010-28W1/00	1360	FL Shot	2020-10-20	1539	1,787
Daly #1	100/02-09-010-28W1/00	213	FL Shot	2020-06-02	681	4,105
Daly #1	100/02-09-010-28W1/00	213	FL Shot	2020-10-20	819	4,257

In 2020, a total of 25 pressures were recorded, however, some of these are from the same well at different times, a total of 18 unique wells had pressures taken. The average reservoir pressure from this survey is 3,200 kPa. This corroborates the realities we have seen within the unit and verifies historical pressure surveys. With the drilling of horizontal wells increasing depletion within the unit and the cessation of vertical injection the pressure has declined. Production on base vertical wells has also been seen to decline more sharply than anticipated. The vertical injection within the unit has been shut in in favor of the horizontal injection in the Northeast portion of the unit. This area appears to be receiving some support and we have seen some response in the area. However, pressures have clearly declined in other areas of the unit due to a lack

of pressure support. The initial reservoir pressure is estimated at 6,585 kPaa and the bubble point pressure as 1,517 kPaa.

In the unit we have observed some very low pressures in Daly Unit No. 1. It is believed that these pressures originate in the Crinoidal zone and that they may be due to a lack of pressure support, or conversely, it may be due to lower permeability where the pressures cannot fully build. There is a low pressured Crinoid horizontal, 102/12-10-010-28W1/00, just above the unit that is anomalous. When we re-entered the old verticals to perform uphole recompletions we noticed that the Crinoidal zone was low pressure, specifically in the Northeast section of the unit. Later returning to the recompletions for other work it was found that this pressure had equalized through the zones (or the contribution of the higher perm but lower pressure zone overwhelmed the other zones) giving an overall low pressure for the well. This again, is supported by the pressures recorded on the Crinoidal horizontals. With the conversion of some of the Crinoidal horizontal wells to injection we hope to help to provide pressure support and hopefully improve the sweep efficiency in that area of the unit. This will also help to keep the injection of the other horizontal wells in zone within the Daly.

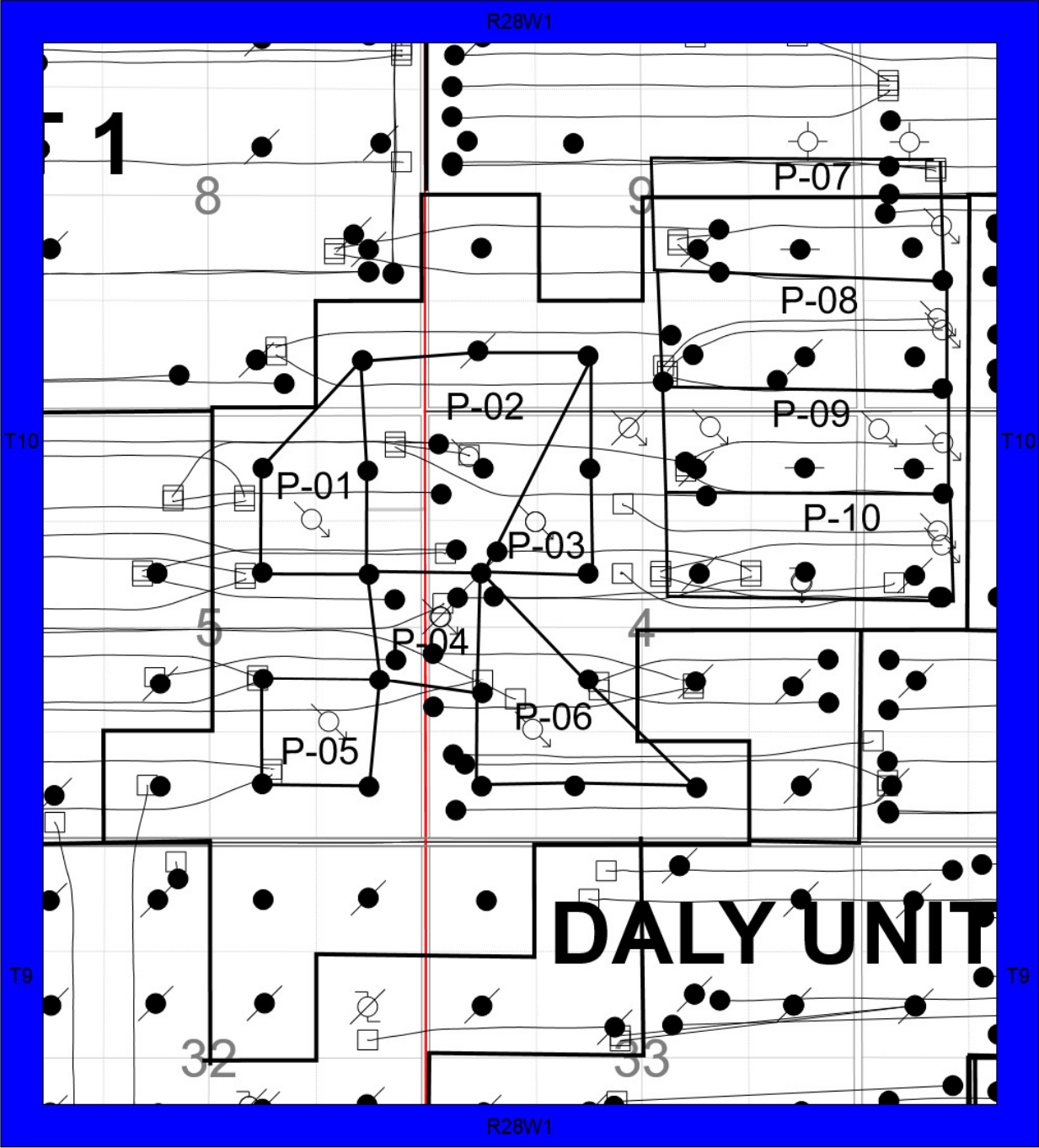
In 2020, the instantaneous voidage replacement ratio (VRR) ranged from 0.21 to 0.99 with an average of 0.74. The cumulative VRR at year end was 0.90, a reminder that this is all focused on only one area of the unit. An oil formation volume factor of 1.06 rm^3/sm^3 and a water formation volume factor of 1.04 rm^3/sm^3 were used in the VRR calculations.

There is partial pressure support for the field from an aquifer on the south west side of the field, mainly in the Crinoidal zone. Any water influx from this aquifer is not accounted for in the VRR calculation.

2020 Well Servicing

UWI	Unit	Licence	Start Date	Job Category	Primary Job Type
102/12-03-010-28W1/00	DU#1	10100	2020-03-18 10:00	Completion/Workover	Acid Treatment
102/05-10-010-28W1/00	DU#1	10033	2020-03-17 8:00	Completion/Workover	Acid Treatment
103/05-05-010-28W1/00	DU17 / DU1	10801	2020-10-07 16:08	Completion/Workover	Pump Repair
UPGRADE HEADER PIPING	DU#1	FF18DAL009	2020-06-16 0:00	Facilities	Header Repair
ASSINIBOINE COATING - DU1	DU#1	FF20DAL014	2020-12-14 7:30	Facilities	Header Repair
100/13-03-010-28W1/00	DU#1	000267	2020-03-01 9:30	Completion/Workover	Suspension
DEAD LEG REMOVAL - 12-04-10-28	DU#1	RM20DAL006	2020-06-16 0:00	Facilities	Dead Leg Removal
102/04-10-010-28W1/00	DU#1	10162	2020-03-16 12:00	Completion/Workover	Acid Treatment
102/09-05-010-28W1/00	DU#1	10960	2020-10-29 7:30	Completion/Workover	Downsize Pump
UPGRADE INJECTION SYSTEM - 102/15-04-010-	DU#1	WF20DAL005	2020-06-11 7:09	Facilities	Injection Pipeline
103/13-03-010-28W1/00	DU#1	10164	2020-03-17 10:30	Completion/Workover	Acid Treatment
EM SURVEYS - DU1	DU#1	R20DAL002	2020-04-01 9:11	Facilities	Remediation
104/13-04-010-28W1/00	DU#1	10732	2020-10-06 12:00	Completion/Workover	Downsize Pump
TURNAROUND - 12-04-10-28 BATTERY	DU#1	T20DAL003	2020-06-15 0:00	Facilities	Turnaround
104/04-10-010-28W1/00	DU#1	11286	2020-03-13 7:30	Completion/Workover	Injection Conversion
104/04-10-010-28W1/00	DU#1	11286	2020-06-01 12:42	Facilities	Injection Pipeline
102/13-03-010-28W1/00	DU#1	002484	2020-12-12 13:00	Abandon	Abandon Well
103/12-04-010-28W1/00	DU#1	002480	2020-03-06 7:30	Completion/Workover	Recompletion
103/12-04-010-28W1/00	DU#1	002480	2020-09-04 11:00	Completion/Workover	Swab & Evaluate
SITE SPECIFIC RISK ASSESSMENT - 12-04-10-	DU#1	R20DAL004	2020-10-18 21:20	Facilities	Remediation
SITE SPECIFIC RISK ASSESSMENT - 12-04-10-	DU#1	R20DAL004	2020-11-05 20:20		
TILE SYSTEM INSTALLATION - 09-05-	DU#1	R20DAL003	2020-10-07 9:18	Facilities	Remediation
100/02-05-010-28W1/00	DU#1	000327	2020-10-29 7:30	Completion/Workover	Pump Repair

Waterflood Pattern Map

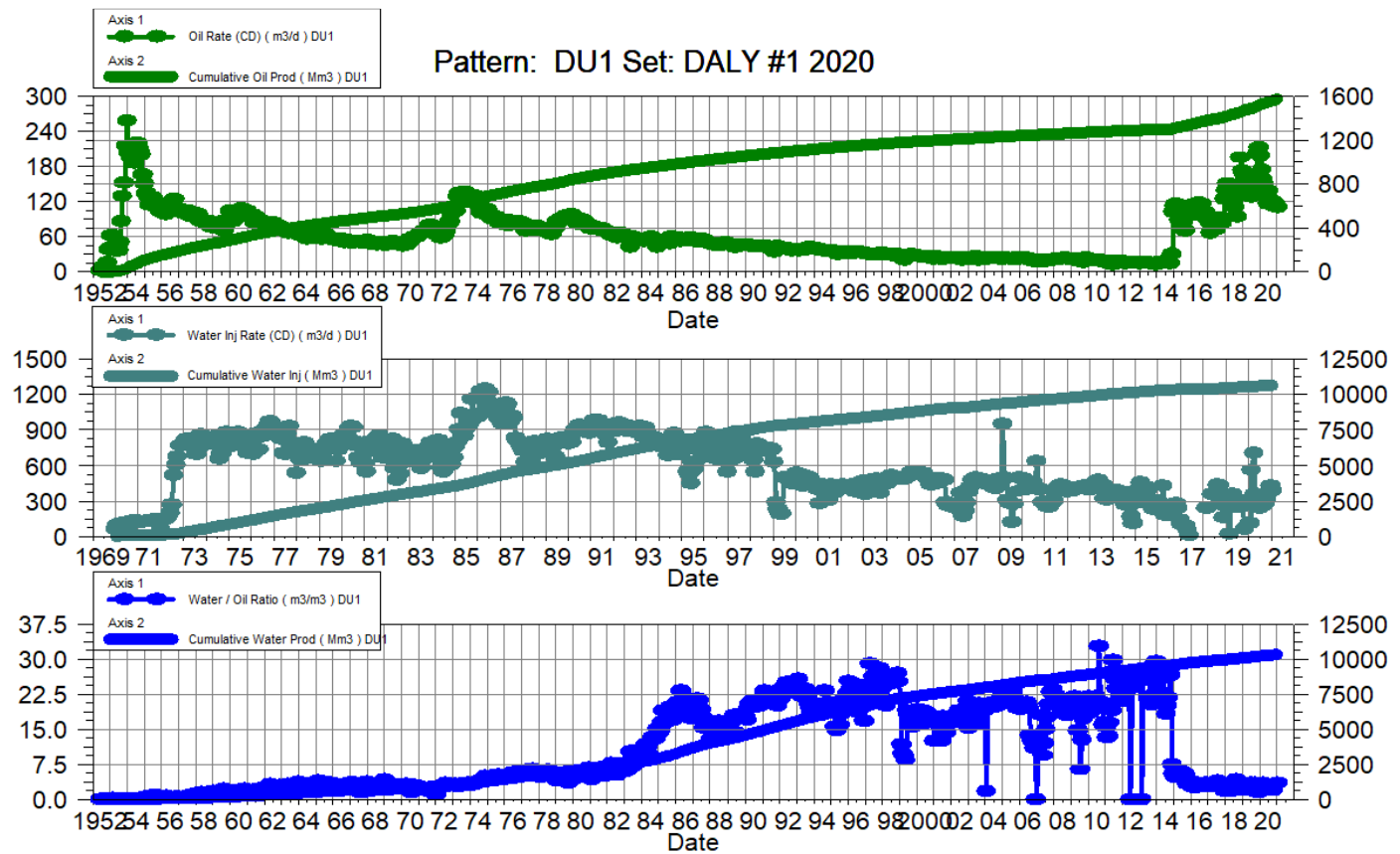


Waterflood Patterns and Corresponding Injectors

Pattern	Well(s)
P-01	102/15-05-010-28W1/00
P-02	102/13-04-010-28W1/00
P-03	102/12-04-010-28W1/02
P-04	103/12-04-010-28W1/00
P-05	102/08-05-010-28W1/00
P-06	102/05-04-010-28W1/00
P-07	102/05-10-010-28W1/00
P-08	102/04-10-010-28W1/00, 104/04-10-010-28W1/00
P-09	103/13-03-010-28W1/00, 102/13-03-010-28W1/00, 102/15-04-010-28W1/00
P-10	102/12-03-010-28W1/00, 104/12-03-010-28W1/00

Total for Daly Unit #1

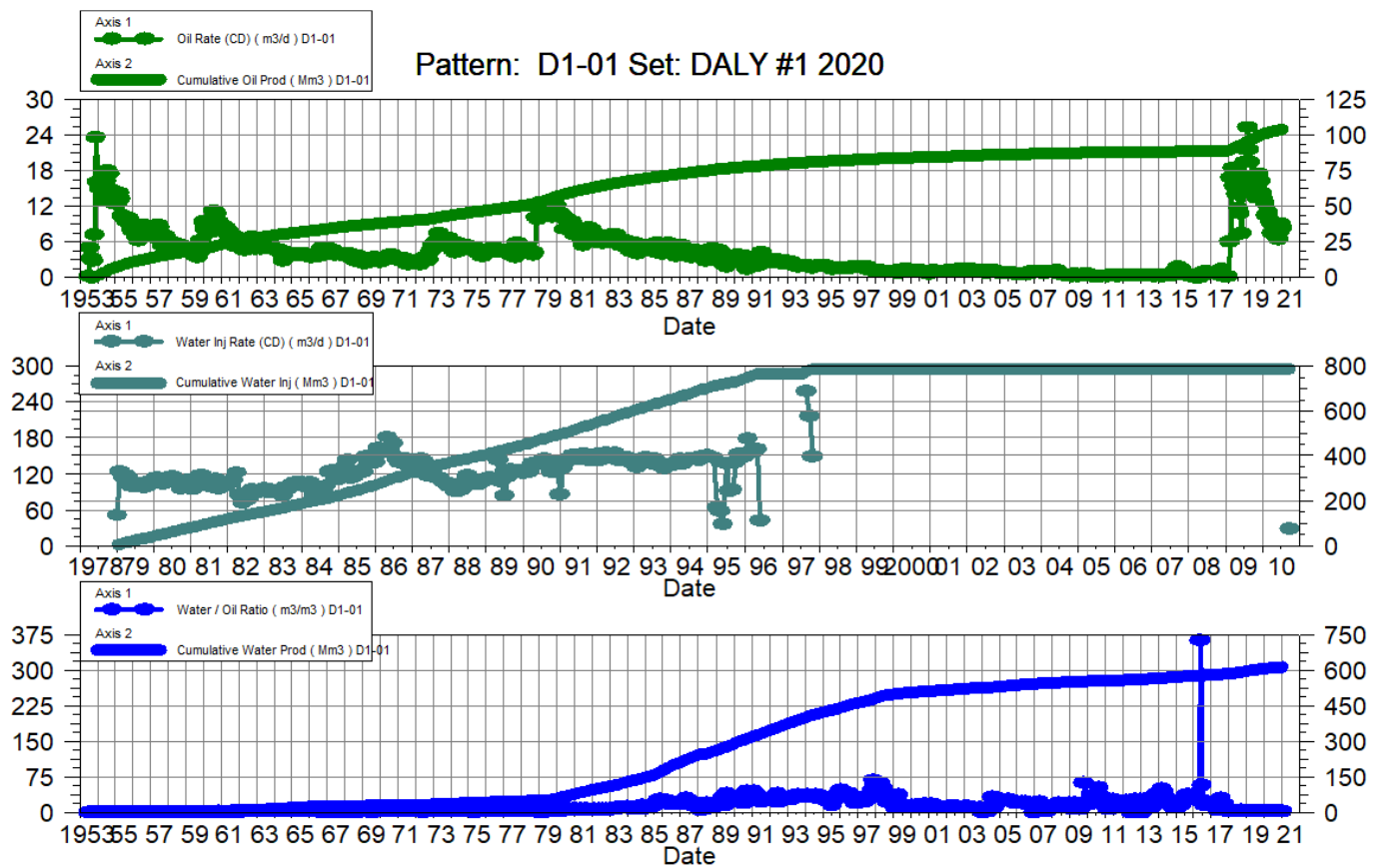
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPa
1-31-2020	197.93	1527.10	320.71	10191.04	106.85	10599.66	1.62	0.21	0.90	3,098.05
2-29-2020	174.38	1532.15	477.29	10204.88	559.51	10615.89	2.74	0.85	0.90	2,652.52
3-31-2020	158.06	1537.05	550.88	10221.96	703.06	10637.68	3.49	0.99	0.90	2,808.88
4-30-2020	149.86	1541.55	281.31	10230.40	360.11	10648.48	1.88	0.83	0.90	2,924.95
5-31-2020	138.19	1545.83	269.29	10238.74	323.87	10658.52	1.95	0.79	0.90	3,016.42
6-30-2020	116.66	1549.33	233.60	10245.75	232.53	10665.50	2.00	0.66	0.90	2,919.65
7-31-2020	138.85	1553.64	254.95	10253.66	254.51	10673.39	1.84	0.64	0.90	2,766.72
8-31-2020	125.09	1557.52	246.71	10261.30	250.65	10681.16	1.97	0.67	0.90	2,906.81
9-30-2020	119.56	1561.10	237.70	10268.43	271.08	10689.29	1.99	0.75	0.90	2,970.48
10-31-2020	120.36	1564.83	246.39	10276.07	309.18	10698.88	2.05	0.84	0.90	2,996.60
11-30-2020	113.09	1568.23	376.87	10287.38	368.54	10709.93	3.33	0.75	0.90	3,313.41
12-31-2020	116.41	1571.84	371.66	10298.90	423.13	10723.05	3.19	0.86	0.90	3,381.49



Daly Unit No. 1

Pattern P-01 - 02/15-05-010-28W1/0

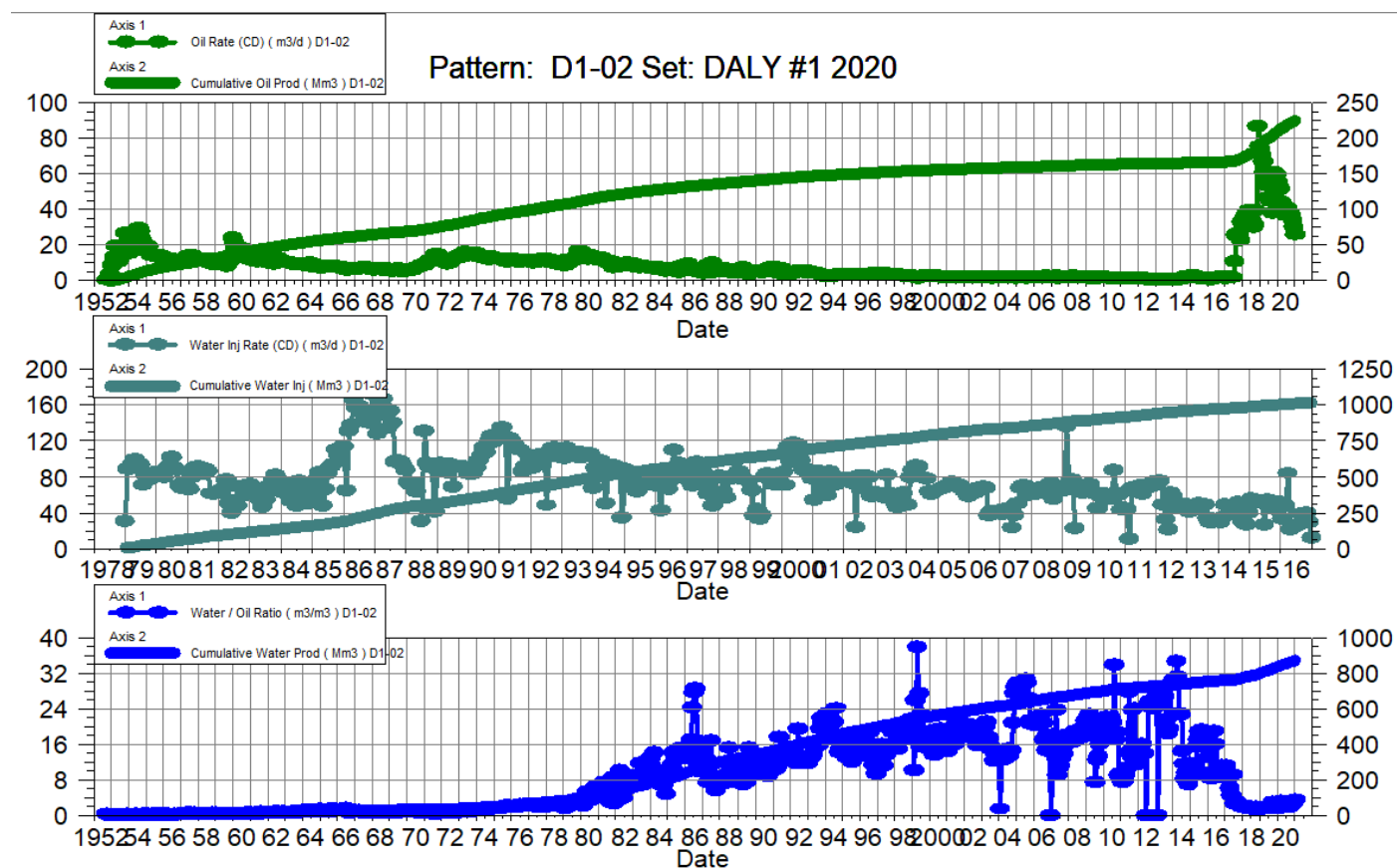
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg
1-31-2020	12.57	101.46	21.70	605.29		790.33	1.73		1.12	--
2-29-2020	10.37	101.76	29.17	606.13		790.33	2.81		1.11	--
3-31-2020	11.01	102.11	33.14	607.16		790.33	3.01		1.11	--
4-30-2020	9.80	102.40	17.10	607.67		790.33	1.75		1.11	--
5-31-2020	9.33	102.69	17.27	608.21		790.33	1.85		1.11	--
6-30-2020	7.53	102.92	14.34	608.64		790.33	1.90		1.11	--
7-31-2020	7.67	103.15	15.27	609.11		790.33	1.99		1.11	--
8-31-2020	7.26	103.38	13.77	609.54		790.33	1.90		1.11	--
9-30-2020	7.49	103.60	11.75	609.89		790.33	1.57		1.11	--
10-31-2020	6.39	103.80	13.46	610.31		790.33	2.11		1.10	--
11-30-2020	7.77	104.03	15.50	610.77		790.33	1.99		1.10	--
12-31-2020	9.08	104.32	13.04	611.18		790.33	1.44		1.10	--



Daly Unit No. 1

Pattern P-02 - 02/13-04-010-28W1/0

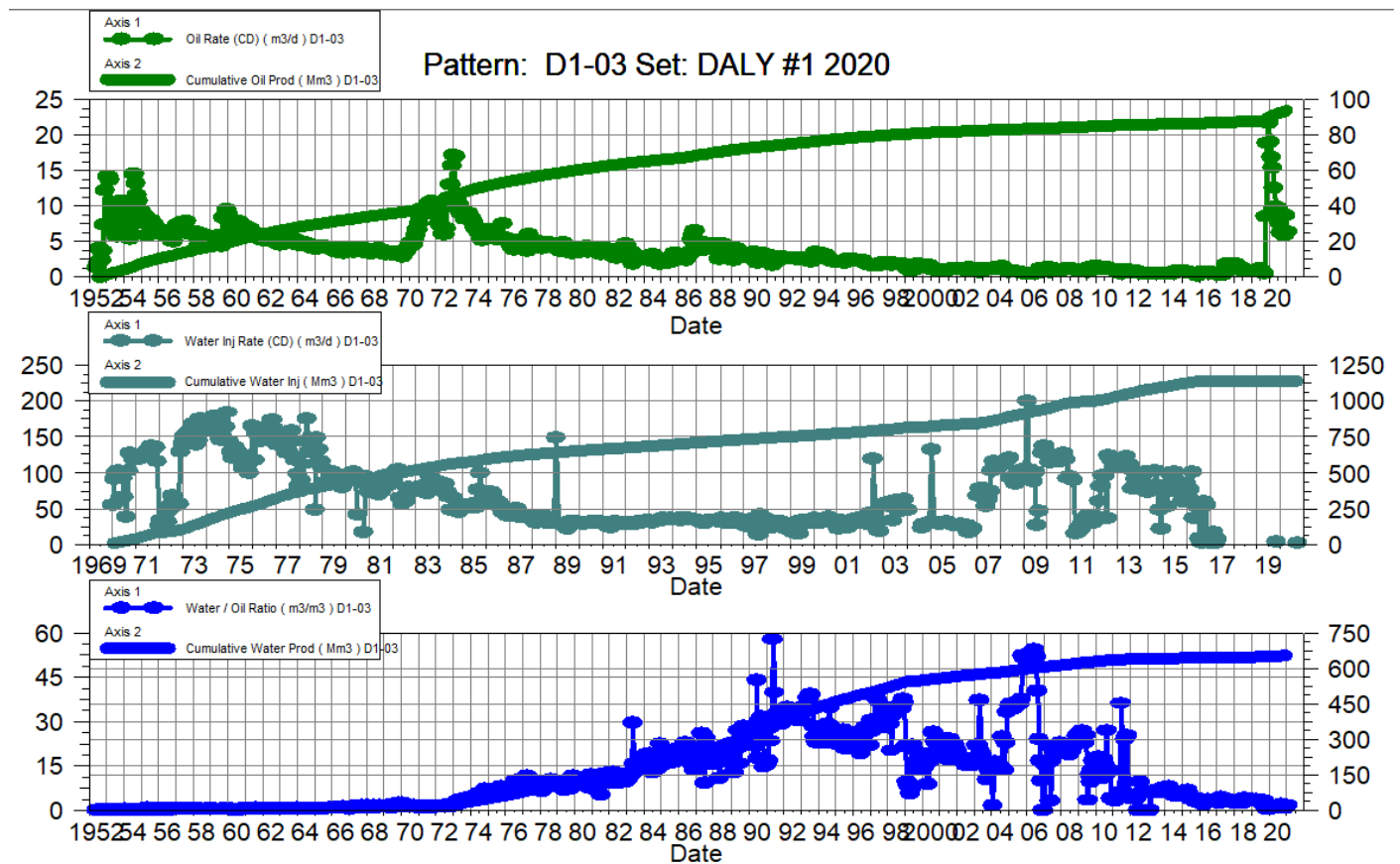
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg
1-31-2020	55.34	210.27	91.62	836.11		1021.82	1.66		0.97	200.00
2-29-2020	53.00	211.81	127.99	839.82		1021.82	2.41		0.97	200.00
3-31-2020	51.34	213.40	160.51	844.80		1021.82	3.13		0.96	200.00
4-30-2020	44.19	214.73	89.19	847.47		1021.82	2.02		0.96	200.00
5-31-2020	41.38	216.01	84.60	850.09		1021.82	2.04		0.96	200.00
6-30-2020	36.59	217.11	74.92	852.34		1021.82	2.05		0.95	200.00
7-31-2020	40.96	218.38	80.51	854.84		1021.82	1.97		0.95	200.00
8-31-2020	40.83	219.64	74.33	857.14		1021.82	1.82		0.95	200.00
9-30-2020	38.20	220.79	70.65	859.26		1021.82	1.85		0.94	200.00
10-31-2020	36.73	221.93	74.36	861.57		1021.82	2.02		0.94	200.00
11-30-2020	34.29	222.96	80.23	863.97		1021.82	2.34		0.94	200.00
12-31-2020	30.43	223.90	80.98	866.48		1021.82	2.66		0.93	200.00



Daly Unit No. 1

Pattern P-03 - 02/12-04-010-28W1/2

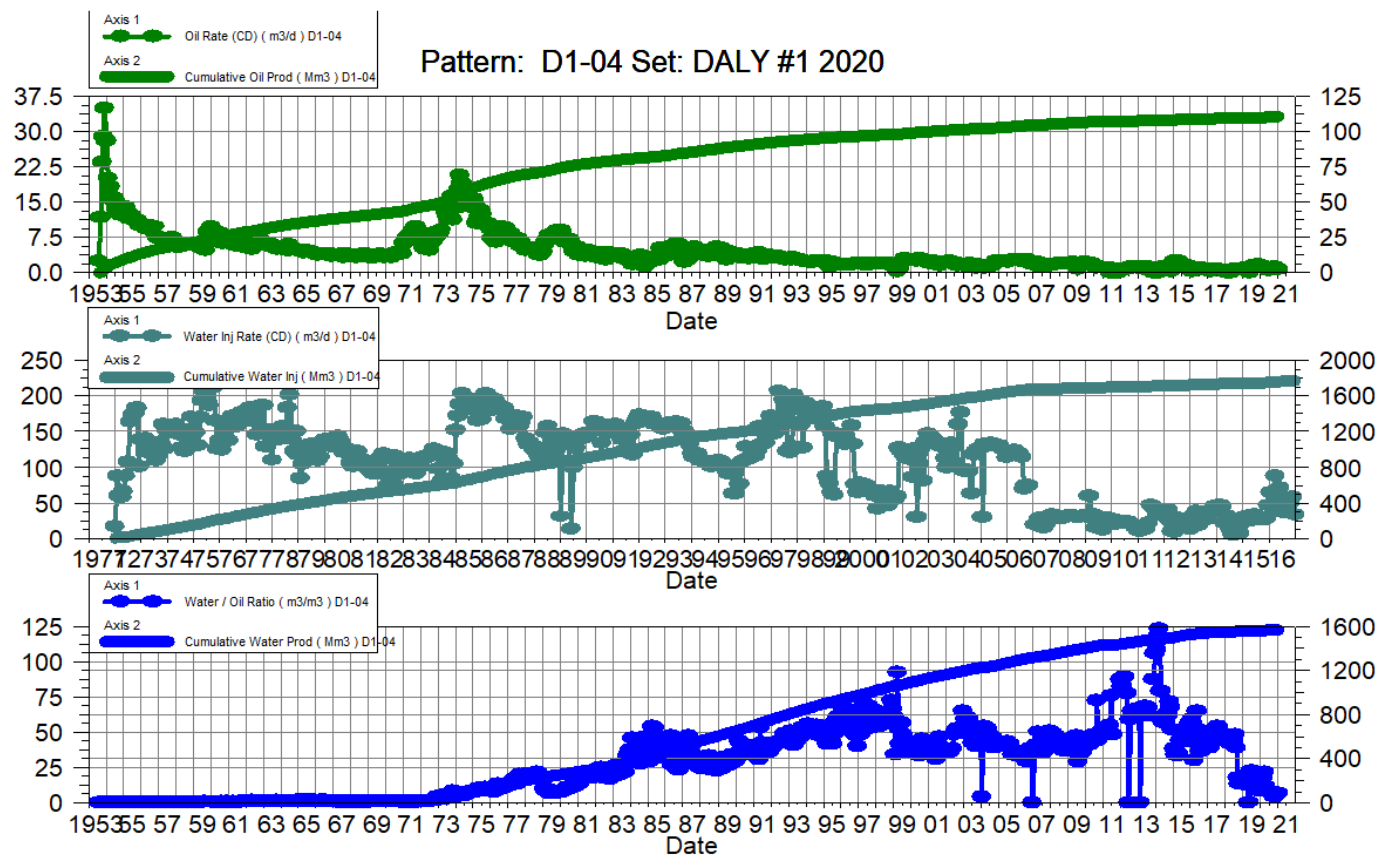
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg
1-31-2020	19.02	90.39	12.78	647.88		1148.23	0.67		1.55	62.05
2-29-2020	16.82	90.88	20.68	648.48		1148.23	1.23		1.55	62.05
3-31-2020	15.36	91.36	18.80	649.06		1148.23	1.22		1.55	62.05
4-30-2020	12.58	91.74	11.64	649.41		1148.23	0.92		1.55	62.05
5-31-2020	9.87	92.04	12.03	649.78		1148.23	1.22		1.54	62.05
6-30-2020	8.40	92.29	9.95	650.08		1148.23	1.18		1.54	62.05
7-31-2020	9.75	92.60	11.11	650.42		1148.23	1.14		1.54	62.05
8-31-2020	7.58	92.83	12.08	650.80		1148.23	1.59		1.54	62.05
9-30-2020	6.20	93.02	11.42	651.14	1.47	1148.27	1.84	0.08	1.54	62.05
10-31-2020	6.52	93.22	10.27	651.46		1148.27	1.57		1.54	62.05
11-30-2020	5.87	93.39	9.34	651.74		1148.27	1.59		1.54	62.05
12-31-2020	8.69	93.66	7.41	651.97		1148.27	0.85		1.54	62.05



Daly Unit No. 1

Pattern P-04 - 03/12-04-010-28W1/0

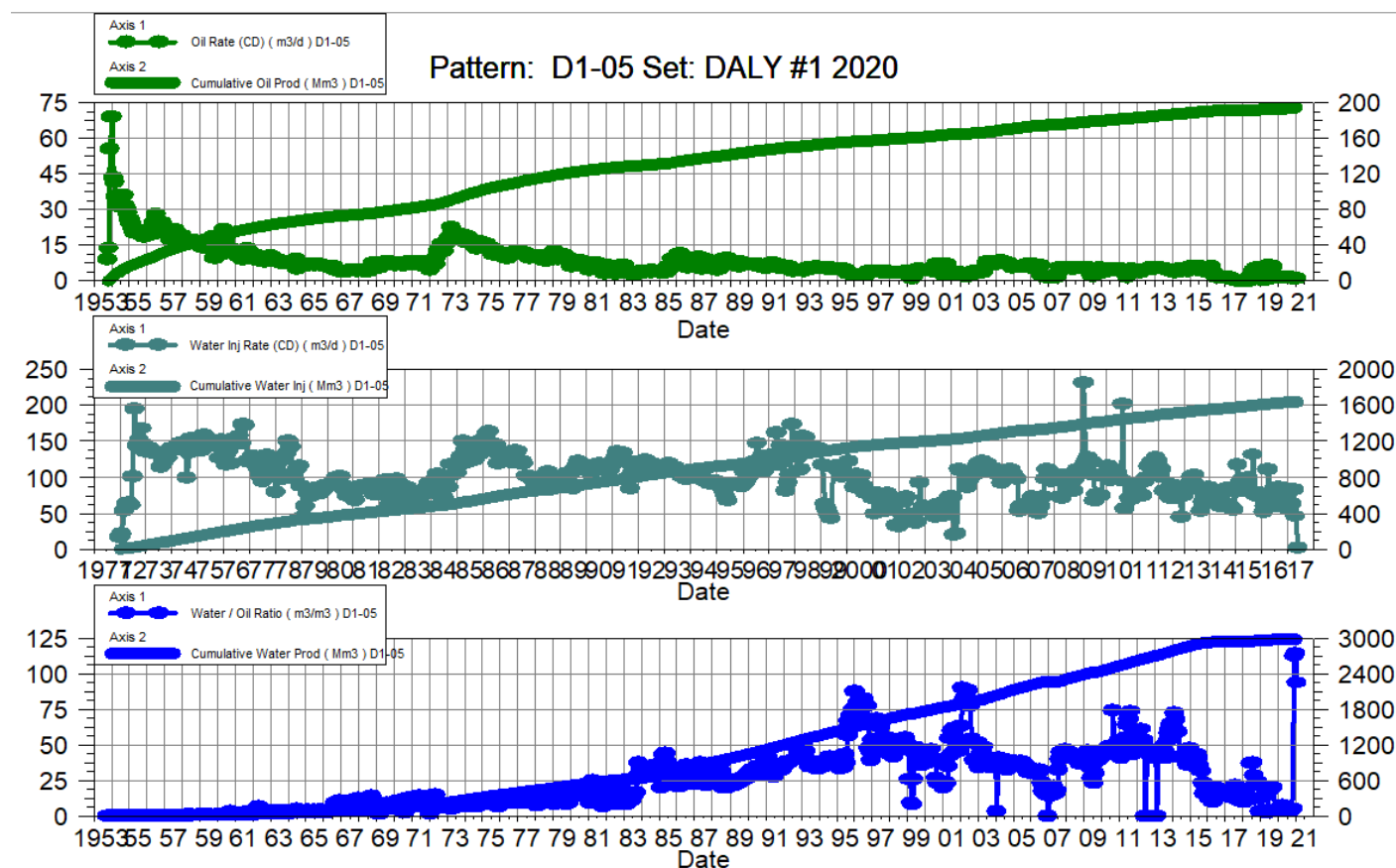
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg
1-31-2020	1.42	110.38	14.70	1557.85		1780.90	10.33		1.07	90.00
2-29-2020	1.29	110.42	21.96	1558.49		1780.90	17.05		1.07	90.00
3-31-2020	1.30	110.46	27.86	1559.35		1780.90	21.46		1.07	90.00
4-30-2020	1.35	110.50	15.55	1559.82		1780.90	11.51		1.07	90.00
5-31-2020	0.92	110.53	8.46	1560.08		1780.90	9.17		1.07	90.00
6-30-2020	0.63	110.55	4.79	1560.23		1780.90	7.58		1.07	90.00
7-31-2020	0.74	110.57	5.18	1560.39		1780.90	7.01		1.06	90.00
8-31-2020	0.73	110.59	5.01	1560.54		1780.90	6.88		1.06	90.00
9-30-2020	0.82	110.62	4.92	1560.69		1780.90	5.97		1.06	90.00
10-31-2020	1.28	110.66	4.83	1560.84		1780.90	3.76		1.06	90.00
11-30-2020	1.05	110.69	5.24	1561.00		1780.90	4.97		1.06	90.00
12-31-2020	0.73	110.71	5.04	1561.15		1780.90	6.89		1.06	90.00



Daly Unit No. 1

Pattern P-05 - 02/08-05-010-28W1/0

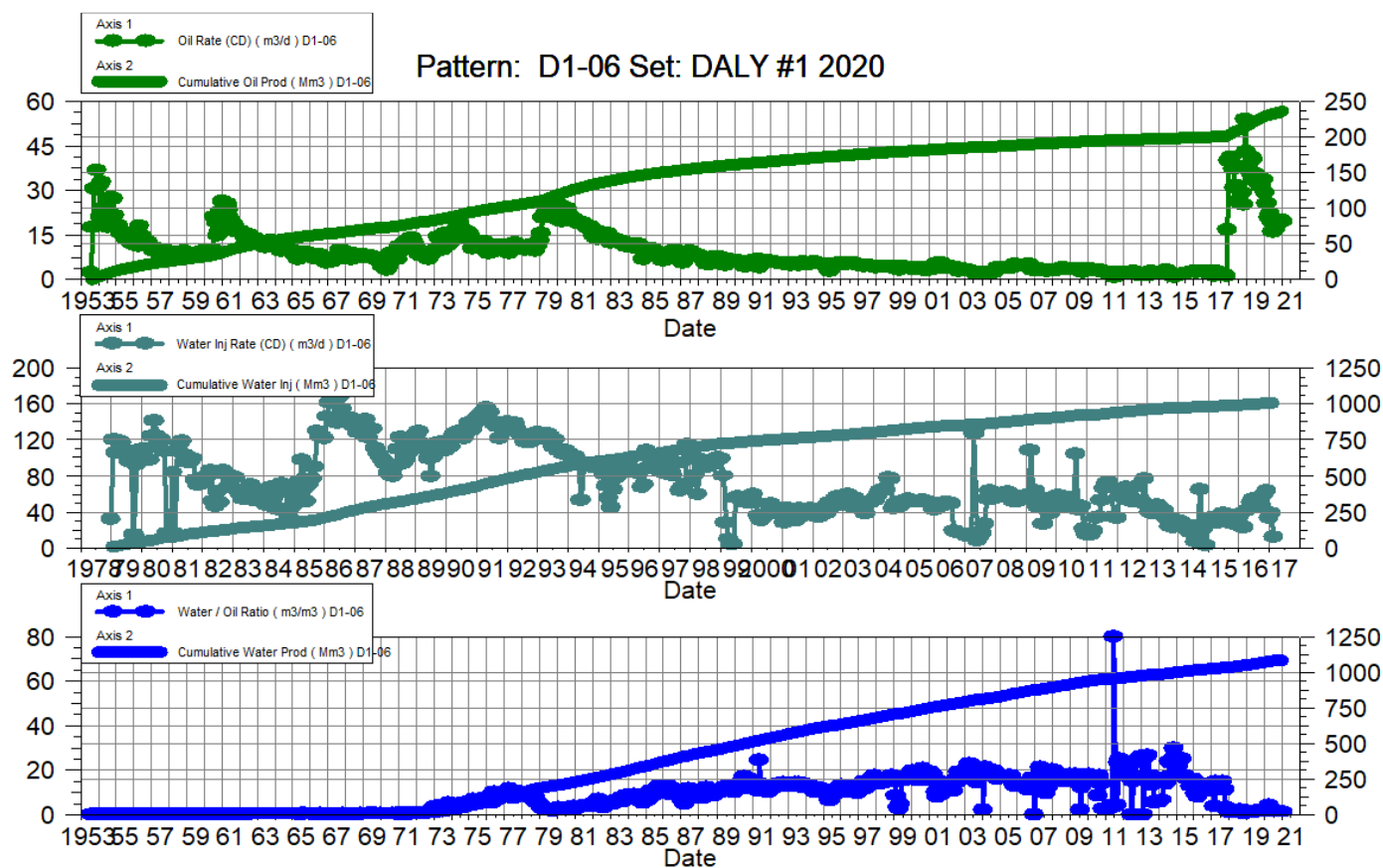
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg
1-31-2020	1.57	193.87	5.80	2970.01		1650.15	3.68		0.52	100.00
2-29-2020	1.54	193.91	9.10	2970.27		1650.15	5.91		0.52	100.00
3-31-2020	1.55	193.96	11.74	2970.64		1650.15	7.57		0.52	100.00
4-30-2020	1.60	194.01	6.24	2970.82		1650.15	3.91		0.52	100.00
5-31-2020	1.57	194.06	6.33	2971.02		1650.15	4.03		0.52	100.00
6-30-2020	1.38	194.10	5.48	2971.18		1650.15	3.96		0.52	100.00
7-31-2020	1.66	194.15	5.93	2971.37		1650.15	3.57		0.52	100.00
8-31-2020	1.58	194.20	5.77	2971.55		1650.15	3.65		0.52	100.00
9-30-2020	1.65	194.25	5.74	2971.72		1650.15	3.49		0.52	100.00
10-31-2020	1.35	194.29	6.39	2971.92		1650.15	4.72		0.52	100.00
11-30-2020	1.06	194.32	119.26	2975.49		1650.15	112.51		0.52	100.00
12-31-2020	1.02	194.35	116.34	2979.10		1650.15	113.77		0.52	100.00



Daly Unit No. 1

Pattern P-06 - 02/05-04-010-28W1/0

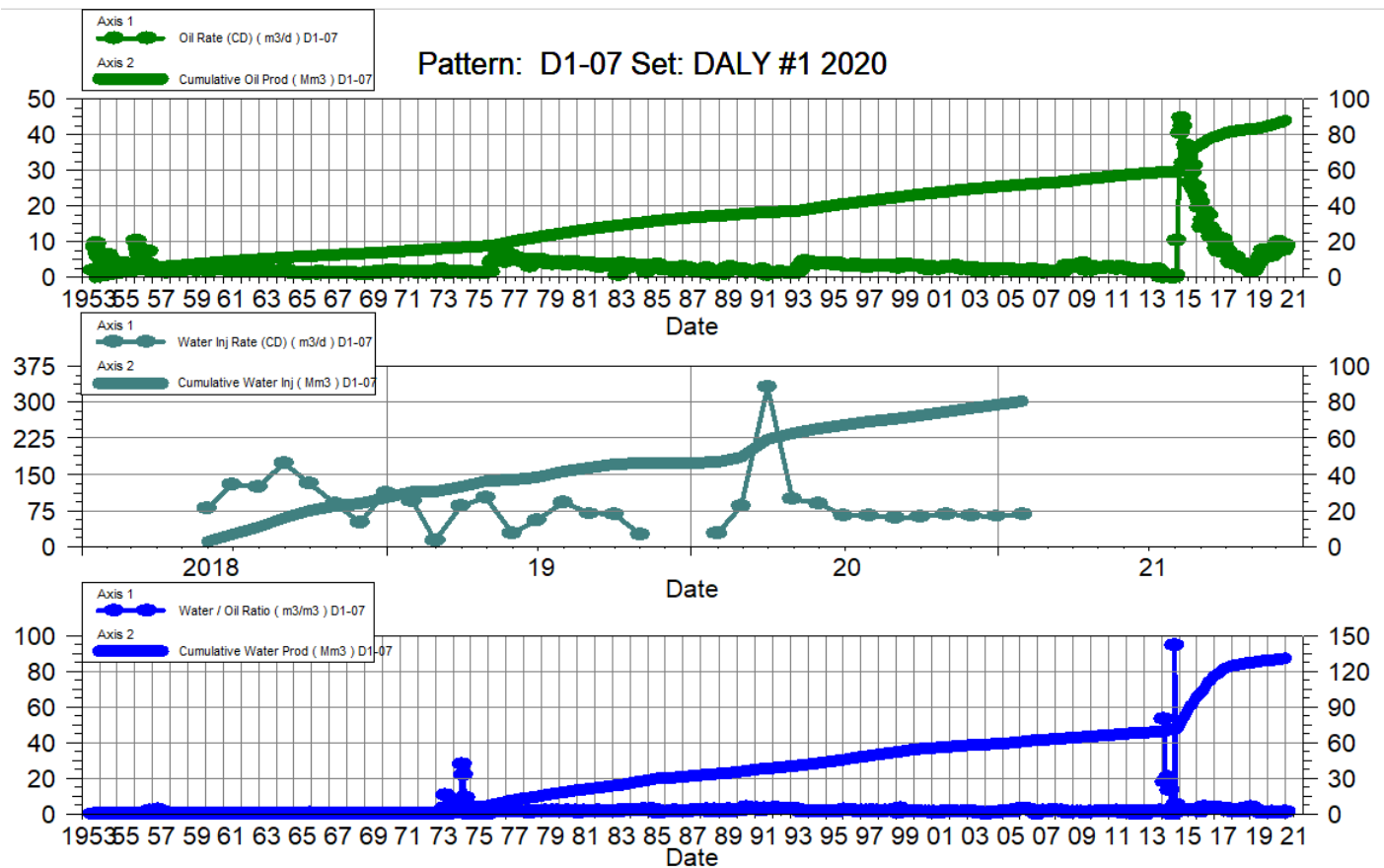
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg
1-31-2020	29.40	229.81	46.01	1069.04		1014.79	1.56		0.78	750.00
2-29-2020	25.67	230.56	69.87	1071.06		1014.79	2.72		0.78	750.00
3-31-2020	20.88	231.20	85.64	1073.72		1014.79	4.10		0.78	750.00
4-30-2020	22.28	231.87	44.53	1075.05		1014.79	2.00		0.77	750.00
5-31-2020	19.56	232.48	36.28	1076.18		1014.79	1.85		0.77	750.00
6-30-2020	16.24	232.97	27.11	1076.99		1014.79	1.67		0.77	750.00
7-31-2020	19.67	233.58	28.46	1077.87		1014.79	1.45		0.77	750.00
8-31-2020	17.18	234.11	25.08	1078.65		1014.79	1.46		0.77	750.00
9-30-2020	18.31	234.66	25.21	1079.41		1014.79	1.38		0.77	750.00
10-31-2020	18.97	235.25	27.28	1080.25		1014.79	1.44		0.77	750.00
11-30-2020	19.77	235.84	25.96	1081.03		1014.79	1.31		0.77	750.00
12-31-2020	20.03	236.46	25.05	1081.81		1014.79	1.25		0.77	750.00



Daly Unit No. 1

Pattern P-07 - 02/05-10-010-28W1/0

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg
1-31-2020	7.12	85.23	2.50	128.72	27.00	47.05	0.35	2.77	0.22	7,240.25
2-29-2020	6.16	85.41	4.30	128.84	83.98	49.49	0.70	7.94	0.23	7,645.95
3-31-2020	5.93	85.59	7.05	129.06	334.09	59.85	1.19	25.51	0.28	7,738.32
4-30-2020	7.17	85.80	4.91	129.21	97.95	62.78	0.68	8.02	0.29	7,814.20
5-31-2020	7.88	86.05	6.09	129.40	89.32	65.55	0.77	6.32	0.30	7,789.16
6-30-2020	7.08	86.26	4.90	129.54	63.83	67.47	0.69	5.27	0.31	7,437.93
7-31-2020	9.50	86.56	5.10	129.70	64.45	69.47	0.54	4.36	0.32	6,948.68
8-31-2020	10.19	86.87	4.31	129.83	58.47	71.28	0.42	3.98	0.33	7,443.32
9-30-2020	8.86	87.14	5.66	130.00	61.22	73.12	0.64	4.17	0.33	7,448.87
10-31-2020	8.43	87.40	6.51	130.21	65.78	75.15	0.77	4.36	0.34	7,348.29
11-30-2020	7.60	87.63	8.30	130.45	63.20	77.05	1.09	3.94	0.35	7,341.03
12-31-2020	8.30	87.88	8.16	130.71	62.49	78.99	0.98	3.76	0.36	7,262.05

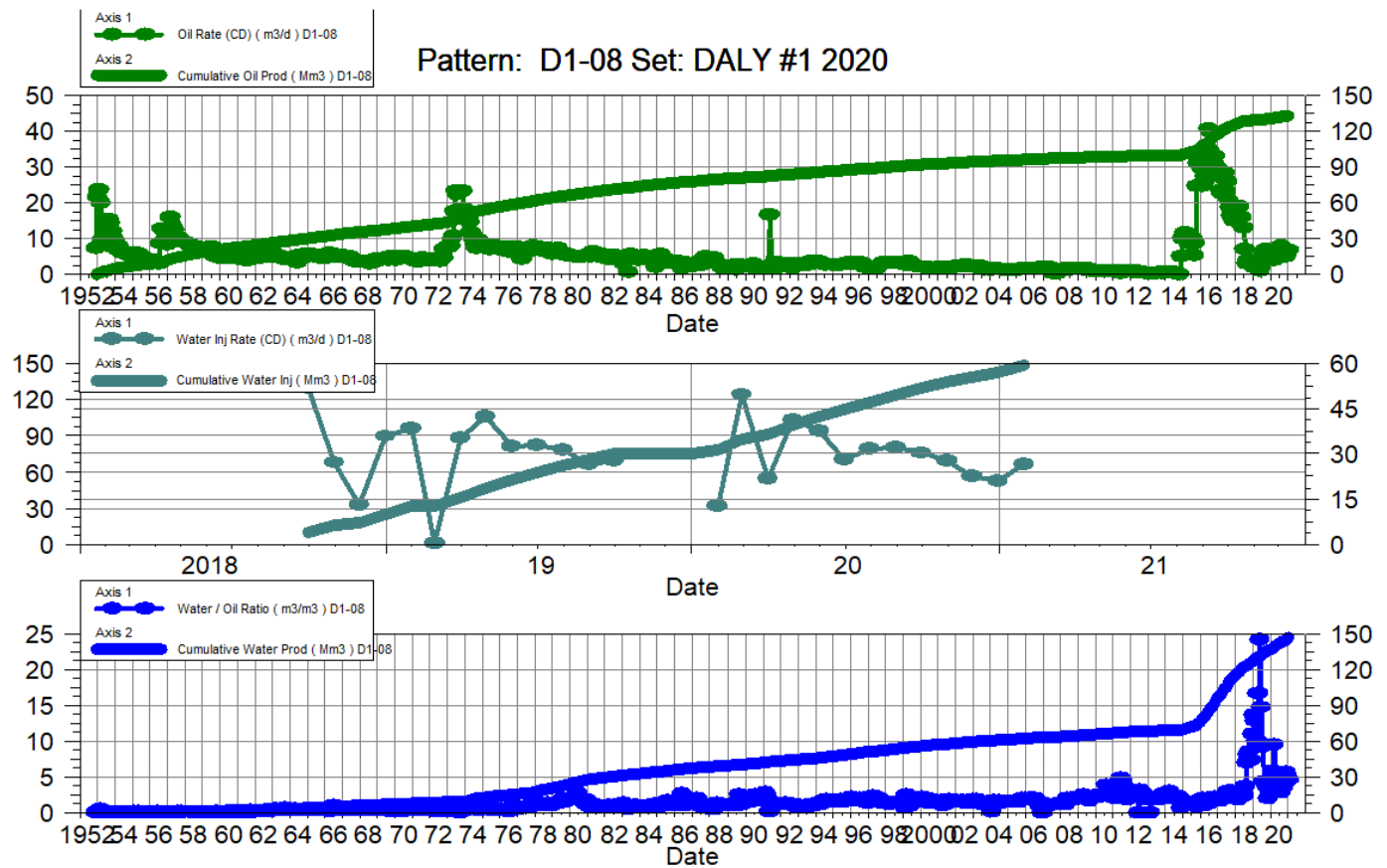


Daly Unit No. 1

Pattern P-08 - 02/04-10-010-28W1/0 &

04/04-10-010-28W1/0

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg	Water Inj Pressure kPg
1-31-2020	5.96	131.34	19.76	137.03	31.33	31.32	3.32	1.21	0.12	7,089.77	-
2-29-2020	5.09	131.48	29.97	137.90	124.90	34.94	5.89	3.55	0.13	7,482.31	-
3-31-2020	4.15	131.61	39.57	139.13	54.20	36.62	9.54	1.24	0.13	6,982.23	-
4-30-2020	5.01	131.76	22.47	139.80	103.75	39.73	4.48	3.76	0.15	7,617.47	-
5-31-2020	5.70	131.94	25.04	140.58	94.72	42.67	4.39	3.07	0.16	7,570.48	-
6-30-2020	5.20	132.10	21.77	141.23	70.79	44.79	4.19	2.62	0.16	7,230.07	-
7-31-2020	7.29	132.32	23.82	141.97	79.27	47.25	3.27	2.54	0.17	6,890.81	-
8-31-2020	8.06	132.57	22.60	142.67	80.13	49.73	2.80	2.60	0.18	7,335.10	-
9-30-2020	6.61	132.77	23.25	143.37	76.02	52.01	3.52	2.54	0.19	7,372.00	-
10-31-2020	6.27	132.96	25.02	144.15	69.26	54.16	3.99	2.21	0.19	7,239.03	3,867.94
11-30-2020	5.07	133.12	29.04	145.02	56.74	55.86	5.73	1.66	0.20	7,328.47	6,625.43
12-31-2020	5.81	133.30	29.73	145.94	52.95	57.50	5.12	1.49	0.20	7,233.76	7,322.42

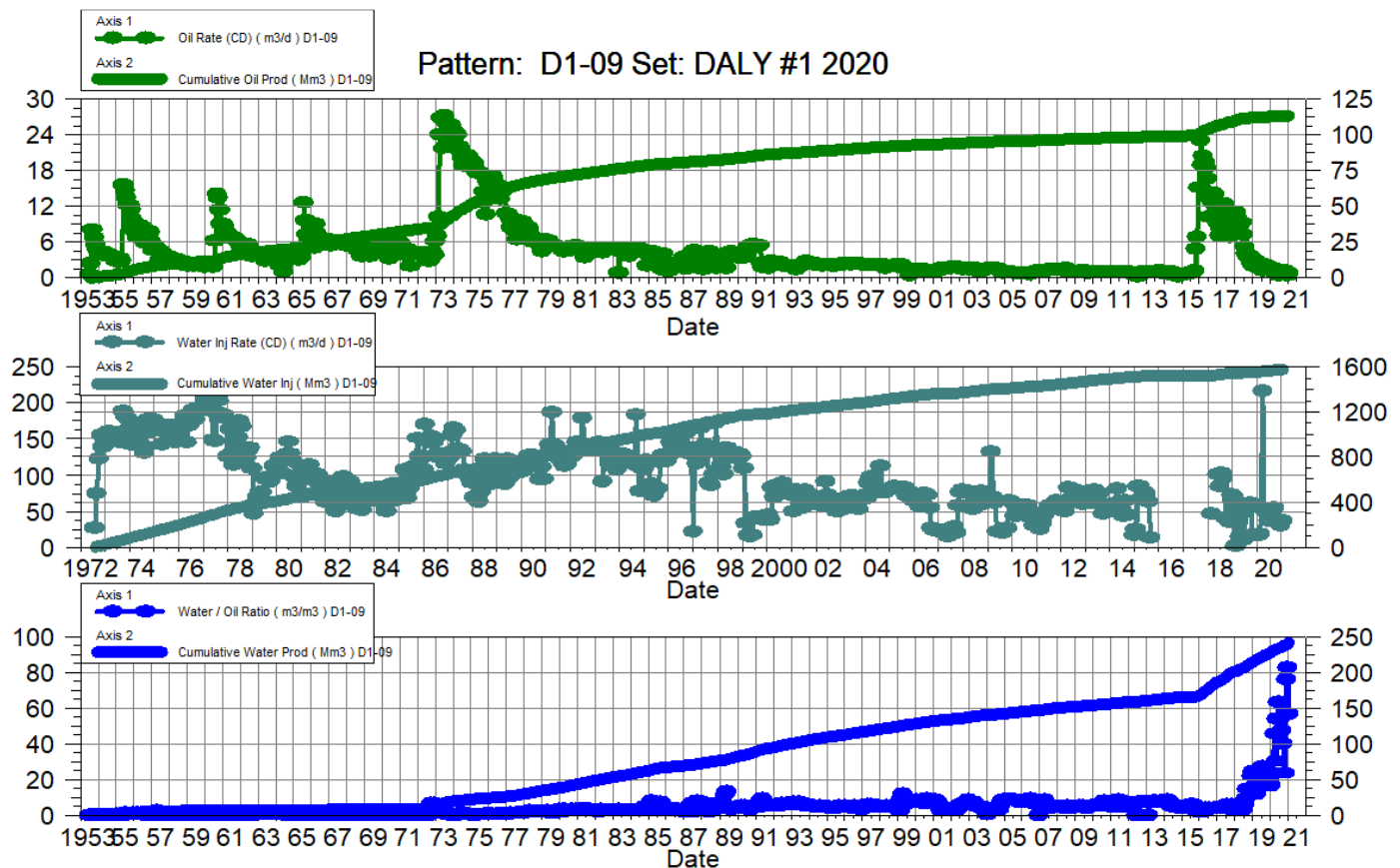


Daly Unit No. 1

Pattern P-09 - 03/13-03-010-28W1/0 &

02/13-03-010-28W1/0 & 02/15-04-010-28W1/0

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg	Water Inj Pressure kPg	Water Inj Pressure kPg
1-31-2020	1.60	113.08	26.18	227.77	15.98	1562.73	16.41	0.58	4.56	7,501.49	500.00	10.00
2-29-2020	1.66	113.13	39.08	228.91	17.49	1563.23	23.58	0.43	4.54	3,880.10	500.00	10.00
3-31-2020	1.13	113.17	51.37	230.50	216.73	1569.95	45.57	4.13	4.54	6,421.48	500.00	10.00
4-30-2020	0.98	113.20	29.68	231.39	50.57	1571.47	30.18	1.65	4.53	7,740.67	500.00	10.00
5-31-2020	0.59	113.21	31.87	232.38	48.40	1572.97	54.13	1.49	4.52	7,691.29	500.00	10.00
6-30-2020	0.46	113.23	29.09	233.25	35.99	1574.05	63.01	1.22	4.52	7,350.00	500.00	10.00
7-31-2020	0.60	113.25	32.44	234.26	37.05	1575.20	53.64	1.12	4.51	6,990.61	500.00	10.00
8-31-2020	0.66	113.27	31.27	235.23	40.60	1576.46	47.05	1.27	4.50	7,447.65	500.00	10.00
9-30-2020	0.76	113.29	30.15	236.13	54.01	1578.08	39.76	1.75	4.49	7,516.80	500.00	10.00
10-31-2020	1.33	113.33	31.39	237.10	37.42	1579.24	23.59	1.14	4.48	7,379.26	500.00	10.00
11-30-2020	0.46	113.34	35.09	238.16	37.97	1580.38	75.73	1.07	4.47	7,452.47	500.00	10.00
12-31-2020	0.46	113.36	38.24	239.34	29.82	1581.30	82.60	0.77	4.46	6,734.12	500.00	10.00



Daly Unit No. 1

Pattern P-10 - 02/12-03-010-28W1/0 &

04/12-03-010-28W1/0

Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacement Ratio	Water Inj Pressure kPg	Water Inj Pressure kPg
1-31-2020	5.09	74.20	13.70	58.22	32.54	55.20	2.69	1.72	0.41	7,200.97	-
2-29-2020	4.76	74.34	21.38	58.84	333.13	64.86	4.49	12.70	0.48	6,560.28	-
3-31-2020	4.35	74.47	26.91	59.68	98.04	67.90	6.19	3.13	0.50	6,379.48	-
4-30-2020	5.37	74.63	14.79	60.12	107.85	71.14	2.75	5.32	0.52	6,612.80	-
5-31-2020	5.65	74.81	15.57	60.60	91.43	73.97	2.76	4.29	0.54	7,753.39	-
6-30-2020	3.18	74.90	19.44	61.19	61.93	75.83	6.12	2.73	0.55	7,269.93	-
7-31-2020	3.66	75.02	22.50	61.88	73.74	78.11	6.15	2.81	0.57	6,475.81	-
8-31-2020	3.73	75.13	21.71	62.56	71.45	80.33	5.82	2.80	0.58	6,788.06	-
9-30-2020	5.68	75.30	20.80	63.18	64.86	82.28	3.66	2.44	0.59	7,403.67	-
10-31-2020	7.09	75.52	21.40	63.84	66.10	84.32	3.02	2.31	0.60	7,411.39	3,978.52
11-30-2020	6.34	75.71	24.22	64.57	56.82	86.03	3.82	1.85	0.61	7,436.17	6,796.30
12-31-2020	5.93	75.90	26.89	65.40	56.72	87.79	4.54	1.72	0.62	7,376.11	7,980.45

