

Virden Roselea Unit #1
2017 Annual EOR Report

Executive Summary

In 2017 oil production in the Virden Roselea Unit #1 (VRU #1) was 55.8 m³/d (351 bbl/d) totaling 20.1 e³m³ (126.7 mmbbl). Annual production declined by 7.7% from 2016 to 2017. By the end of 2017 cumulative oil production from the VRU #1 was 3,036 e³m³ (19.1 mmbbl). The original forecasted recovery was 845 e³m³ (5.3 mmbbl) on primary recovery and 2 300 e³m³ (14.4 mmbbl) total primary plus secondary recovery.

In December 2017 there were 55 producing oil wells and 14 water injectors active in the unit. In 2014, three horizontal Scallion wells were drilled in the unit and three horizontal Virden wells were also drilled. In 2015, only one well was drilled in the Virden formation. In 2016, two wells were drilled in the Virden formation and some existing Scallion horizontals were perforated in the Oolites. In 2017, three dual leg horizontal wells were drilled within the unit.

Discussion

The VRU #1 has been under waterflood since 1965, 11 years after initial production in 1954. Water injection increased the oil production rate from $\sim 125 \text{ m}^3/\text{d}$ (786 bbl/d) just prior to injection to $\sim 250 \text{ m}^3/\text{d}$ ($\sim 1,570 \text{ bbl/d}$), equivalent to peak production from the field. Expected ultimate oil recovery was increased by 2.5 – 3 times due to the waterflood. Due to this there are areas in the unit that have a higher recovery than what is seen in the other Roselea units, and overall, the unit has a higher recovery.

Horizontal drilling has offset the production decline over the last decade. In 2014, an additional three Scallion horizontals and three Virden horizontals were drilled in this unit with variable results. In 2015, one Virden horizontal was drilled and in 2016 another two Virden wells were drilled. In 2017, three dual leg horizontal wells were drilled.

In this unit it appears as if there may be a preferential orientation for fluid flow, as in large portions of the unit the wells offsetting injectors in the E-W direction were generally more successful than the adjacent producers to the North and South. The majority of the horizontals are aligned in an E-W orientation and the unit outline may support implementing an E-W line drive; technical work has yet to be conducted. The water injection rate was $1,455 \text{ m}^3/\text{d}$ (9,151 bbl/d) in 2017 and the producing WOR was $25 \text{ m}^3/\text{m}^3$. The injected water at VRU #1 is not filtered or treated in any way.

Significant events in 2017 are as follows:

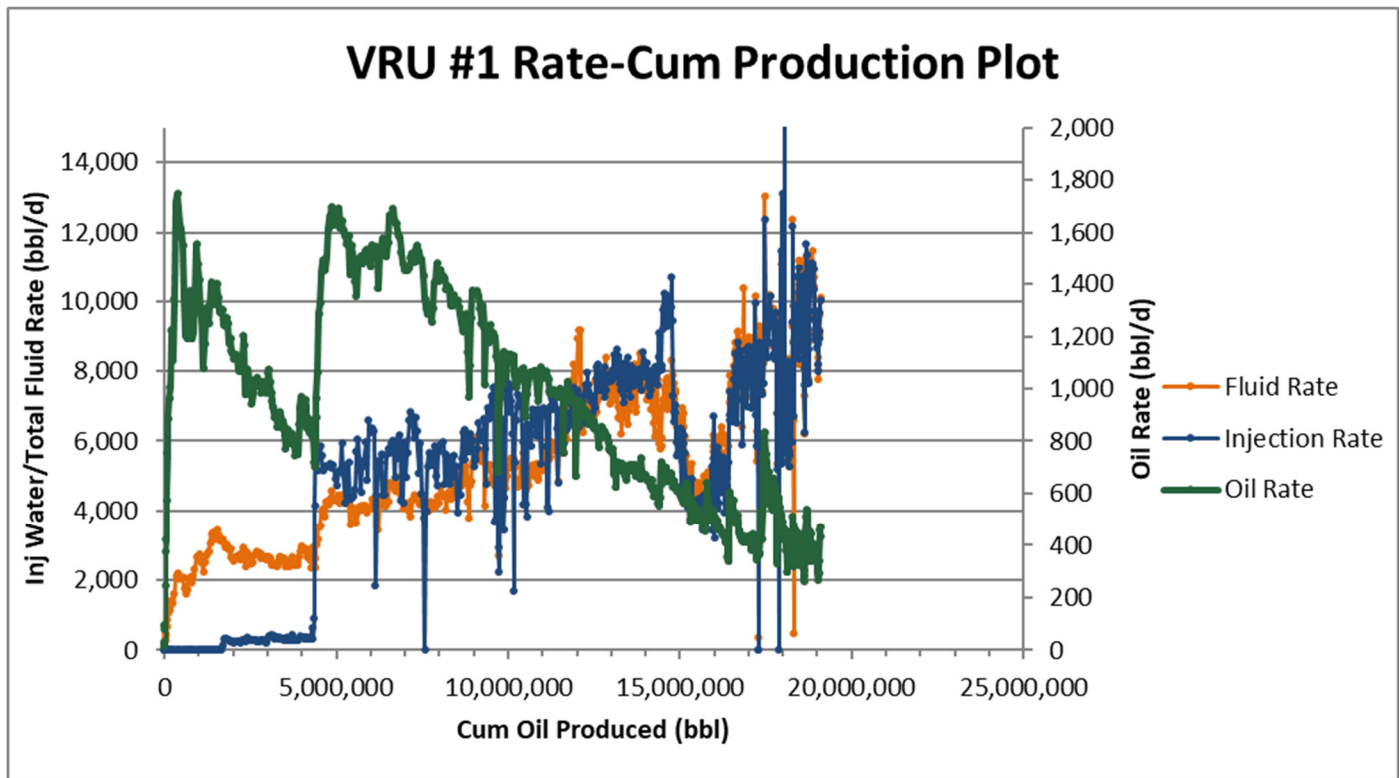
- February 2017, abandon the 100/01-25-010-26W1/00 vertical well.
- June 2017, abandon the 100/06-25-010-26W1/00 vertical well.
- June 2017, perform a turnaround at the facility.
- July 2017, suspend the 100/12-25-010-26W1/00 vertical well.
- July 2017, drill the dual leg 102/14-23-010-26W1/00 well, one leg in the Scallion and one leg in the Sandhill/Oolites formation.
- August 2017, drill the dual leg 102/01-36-010-26W1/00 in the Scallion formation.
- October 2017, perform an injectivity test on 100/09-26-010-26W1/00 then convert well to injection.
- November 2017, drill the dual leg 103/01-36-010-26W1/00 well, one leg in the Scallion and one leg in the Sandhill/Oolites formation.

It is important to note that publicly available production data does not include contribution from the newly drilled wells. Volumes quoted, and unit graphs presented above are based on public production data augmented with proprietary data, and consequently should accurately reflect all wells. The pattern data within the tables below is based solely on publicly available production data and therefore missing some production volumes. These tables will be updated in subsequent progress reports.

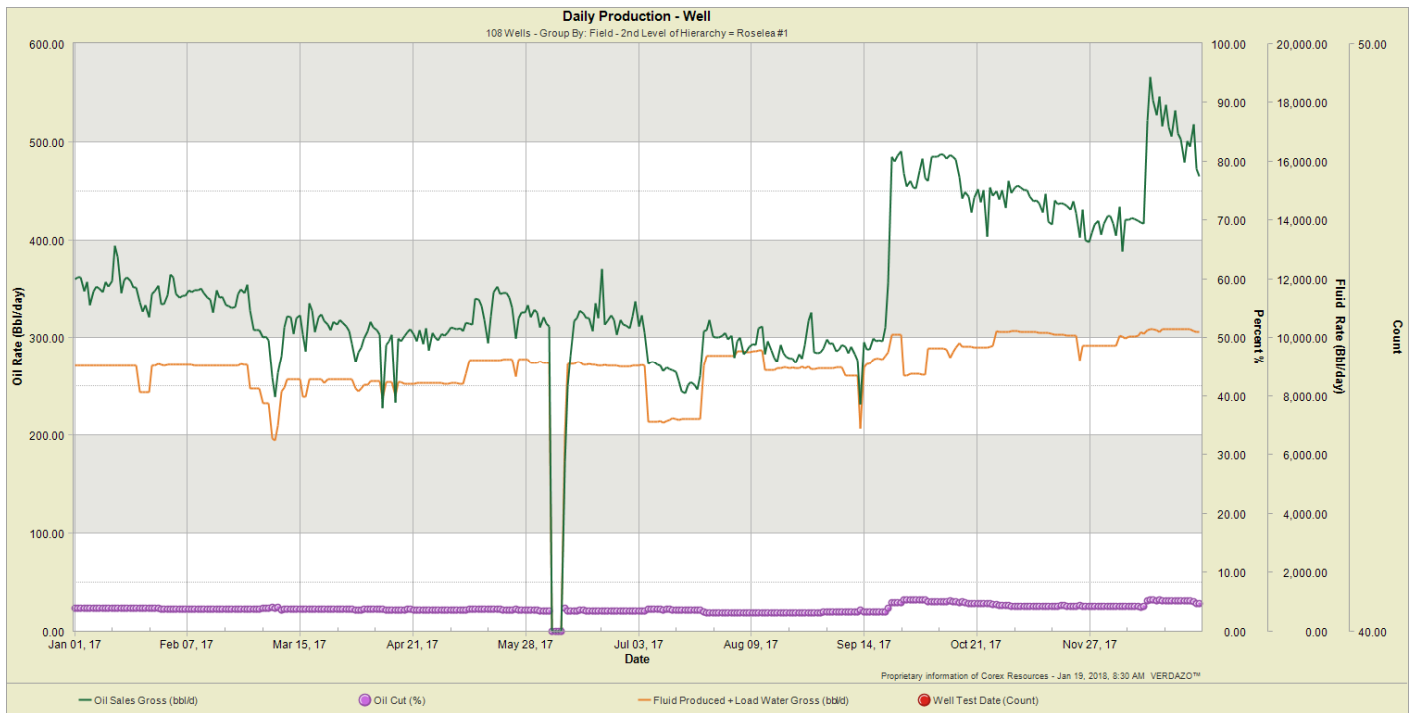
In the composite rate – cumulative oil plot below, waterflood response is clearly demonstrated at a cumulative oil production of $650 \text{ e}^3\text{m}^3$ (4 MMbbl).

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

VRU #1 – Rate vs Cumulative Oil Production



VRU #1 – Rate vs Time



2017 Reservoir Pressure Surveys

Unit	UWI	License	Test Type	Date of Pressure	Duration of SI	Datum BHP
VRU #1	102/08-20-010-25W1/00	7657	FL Shot	2017-07-28	-	8,764
VRU #1	100/06-21-010-25W1/00	1812	FL Shot	2017-07-28	-	8,830
VRU #1	100/07-21-010-25W1/00	1819	FL Shot	2017-07-28	-	8,893
VRU #1	100/10-21-010-25W1/00	1791	FL Shot	2017-07-28	-	8,614
VRU #1	1C0/10-21-010-25W1/00	4473	FL Shot	2017-07-28	-	8,410
VRU #1	1A0/11-21-010-25W1/00	4474	FL Shot	2017-07-28	-	8,077
VRU #1	100/14-21-010-25W1/00	2029	FL Shot	2017-06-12	-	6,162
VRU #1	100/03-28-010-25W1/00	2131	FL Shot	2017-07-28	-	8,640
VRU #1	103/03-28-010-25W1/00	4468	FL Shot	2017-07-28	-	8,580
VRU #1	102/03-28-010-25W1/00	4467	FL Shot	2017-07-28	-	8,623
VRU #1	100/02-29-010-25W1/00	1418	FL Shot	2017-06-12	-	5,321
VRU #1	1B0/07-30-010-25W1/00	4275	FL Shot	2017-06-12	-	6,081
VRU #1	100/12-30-010-25W1/00	643	FL Shot	2017-06-12	-	6,206
VRU #1	100/09-23-010-26W1/00	567	FL Shot	2017-06-12	-	5,276
VRU #1	100/13-23-010-26W1/00	470	FL Shot	2017-06-12	-	5,530
VRU #1	102/14-23-010-26W1/00	10691	BH BU	2017-07-28	14	5,056
VRU #1	100/16-23-010-26W1/00	358	FL Shot	2017-06-12	-	6,076
VRU #1	100/01-26-010-26W1/00	407	FL Shot	2017-06-12	-	7,072
VRU #1	100/08-26-010-26W1/00	774	FL Shot	2017-06-12	-	5,700
VRU #1	100/10-26-010-26W1/00	755	FL Shot	2017-06-12	-	5,790
VRU #1	102/01-36-010-26W1/00	10715	BH BU	2017-08-24	3	7,040
VRU #1	103/01-36-010-26W1/00	10781	BH BU	2017-12-02	7	5,305

In 2017, twenty-two pressures were taken in the unit, giving an average reservoir pressure of 7,000 kPa, with the shut-in duration in days. This is similar to previous years, where, in 2014, there were nine reservoir pressures recorded averaging 7,200 kPa. As with most of the Virden units there is a large range in pressure. The initial reservoir pressure is estimated at 6,340 kPa and the bubble point pressure as 1,273 kPa. Many of the pressures recorded in 2017 seem to be reasonable and were taken on wells that had been shut in for a long period of time, and so are assumed to be stable. Only three pressures were recorded on newly drilled wells.

The voidage replacement ratio (VRR) in 2017 was maintained close to 1.00. The cumulative VRR at the end of 2016 was 0.96. An oil formation volume factor of 1.06

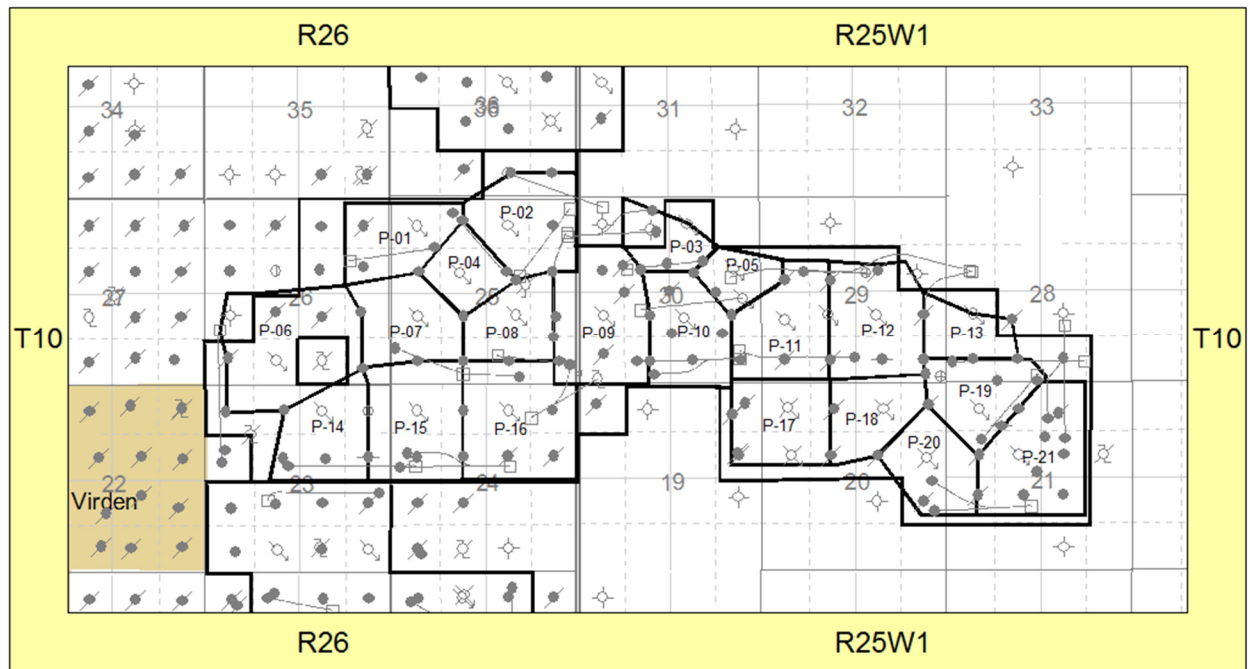
rm^3/sm^3 and a water formation volume factor of $1.04 \text{ rm}^3/\text{sm}^3$ were used in the VRR calculations.

The higher than initial reservoir pressure is inconsistent with the cumulative VRR of 0.96. The pressure inconsistency may be due to the partial pressure support for the field from an aquifer on the west side of the unit. This water influx from the aquifer is not accounted for in the VRR calculation.

2017 Well Servicing

UWI	Unit	Licence	Operation	Date	Objective
TURNAROUND	VRU#1	T17VIR001	Turnaround	2017-06-12	
103/01-36-010-26W1/00	VRU#1	10781	Equip & Tie-In	2017-08-10	
103/01-36-010-26W1/00	VRU#1	10781	Construction	2017-08-24	
103/01-36-010-26W1/00	VRU#1	10781	Drilling - original	2017-11-21	
103/01-36-010-26W1/00	VRU#1	10781	Initial Completion	2017-12-01	SCALLION COMPLETION
102/13-24-010-26W1/00	VRU#1	10122	Pump Repair	2017-09-14	
102/05-30-010-25W1/00	VRU#1	10748	Equip & Tie-In	2017-03-29	
102/05-30-010-25W1/00	VRU#1	10748	Construction	2017-03-29	
FLOWLINES	VRU#1	P18VIR002	Pipeline / Flowline Replacement	2017-10-20	
LEAK DETECTION SYSTEM	VRU#1	P17VIR015	Leak Detection Install	2017-08-01	
100/08-30-010-25W1/00	VRU#1	001053	Inhibitor Squeeze	2017-07-11	
100/12-23-010-26W1/00	VRU#1	000489	Pump Repair	2017-09-21	
100/09-26-010-26W1/00	VRU#1	000744	Injection Conversion	2017-10-10	
LEAK DETECTION INSTALL	VRU#1	P17VIR003	Leak Detection Install	2017-07-17	
100/01-25-010-26W1/00	VRU#1	000655	Abandon Well	2017-02-09	
102/01-36-010-26W1/00	VRU#1	10715	Construction	2017-04-28	
102/01-36-010-26W1/00	VRU#1	10715	Equip & Tie-In	2017-05-04	
102/01-36-010-26W1/00	VRU#1	10715	Drilling - original	2017-08-15	
102/01-36-010-26W1/00	VRU#1	10715	Initial Completion	2017-08-23	SCALLION COMPLETION
IN LINE INSPECTION	VRU#1	RM17VIR004	In Line Inspection	2017-06-19	
100/12-25-010-26W1/00	VRU#1	000696	Suspension	2017-07-12	
100/06-25-010-26W1/00	VRU#1	000510	Abandon Well	2017-06-19	
102/14-23-010-26W1/00	VRU#1	10691	Construction	2017-03-29	
102/14-23-010-26W1/00	VRU#1	10691	Equip & Tie-In	2017-04-06	
102/14-23-010-26W1/00	VRU#1	10691	Drilling - original	2017-07-13	
102/14-23-010-26W1/00	VRU#1	10691	Initial Completion	2017-07-27	SCALLION COMPLETION
PRELIMINARY ENGINEERING	VRU#1	P17VIR018	Preliminary Engineering	2017-10-26	

VRU #1 Waterflood Pattern Map

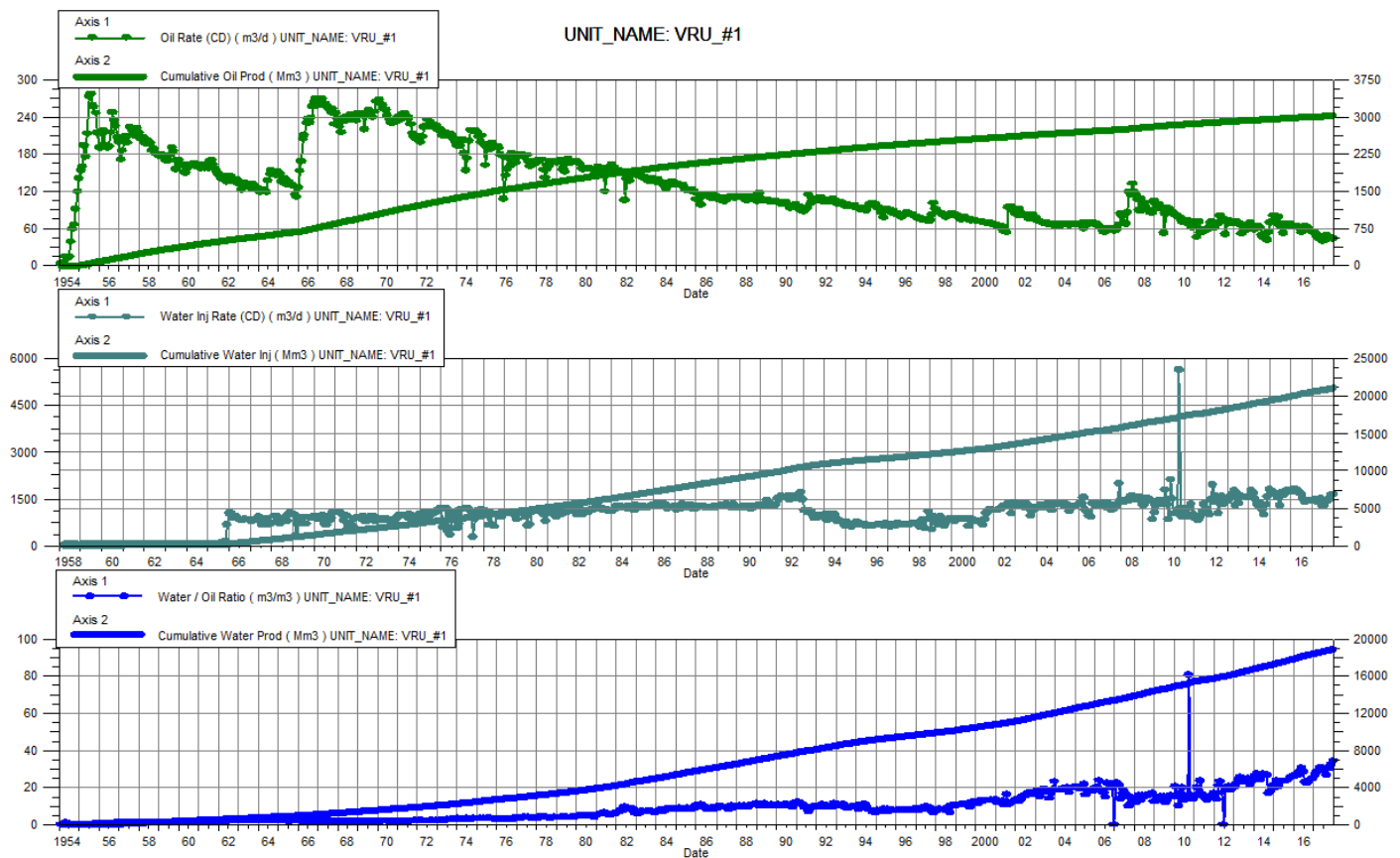


VRU #1 Waterflood Pattern Table

Pattern	Well
P-01	100/13-25-010-26W1/00
P-02	100/15-25-010-26W1/00
P-03	100/15-30-010-25W1/00
P-04	100/11-25-010-26W1/00
P-05	100/09-30-010-25W1/00
P-06	100/03-26-010-26W1/00
P-07	100/05-25-010-26W1/00
P-08	100/07-25-010-26W1/00
P-09	100/05-30-010-25W1/00
P-09	103/01-25-010-26W1/00
	100/07-30-010-25W1/00
P-10	104/08-30-010-25W1/00
P-11	100/05-29-010-25W1/00
P-12	100/06-29-010-25W1/00
P-12	100/07-29-010-25W1/00
P-13	100/05-28-010-25W1/00
P-14	100/15-23-010-26W1/00
P-15	100/13-24-010-26W1/00
P-16	100/15-24-010-26W1/00
P-16	103/01-25-010-26W1/00
P-19	100/13-21-010-25W1/00
P-21	100/11-21-010-25W1/00

Total for VRU #1

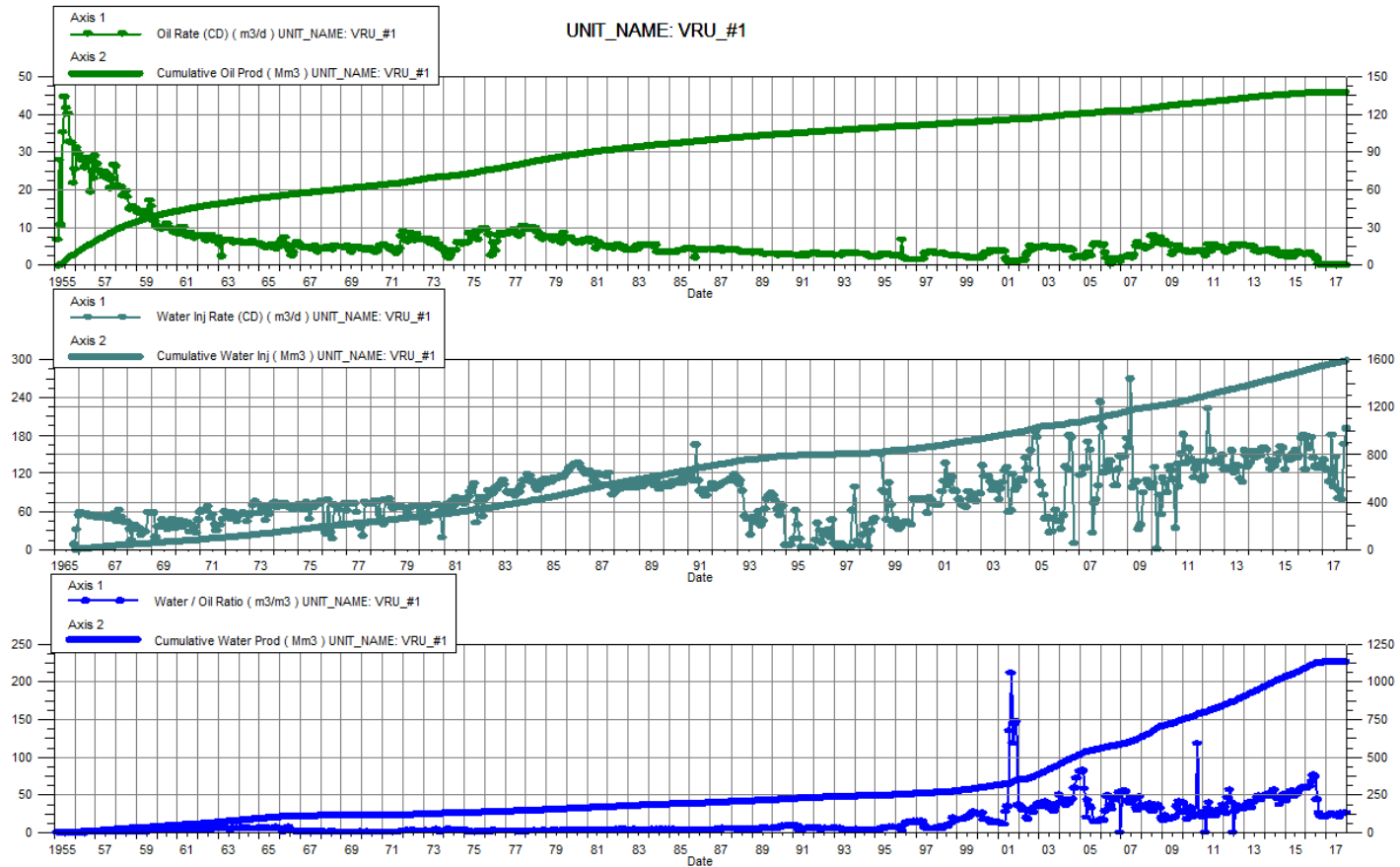
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	52.53	3016.36	1388.52	18412.10	1447.16	20680.73	26.43	1.00	0.96	6,312.26
2-28-2017	50.79	3017.78	1421.61	18451.90	1498.81	20722.70	27.99	1.02	0.96	6,380.00
3-31-2017	45.43	3019.19	1312.62	18492.59	1385.77	20765.66	28.90	1.02	0.96	6,378.87
4-30-2017	43.88	3020.51	1340.71	18532.81	1413.52	20808.06	30.56	1.02	0.96	6,344.78
5-31-2017	48.29	3022.00	1445.58	18577.63	1517.47	20855.10	29.94	1.02	0.96	6,338.50
6-30-2017	40.25	3023.21	1229.91	18614.52	1287.74	20893.74	30.56	1.01	0.96	6,338.50
7-31-2017	41.16	3024.49	1213.18	18652.13	1276.69	20933.31	29.47	1.02	0.96	6,338.50
8-31-2017	50.65	3026.06	1356.75	18694.19	1425.06	20977.49	26.78	1.01	0.96	6,338.50
9-30-2017	42.87	3027.34	1319.25	18733.77	1443.19	21020.79	30.78	1.06	0.96	6,338.50
10-31-2017	45.32	3028.75	1371.20	18776.28	1511.10	21067.63	30.26	1.07	0.96	6,338.42
11-30-2017	45.80	3030.12	1481.84	18820.73	1614.96	21116.08	32.35	1.06	0.96	6,336.00
12-31-2017	44.06	3031.49	1508.51	18867.49	1650.60	21167.25	34.24	1.06	0.96	6,336.00



VRU No. 1

Pattern P-01 - 00/13-25-010-26W1/0

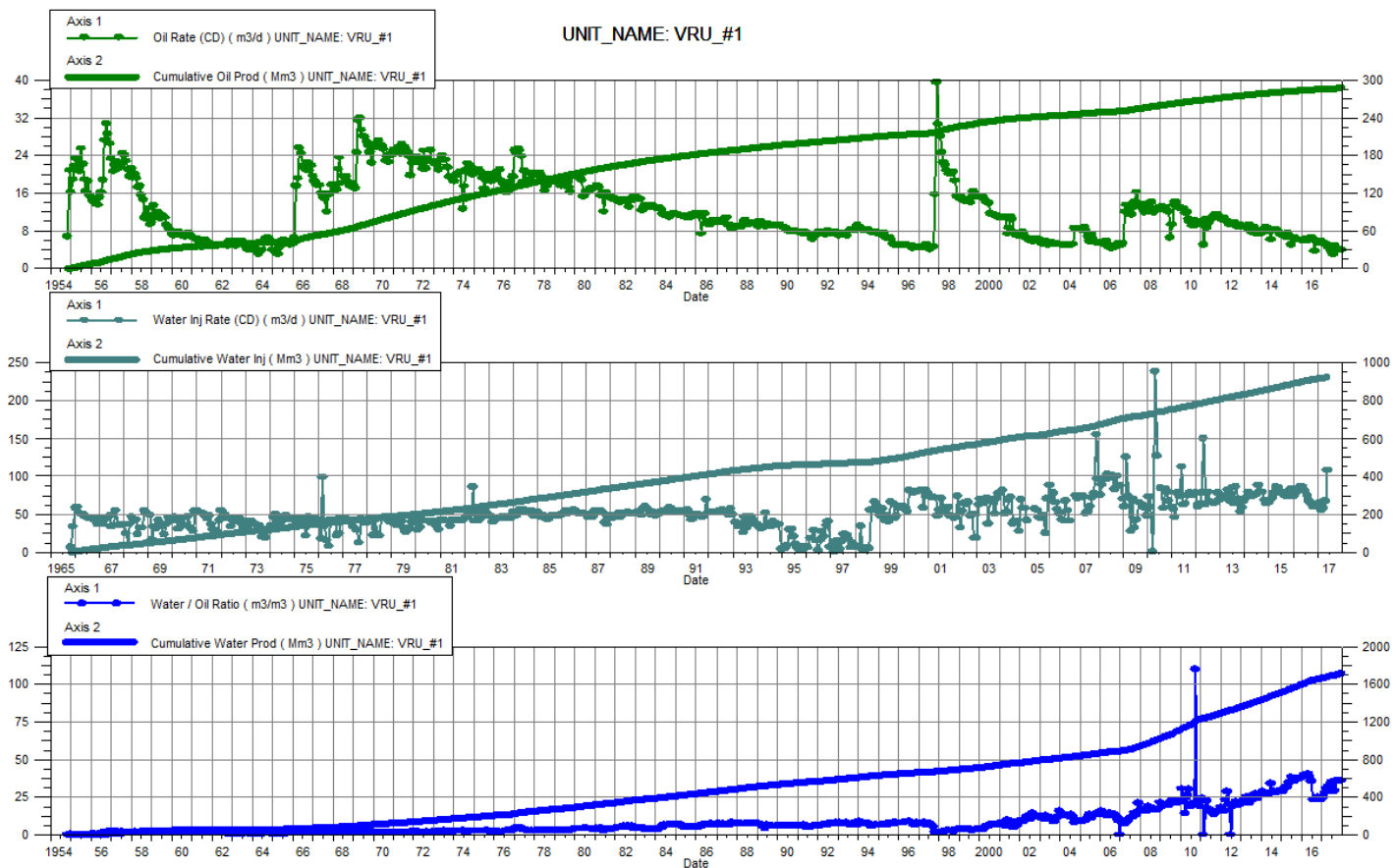
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	0.32	138.01	7.27	1129.00	141.43	1557.20	22.55	18.60	1.23	5,400.00
2-28-2017	0.31	138.01	7.45	1129.21	127.50	1560.77	23.72	16.40	1.23	5,400.00
3-31-2017	0.32	138.02	7.55	1129.45	124.70	1564.63	23.87	15.85	1.23	5,400.00
4-30-2017	0.30	138.03	7.52	1129.67	106.63	1567.83	24.79	13.62	1.23	5,385.00
5-31-2017	0.34	138.04	8.11	1129.92	181.02	1573.44	24.17	21.42	1.24	4,950.00
6-30-2017	0.34	138.05	7.73	1130.15	99.17	1576.42	22.74	12.28	1.24	4,950.00
7-31-2017	0.26	138.06	6.15	1130.34	145.93	1580.94	23.81	22.77	1.24	4,950.00
8-31-2017	0.21	138.07	4.45	1130.48	80.74	1583.44	21.22	17.32	1.25	4,950.00
9-30-2017	0.18	138.07	4.64	1130.62	92.99	1586.23	25.33	19.25	1.25	4,950.00
10-31-2017	0.19	138.08	4.85	1130.77	78.93	1588.68	25.03	15.65	1.25	4,950.00
11-30-2017	0.20	138.09	4.94	1130.92	166.53	1593.68	25.14	32.38	1.25	4,950.00
12-31-2017	0.19	138.09	5.04	1131.08	191.42	1599.61	26.46	36.60	1.26	4,950.00



VRU No. 1

Pattern P-02 - 00/15-25-010-26W1/0

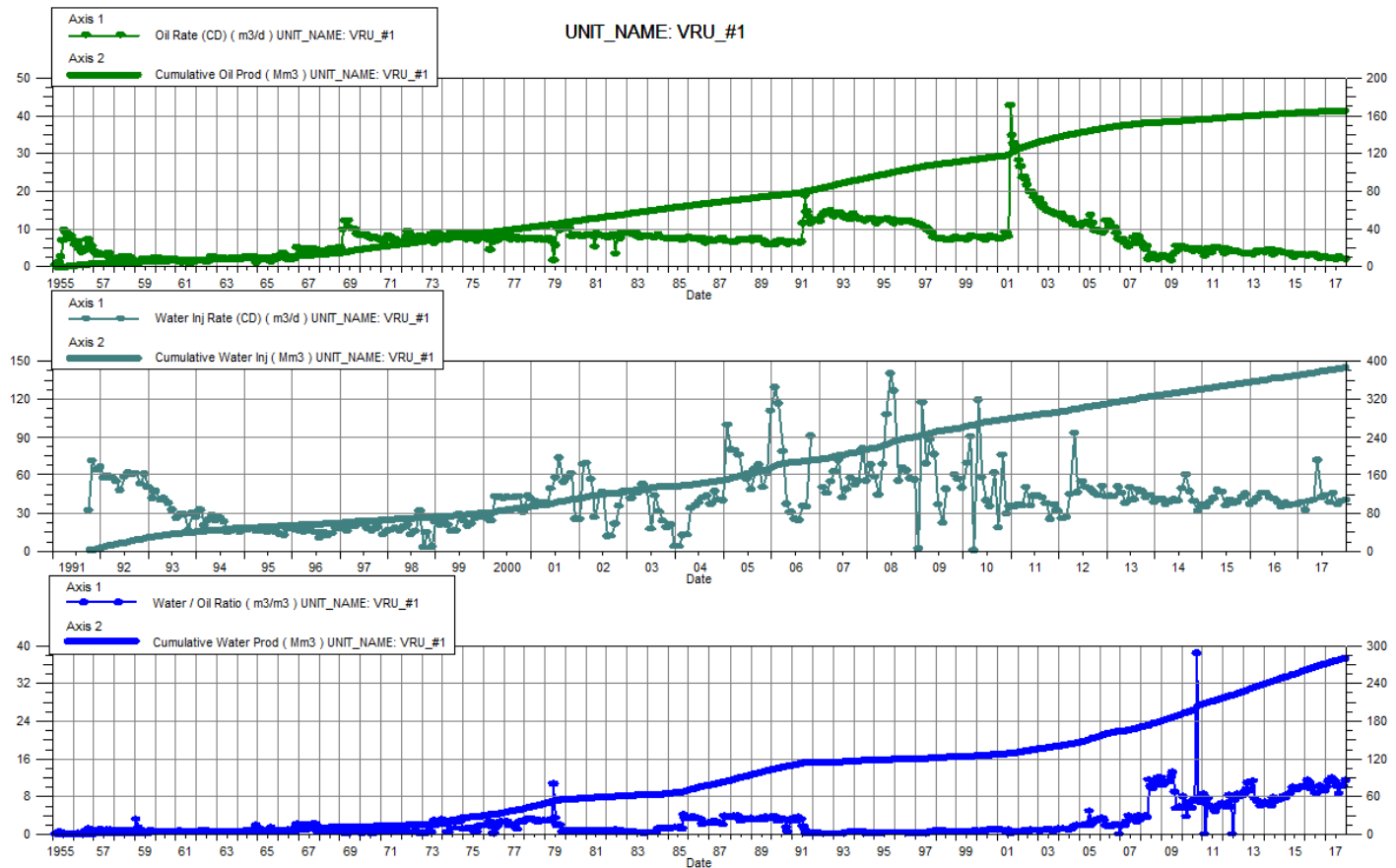
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	5.25	286.63	132.04	1666.05	64.77	920.89	25.17	0.47	0.47	6,200.00
2-28-2017	5.34	286.78	147.52	1670.19	55.35	922.44	27.61	0.36	0.47	6,200.00
3-31-2017	5.08	286.94	155.76	1675.01	57.95	924.23	30.68	0.36	0.47	6,200.00
4-30-2017	4.59	287.08	147.72	1679.45	67.38	926.25	32.18	0.44	0.47	6,200.00
5-31-2017	4.57	287.22	147.04	1684.00	107.97	929.60	32.17	0.71	0.47	6,200.00
6-30-2017	3.72	287.33	129.91	1687.90		929.60	34.89		0.47	6,200.00
7-31-2017	3.09	287.43	88.52	1690.64		929.60	28.61		0.47	6,200.00
8-31-2017	4.86	287.58	141.42	1695.03		929.60	29.09		0.47	6,200.00
9-30-2017	3.88	287.70	140.10	1699.23		929.60	36.08		0.47	6,200.00
10-31-2017	3.96	287.82	141.08	1703.61		929.60	35.59		0.47	6,200.00
11-30-2017	4.08	287.94	143.89	1707.92		929.60	35.30		0.46	6,200.00
12-31-2017	4.05	288.07	146.24	1712.46		929.60	36.12		0.46	6,200.00



VRU No. 1

Pattern P-03 - 00/15-30-010-25W1/0

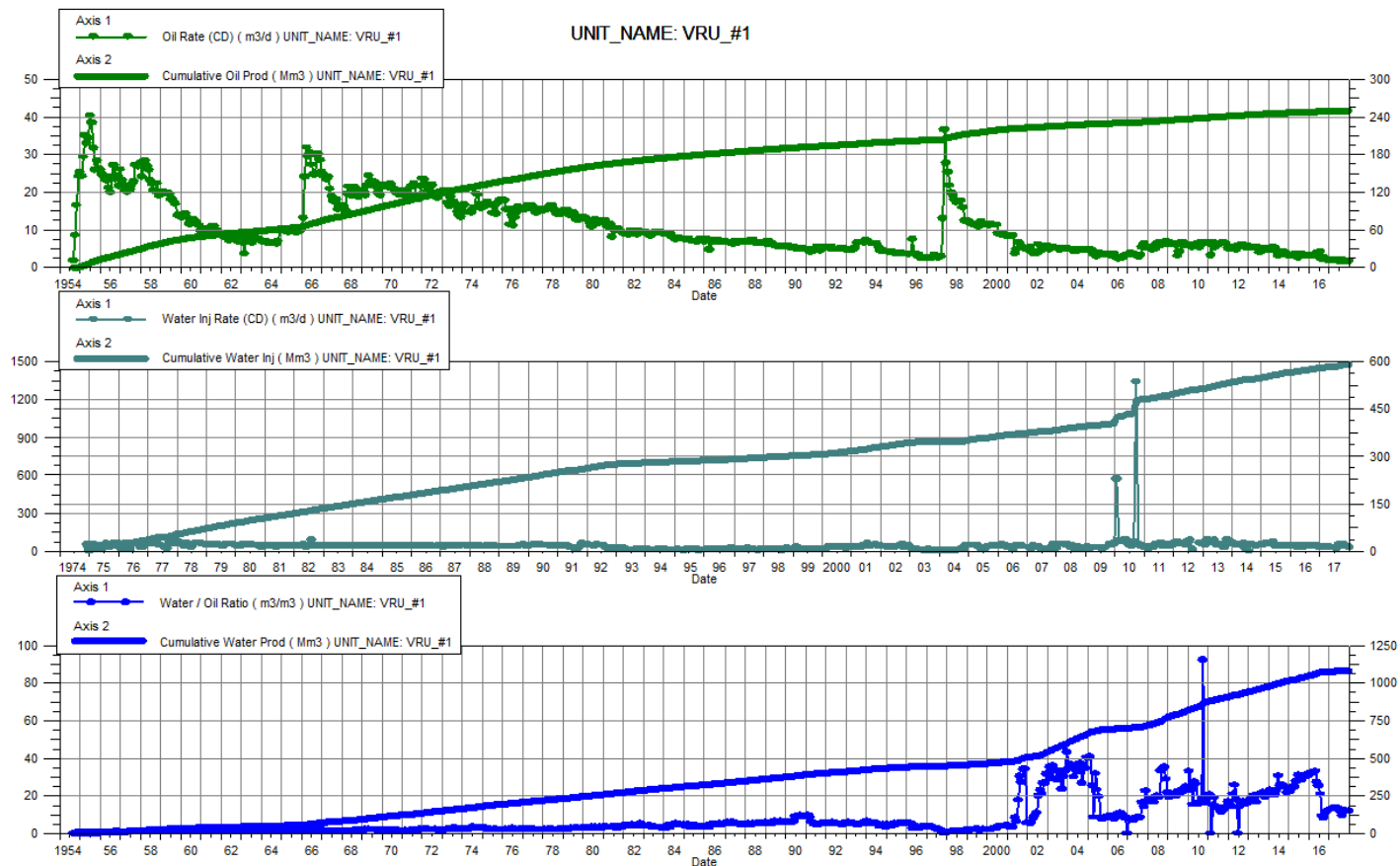
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	2.62	165.30	26.32	271.51	38.25	373.05	10.05	1.32	0.85	7,100.00
2-28-2017	2.35	165.37	26.32	272.24	32.41	373.96	11.20	1.13	0.85	7,100.00
3-31-2017	2.34	165.44	26.93	273.08	39.45	375.18	11.51	1.35	0.85	7,100.00
4-30-2017	2.28	165.51	27.11	273.89	39.97	376.38	11.91	1.36	0.85	7,093.33
5-31-2017	2.41	165.58	27.92	274.76	71.94	378.61	11.59	2.37	0.85	6,900.00
6-30-2017	2.03	165.64	22.58	275.43	42.46	379.89	11.14	1.72	0.86	6,900.00
7-31-2017	2.41	165.72	24.46	276.19	43.75	381.24	10.17	1.63	0.86	6,900.00
8-31-2017	2.73	165.80	23.38	276.92	38.36	382.43	8.58	1.47	0.86	6,900.00
9-30-2017	2.26	165.87	23.33	277.62	45.50	383.80	10.32	1.78	0.86	6,900.00
10-31-2017	2.27	165.94	23.40	278.34	36.37	384.92	10.29	1.42	0.86	6,900.00
11-30-2017	2.29	166.01	23.37	279.04	39.26	386.10	10.22	1.53	0.86	6,900.00
12-31-2017	2.12	166.07	24.22	279.79	40.34	387.35	11.43	1.53	0.86	6,900.00



VRU No. 1

Pattern P-04 - 00/11-25-010-26W1/0

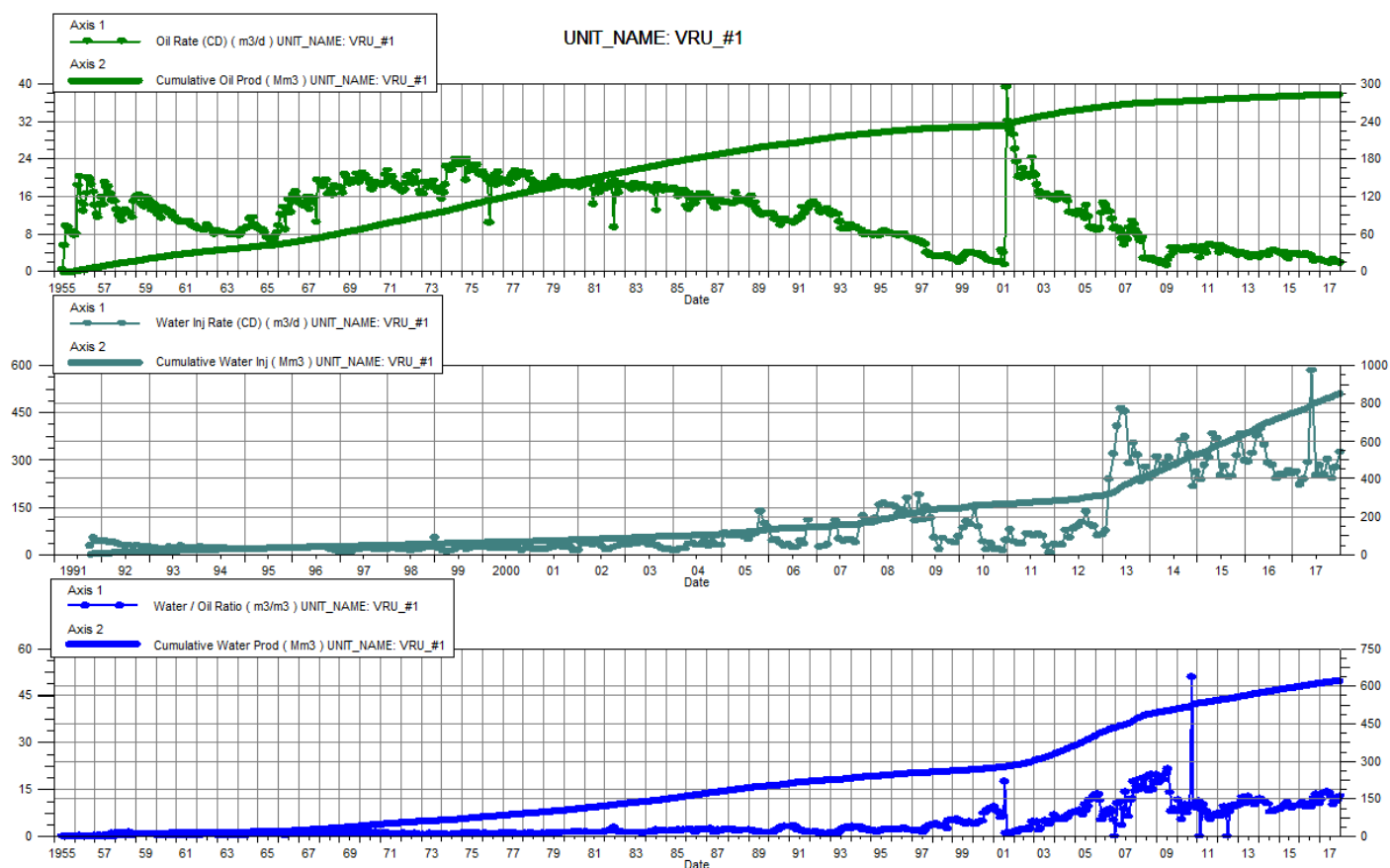
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	2.15	249.89	27.75	1072.81	29.70	583.36	12.90	0.99	0.44	6,400.00
2-28-2017	2.17	249.95	28.63	1073.61	29.80	584.20	13.16	0.97	0.44	6,400.00
3-31-2017	2.20	250.02	29.07	1074.51	30.34	585.14	13.21	0.97	0.44	6,390.32
4-30-2017	2.14	250.09	28.97	1075.38	32.02	586.10	13.56	1.03	0.44	6,110.00
5-31-2017	1.90	250.15	25.48	1076.17		586.10	13.39		0.44	6,400.00
6-30-2017	1.64	250.19	21.78	1076.82	25.45	586.86	13.25	1.09	0.44	6,400.00
7-31-2017	1.83	250.25	21.92	1077.50	22.20	587.55	11.96	0.93	0.44	6,400.00
8-31-2017	2.08	250.32	20.11	1078.13	49.33	589.08	9.67	2.22	0.44	6,400.00
9-30-2017	1.61	250.36	19.96	1078.73	35.99	590.16	12.43	1.67	0.44	6,400.00
10-31-2017	1.69	250.42	20.22	1079.35	49.12	591.68	11.96	2.24	0.44	6,400.00
11-30-2017	1.76	250.47	20.85	1079.98	36.13	592.77	11.82	1.60	0.44	6,400.00
12-31-2017	1.81	250.53	21.51	1080.64	31.51	593.74	11.88	1.35	0.44	6,400.00



VRU No. 1

Pattern P-05 - 00/09-30-010-25W1/0

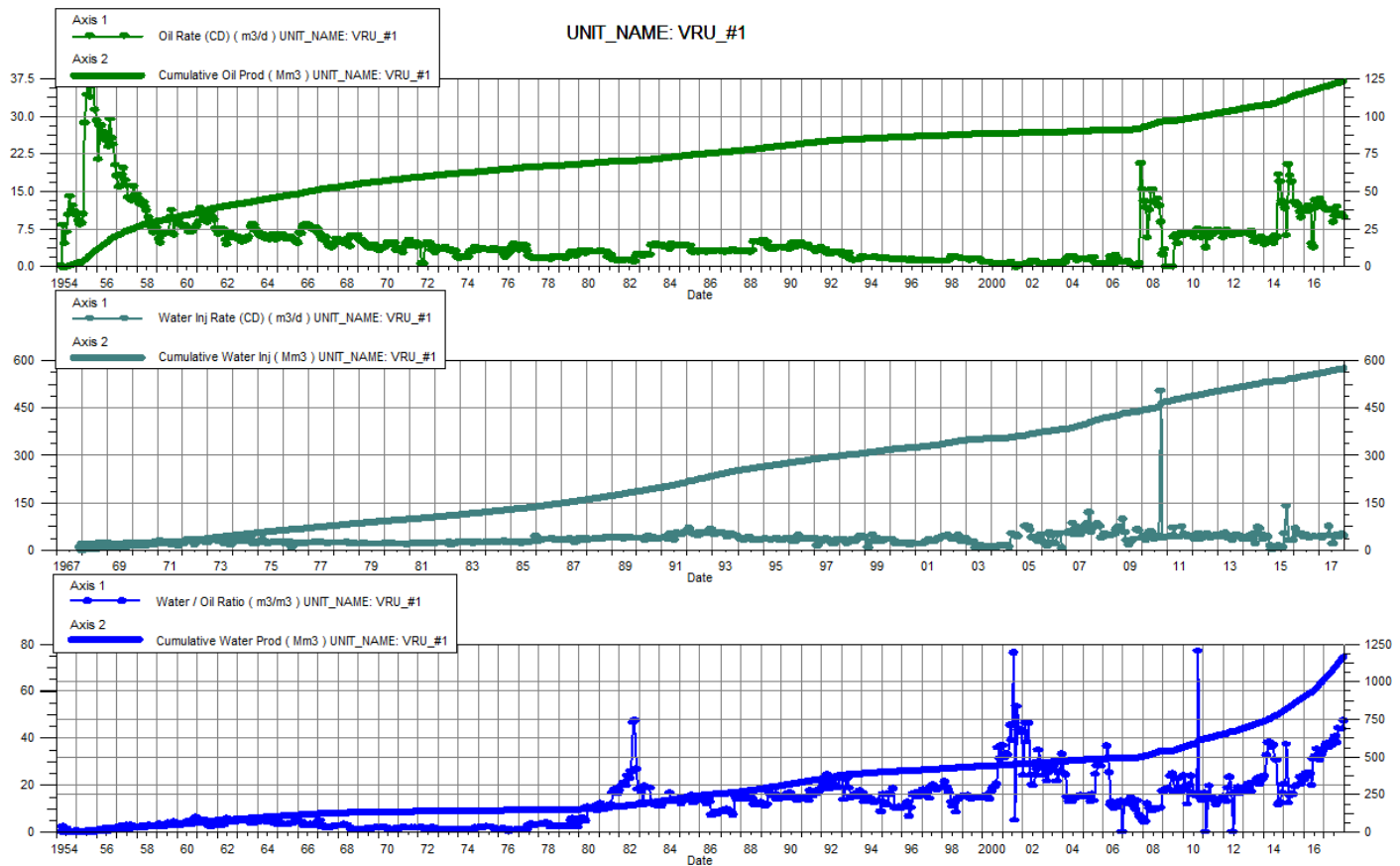
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	2.57	283.10	30.48	611.31	262.68	757.77	11.86	7.94	0.84	7,200.00
2-28-2017	2.26	283.16	30.99	612.18	222.08	763.99	13.69	6.67	0.85	7,200.00
3-31-2017	2.25	283.23	31.35	613.15	240.32	771.44	13.94	7.14	0.86	7,200.00
4-30-2017	2.22	283.30	31.58	614.10	292.47	780.22	14.20	8.64	0.86	7,205.67
5-31-2017	2.32	283.37	32.77	615.12	585.47	798.37	14.13	16.67	0.88	7,370.00
6-30-2017	1.94	283.43	26.91	615.92	251.12	805.90	13.90	8.69	0.89	7,370.00
7-31-2017	2.31	283.50	28.97	616.82	283.17	814.68	12.56	9.04	0.90	7,370.00
8-31-2017	2.69	283.58	27.42	617.67	253.97	822.55	10.21	8.42	0.91	7,370.00
9-30-2017	2.14	283.65	24.06	618.39	302.00	831.61	11.23	11.51	0.92	7,370.00
10-31-2017	2.13	283.71	24.07	619.14	240.77	839.08	11.29	9.17	0.92	7,370.00
11-30-2017	2.14	283.78	24.37	619.87	276.19	847.36	11.41	10.40	0.93	7,370.00
12-31-2017	1.96	283.84	25.22	620.65	325.81	857.46	12.84	11.97	0.94	7,370.00



VRU No. 1

Pattern P-06 - 00/03-26-010-26W1/0

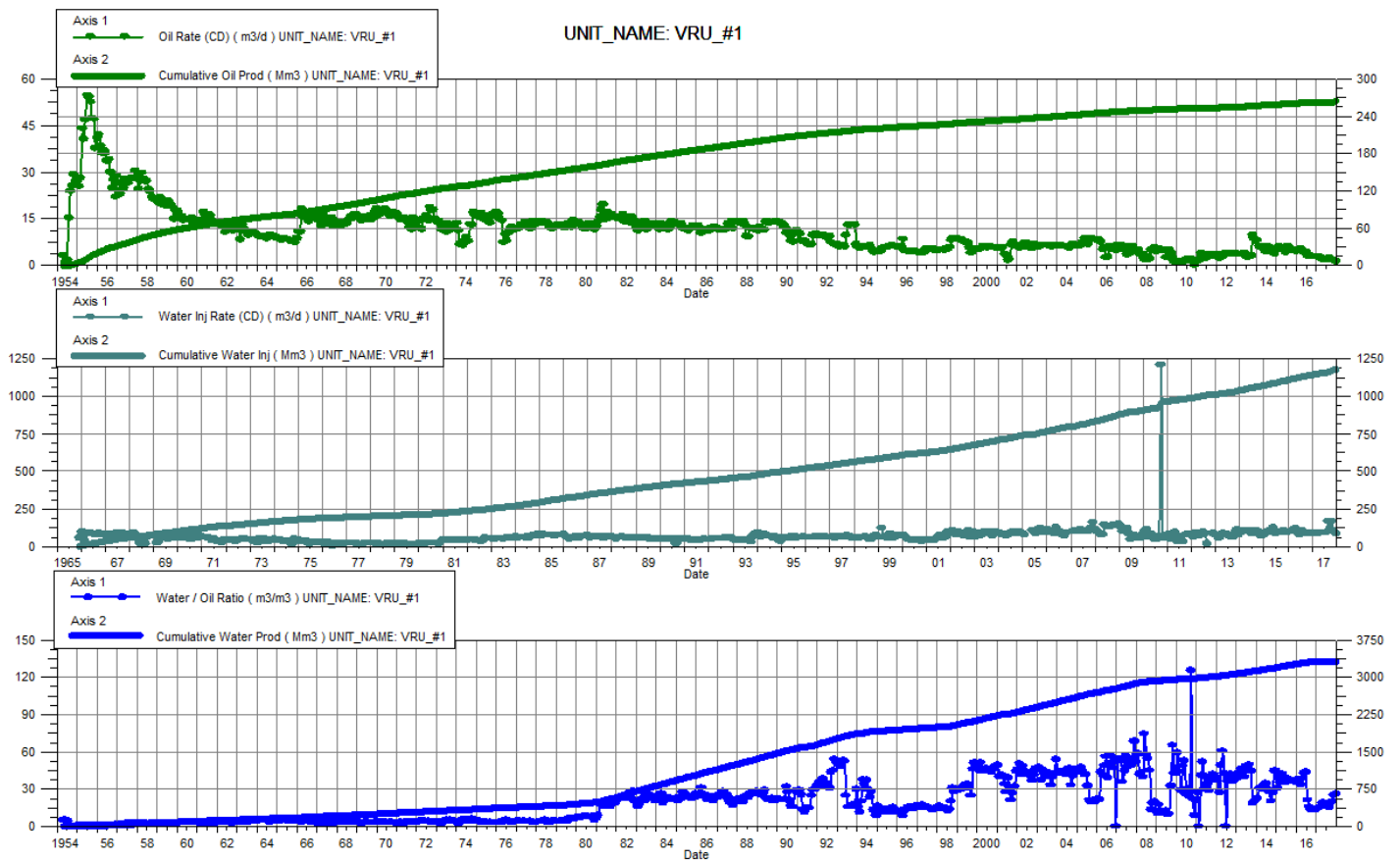
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	11.52	119.92	414.41	1022.53	42.52	563.38	35.98	0.10	0.49	4,900.00
2-28-2017	11.31	120.24	424.44	1034.41	36.39	564.40	37.54	0.08	0.49	4,900.00
3-31-2017	11.29	120.59	406.93	1047.02	43.86	565.76	36.03	0.11	0.48	4,900.00
4-30-2017	11.38	120.93	422.75	1059.71	43.09	567.06	37.15	0.10	0.48	4,900.00
5-31-2017	11.54	121.29	426.05	1072.91	74.23	569.36	36.92	0.17	0.48	4,900.00
6-30-2017	8.98	121.56	350.51	1083.43	43.71	570.67	39.05	0.12	0.47	4,900.00
7-31-2017	10.20	121.88	416.06	1096.33	18.09	571.23	40.78	0.04	0.47	4,900.00
8-31-2017	11.96	122.25	453.61	1110.39	42.35	572.54	37.91	0.09	0.46	4,900.00
9-30-2017	10.15	122.55	446.59	1123.79	47.45	573.96	44.00	0.10	0.46	4,900.00
10-31-2017	10.38	122.87	451.98	1137.80	41.30	575.24	43.55	0.09	0.46	4,898.39
11-30-2017	10.56	123.19	461.06	1151.63	49.32	576.72	43.65	0.11	0.45	4,850.00
12-31-2017	9.93	123.50	469.06	1166.17	45.70	578.14	47.26	0.10	0.45	4,850.00



VRU No. 1

Pattern P-07 - 00/05-25-010-26W1/0

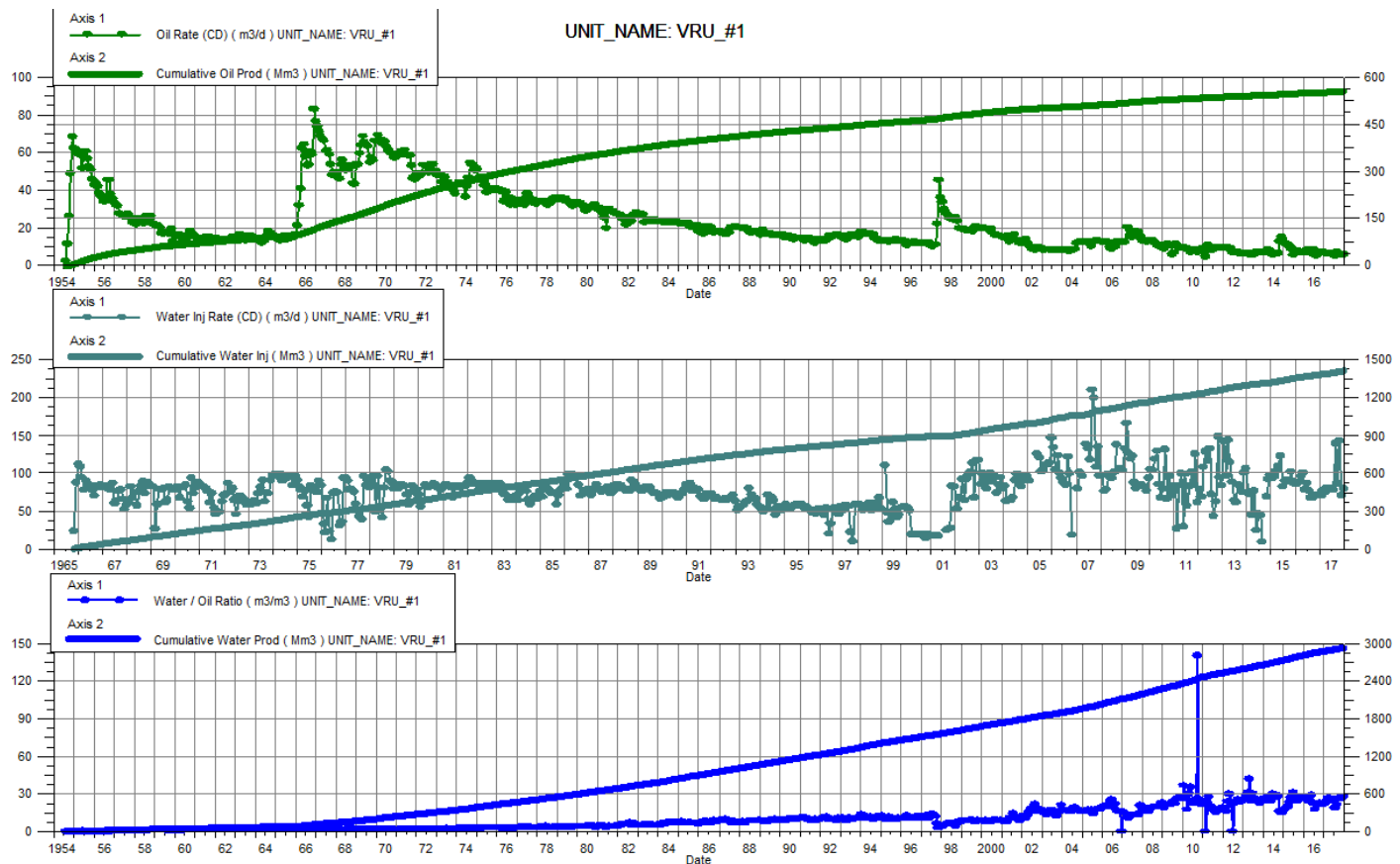
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	2.78	263.19	41.46	3301.37	86.51	1149.17	14.93	1.95	0.32	6,100.00
2-28-2017	2.80	263.27	42.60	3302.57	88.03	1151.63	15.21	1.94	0.32	6,100.00
3-31-2017	2.74	263.35	42.89	3303.90	87.86	1154.35	15.66	1.92	0.32	6,100.00
4-30-2017	2.24	263.42	42.40	3305.17	91.85	1157.11	18.90	2.06	0.32	6,103.33
5-31-2017	2.30	263.49	43.36	3306.51		1157.11	18.82		0.32	6,200.00
6-30-2017	2.02	263.55	36.94	3307.62	90.72	1159.83	18.29	2.33	0.32	6,200.00
7-31-2017	2.17	263.62	39.62	3308.85	91.36	1162.66	18.25	2.18	0.33	6,200.00
8-31-2017	2.44	263.70	37.65	3310.02	165.74	1167.80	15.44	4.13	0.33	6,200.00
9-30-2017	2.02	263.76	38.72	3311.18	104.09	1170.92	19.20	2.55	0.33	6,200.00
10-31-2017	1.99	263.82	40.38	3312.43	167.32	1176.11	20.32	3.95	0.33	6,200.00
11-30-2017	1.57	263.87	40.01	3313.63	103.28	1179.21	25.43	2.48	0.33	6,200.00
12-31-2017	1.51	263.91	39.84	3314.87	88.32	1181.95	26.39	2.13	0.33	6,200.00



VRU No. 1

Pattern P-08 - 00/07-25-010-26W1/0

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 Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	6.80	553.22	151.94	2869.62	70.65	1388.59	22.34	0.45	0.40	7,000.00
2-28-2017	6.89	553.41	167.90	2874.32	77.80	1390.77	24.38	0.45	0.40	7,000.00
3-31-2017	6.52	553.62	175.28	2879.75	75.19	1393.10	26.87	0.41	0.40	7,000.00
4-30-2017	6.40	553.81	171.91	2884.91	81.00	1395.53	26.85	0.45	0.41	7,000.00
5-31-2017	6.37	554.01	165.48	2890.04		1395.53	25.96		0.40	7,000.00
6-30-2017	5.72	554.18	141.37	2894.28	80.40	1397.95	24.72	0.55	0.40	7,000.00
7-31-2017	5.42	554.34	102.93	2897.47	78.60	1400.38	18.99	0.73	0.40	7,000.00
8-31-2017	7.55	554.58	160.59	2902.45	139.18	1404.70	21.27	0.83	0.41	7,000.00
9-30-2017	6.08	554.76	159.27	2907.23	85.70	1407.27	26.21	0.52	0.41	7,000.00
10-31-2017	6.07	554.95	160.28	2912.20	142.84	1411.70	26.40	0.86	0.41	7,000.00
11-30-2017	6.33	555.14	163.14	2917.09	71.11	1413.83	25.79	0.42	0.41	7,000.00
12-31-2017	5.91	555.32	164.80	2922.20	80.30	1416.32	27.90	0.47	0.41	7,000.00

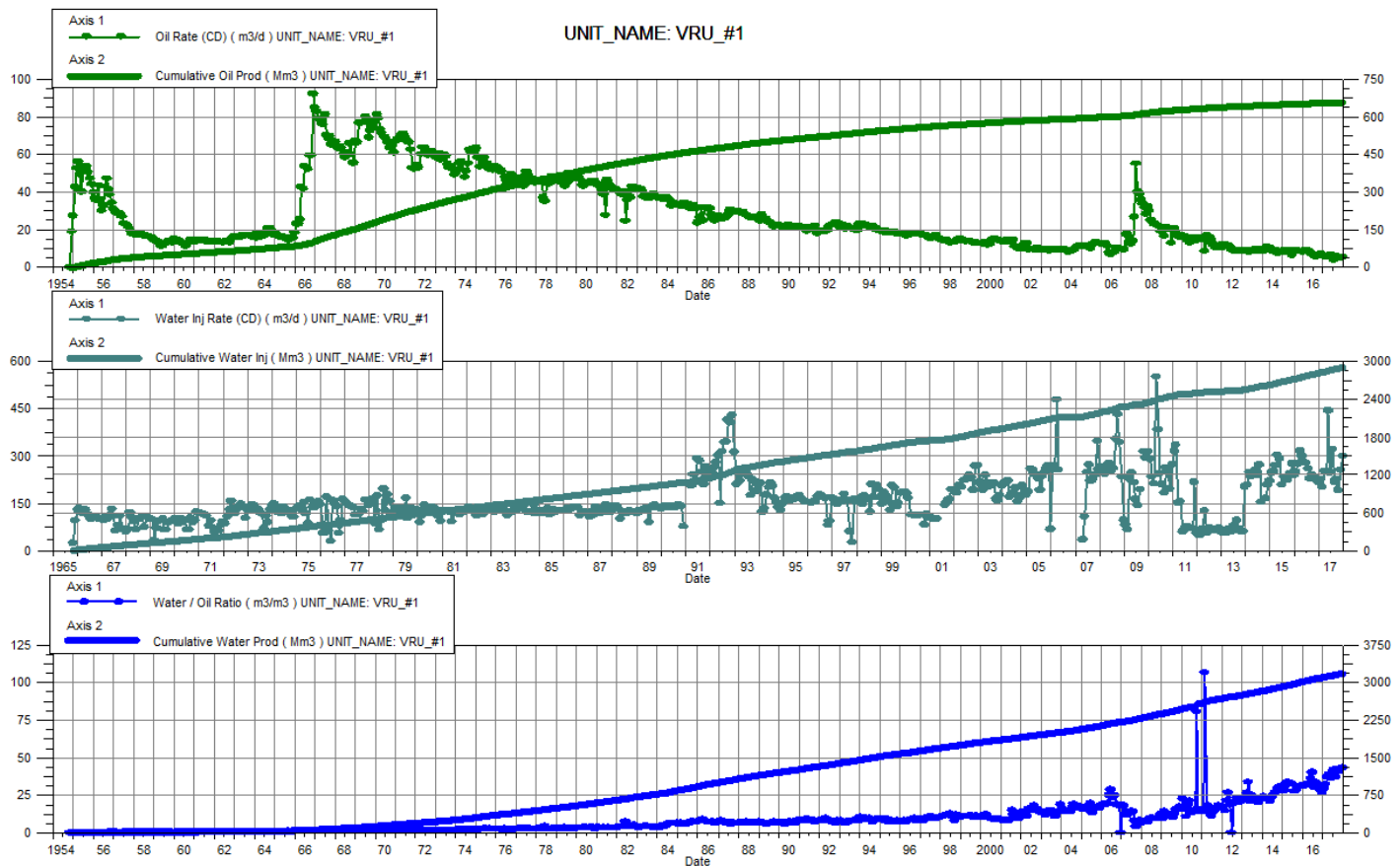


VRU No. 1

Pattern P-09 – 00/05-30-010-25W1/0

P-09 – 03/01-25-010-26W1/0

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 Replacemt Ratio	Water Inj Pressure kPa	Water Inj Pressure kPa
1-31-2017	6.13	656.74	179.32	3098.69	225.98	2829.89	29.24	1.22	0.75	7,000.00	--
2-28-2017	6.04	656.91	194.24	3104.12	203.52	2835.59	32.16	1.02	0.75	7,000.00	--
3-31-2017	6.41	657.11	235.98	3111.44	251.55	2843.38	36.83	1.04	0.75	7,000.00	--
4-30-2017	6.23	657.30	241.16	3118.67	251.52	2850.93	38.71	1.02	0.75	6,985.00	--
5-31-2017	6.69	657.51	244.94	3126.27	444.53	2864.71	36.59	1.77	0.76	6,550.00	--
6-30-2017	5.19	657.66	210.58	3132.59	247.16	2872.12	40.55	1.15	0.76	6,550.00	--
7-31-2017	4.25	657.79	179.62	3138.15	322.49	2882.12	42.25	1.75	0.76	6,550.00	--
8-31-2017	6.39	657.99	238.52	3145.55	217.23	2888.86	37.31	0.89	0.76	6,550.00	--
9-30-2017	5.39	658.15	221.66	3152.20	225.85	2895.63	41.10	0.99	0.76	6,550.00	--
10-31-2017	5.65	658.33	229.20	3159.30	190.91	2901.55	40.56	0.81	0.76	6,550.00	--
11-30-2017	5.57	658.50	238.96	3166.47	256.58	2909.25	42.88	1.05	0.76	6,550.00	--
12-31-2017	5.65	658.67	243.71	3174.03	300.63	2918.57	43.17	1.21	0.76	6,550.00	--

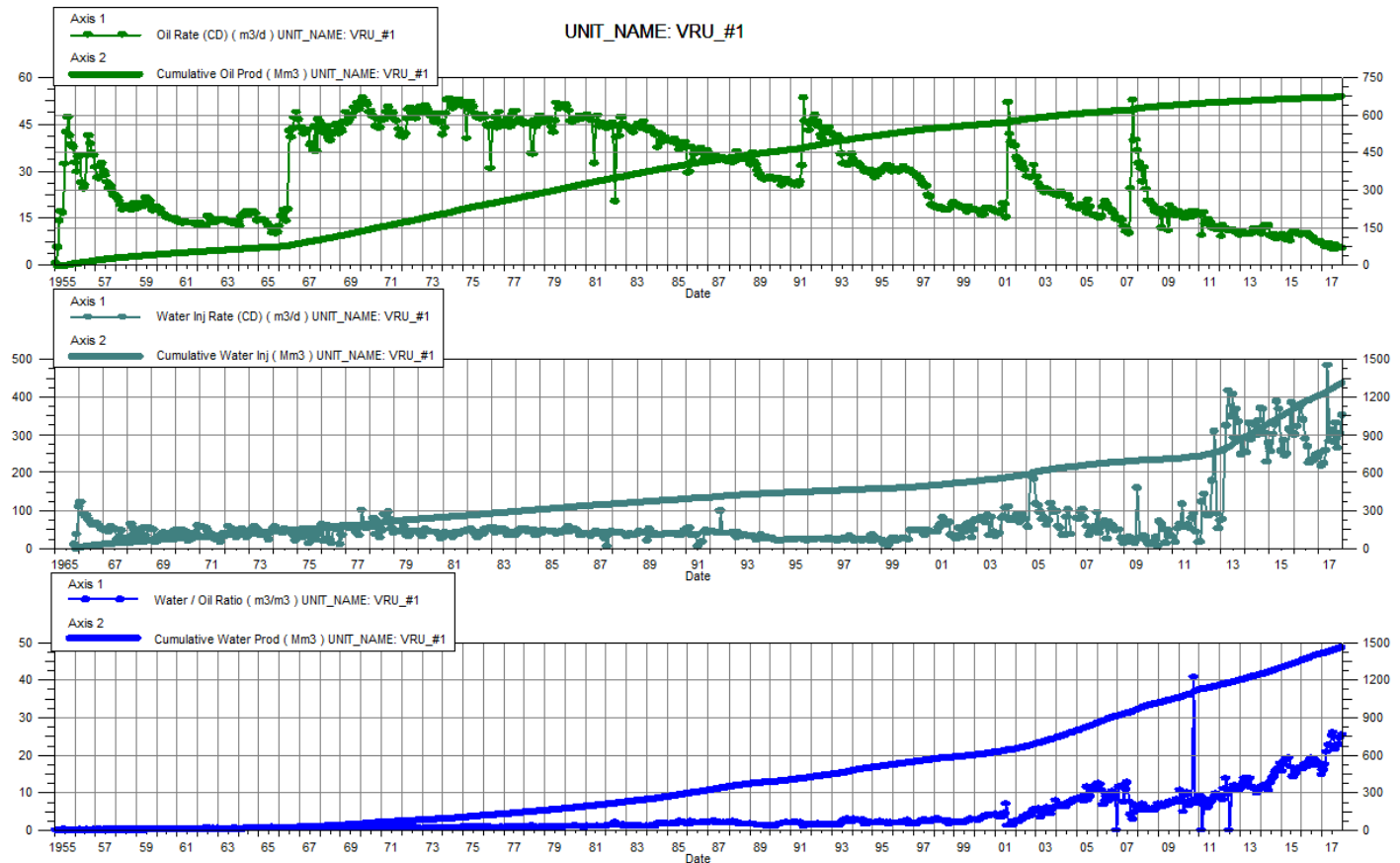


VRU No. 1

Pattern P-10 - 00/07-30-010-25W1/0

P-10 - 04/08-30-010-25W1/0

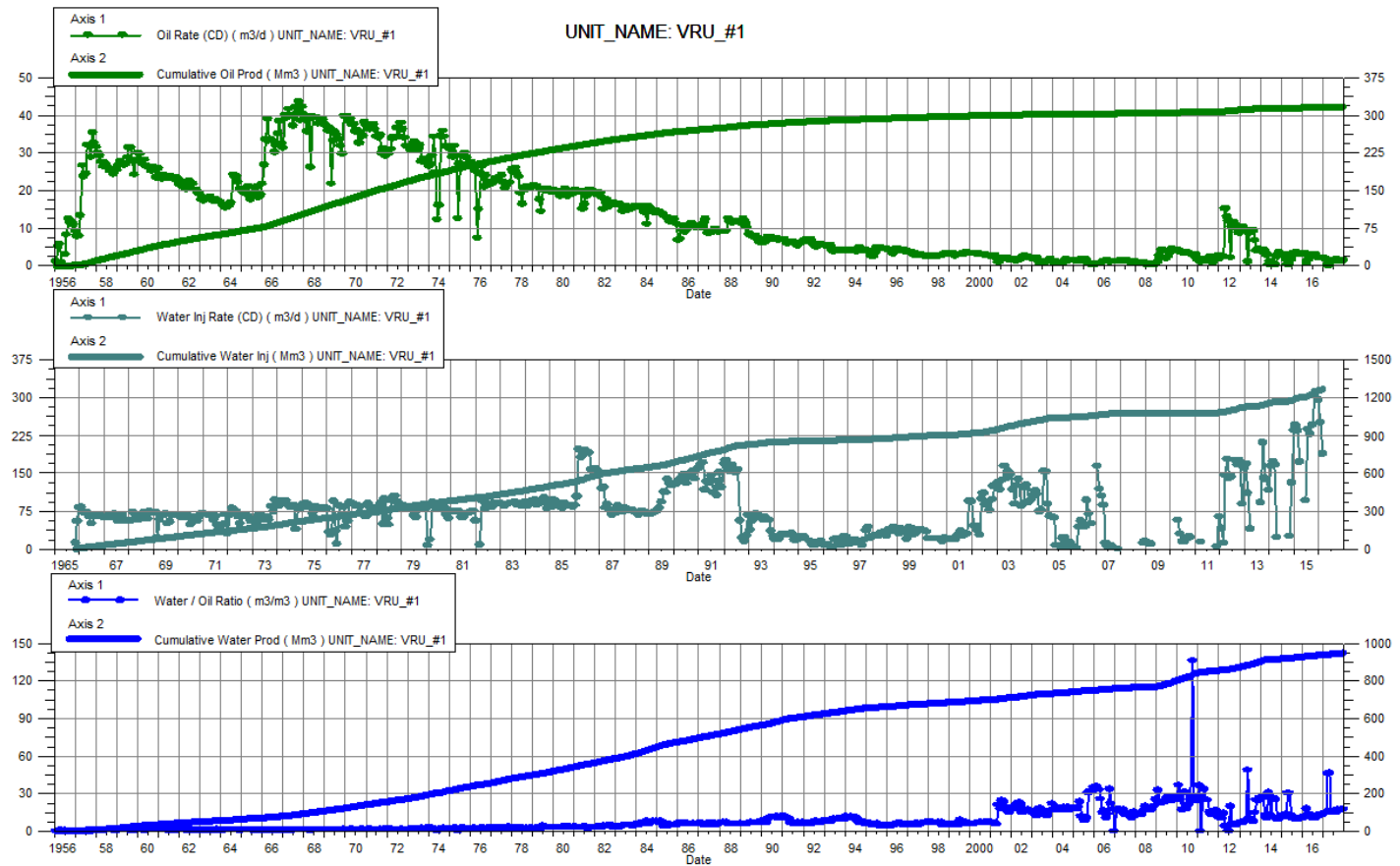
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa	Water Inj Pressure kPa
1-31-2017	6.75	672.03	108.61	1414.92	252.12	1221.15	16.10	2.18	0.58	7,200.00	7,200.00
2-28-2017	6.27	672.21	109.63	1417.99	218.17	1227.26	17.48	1.88	0.58	7,200.00	7,200.00
3-31-2017	6.91	672.42	143.96	1422.45	224.15	1234.21	20.83	1.48	0.59	7,200.00	7,200.00
4-30-2017	6.75	672.63	153.53	1427.05	258.85	1241.97	22.75	1.61	0.59	7,190.00	7,200.00
5-31-2017	7.17	672.85	161.12	1432.05	486.00	1257.04	22.48	2.89	0.59	6,900.00	7,200.00
6-30-2017	5.26	673.01	132.41	1436.02	283.13	1265.53	25.17	2.06	0.60	6,900.00	7,200.00
7-31-2017	5.56	673.18	144.88	1440.51	313.95	1275.26	26.05	2.09	0.60	6,900.00	7,200.00
8-31-2017	6.67	673.39	144.18	1444.98	280.36	1283.95	21.62	1.86	0.60	6,900.00	7,200.00
9-30-2017	5.54	673.55	125.03	1448.73	332.79	1293.94	22.58	2.55	0.61	6,900.00	7,200.00
10-31-2017	5.78	673.73	132.06	1452.83	265.15	1302.16	22.85	1.92	0.61	6,900.00	7,200.00
11-30-2017	5.67	673.90	139.90	1457.02	303.63	1311.27	24.66	2.08	0.61	6,900.00	7,200.00
12-31-2017	5.67	674.08	144.39	1461.50	352.84	1322.21	25.46	2.35	0.62	6,900.00	7,200.00



VRU No. 1

Pattern P-11 - 00/05-29-010-25W1/0

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 Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	2.18	316.97	30.25	937.86		1273.32	13.89		1.01	6,800.00
2-28-2017	1.98	317.03	29.44	938.68		1273.32	14.88		1.01	6,800.00
3-31-2017	0.23	317.04	10.69	939.01		1273.32	46.03		1.01	6,800.00
4-30-2017	0.23	317.04	10.69	939.33		1273.32	46.49		1.01	6,800.00
5-31-2017	1.65	317.09	26.90	940.17		1273.32	16.32		1.01	6,800.00
6-30-2017	1.54	317.14	23.57	940.87		1273.32	15.34		1.01	6,800.00
7-31-2017	1.63	317.19	27.43	941.72		1273.32	16.84		1.01	6,800.00
8-31-2017	1.93	317.25	28.86	942.62		1273.32	14.96		1.01	6,800.00
9-30-2017	1.53	317.30	25.93	943.40		1273.32	16.95		1.01	6,800.00
10-31-2017	1.53	317.34	25.74	944.19		1273.32	16.87		1.00	6,800.00
11-30-2017	1.55	317.39	26.26	944.98		1273.32	16.90		1.00	6,800.00
12-31-2017	1.52	317.44	26.91	945.82		1273.32	17.75		1.00	6,800.00

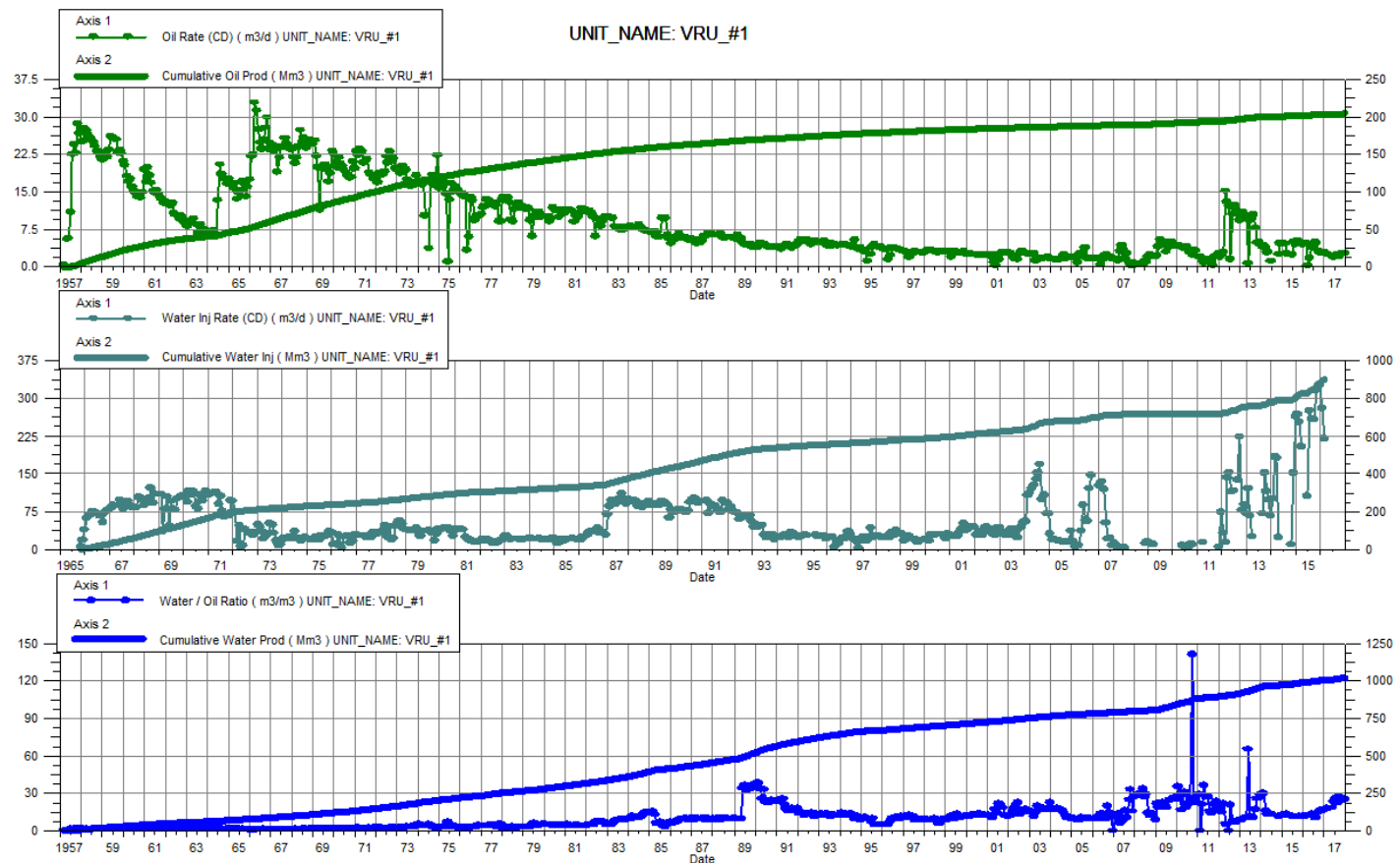


VRU No. 1

Pattern P-12 – 00/06-29-010-25W1/0

P-12 – 00/07-29-010-25W1/0

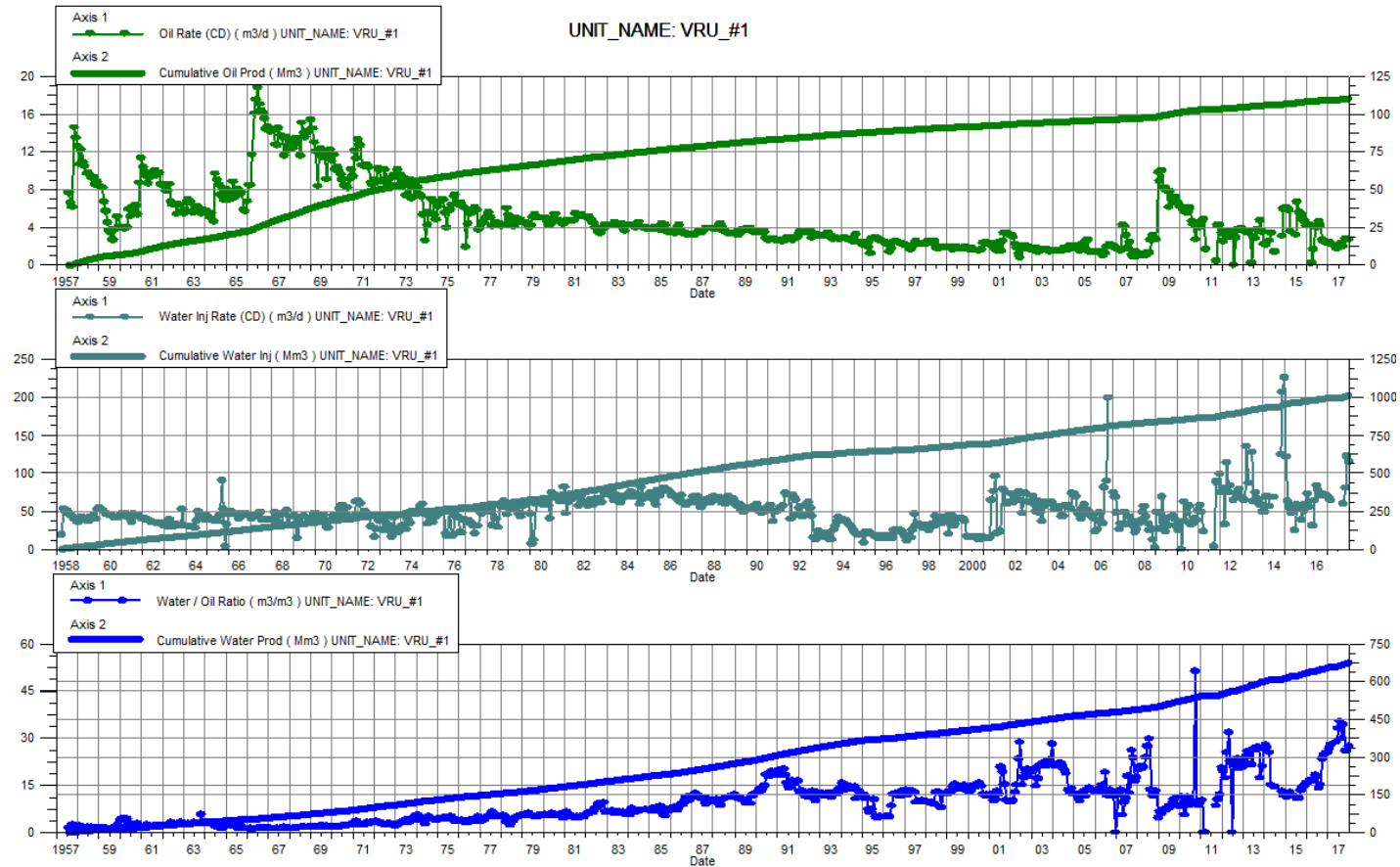
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa	Water Inj Pressure kPa
2017-01-31	2.87	203.94	50.18	1003.69		901.97	17.48		0.74	6,800.00	6,800.00
2017-02-28	2.62	204.02	47.76	1005.03		901.97	18.22		0.74	6,800.00	6,800.00
2017-03-31		204.02		1005.03		901.97			0.74	6,800.00	6,800.00
2017-04-30		204.02		1005.03		901.97			0.74	6,800.00	6,800.00
2017-05-31	2.11	204.08	39.39	1006.25		901.97	18.70		0.74	6,800.00	6,800.00
2017-06-30	2.05	204.14	48.37	1007.70		901.97	23.59		0.74	6,800.00	6,800.00
2017-07-31	2.15	204.21	56.58	1009.45		901.97	26.26		0.74	6,800.00	6,800.00
2017-08-31	2.56	204.29	58.61	1011.27		901.97	22.88		0.74	6,800.00	6,800.00
2017-09-30	2.20	204.36	59.76	1013.06		901.97	27.16		0.74	6,800.00	6,800.00
2017-10-31	2.84	204.44	67.91	1015.17		901.97	23.95		0.74	6,800.00	6,800.00
2017-11-30	2.89	204.53	69.28	1017.25		901.97	24.00		0.74	6,800.00	6,800.00
2017-12-31	2.80	204.62	70.57	1019.43		901.97	25.21		0.74	6,800.00	6,800.00



VRU No. 1

Pattern P-13 - 00/05-28-010-25W1/0

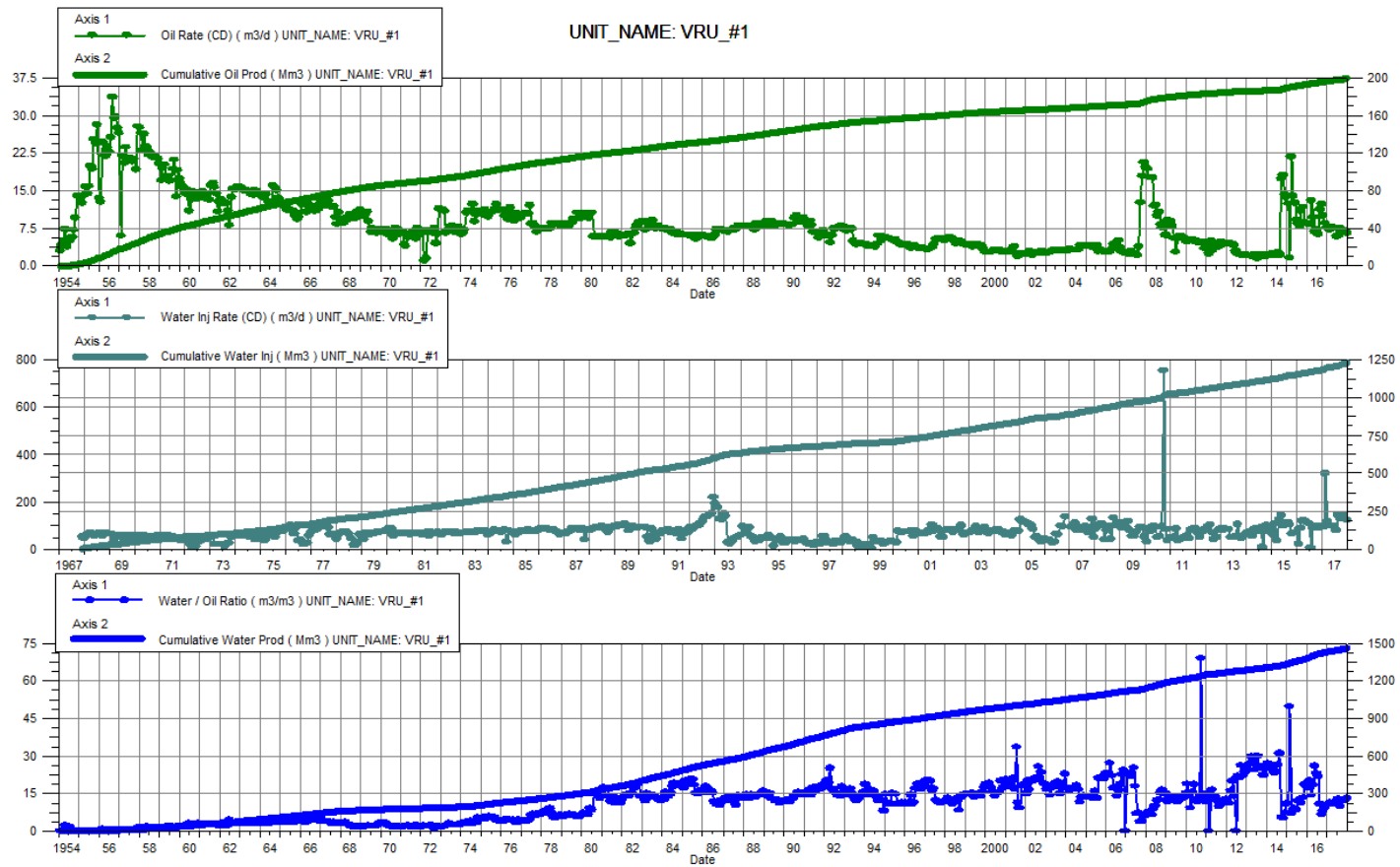
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	2.45	109.68	65.56	655.14	66.76	1001.35	26.71	0.98	1.31	5,600.00
2-28-2017	2.24	109.74	62.40	656.89	63.61	1003.13	27.87	0.98	1.31	5,600.00
3-31-2017		109.74		656.89		1003.13			1.31	5,600.00
4-30-2017		109.74		656.89		1003.13			1.31	5,600.00
5-31-2017	1.80	109.80	51.39	658.48		1003.13	28.60		1.30	5,600.00
6-30-2017	1.84	109.85	60.73	660.31		1003.13	33.06		1.30	5,600.00
7-31-2017	1.95	109.91	68.50	662.43		1003.13	35.22		1.30	5,600.00
8-31-2017	2.33	109.99	69.51	664.59		1003.13	29.80		1.29	5,600.00
9-30-2017	2.02	110.05	69.46	666.67	60.01	1004.93	34.39	0.84	1.29	5,600.00
10-31-2017	2.79	110.13	72.51	668.92	81.01	1007.45	25.99	1.08	1.29	5,600.00
11-30-2017	2.84	110.22	73.80	671.13	122.99	1011.14	25.99	1.60	1.29	5,600.00
12-31-2017	2.75	110.30	75.18	673.46	115.09	1014.70	27.32	1.48	1.29	5,600.00



VRU No. 1

Pattern P-14 - 00/15-23-010-26W1/0

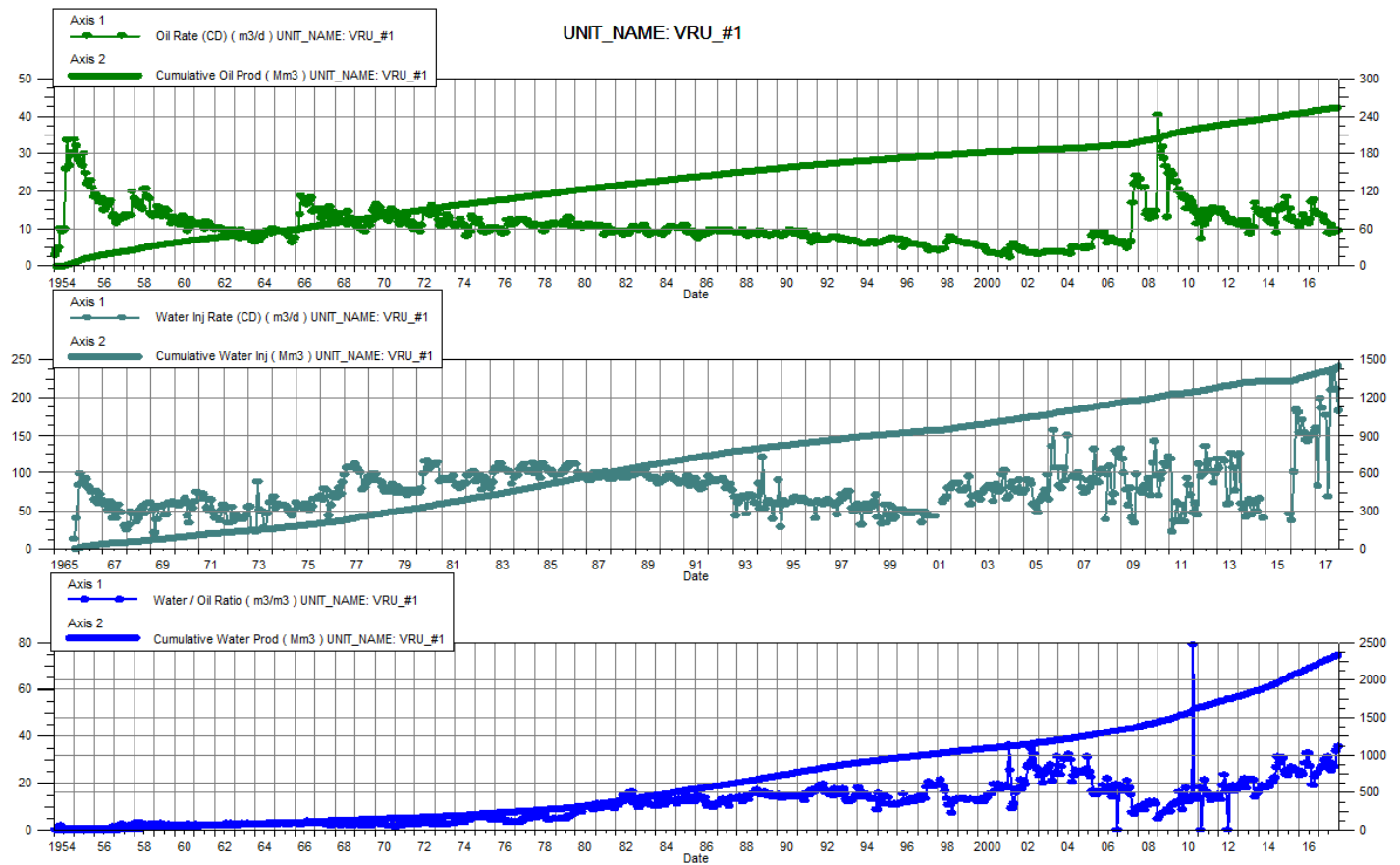
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	7.62	197.07	82.44	1427.79	91.52	1191.19	10.82	1.02	0.73	4,703.23
2-28-2017	7.15	197.27	81.46	1430.07	320.14	1200.16	11.39	3.61	0.74	4,800.00
3-31-2017	7.84	197.51	82.79	1432.64	115.80	1203.75	10.56	1.28	0.74	4,803.23
4-30-2017	7.69	197.74	84.97	1435.19	97.30	1206.67	11.05	1.05	0.74	4,903.33
5-31-2017	7.71	197.98	85.31	1437.83		1206.67	11.07		0.74	5,000.00
6-30-2017	5.91	198.16	72.09	1440.00	97.24	1209.58	12.20	1.25	0.74	5,000.00
7-31-2017	6.05	198.35	78.79	1442.44	78.53	1212.02	13.03	0.92	0.74	5,000.00
8-31-2017	7.64	198.58	76.22	1444.80	143.47	1216.46	9.97	1.71	0.74	5,000.00
9-30-2017	6.93	198.79	82.73	1447.28	129.89	1220.36	11.93	1.45	0.74	5,000.00
10-31-2017	6.96	199.01	83.43	1449.87	145.83	1224.88	11.98	1.61	0.74	5,000.00
11-30-2017	7.04	199.22	84.99	1452.42	128.75	1228.74	12.08	1.40	0.74	5,000.00
12-31-2017	6.60	199.42	86.12	1455.09	122.33	1232.54	13.05	1.32	0.74	5,000.00



VRU No. 1

Pattern P-15 - 00/13-24-010-26W1/0

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 Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	13.71	250.52	356.82	2227.14	160.02	1397.47	26.03	0.43	0.56	5,145.16
2-28-2017	13.56	250.90	365.86	2237.39	82.95	1399.79	26.99	0.22	0.56	6,500.00
3-31-2017	13.38	251.32	367.22	2248.77	199.21	1405.97	27.44	0.52	0.56	6,493.55
4-30-2017	12.28	251.69	363.11	2259.67	186.28	1411.55	29.56	0.50	0.56	6,310.00
5-31-2017	11.73	252.05	354.27	2270.65		1411.55	30.20		0.56	6,600.00
6-30-2017	9.01	252.32	280.55	2279.06	176.93	1416.86	31.14	0.61	0.56	6,600.00
7-31-2017	8.88	252.60	231.75	2286.25	68.71	1418.99	26.09	0.29	0.56	6,600.00
8-31-2017	10.93	252.94	276.66	2294.82	233.73	1426.24	25.31	0.81	0.56	6,600.00
9-30-2017	9.48	253.22	270.32	2302.93	210.36	1432.55	28.50	0.75	0.56	6,600.00
10-31-2017	9.16	253.50	247.69	2310.61	236.89	1439.89	27.04	0.92	0.56	6,600.00
11-30-2017	9.89	253.80	331.91	2320.57	212.14	1446.26	33.56	0.62	0.56	6,600.00
12-31-2017	9.59	254.10	340.25	2331.12	182.52	1451.91	35.47	0.52	0.56	6,600.00

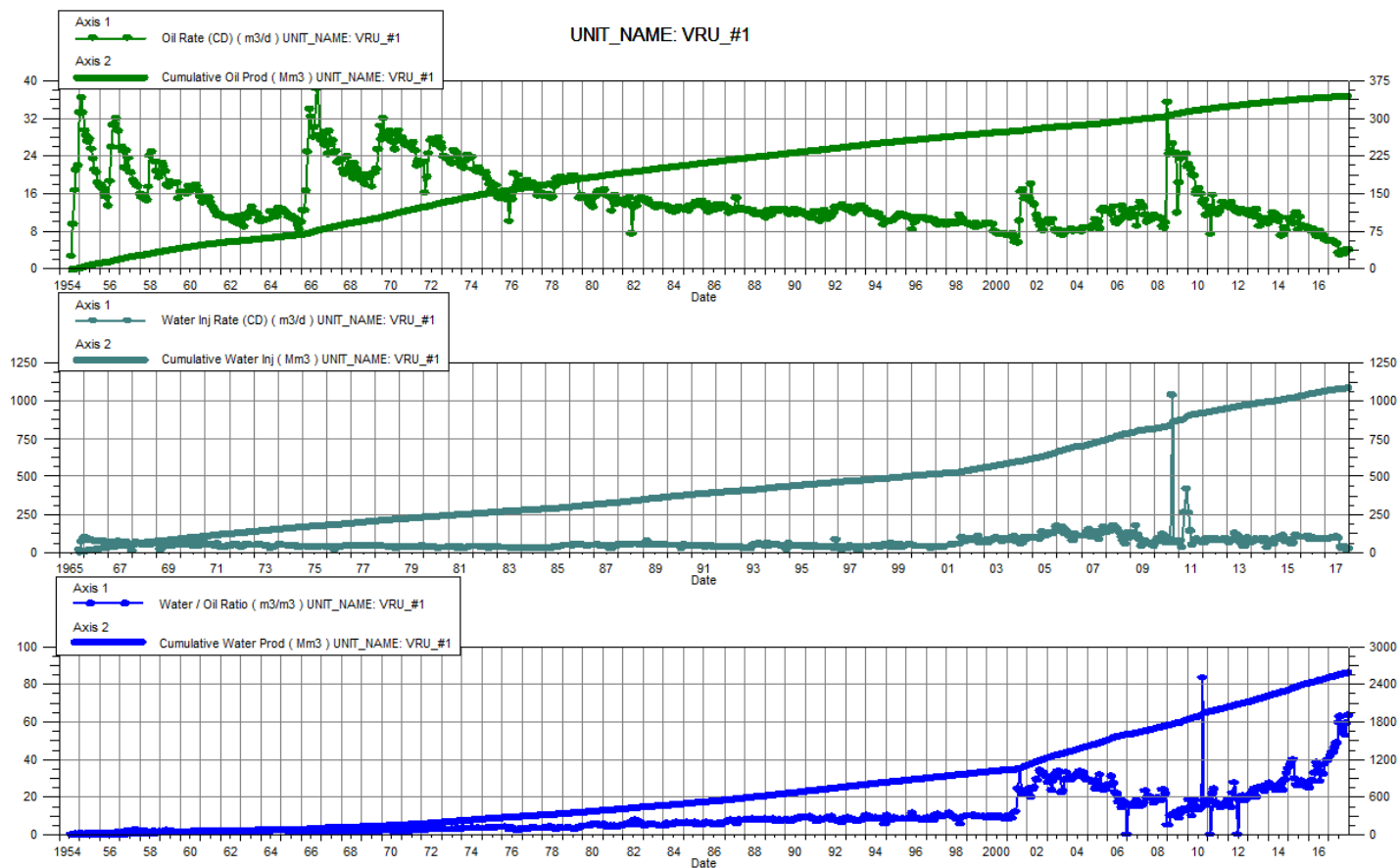


VRU No. 1

Pattern P-16 – 00/15-24-010-26W1/0

P-16 – 03/01-25-010-26W1/0

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 Replacemt Ratio	Water Inj Pressure kPa	Water Inj Pressure kPa
1-31-2017	6.14	343.42	255.46	2506.98	85.20	1070.41	41.59	0.33	0.38	6,696.77	-
2-28-2017	6.04	343.59	261.86	2514.31	86.56	1072.83	43.39	0.32	0.38	6,600.00	-
3-31-2017	5.95	343.77	261.34	2522.41	91.11	1075.66	43.93	0.34	0.37	6,590.32	-
4-30-2017	5.70	343.94	264.01	2530.33	93.52	1078.46	46.35	0.35	0.37	6,310.00	-
5-31-2017	5.41	344.11	262.95	2538.48		1078.46	48.64		0.37	6,600.00	-
6-30-2017	3.54	344.22	210.41	2544.80	101.37	1081.50	59.44	0.47	0.37	6,600.00	-
7-31-2017	3.13	344.31	195.98	2550.87	93.07	1084.39	62.63	0.47	0.37	6,600.00	-
8-31-2017	4.02	344.44	216.66	2557.59	34.58	1085.46	53.95	0.16	0.37	6,600.00	-
9-30-2017	3.60	344.54	206.56	2563.79	22.28	1086.13	57.43	0.11	0.37	6,600.00	-
10-31-2017	3.38	344.65	177.88	2569.30	35.76	1087.24	52.67	0.20	0.37	6,600.00	-
11-30-2017	4.30	344.78	253.72	2576.91	18.73	1087.80	59.01	0.07	0.37	6,600.00	-
12-31-2017	4.07	344.90	258.12	2584.91	21.58	1088.47	63.40	0.08	0.37	6,600.00	-

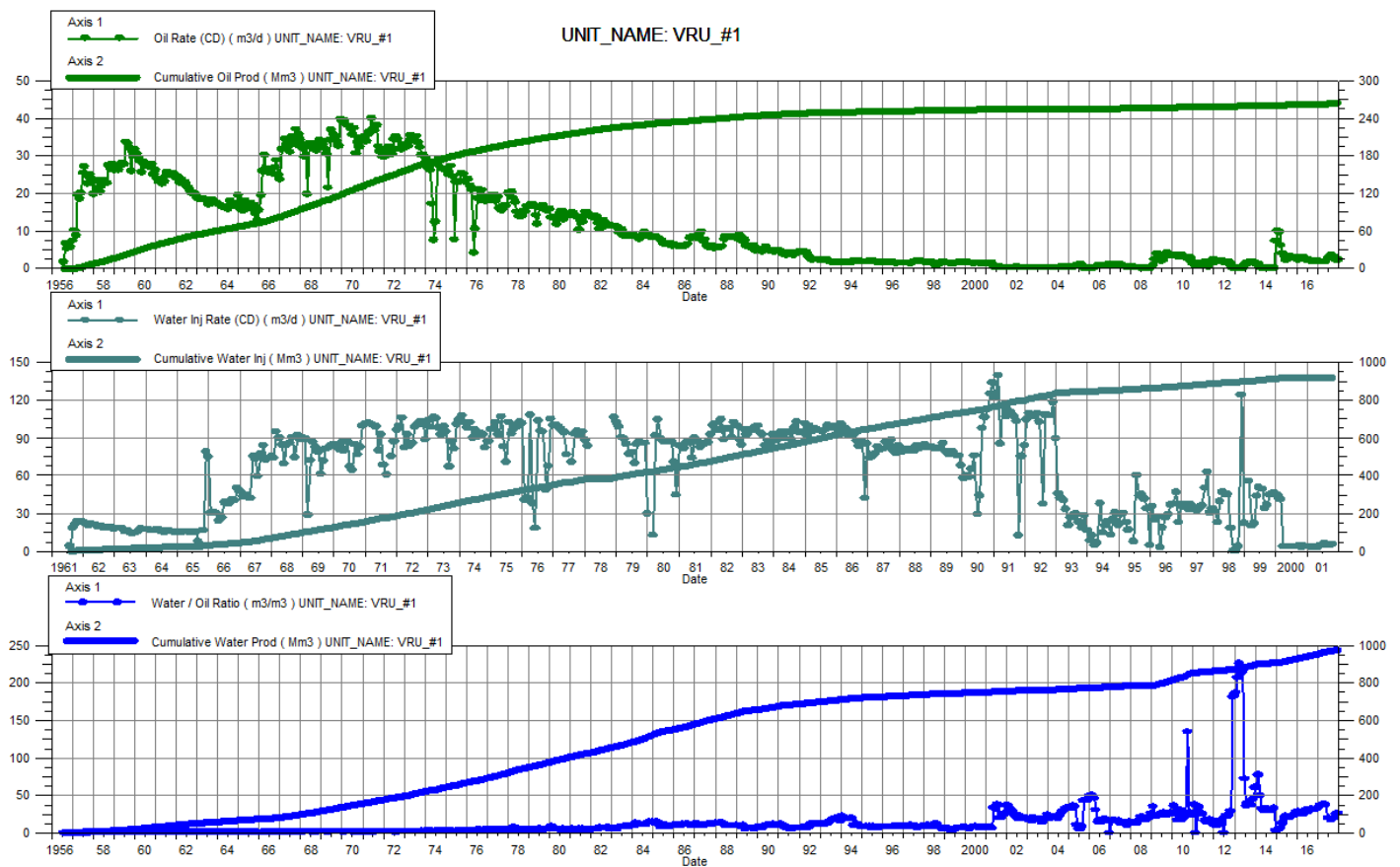


VRU No. 1

Pattern P-17 - 00/13-20-010-25W1/0 &

00/12-20-010-25W1/0

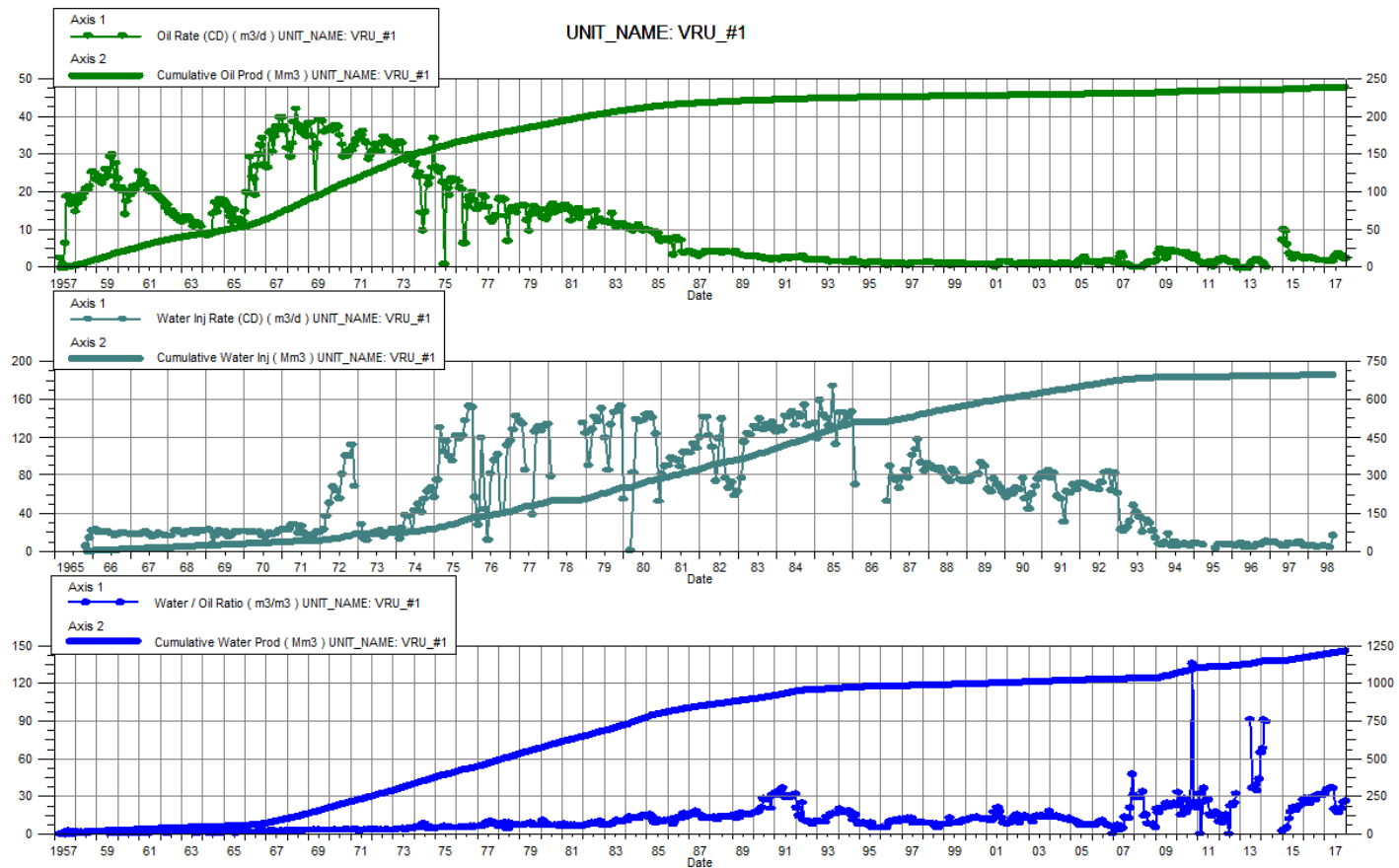
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	1.98	263.54	69.34	953.76		922.03	35.07		0.75	-
2-28-2017	1.94	263.59	71.39	955.76		922.03	36.88		0.75	-
3-31-2017	1.93	263.65	72.24	958.00		922.03	37.39		0.75	-
4-30-2017	1.89	263.71	72.19	960.17		922.03	38.20		0.75	-
5-31-2017	1.91	263.77	71.90	962.39		922.03	37.65		0.75	-
6-30-2017	2.73	263.85	55.22	964.05		922.03	20.25		0.75	-
7-31-2017	3.24	263.95	64.56	966.05		922.03	19.91		0.75	-
8-31-2017	3.75	264.07	63.44	968.02		922.03	16.91		0.75	-
9-30-2017	2.99	264.16	60.52	969.84		922.03	20.22		0.74	-
10-31-2017	2.95	264.25	59.60	971.68		922.03	20.17		0.74	-
11-30-2017	2.40	264.32	61.10	973.52		922.03	25.46		0.74	-
12-31-2017	2.34	264.40	62.09	975.44		922.03	26.55		0.74	-



VRU No. 1

Pattern P-18 - 00/15-20-010-25W1/0

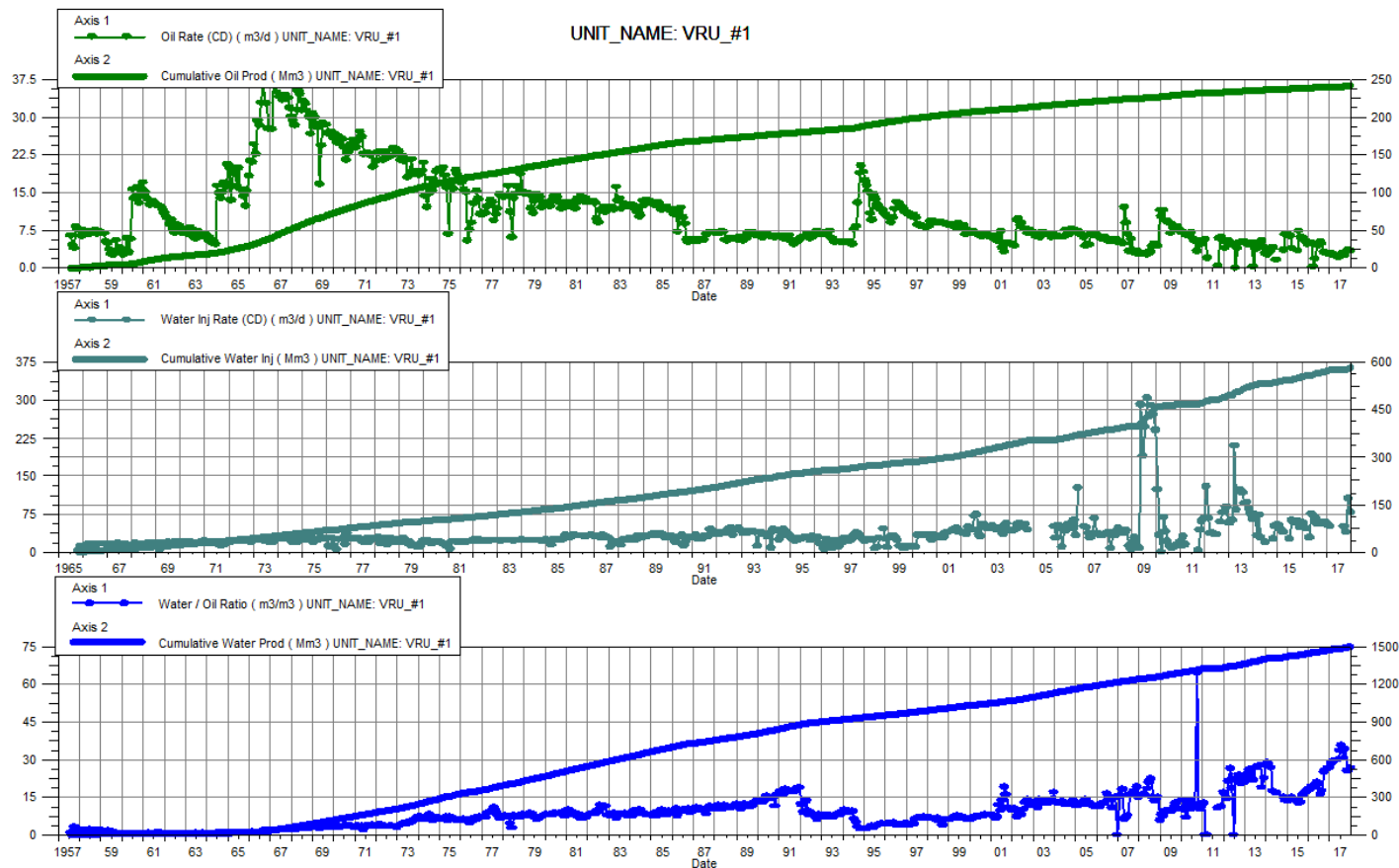
Date	Oil Rate (CD) m3/d	Cum Oil Prod Mm3	Water Rate (CD) m3/d	Cum Water Prod Mm3	Water Inj Rate (CD) m3/d	Cum Water Inj Mm3	Water Oil Ratio m3/m3	Voidage Replacement Ratio	Cum Voidage Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	1.85	238.79	63.41	1192.39		700.19	34.18		0.49	-
2-28-2017	1.83	238.84	65.33	1194.22		700.19	35.73		0.49	-
3-31-2017	1.83	238.89	66.12	1196.27		700.19	36.21		0.49	-
4-30-2017	1.78	238.95	66.01	1198.25		700.19	37.01		0.49	-
5-31-2017	1.79	239.00	65.50	1200.28		700.19	36.52		0.49	-
6-30-2017	2.71	239.08	54.38	1201.92		700.19	20.07		0.48	-
7-31-2017	3.24	239.18	64.56	1203.92		700.19	19.91		0.48	-
8-31-2017	3.75	239.30	63.44	1205.88		700.19	16.91		0.48	-
9-30-2017	2.99	239.39	60.52	1207.70		700.19	20.22		0.48	-
10-31-2017	2.95	239.48	59.60	1209.55		700.19	20.17		0.48	-
11-30-2017	2.40	239.55	61.10	1211.38		700.19	25.46		0.48	-
12-31-2017	2.34	239.63	62.09	1213.30		700.19	26.55		0.48	-



VRU No. 1

Pattern P-19 - 00/13-21-010-25W1/0

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 Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	3.00	240.86	83.92	1471.72	53.98	576.32	28.00	0.62	0.34	7,000.00
2-28-2017	2.73	240.94	79.87	1473.96	49.70	577.71	29.23	0.60	0.34	7,000.00
3-31-2017		240.94		1473.96		577.71			0.34	7,000.00
4-30-2017		240.94		1473.96		577.71			0.34	7,000.00
5-31-2017	2.18	241.00	65.50	1475.99		577.71	29.99		0.34	7,000.00
6-30-2017	2.29	241.07	76.84	1478.29		577.71	33.51		0.34	7,000.00
7-31-2017	2.45	241.15	86.93	1480.99		577.71	35.50		0.34	7,000.00
8-31-2017	2.96	241.24	89.91	1483.78		577.71	30.33		0.33	7,000.00
9-30-2017	2.64	241.32	90.66	1486.50	50.30	579.22	34.34	0.54	0.33	7,000.00
10-31-2017	3.55	241.43	90.74	1489.31	39.67	580.45	25.57	0.42	0.33	7,000.00
11-30-2017	3.62	241.54	92.19	1492.07	106.50	583.65	25.47	1.11	0.34	7,000.00
12-31-2017	3.51	241.65	93.92	1494.99	78.02	586.06	26.78	0.80	0.34	7,000.00



VRU No. 1

Pattern P-21 - 00/11-21-010-25W1/0

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 Replacemt Ratio	Water Inj Pressure kPa
1-31-2017	1.42	136.92	43.57	916.11		656.98	30.70		0.62	5,000.00
2-28-2017	1.29	136.96	41.47	917.27		656.98	32.16		0.62	5,000.00
3-31-2017		136.96		917.27		656.98			0.62	5,000.00
4-30-2017		136.96		917.27		656.98			0.62	5,000.00
5-31-2017	1.03	136.99	33.92	918.32		656.98	32.86		0.62	5,000.00
6-30-2017	1.09	137.02	37.39	919.44		656.98	34.30		0.62	5,000.00
7-31-2017	1.11	137.06	39.04	920.65		656.98	35.28		0.62	5,000.00
8-31-2017	1.31	137.10	38.33	921.84		656.98	29.34		0.62	5,000.00
9-30-2017	1.17	137.13	40.13	923.04		656.98	34.30		0.62	5,000.00
10-31-2017	1.25	137.17	36.40	924.17		656.98	29.23		0.62	5,000.00
11-30-2017	1.27	137.21	36.88	925.28		656.98	28.96		0.62	5,000.00
12-31-2017	1.23	137.25	37.57	926.44		656.98	30.49		0.62	5,000.00

