



February 24, 2015

Petroleum Branch  
360 -1395 Ellice Avenue  
Winnipeg, Manitoba  
R3G 3P2

Attn: Leo Leonen

**Re: South Pierson Unit No. 1 2014 Waterflood Progress Report**

Please find the attached 2014 Waterflood Progress Report for South Pierson Unit No.1.

If you have any questions or concerns, please contact the undersigned at (403) 386-5356.

Yours truly,

Patrick Callin, P.Eng.  
Exploitation Engineer  
Canadian Natural Resources Ltd.

**Canadian Natural Resources**

Suite 2500, 855 – 2 Street SW Calgary, Alberta, Canada T2P 4J8 T 403.517.6700 F 403.517.7350 [www.cnrl.com](http://www.cnrl.com)

## **South Pierson Unit No. 1 2014 Waterflood Progress Report**

### Section 1

a) Refer to attachments for production rate, injection rate, GOR and WORs for pool and patterns.

b) Refer to attachments for cumulative volumes of oil, gas, and water produced and injected fluids for the patterns and injected fluids.

c) Refer to attachments for wellhead injection pressures for each injection well.

d) There was no reservoir pressure surveys conducted to report for the 2014 calendar year within SPU #1.

e) Refer to attachments for South Pierson Unit # 1 well servicing summaries.

f) Refer to attachments for VRRs and Cum VRRs for the patterns and pool.

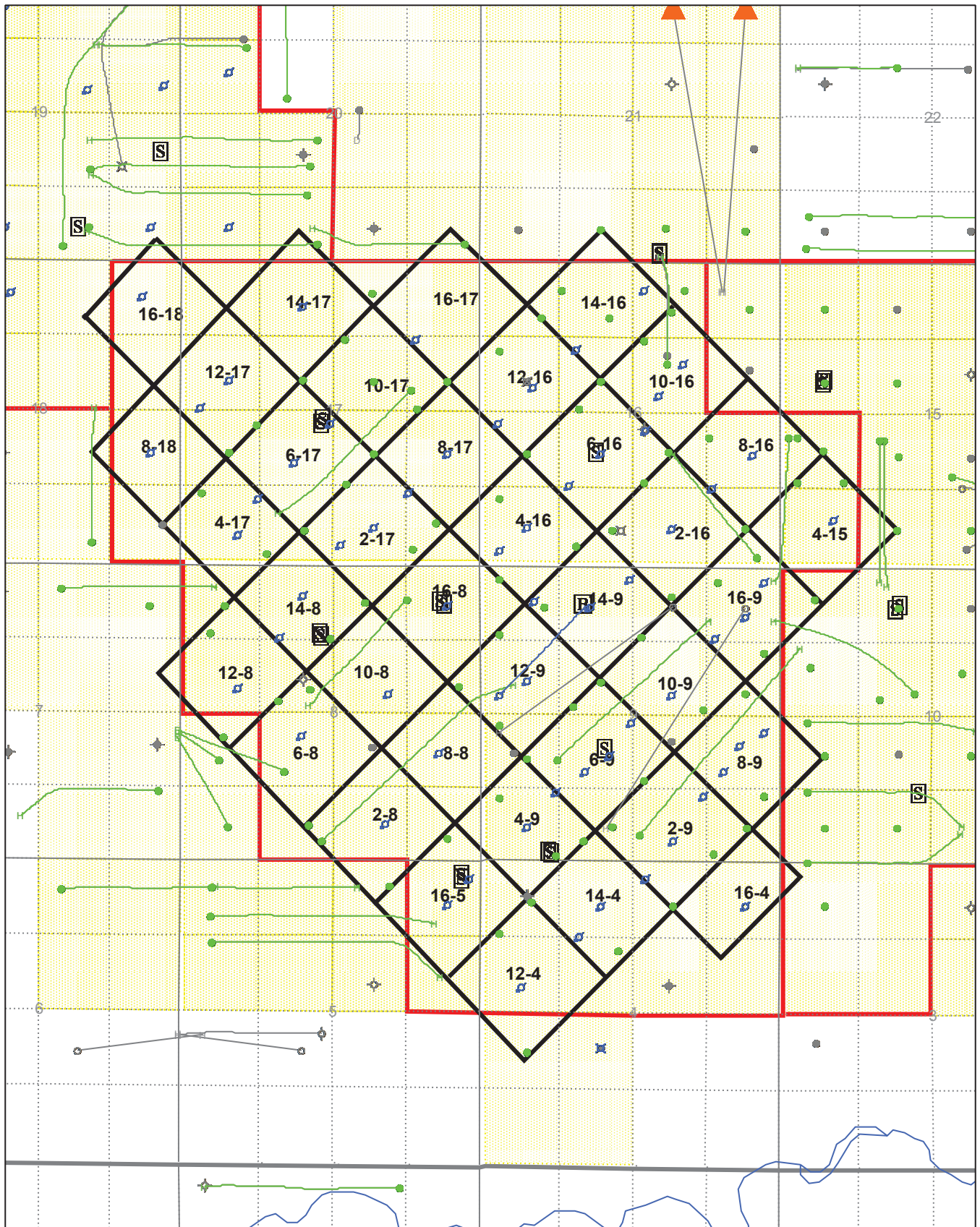
g) Produced water and source water is currently being filtered utilizing a bag-type filtration system prior to injection into Unit 1; all injection into Unit 2 has been shut in until we are able to source and inject clean water to prevent damage to injection wells.

h) In April 2013, CNRL finished the installation of a water filtration system and put the new system online and began injecting filtered water into Unit 1 and Unit 2. After some operation issues with the water filtration system, the produced water was deemed unfeasible to treat with the filtration system, CNRL decided it would be best to shut in Unit 2 injection and filter the produced water with a bag type filtration system until a solution to the water filtration requirements had been implemented. CNRL began utilizing a conventional bag-type system, which is working well. Injection rates have increased in the Unit since a number of clean outs and workovers on injection wells had been completed.

i) There have been no other changes to the expected recovery for the Unit since the last report. CNRL is trying to improve the injectivity into the Spearfish formation, and conducted a number of workovers on injection wells and converted some wells to injectors in order to improve the injection rates in the Unit and to improve the effectiveness of the waterflood. CNRL drilled 2 horizontal infill producers within the unit in 2014. Four vertical wells were converted to injection wells in Unit 1 offsetting the 104/05-09-002-29W1 horizontal well to improve pressure maintenance. CNRL will continue to evaluate infill drilling opportunities within SPU 1 as there could be potential for more infill drilling within the unit.

## **List of Appendices**

1. Map of Unit 1 Patterns
2. Group Plot of Unit Production, Injection, Ratios and VRRs
3. Group Plot of Unit Cumulative Production, Injection
4. Tabular Data of Unit Production, Injection, Ratios and VRRs
5. List of Well Servicing Activity
6. Pattern Production, Injection, Ratios and VRRs
7. Pattern Cumulative Production, Injection
8. Tabular Data of Pattern Production, Injection, Ratios and VRRs
9. Injection Well Plots of Daily Rates and Pressures
10. Tabular Data of Injection Well Rates and Pressures

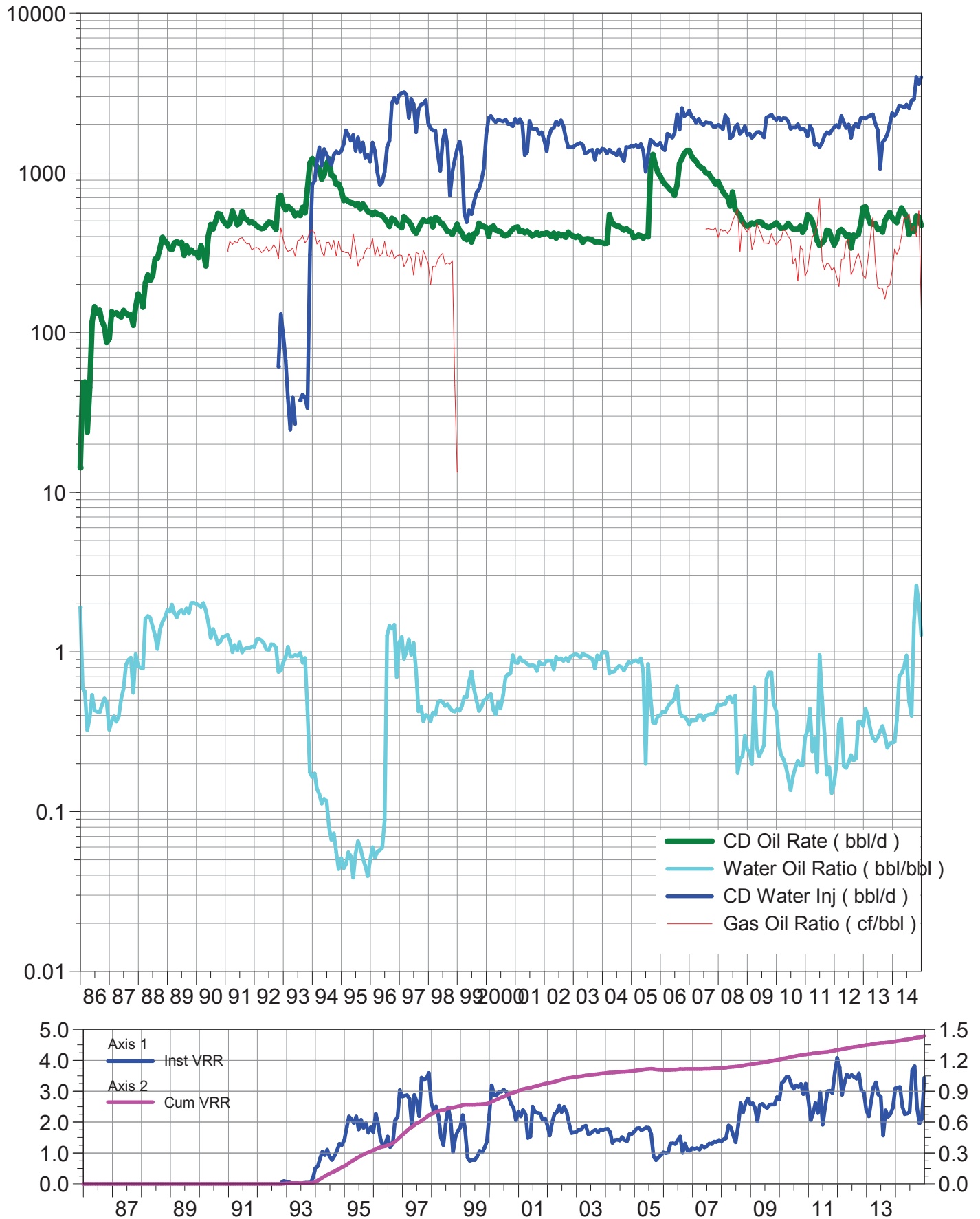


Datum: NAD27 Projection: Stereographic DLS Version AB: ATS 2.6, BC: PRB 2.0, SK: STS 2.5, MB: MLI07



# South Pierson Unit No. 1 Overall Calendar Day Production

Cumulative Oil Prod : 5401.50 Mbbl



# Completions Selected (151)

Axis 1 Completions Selected (151)

Cumulative Oil Prod ( Mbbl )

Cumulative Liquid Prod ( Mbbl )

Cumulative Water Prod ( Mbbl )

Cumulative Water Inj ( Mbbl )

Axis 2

Cumulative Gas Prod ( MMcf )

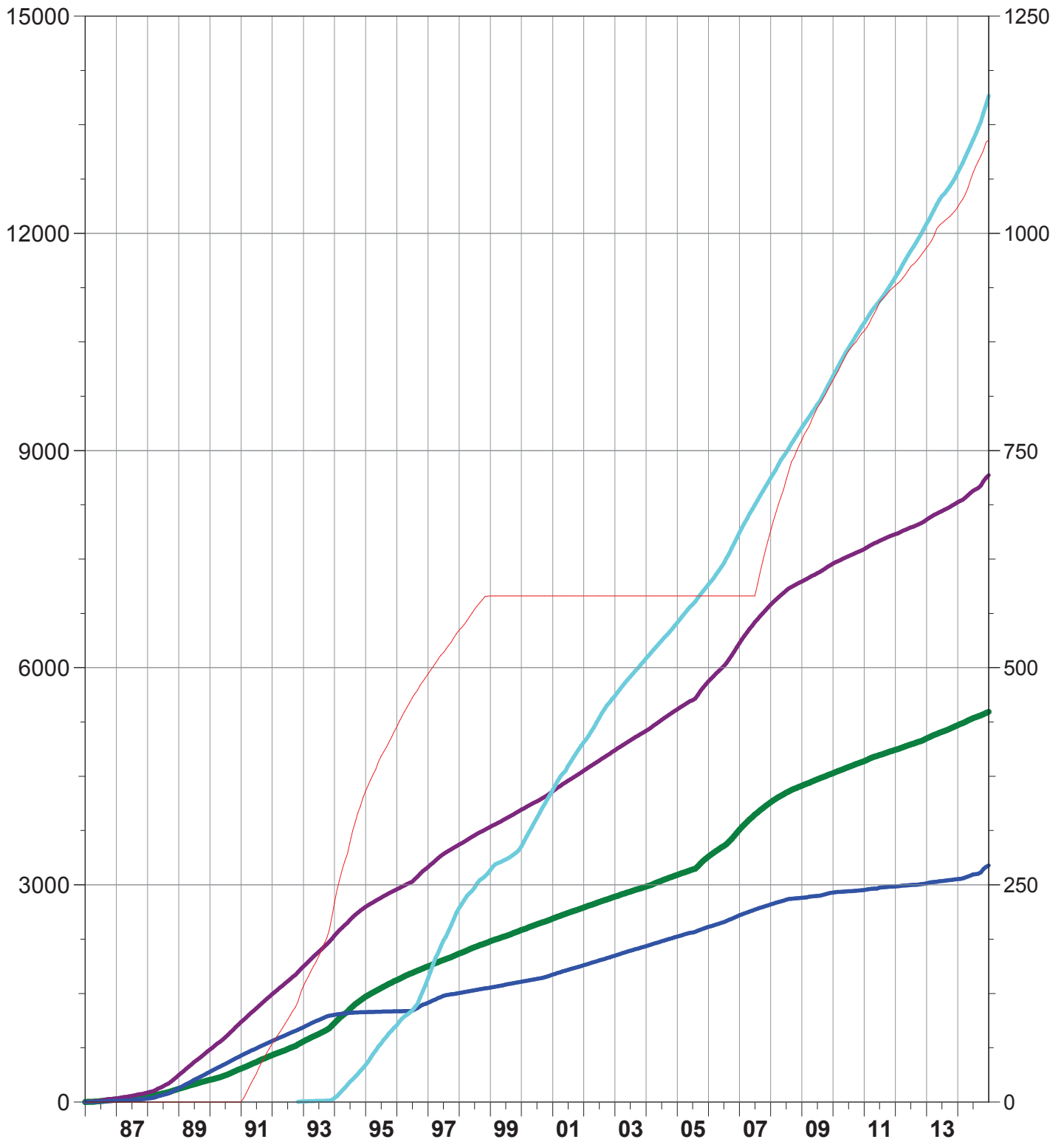
Cumulative Oil Prod : 5020.43 Mbbl

Cumulative Liquid Prod : 8041.05 Mbbl

Cumulative Water Prod : 3020.63 Mbbl

Cumulative Water Inj : 12125.62 Mbbl

Cumulative Gas Prod : 983.17 MMcf



[illegible]



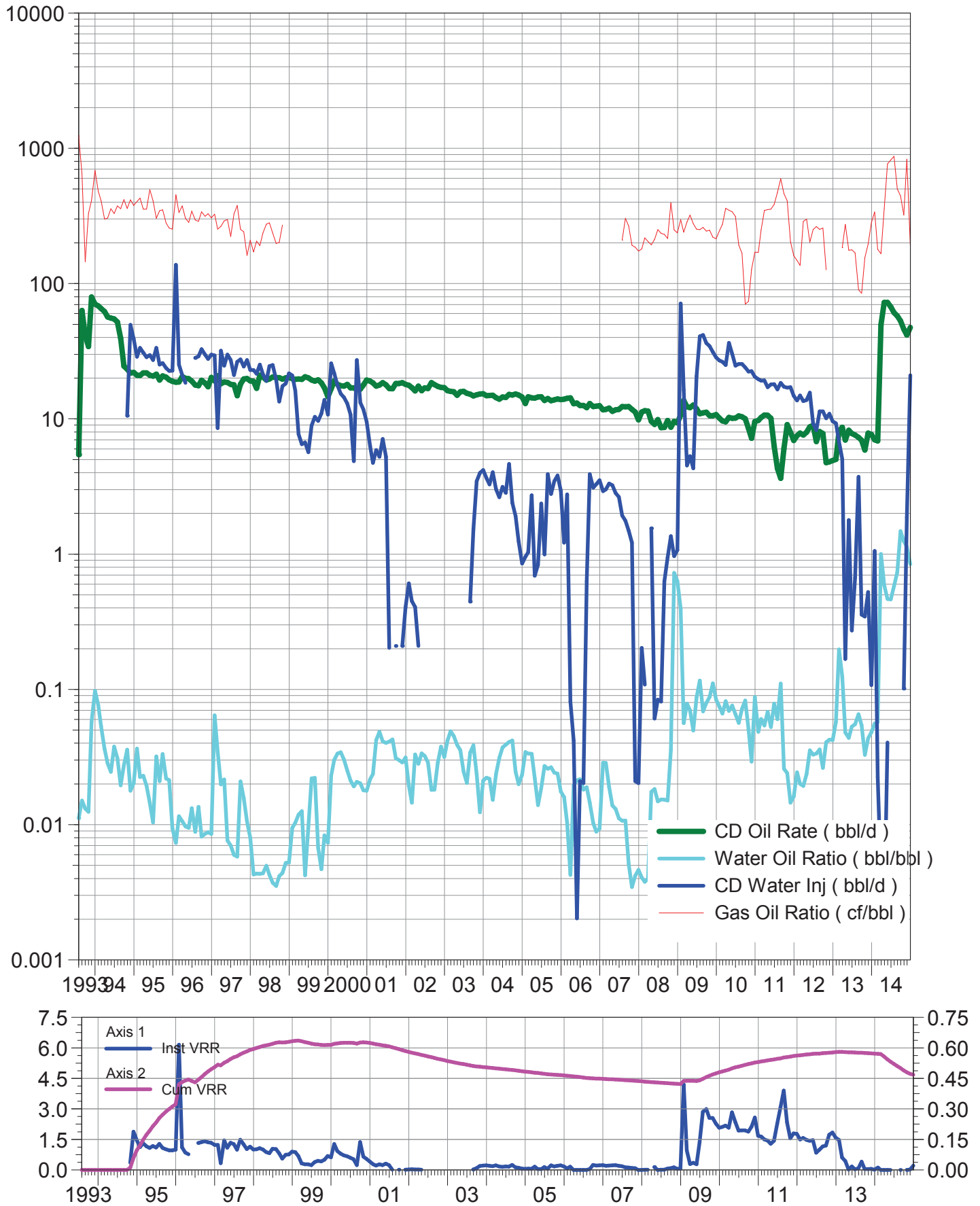
## 2014 Pierson Well Servicing

Well Name	Unit	Job Type	Job Start Date	Job End Date	Summary
CNRL SOUTH PIERSON UNIT NO. 1 4C-9-2-2	1	Pump Repair	1/13/2014	1/17/2014	Hot water & DT-45 tbg and rods. Change out failed BHP. Pump sand off. Circulated sand clean. Pulled tbg inspection 70-yellow, 12-blue, 2-green and 23-red. Replaced red with new. Changed BHP and P.W.O.P.
CNRL PIERSON 9-16-2-29	1	Pump Repair	1/17/2014	1/20/2014	Hot water, DT-45 rods and tbg. Change failed BHP. Put well on production.
CNRL SOUTH PIERSON UNIT NO 1 3B-17-2-2	1	Pump Repair	1/20/2014	1/21/2014	Exchange failed BHP. Hot water (DT-45) tbg and rods. Put well on production.
HOME S. PIERSON UNIT NO1 WIW 14-9-2-2	1	Add Perfs	2/26/2014	3/7/2014	Perforate and acidize Alida Formation for commingled injection with Spearfish for salt water disposal.
CNRL PIERSON UNIT 3A-16-2-29 WSW	1	Add/Reperf	3/8/2014	3/14/2014	Workover. Add new perf's and acidize. Install ESP and ready for power
HOME S. PIERSON UNIT NO1 WIW 8-9-2-29	1	Logging	3/22/2014	4/16/2014	Move Weatherford Wireline/ related serv. to location, preform RA Tracer Survey on injector & confirm results. Rig out/ release equip. & return injector to serv.
CNRL PIERSON UNIT 13-9-2-29	1	Conversion	8/2/2014	8/11/2014	Drill out retainer and cement, add additional perfs to the lower Amaranth-mission Canyon 3b unitized zone. Acidize new perf's. Prep well for injection.
SOUTH PIERSON UNIT NO 1 HZNTL 5-15-2-2	1	Tubing Repair	8/11/2014	8/12/2014	Hot water (DT-45) tbg and rods. Tbg inspection 78-yellow,11-blue, 4-green, 25-red. Changed BHP and put well on production.
SOUTH PIERSON UNIT NO. 1 HZNTL 5-9-2-2	1	Clean-out	8/13/2014	8/18/2014	Pump change and solids cleanout with tubing.
CNRL S. PIERSON UNIT NO 1 WIW 8-8-2-29	1	Clean-out	9/13/2014	9/13/2014	Ran coil to 1035mKB, hotwatering @ same time, no obstructions. Treated perfs with 2m3 Nano solvent & 3m3 AR Acid. Pulled Coil out of hole. Shut in well. Purged coil. RO Bandit coil & released all services. Notified operator to leave well shut in for 48hrs.
SOUTH PIERSON UNIT NO. 1 15-17-2-29	1	Hole in Tubing	9/12/2014	9/14/2014	Hot DT-45 ( 200 liters with16.- m3 water ) tbg and rods. Inspected tbg, 71 - yellow, 35 - red, Hole in # 105 Replaced red with new.Changed BHP and P.W.O.P.
CNRL SOUTH PIERSON UNIT NO 1 1B-17-2-	1	Pump Repair	9/14/2014	9/15/2014	Perform hot water/ DT-45 treatment. Exchange failed BHP. Put well on production
CNRL SOUTH PIERSON UNIT NO 1 16C-9-2-2	1	Pump Repair	9/15/2014	9/16/2014	Hot water (DT-45) rod's & tbg. Exchange failed BHP. Put well on production.
SOUTH PIERSON UNIT NO 1 A8-9-2-29	1	Clean-out	10/27/2014	10/27/2014	Coil Clean out, wax solvent and acid stim with Nano dissolve and aqua treatment
SOUTH PIERSON UNIT NO 1 8B-9-2-29	1	Perf Wash	10/28/2014	10/28/2014	Coil Clean out, wax solvent and acid stim with Nano dissolve
SOUTH PIERSON UNIT NO 1 6B-9-2-29	1	Clean-out	10/29/2014	10/29/2014	Coil Clean out, wax solvent and acid stim with Nano dissolve
S. PIERSON UNIT NO. 1 HZNTL 12-9-2-29	1	Perf Wash	10/30/2014	10/30/2014	Coil Clean out, wax solvent and acid stim with Nano dissolve
HOME S. PIERSON UNIT NO1 2-17-2-29	1	Packer Repair	11/12/2014	11/13/2014	Repaired failed packer. Pressure test was witnessed by Manitoba Pet. Brach Waskada ( Loren Barsness )
CNRL S. PIERSON UNIT NO1 2-8-2-29	1	Clean-out	11/23/2014	11/24/2014	Coil Clean out, wax solvent and acid stim
HOME S. PIERSON UNIT NO1 2-9-2-29	1	Clean-out	11/24/2014	11/24/2014	Coil Clean out, wax solvent and acid stim
HOME S. PIERSON UNIT NO1 16-4-2-29	1	Clean-out	11/25/2014	11/25/2014	Coil Clean out, wax solvent and acid stim
HOME S. PIERSON UNIT NO1 4-9-2-29	1	Add Perfs	11/26/2014	11/27/2014	Job went as planned, Set new Nickle coated Tryton TX-8 packer,
SOUTH PIERSON UNIT NO 1 B16-9-2-29	1	Clean-out	12/6/2014	12/6/2014	Coil Clean out, wax solvent and acid stim with Nano dissolve
HOME S PIERSON UNIT NO.1 15-9-2-29	1	Conversion	12/4/2014	12/6/2014	Converted well to water injection, ran coated pkr & fiberglass, acidized well with 3m3 oilsafe acid
SOUTH PIERSON UNIT NO 1 PROV 16D-5-2-	1	Clean-out	12/7/2014	12/7/2014	Coil Clean out, wax solvent and acid stim with Nano dissolve
HOME S. PIERSON UNIT NO.1 14-4-2-29	1	Clean-out	12/8/2014	12/8/2014	Coil Clean out, wax solvent and acid stim
SOUTH PIERSON UNIT NO. 1 A15-9-2-29	1	Conversion	12/7/2014	12/8/2014	Converted well to water injection, ran coated tbg from 16-9-2-29 W1.
SOUTH PIERSON UNIT NO 1 PROV 14B-4-2-	1	Clean-out	12/9/2014	12/9/2014	Coil Clean out, wax solvent and acid stim with Nano dissolve
CNRL S PIERSON UNIT NO. 1 5-9-2-29	1	Conversion	12/8/2014	12/17/2014	Surface productions, Drill out cement retainer and cement @ 1036.5mKB add additional pers to the lower Amaranth-mission Canyon 3B unitized zone Acidize new perfs Equip well for injection
CNRL SOUTH PIERSON UNIT NO 1 10A-9-2-2	1	Rod Repair	12/18/2014	12/18/2014	Pulled rods and BHP, all looked fine, must have been a wax issue.
CNRL S. PIERSON UNIT NO1 16-9-2-29	1	Conversion	12/6/2014	12/20/2014	performed hot water wash, replaed polish rod
SOUTH PIERSON UNIT 1 A5-15-2-29	1	Rod Repair	12/21/2014	12/21/2014	Convert well from SPRF injector to to Tilston water source well.
CNRL SOUTH PIERSON UNIT NO. 1 11B-9-2	1	Conversion	12/19/2014	12/23/2014	Pulled rods and BHP, all looked fine, must have been a wax issue.
CNRL S PIERSON UNIT NO. 1 11-9-2-29	1	Conversion	12/9/2014	1/12/2015	performed hot water wash, replaed polish rod
					Convert Spearfish producing well to water flood Spearfish injection well for pressure maintenance.
					Abandon Alida & turn Spearfish into water injection



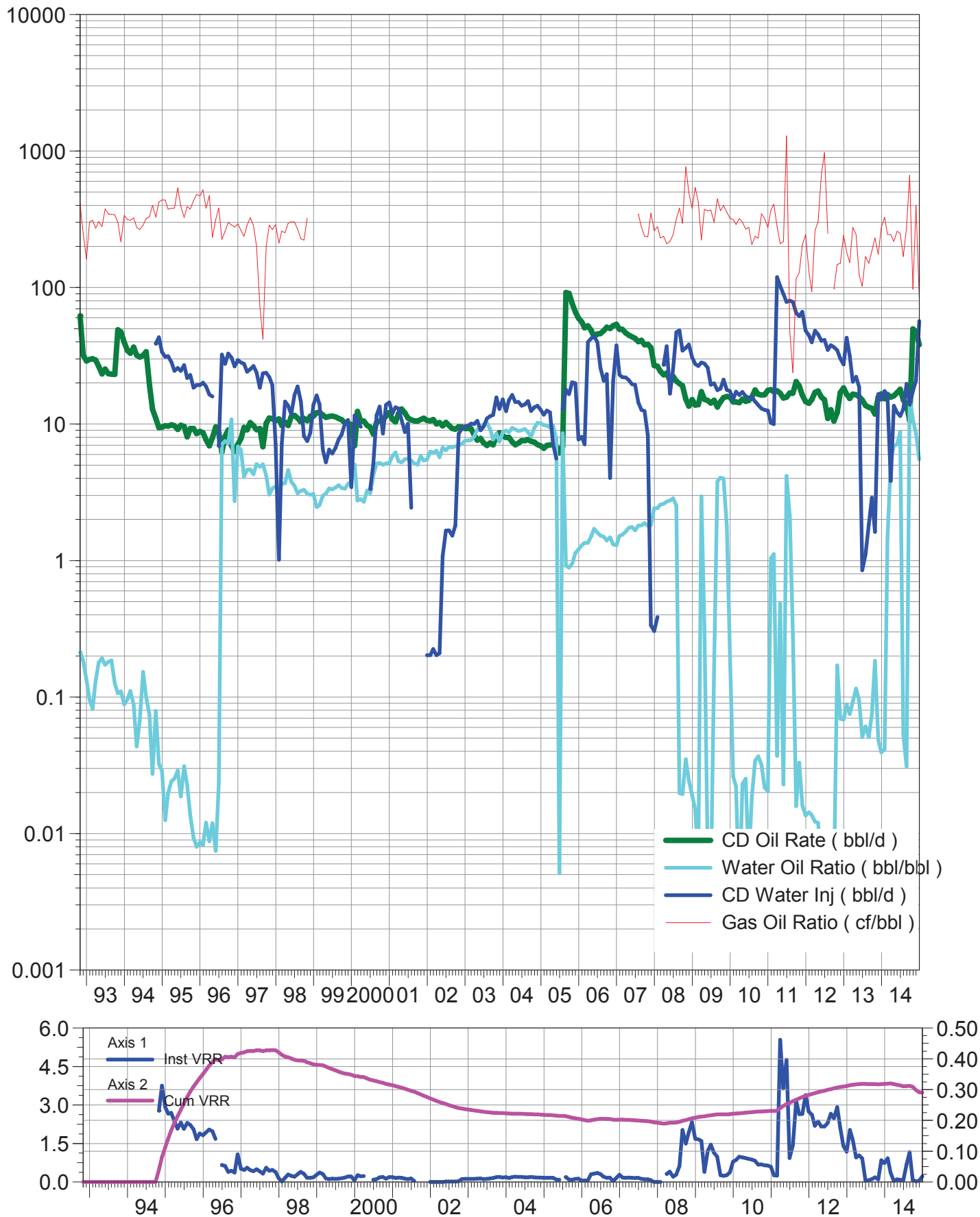
# Calendar Day Production for Pattern: 02-08 Set: SPU 1

Cumulative Oil Prod : 143.98 Mbbl



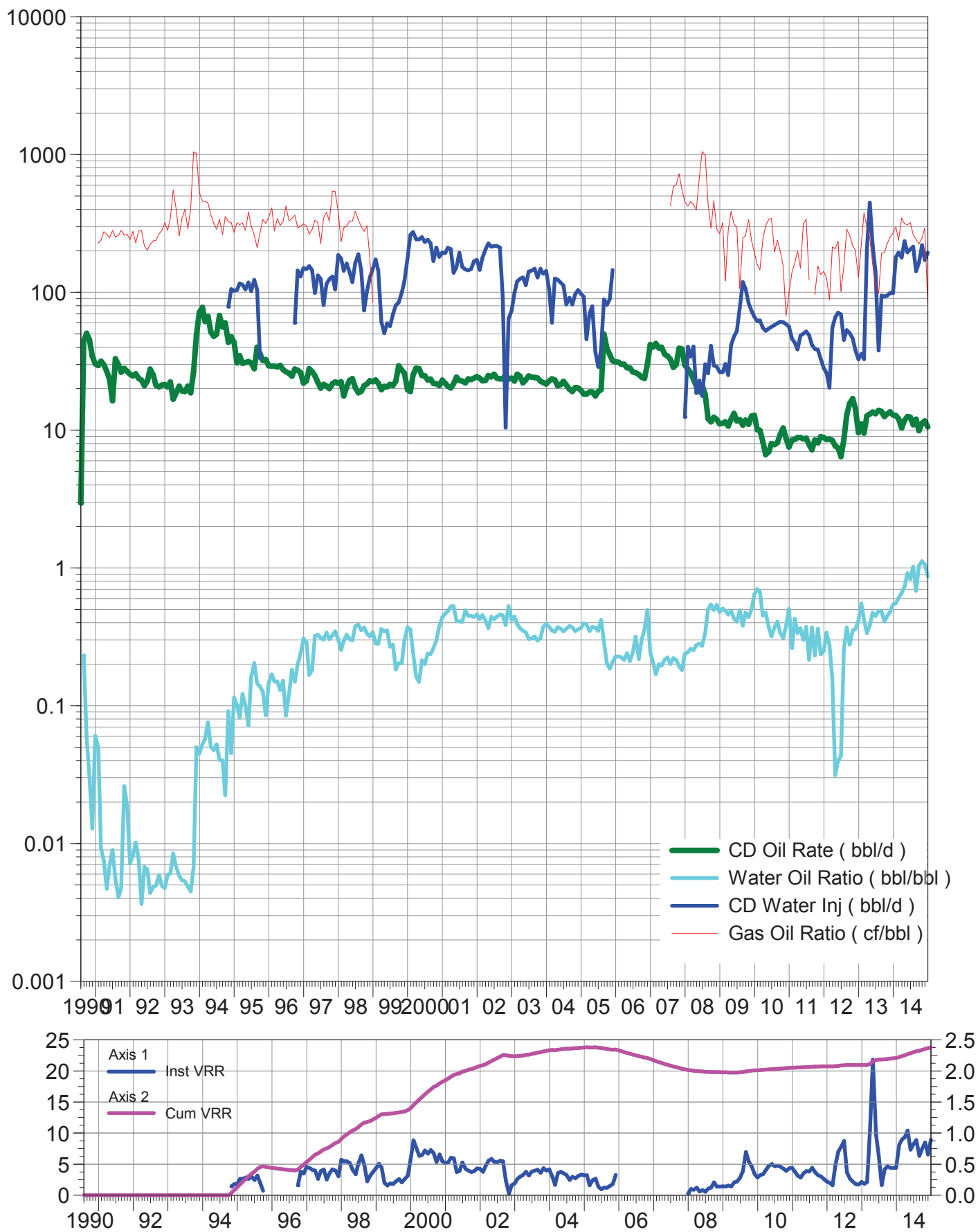
# Calendar Day Production for Pattern: 02-09 Set: SPU 1

Cumulative Oil Prod : 149.78 Mbbl



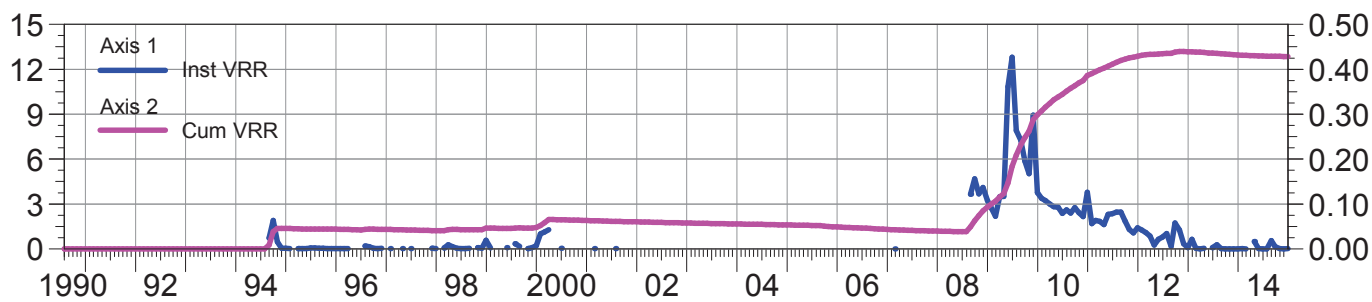
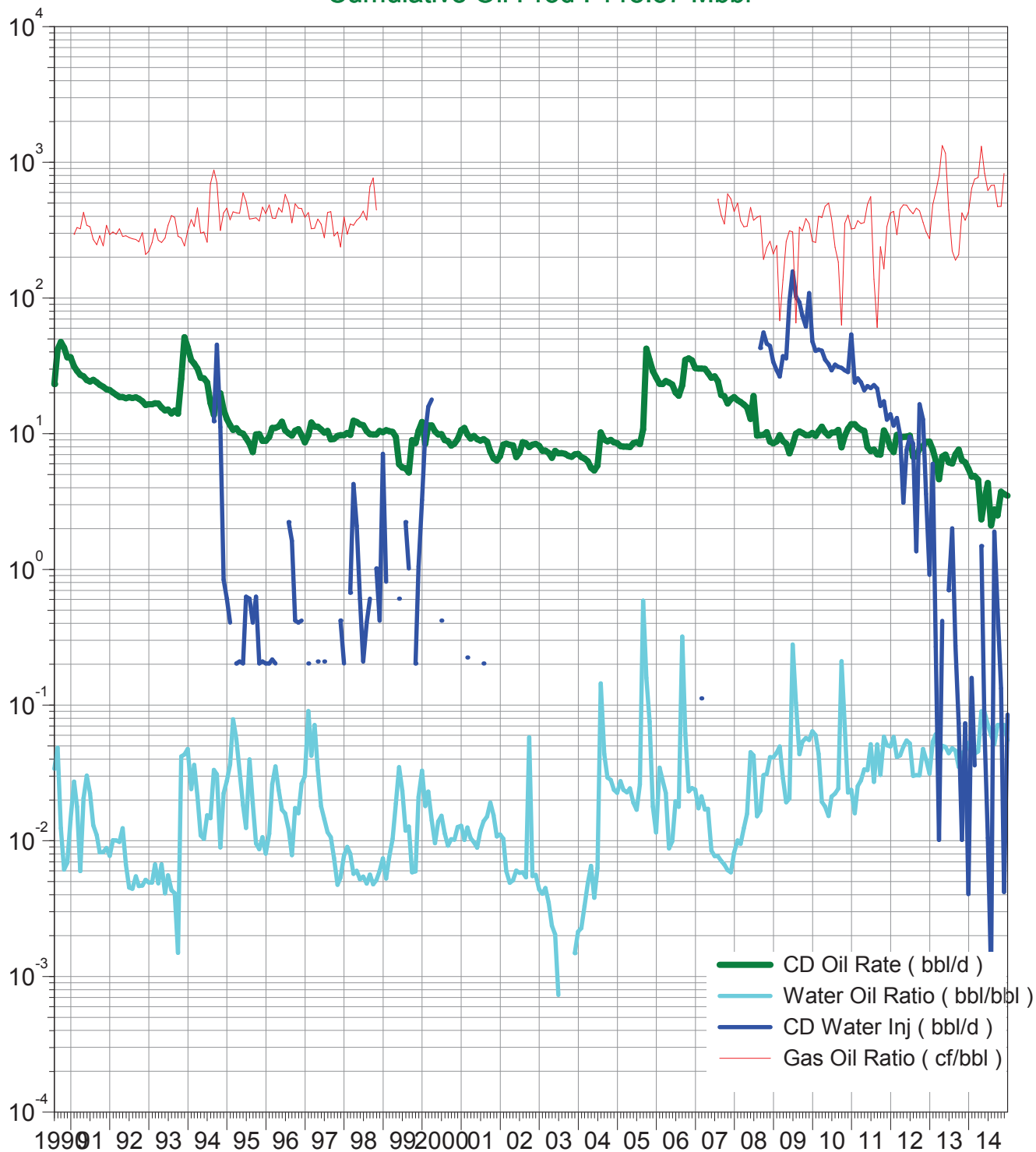
# Calendar Day Production for Pattern: 02-16 Set: SPU 1

Cumulative Oil Prod : 206.39 Mbbl



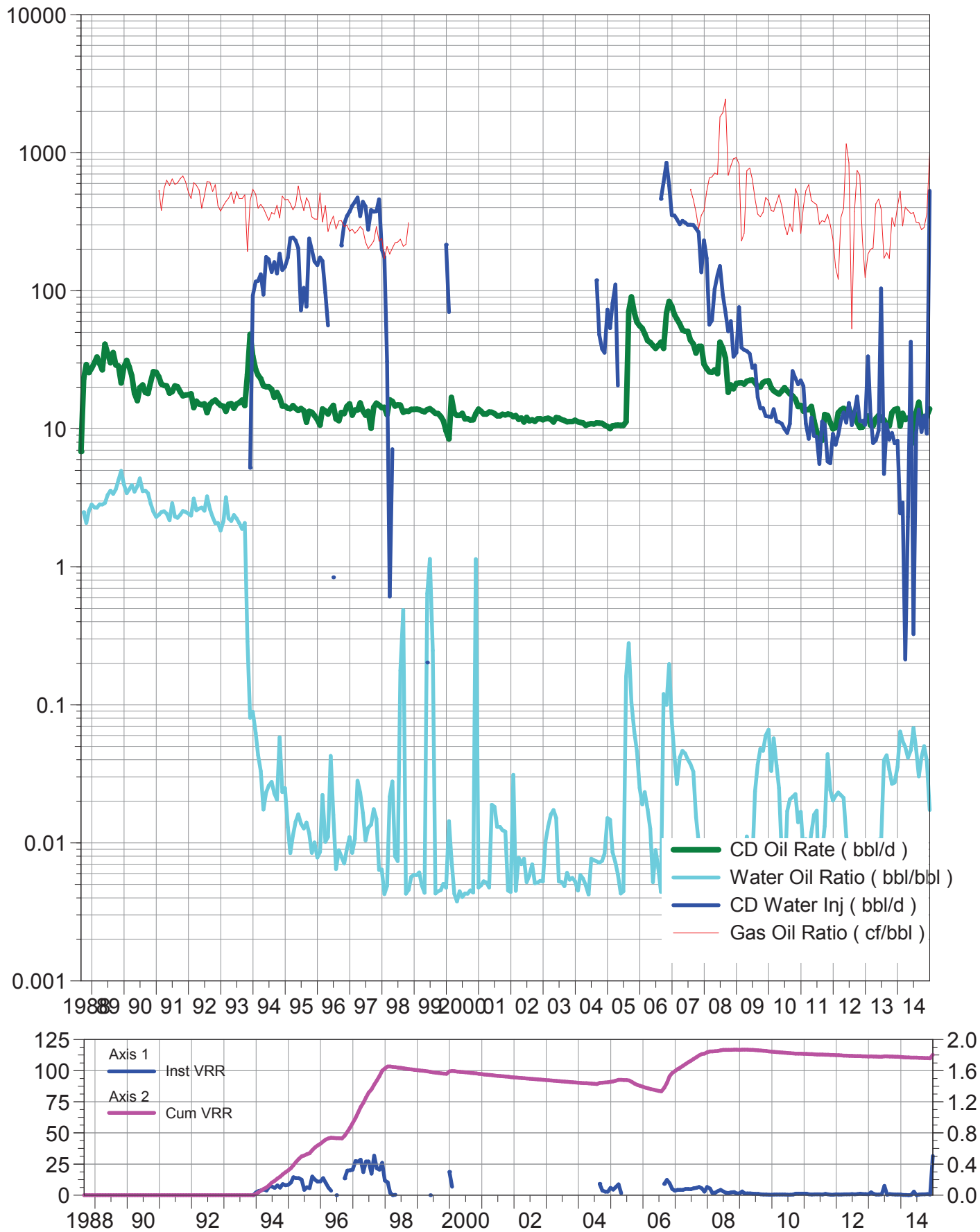
# Calendar Day Production for Pattern: 02-17 Set: SPU 1

Cumulative Oil Prod : 118.37 Mbbl



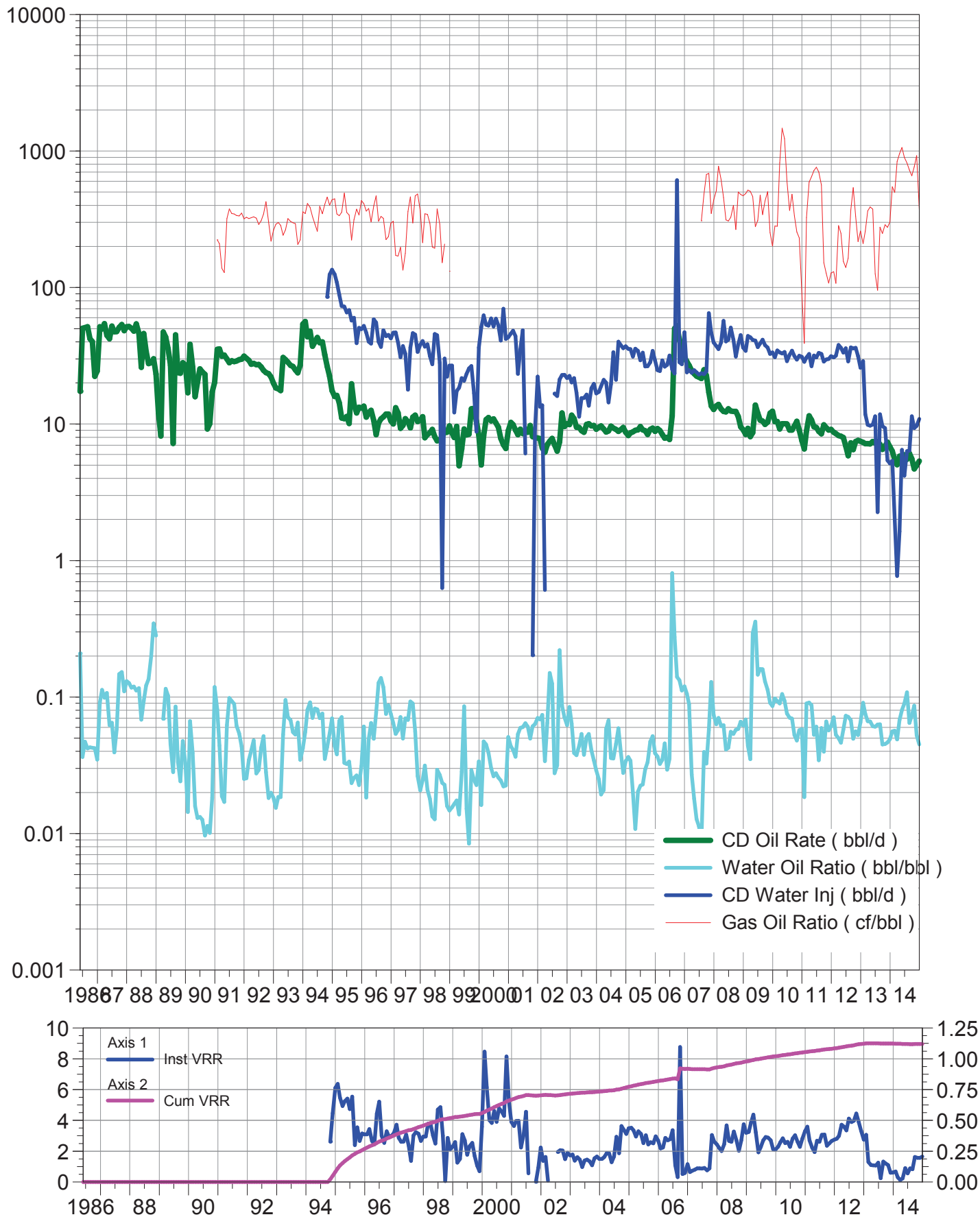
# Calendar Day Production for Pattern: 04-09 Set: SPU 1

Cumulative Oil Prod : 187.21 Mbbl



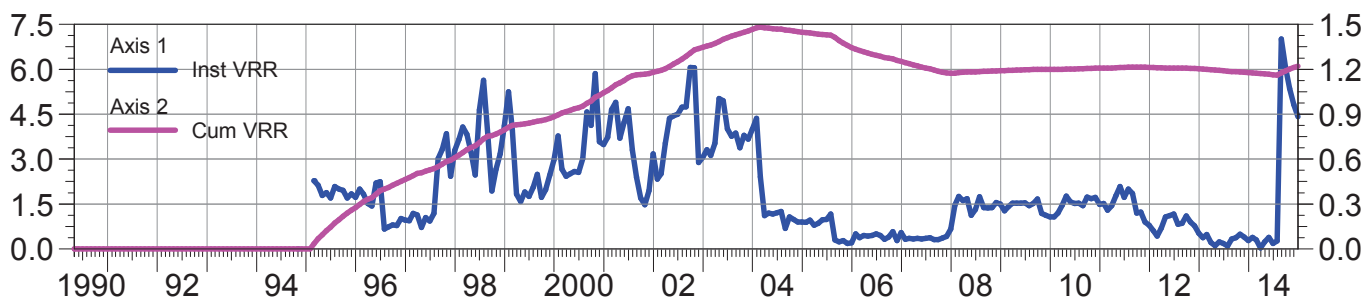
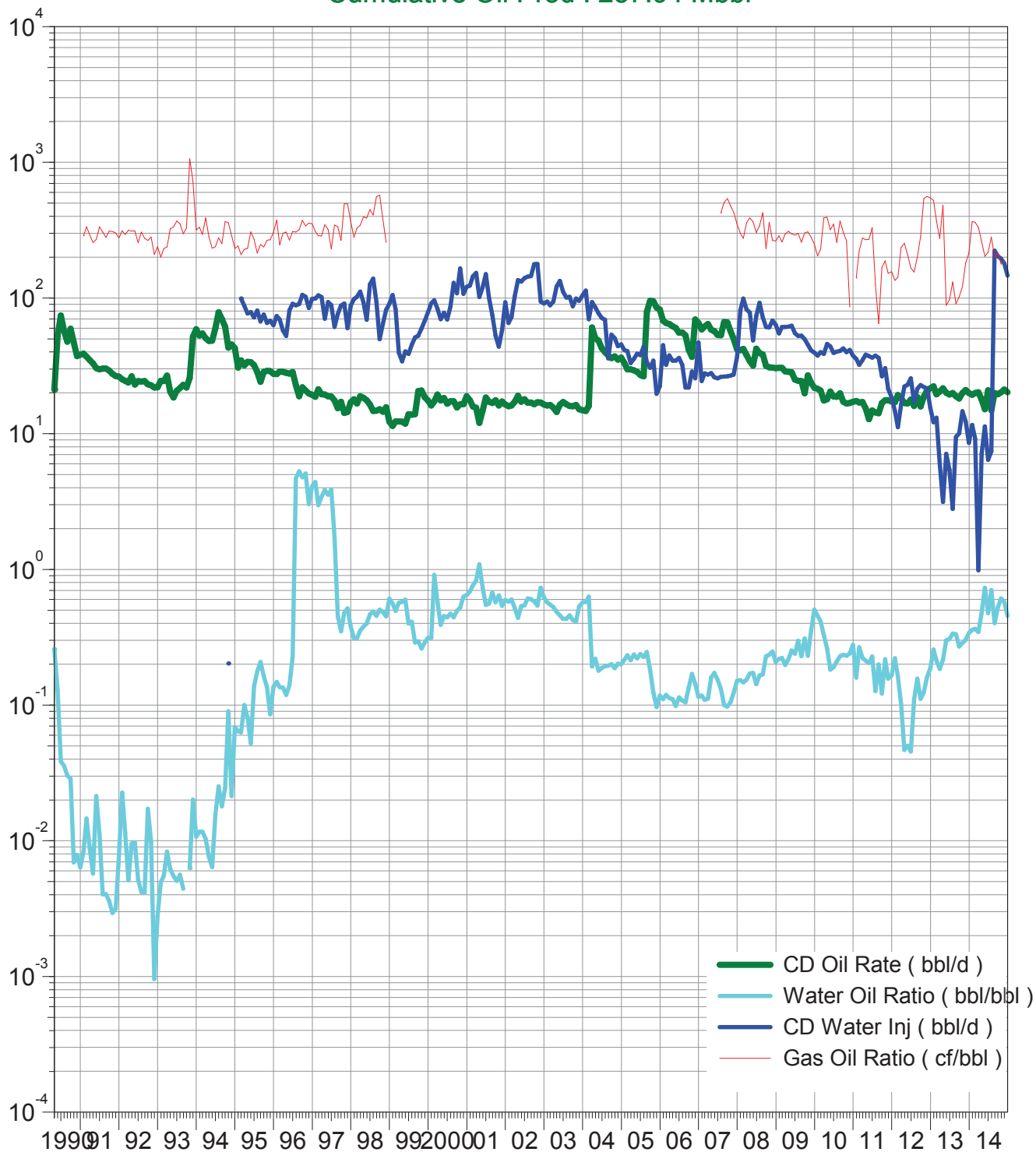
# Calendar Day Production for Pattern: 04-15 Set: SPU 1

Cumulative Oil Prod : 181.02 Mbbl



# Calendar Day Production for Pattern: 04-16 Set: SPU 1

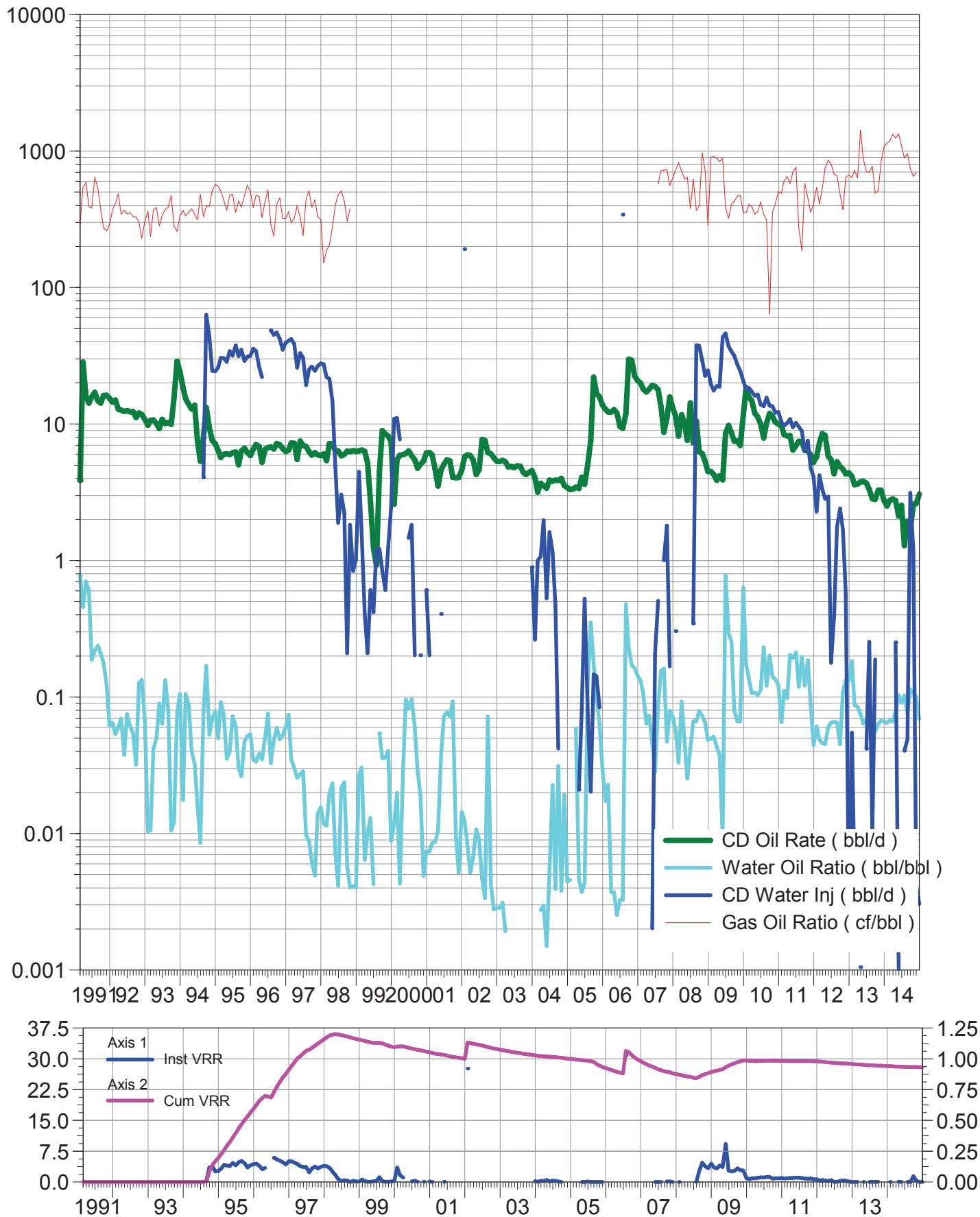
Cumulative Oil Prod : 257.94 Mbbl





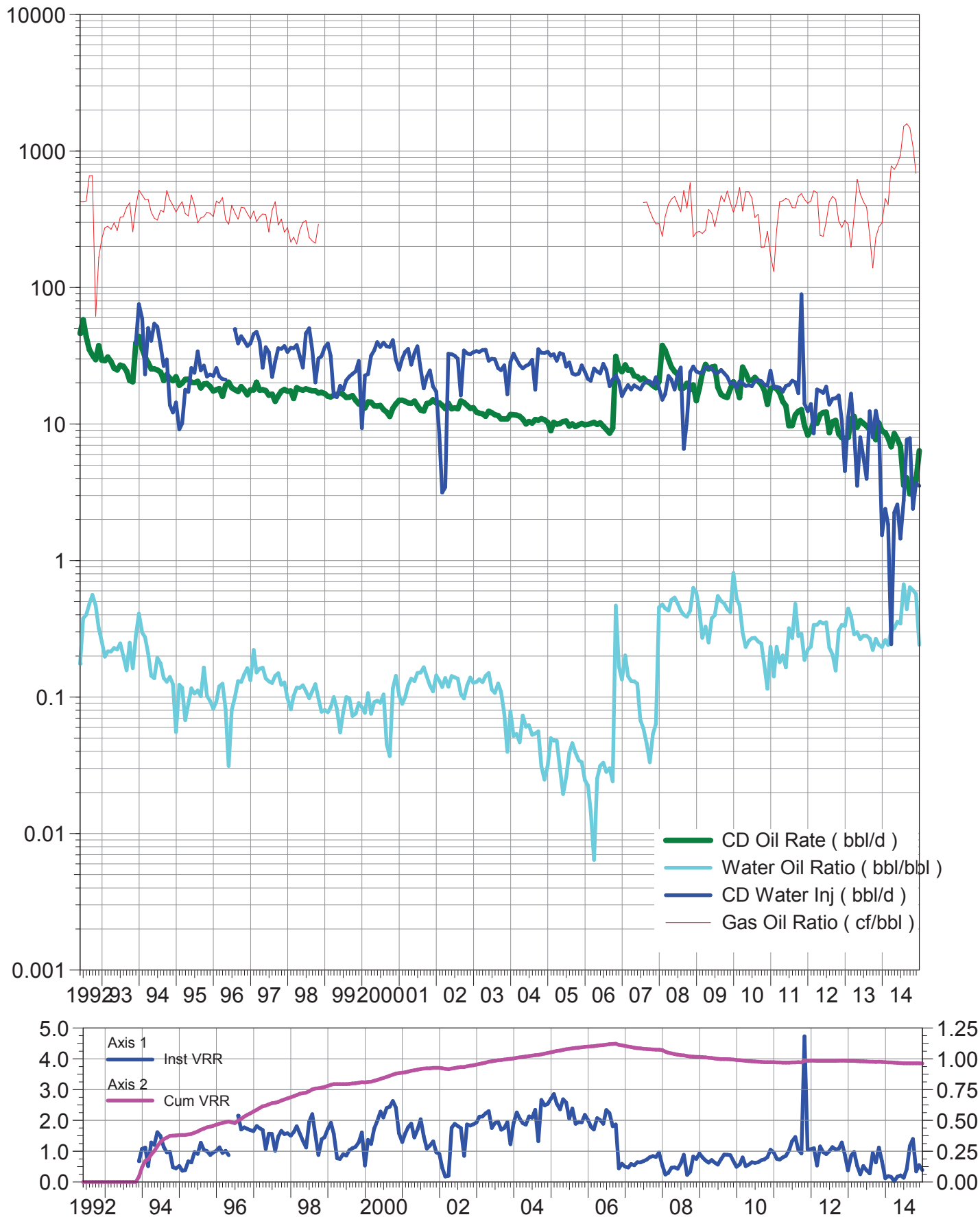
# Calendar Day Production for Pattern: 04-17 Set: SPU 1

Cumulative Oil Prod : 70.86 Mbbl



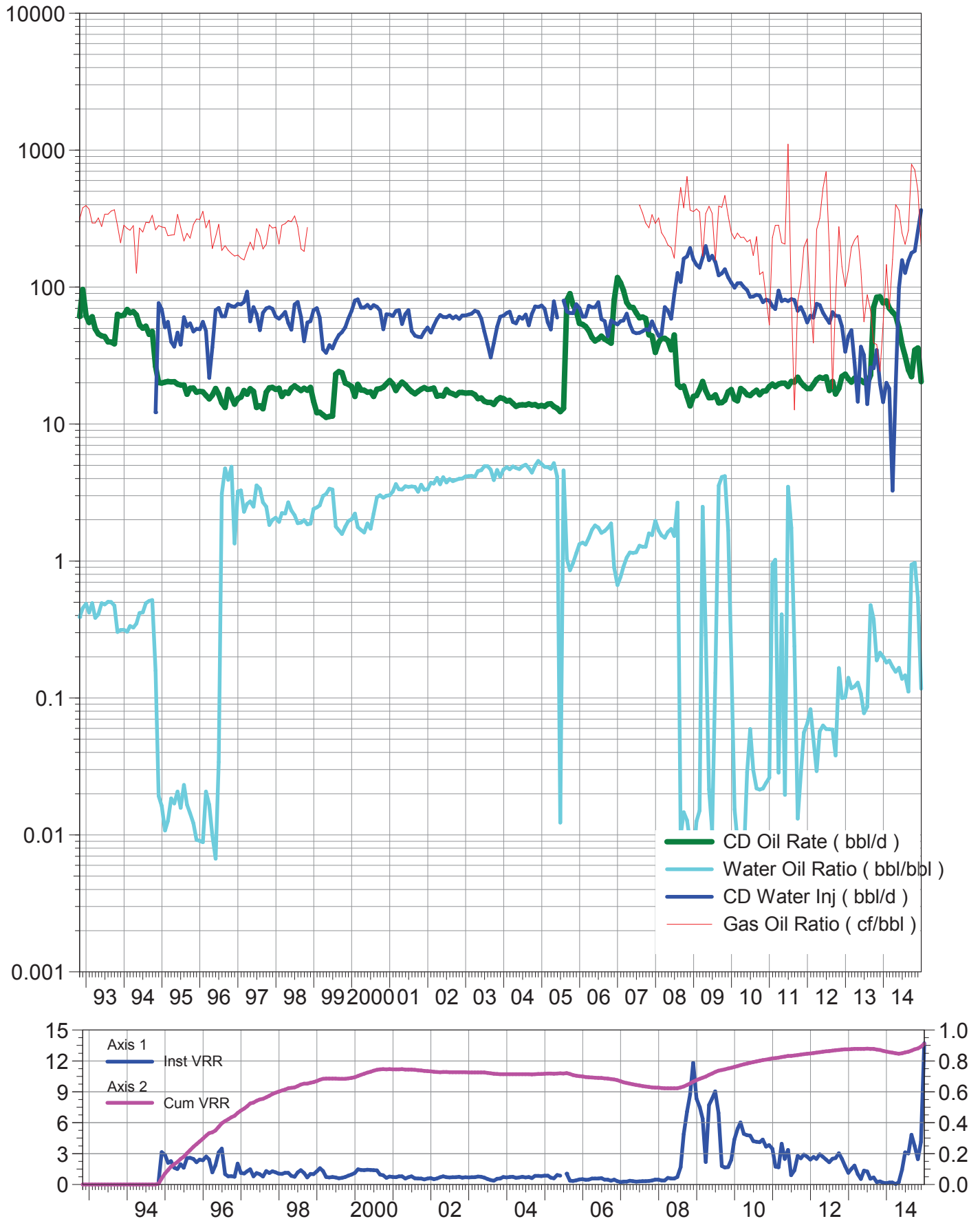
# Calendar Day Production for Pattern: 06-08 Set: SPU 1

Cumulative Oil Prod : 139.01 Mbbl



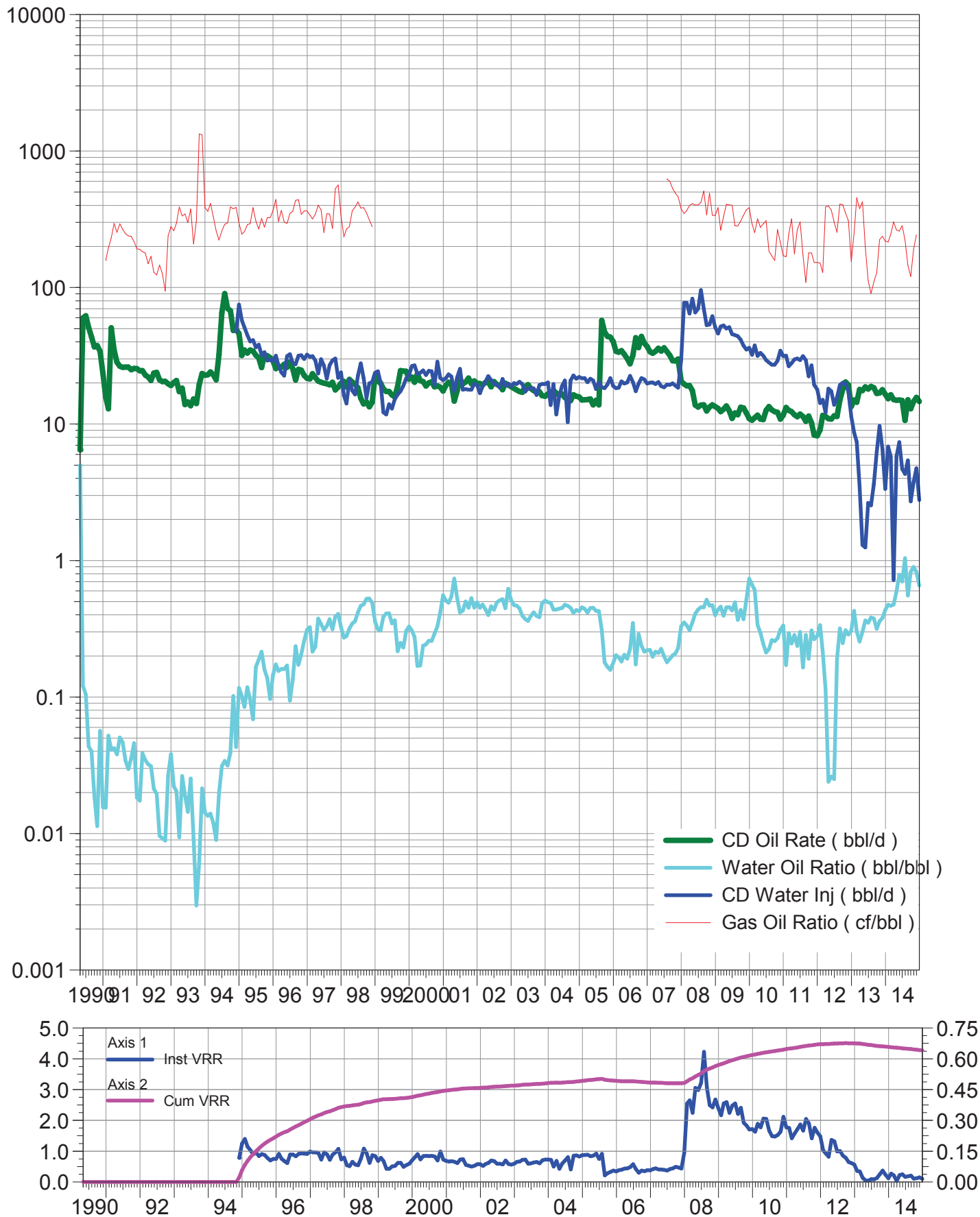
# Calendar Day Production for Pattern: 06-09 Set: SPU 1

Cumulative Oil Prod : 230.21 Mbbl



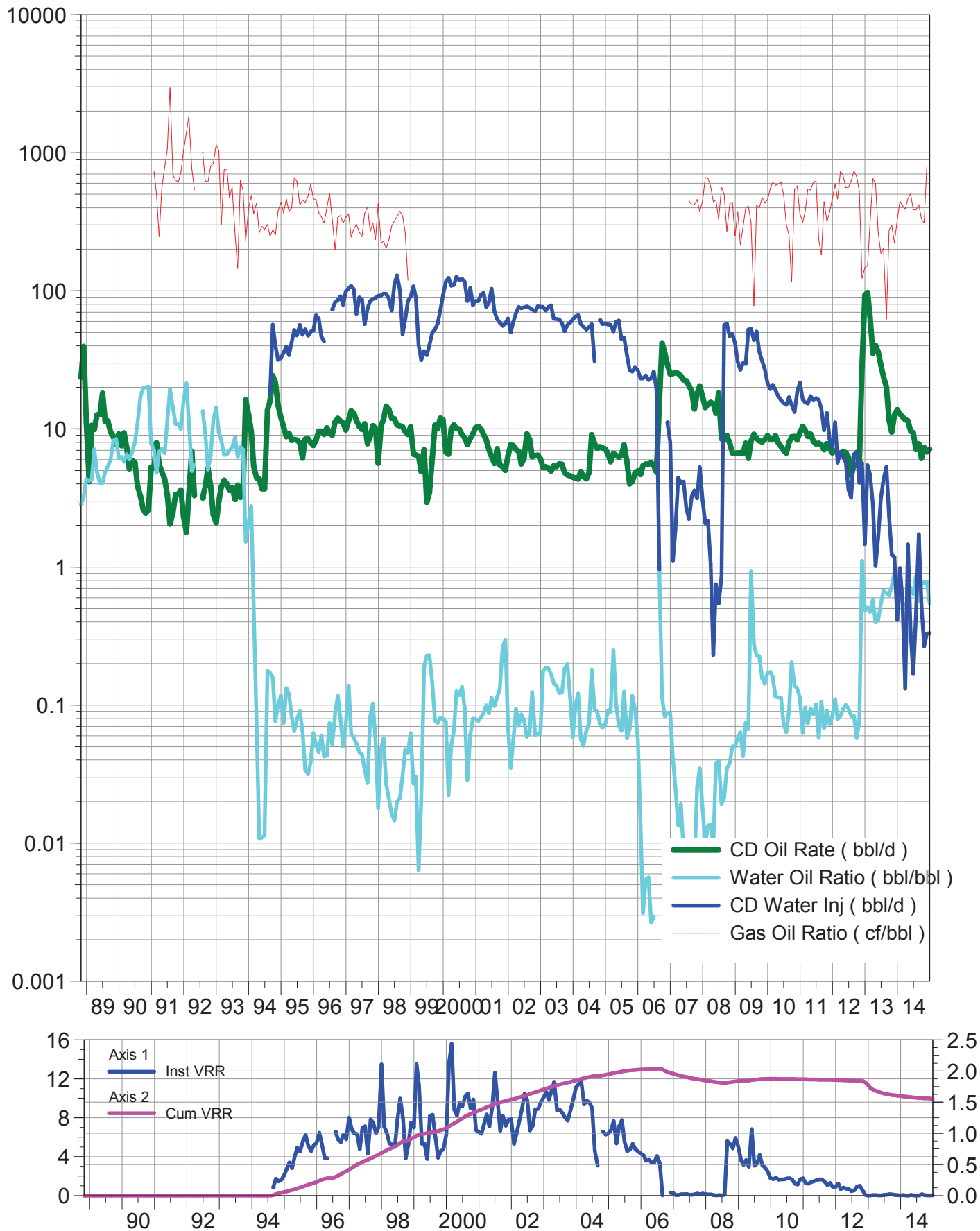
# Calendar Day Production for Pattern: 06-16 Set: SPU 1

Cumulative Oil Prod : 198.29 Mbbl



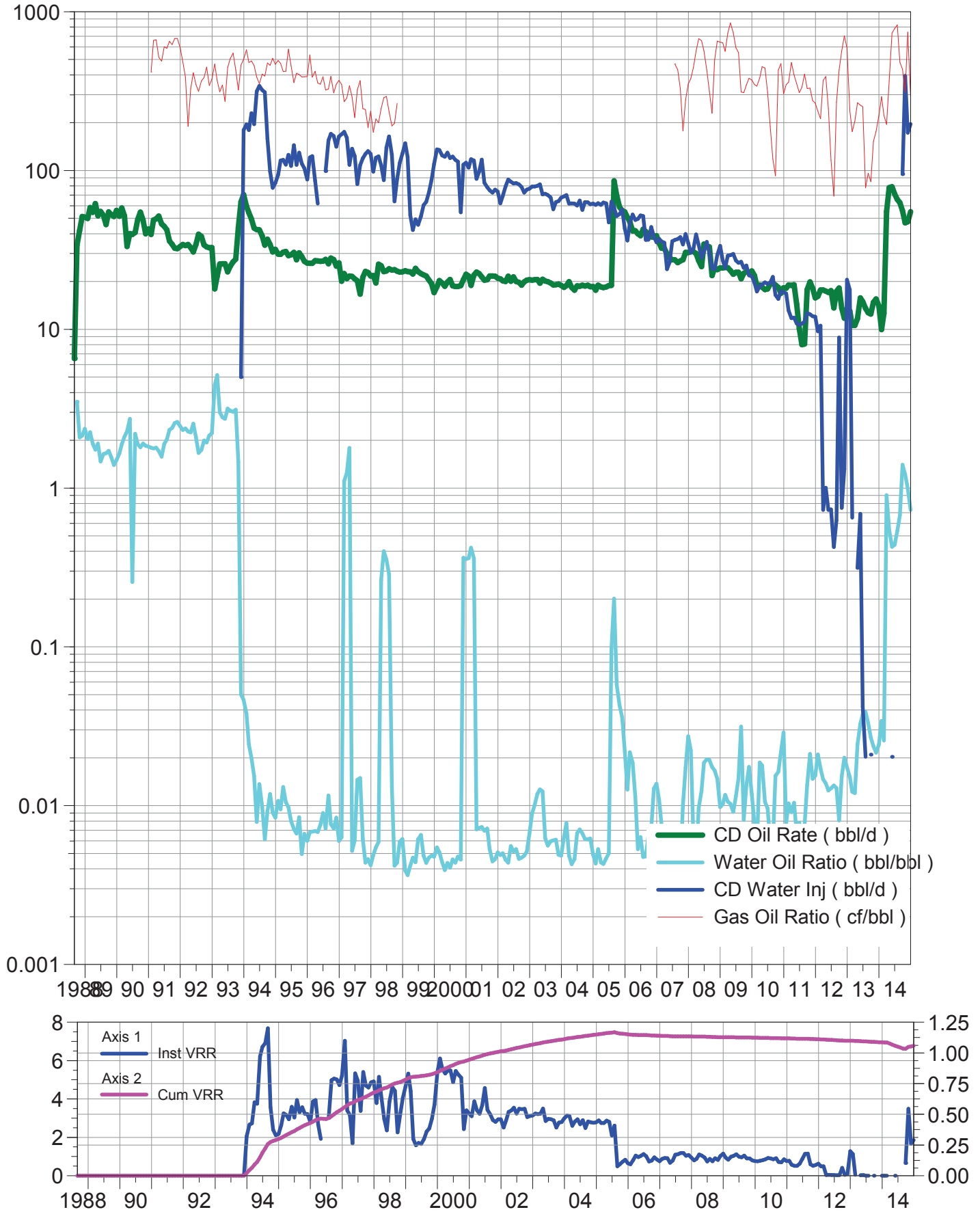
# Calendar Day Production for Pattern: 06-17 Set: SPU 1

Cumulative Oil Prod : 95.82 Mbbbl



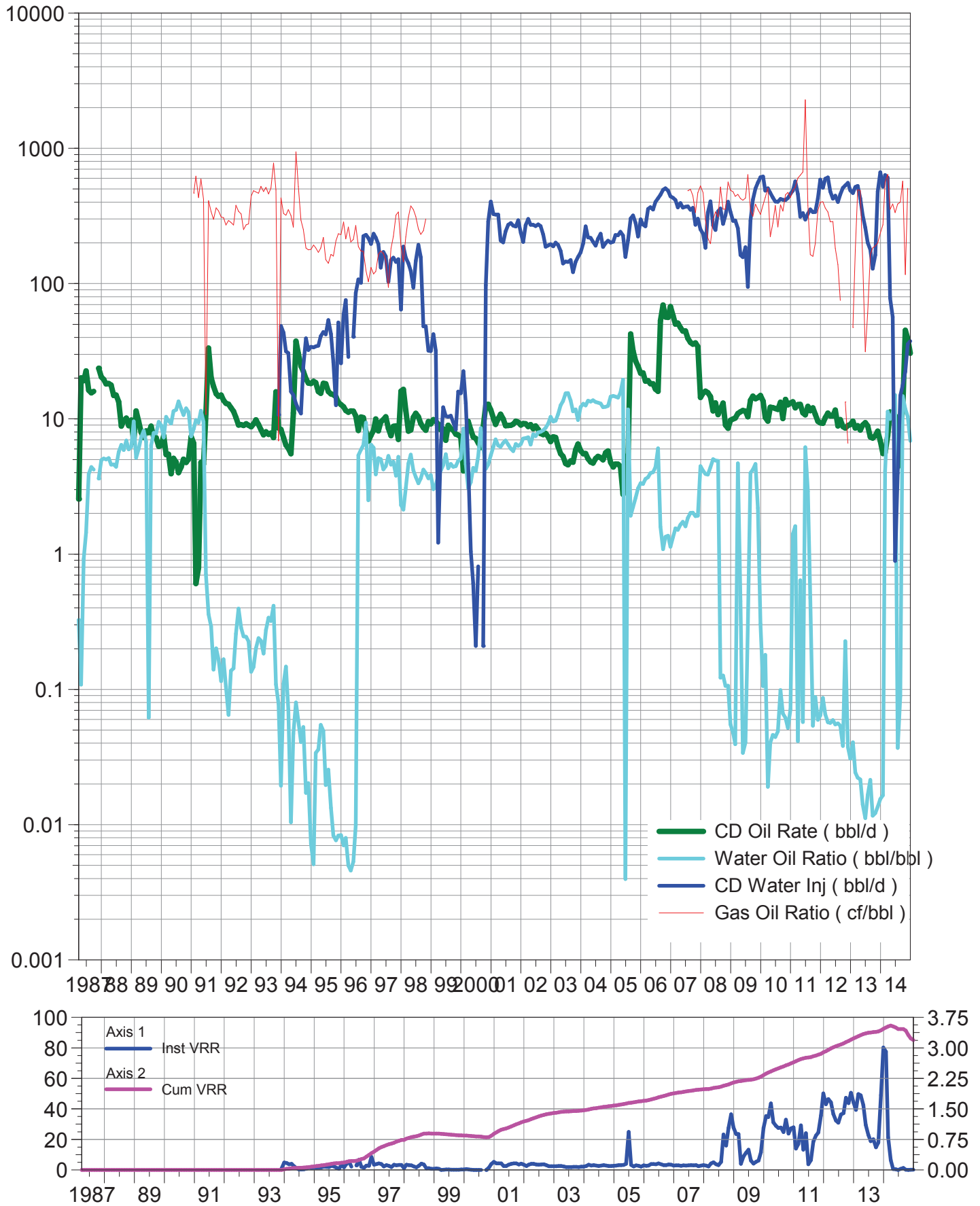
# Calendar Day Production for Pattern: 08-08 Set: SPU 1

Cumulative Oil Prod : 280.49 Mbbl



# Calendar Day Production for Pattern: 08-09 Set: SPU 1

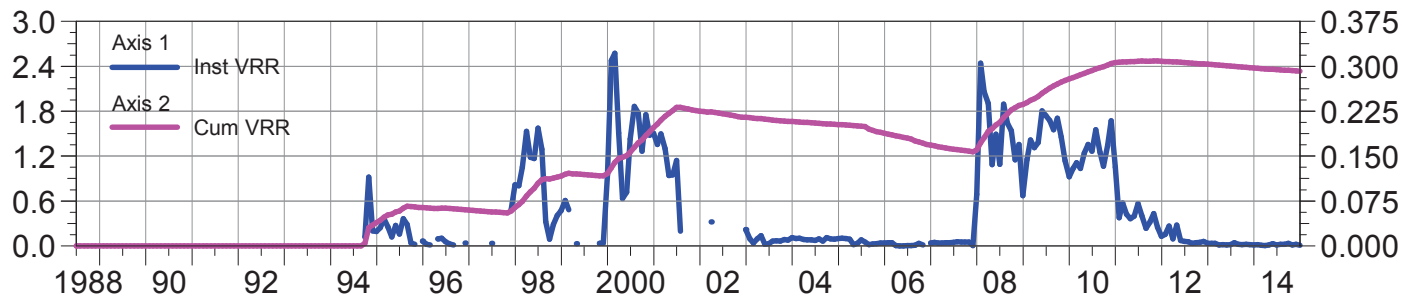
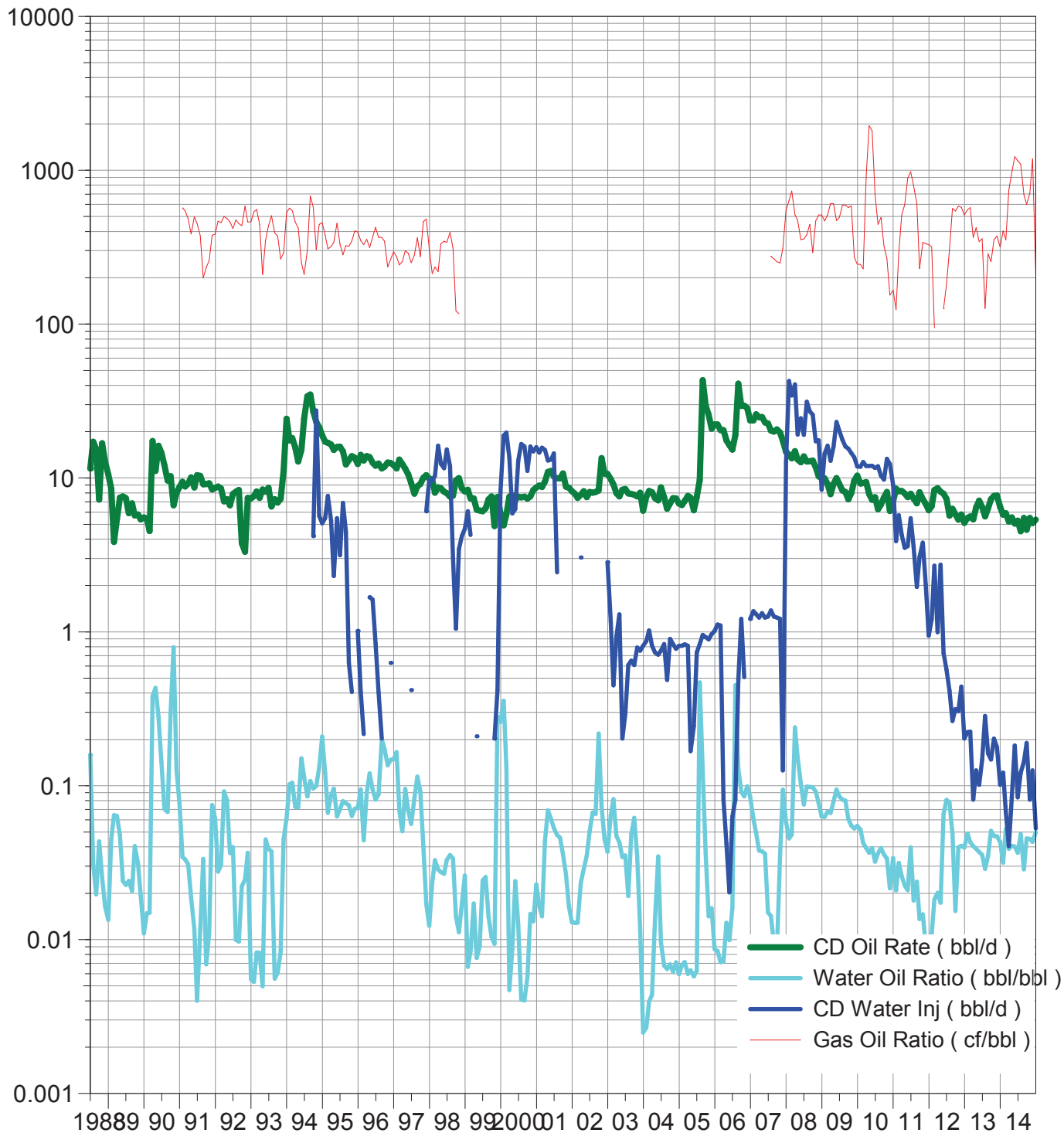
Cumulative Oil Prod : 129.65 Mbbbl





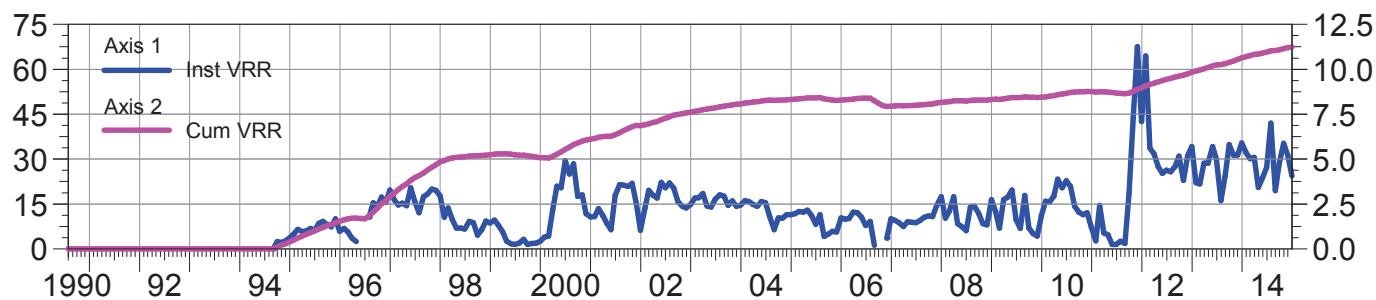
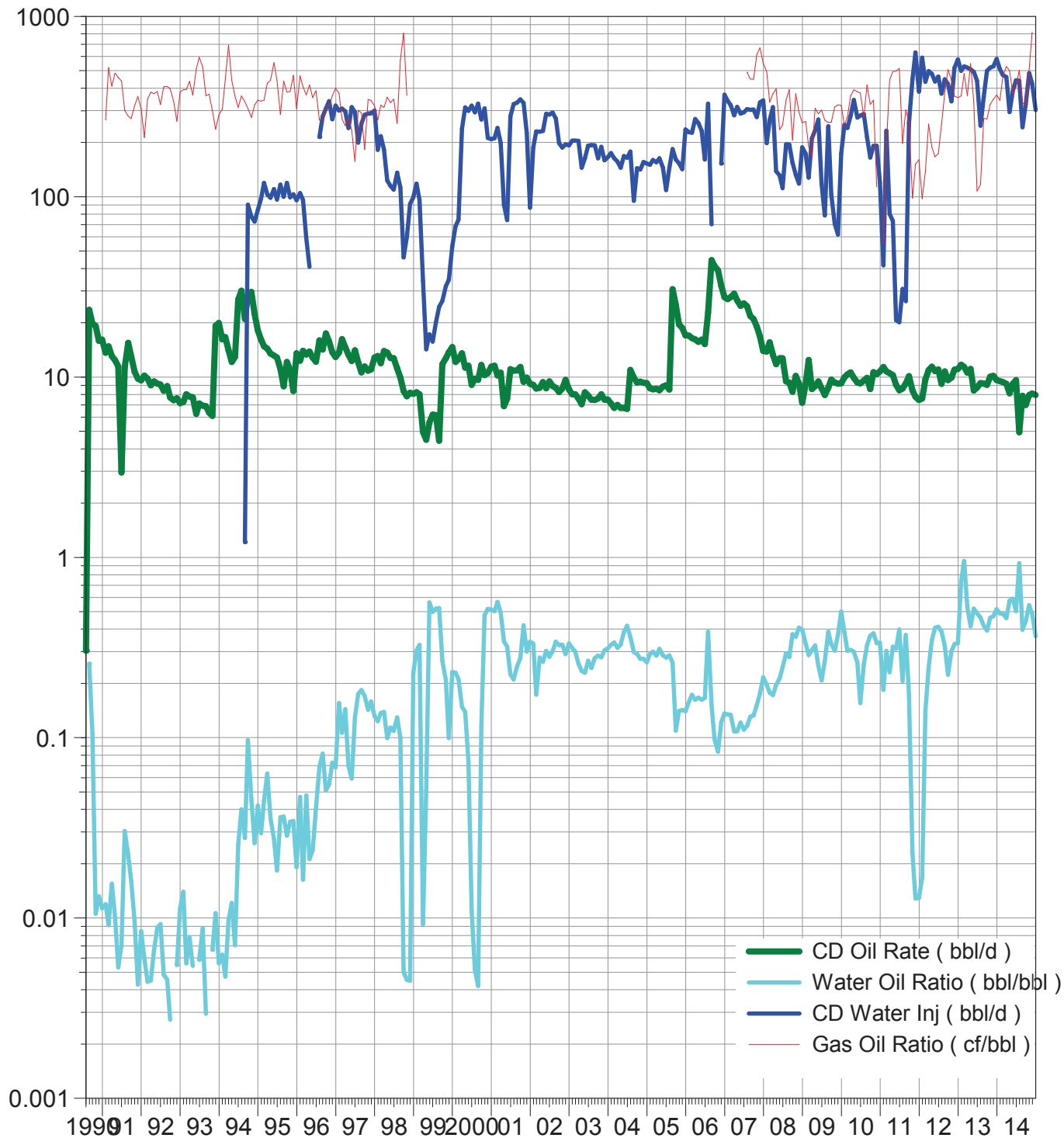
# Calendar Day Production for Pattern: 08-16 Set: SPU 1

Cumulative Oil Prod : 103.59 Mbbl



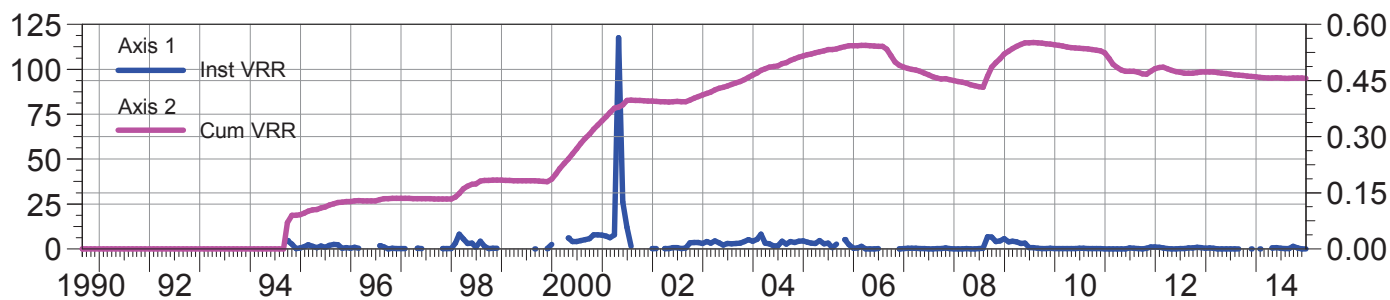
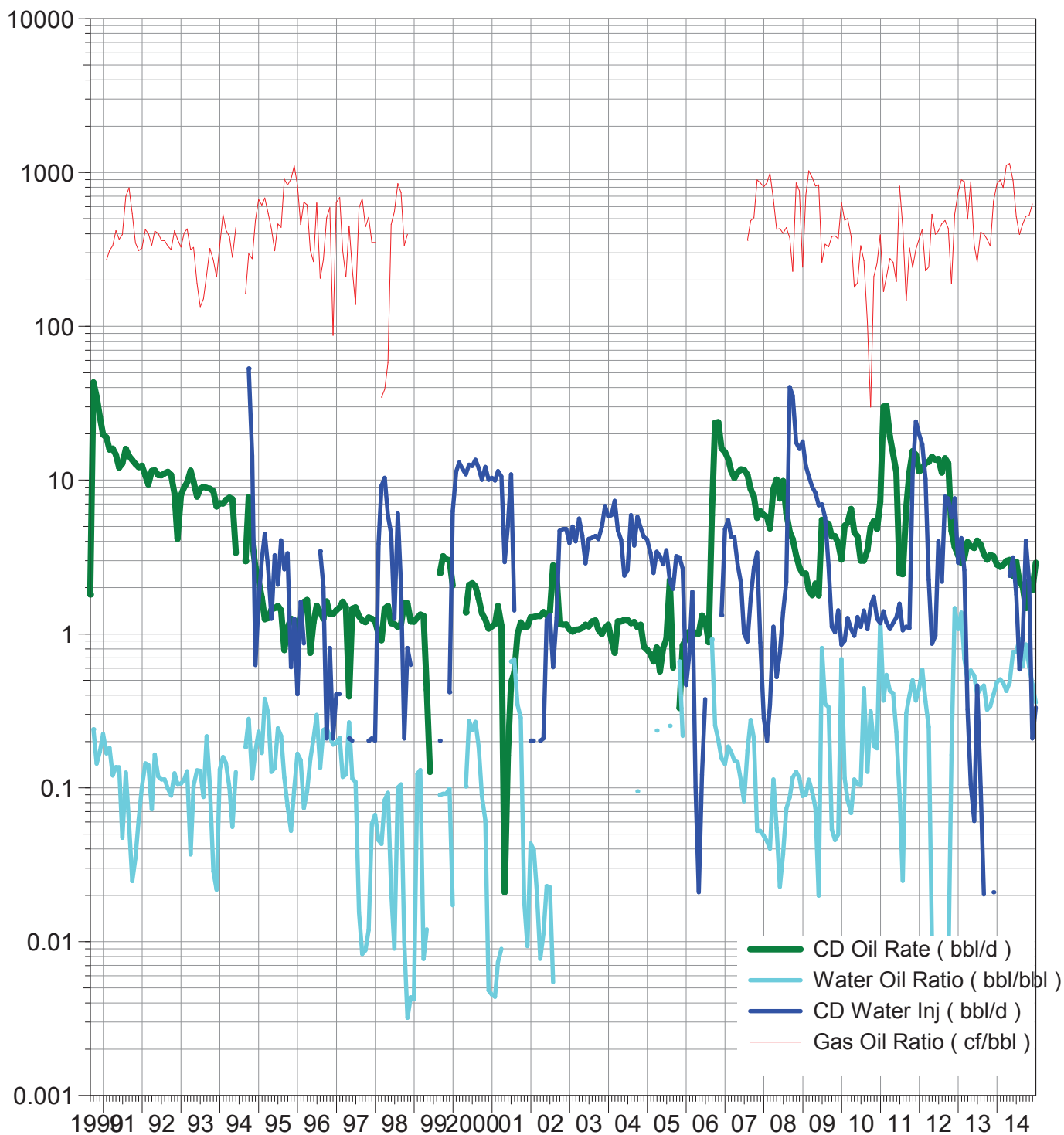
# Calendar Day Production for Pattern: 08-17 Set: SPU 1

Cumulative Oil Prod : 107.39 Mbbl



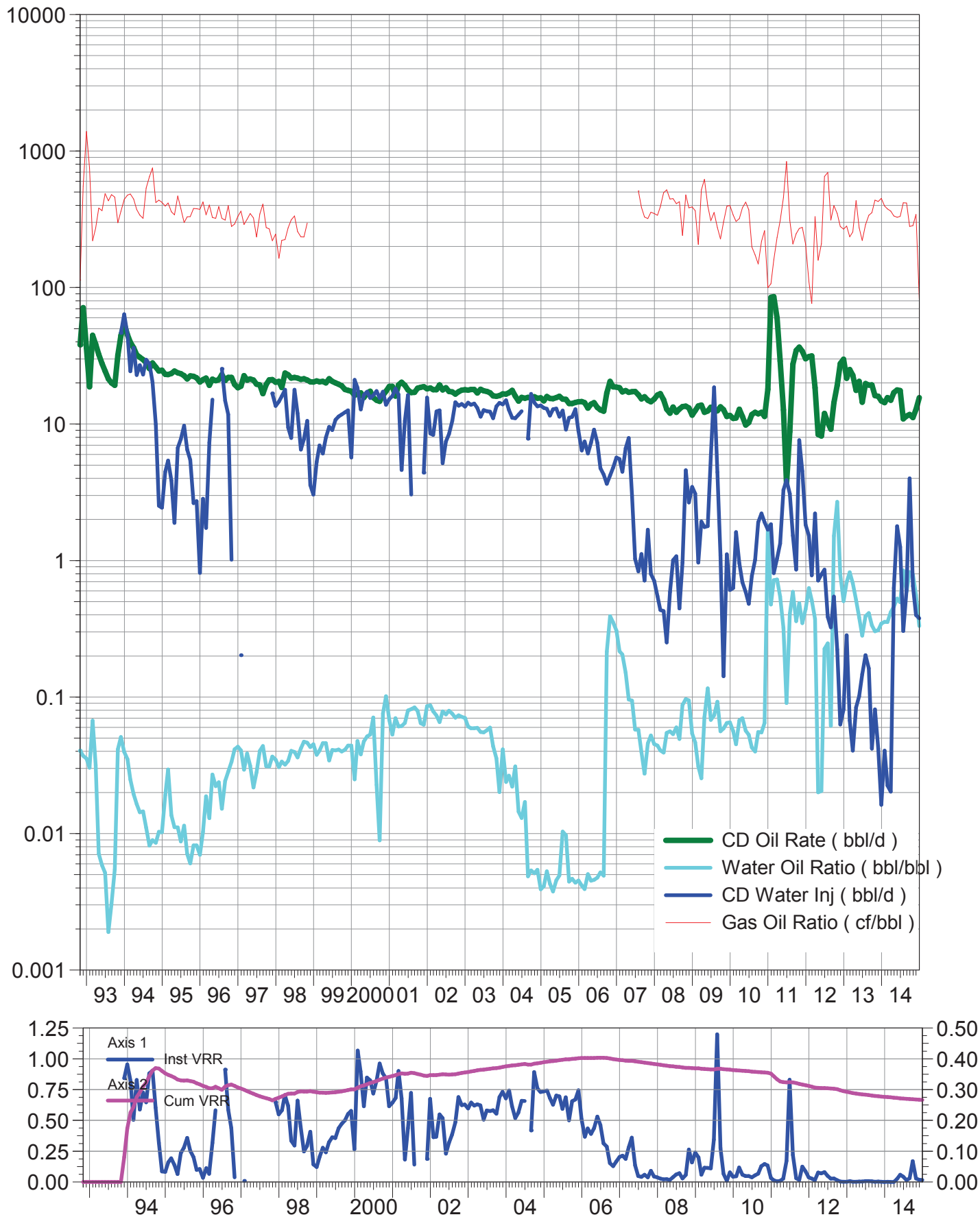
# Calendar Day Production for Pattern: 08-18 Set: SPU 1

Cumulative Oil Prod : 45.07 Mbbl



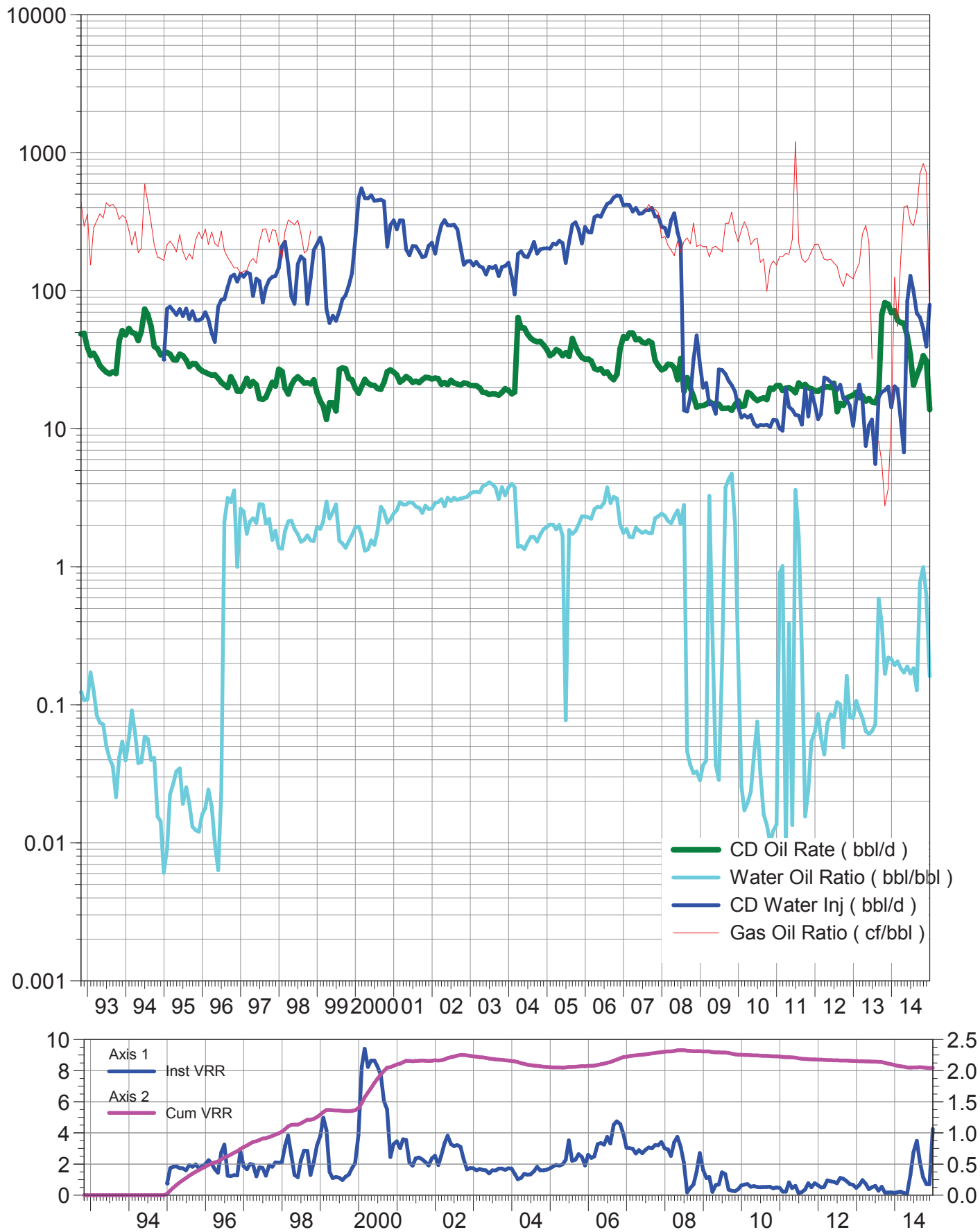
# Calendar Day Production for Pattern: 10-08 Set: SPU 1

Cumulative Oil Prod : 160.38 Mbbl



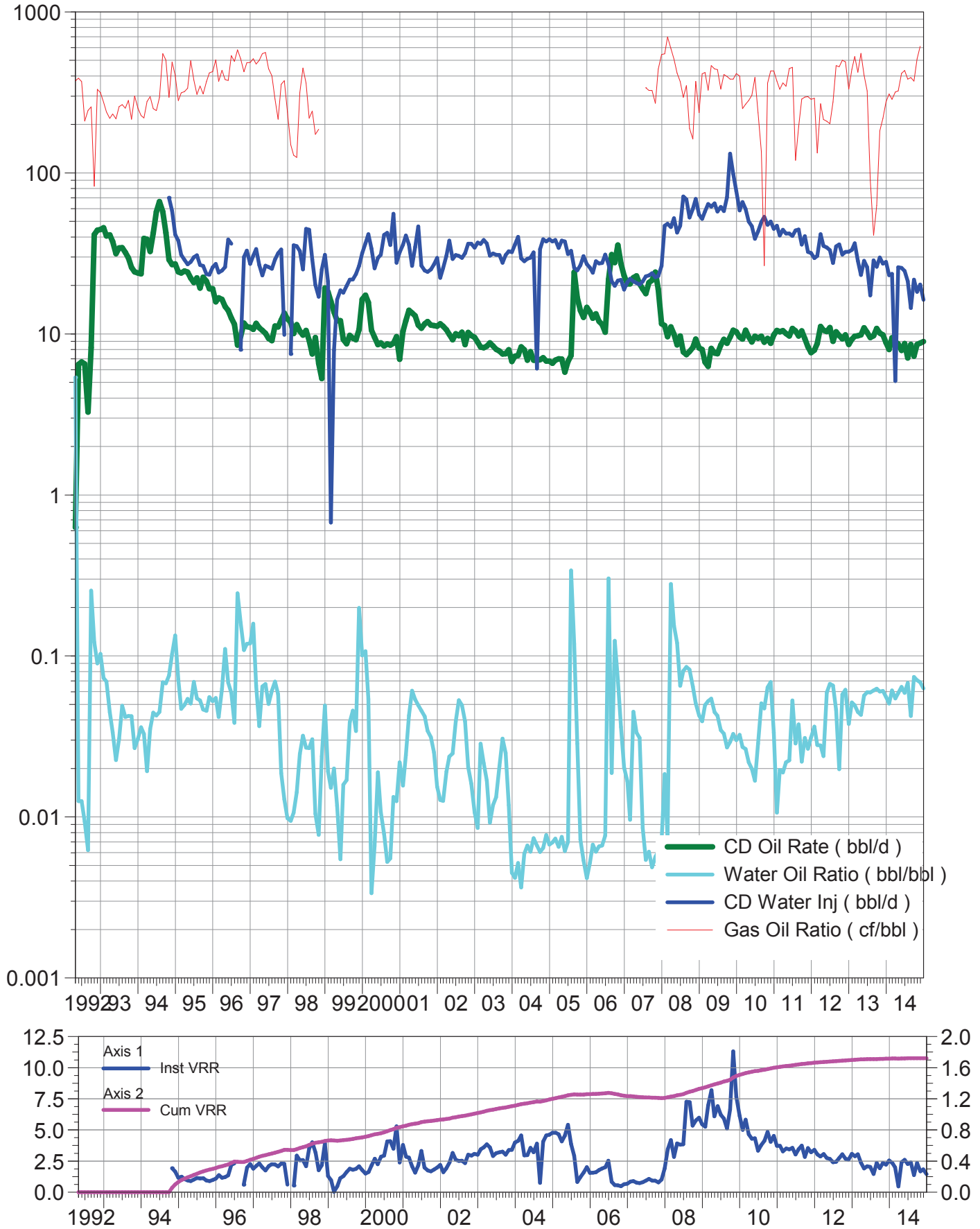
# Calendar Day Production for Pattern: 10-09 Set: SPU 1

Cumulative Oil Prod : 223.72 Mbbl



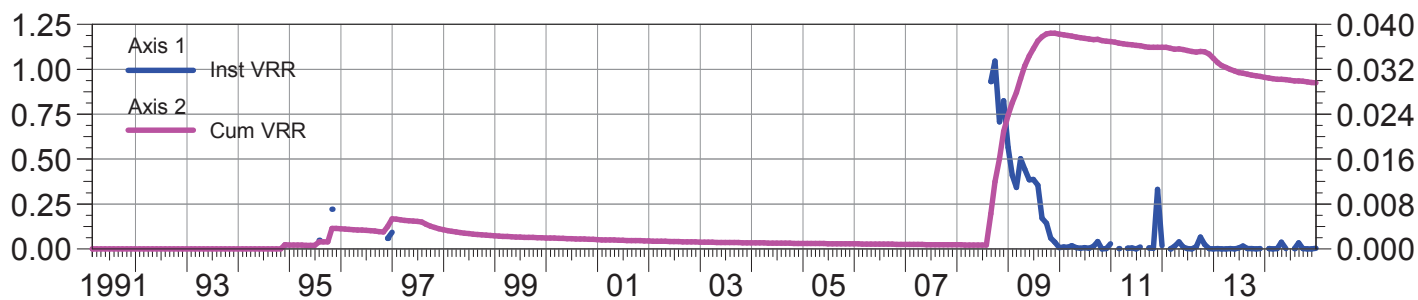
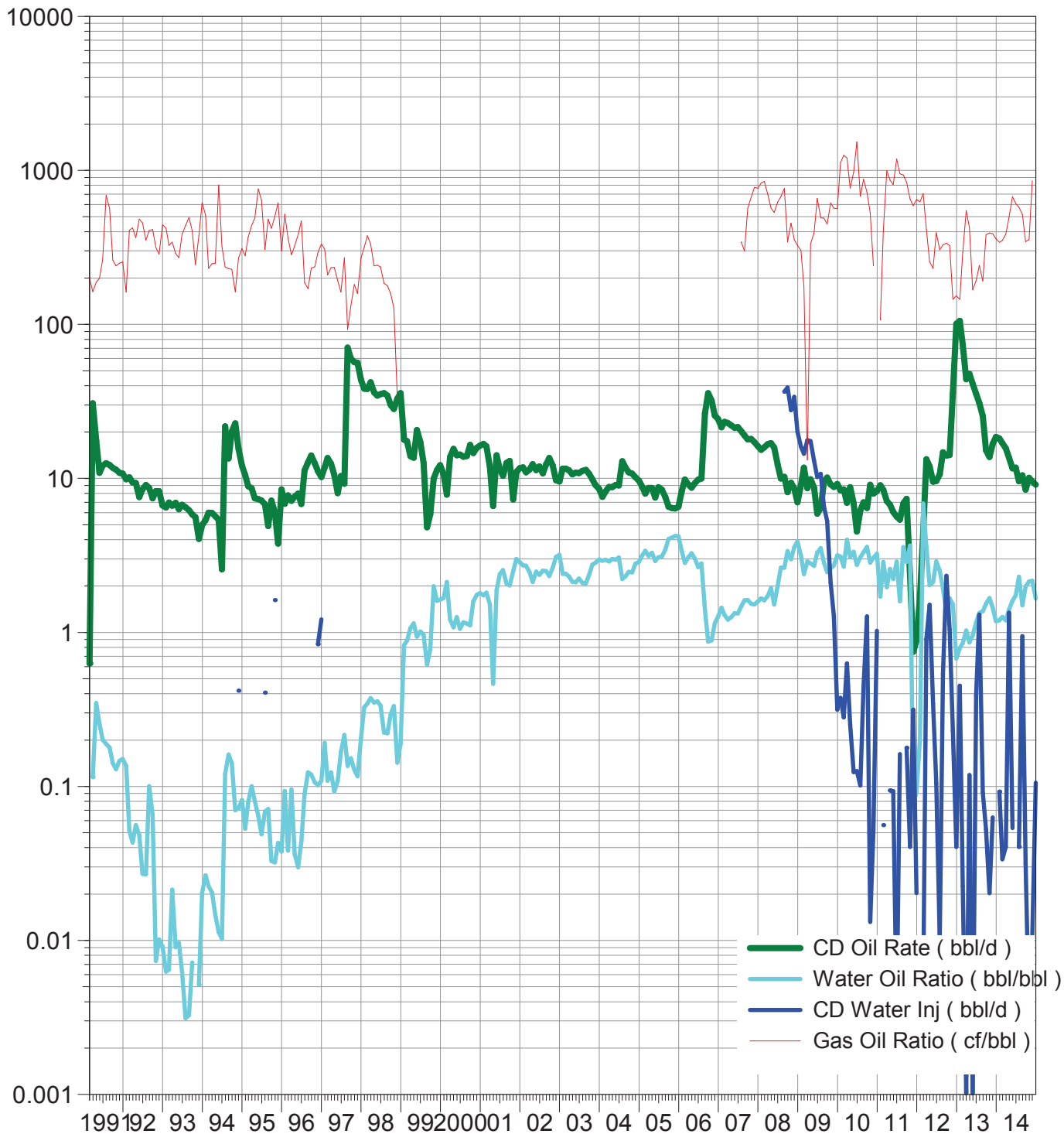
# Calendar Day Production for Pattern: 10-16 Set: SPU 1

Cumulative Oil Prod : 116.48 Mbbl



# Calendar Day Production for Pattern: 10-17 Set: SPU 1

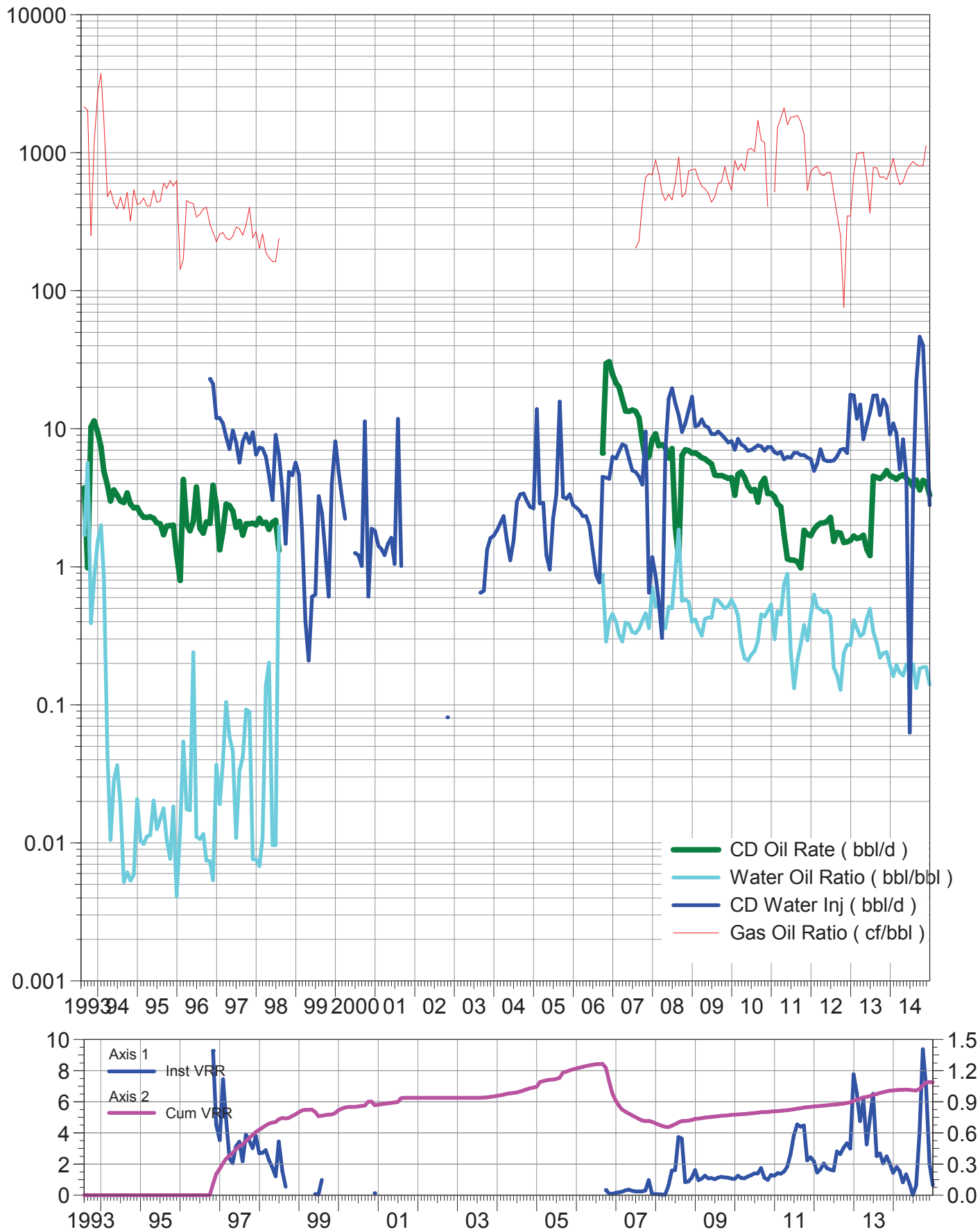
Cumulative Oil Prod : 124.98 Mbbl





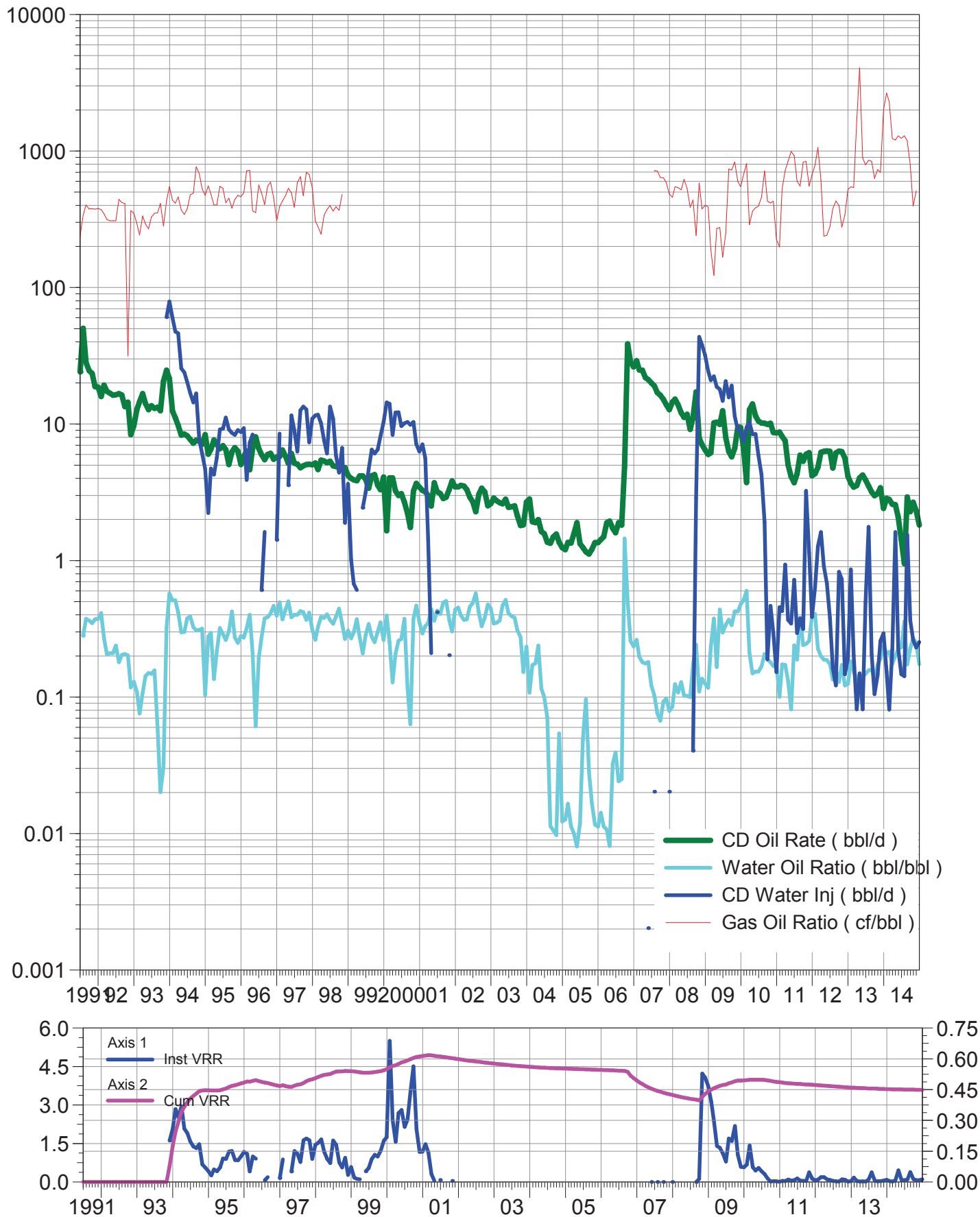
# Calendar Day Production for Pattern: 12-04 Set: SPU 1

Cumulative Oil Prod : 22.37 Mbbl



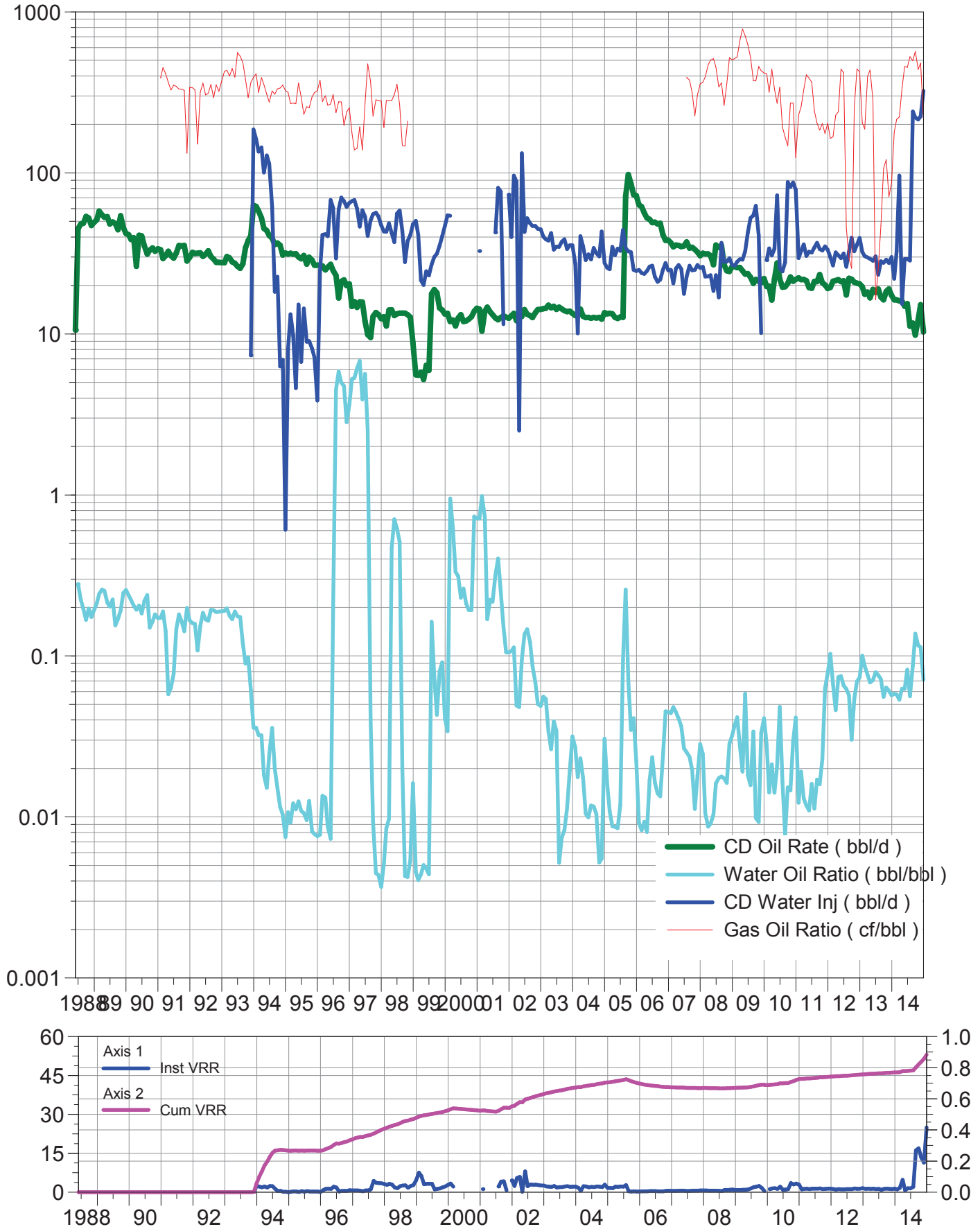
# Calendar Day Production for Pattern: 12-08 Set: SPU 1

Cumulative Oil Prod : 63.07 Mbbbl



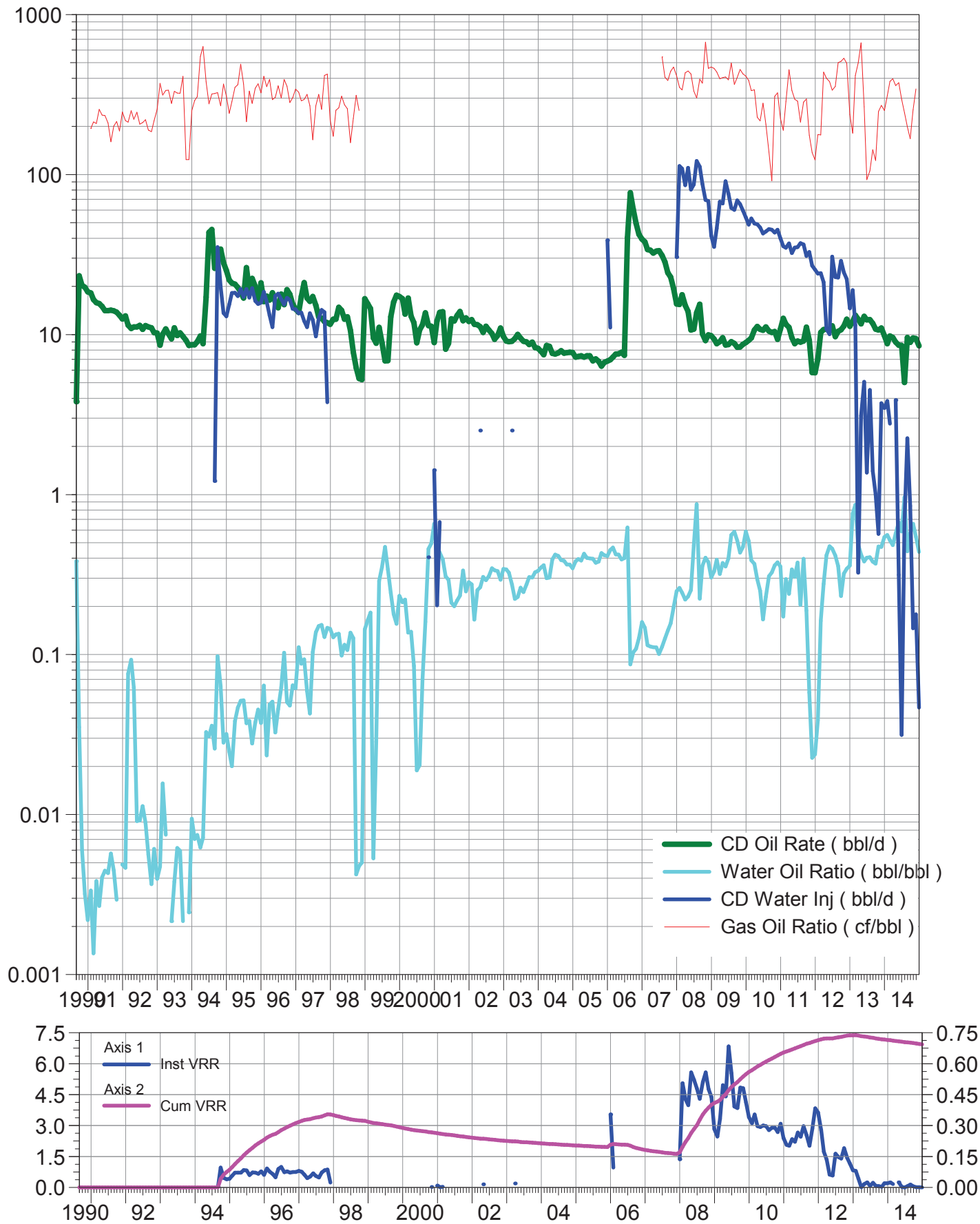
# Calendar Day Production for Pattern: 12-09 Set: SPU 1

Cumulative Oil Prod : 249.67 Mbbl



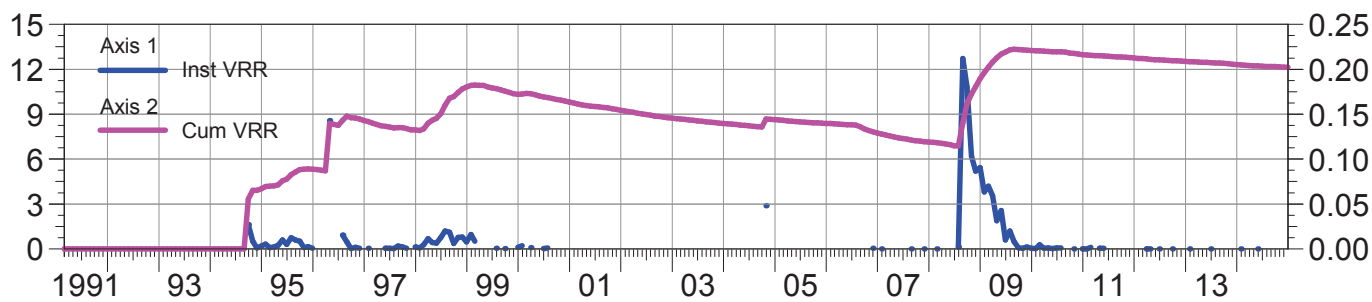
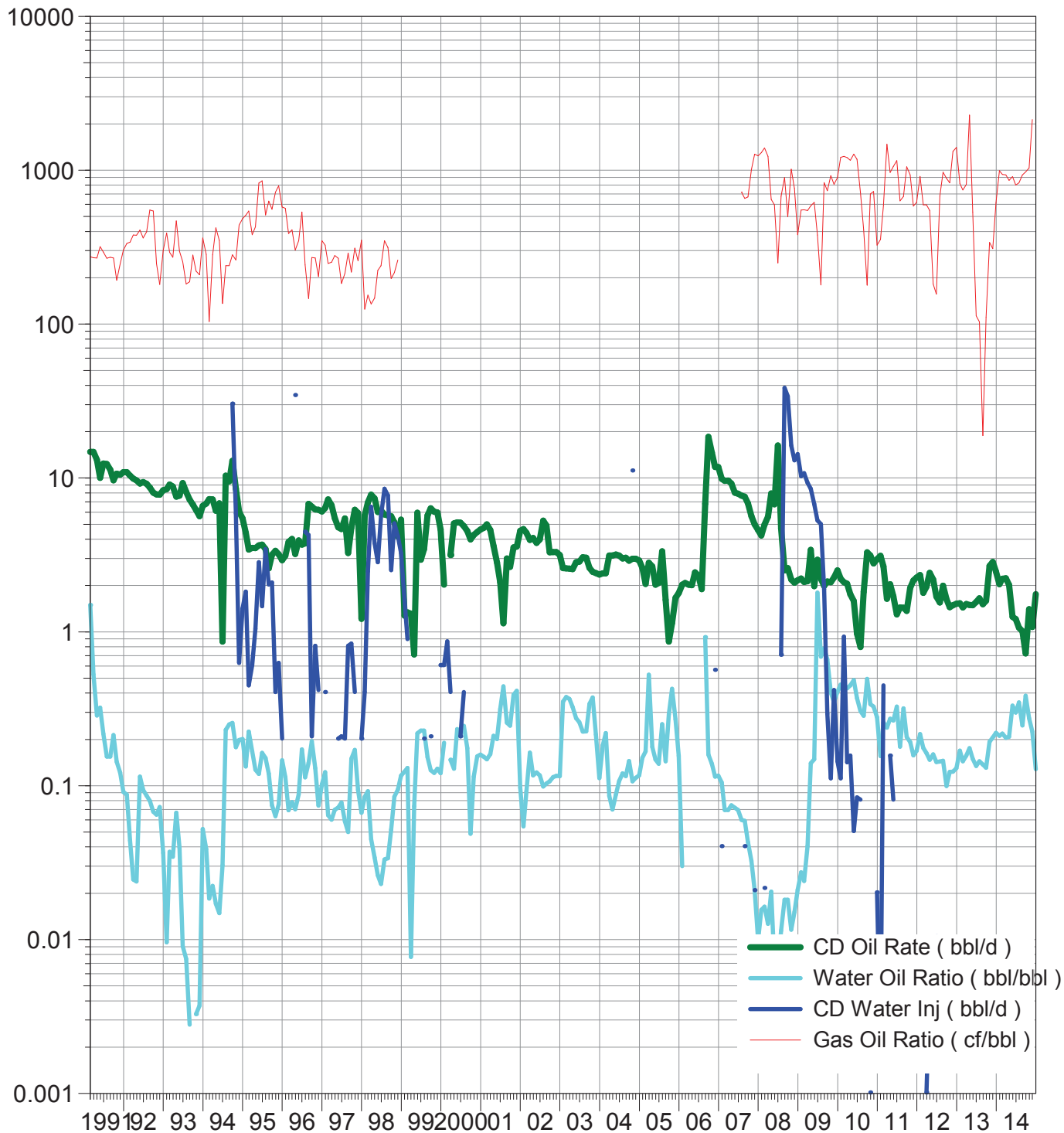
# Calendar Day Production for Pattern: 12-16 Set: SPU 1

Cumulative Oil Prod : 121.30 Mbbl



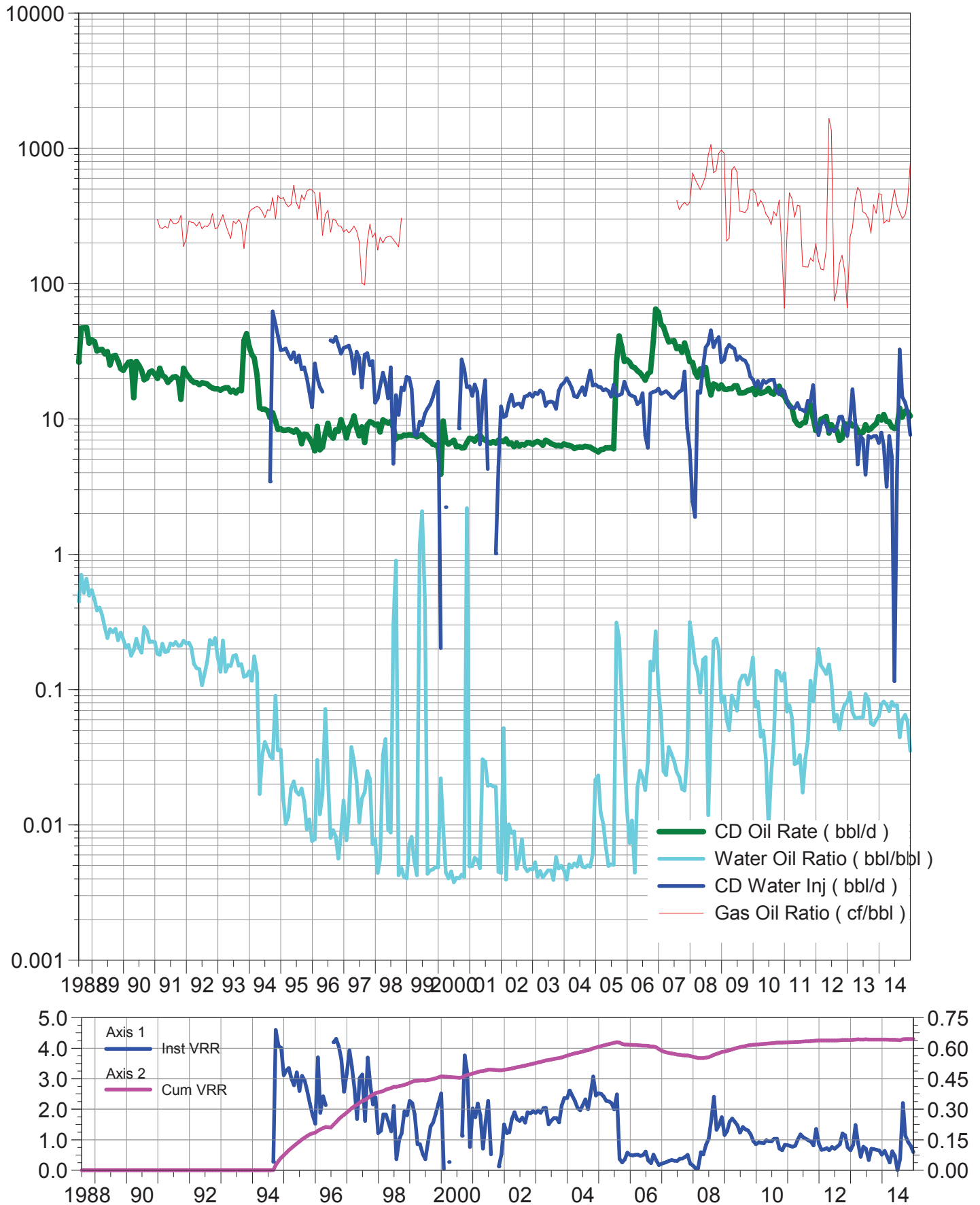
# Calendar Day Production for Pattern: 12-17 Set: SPU 1

Cumulative Oil Prod : 39.46 Mbbl



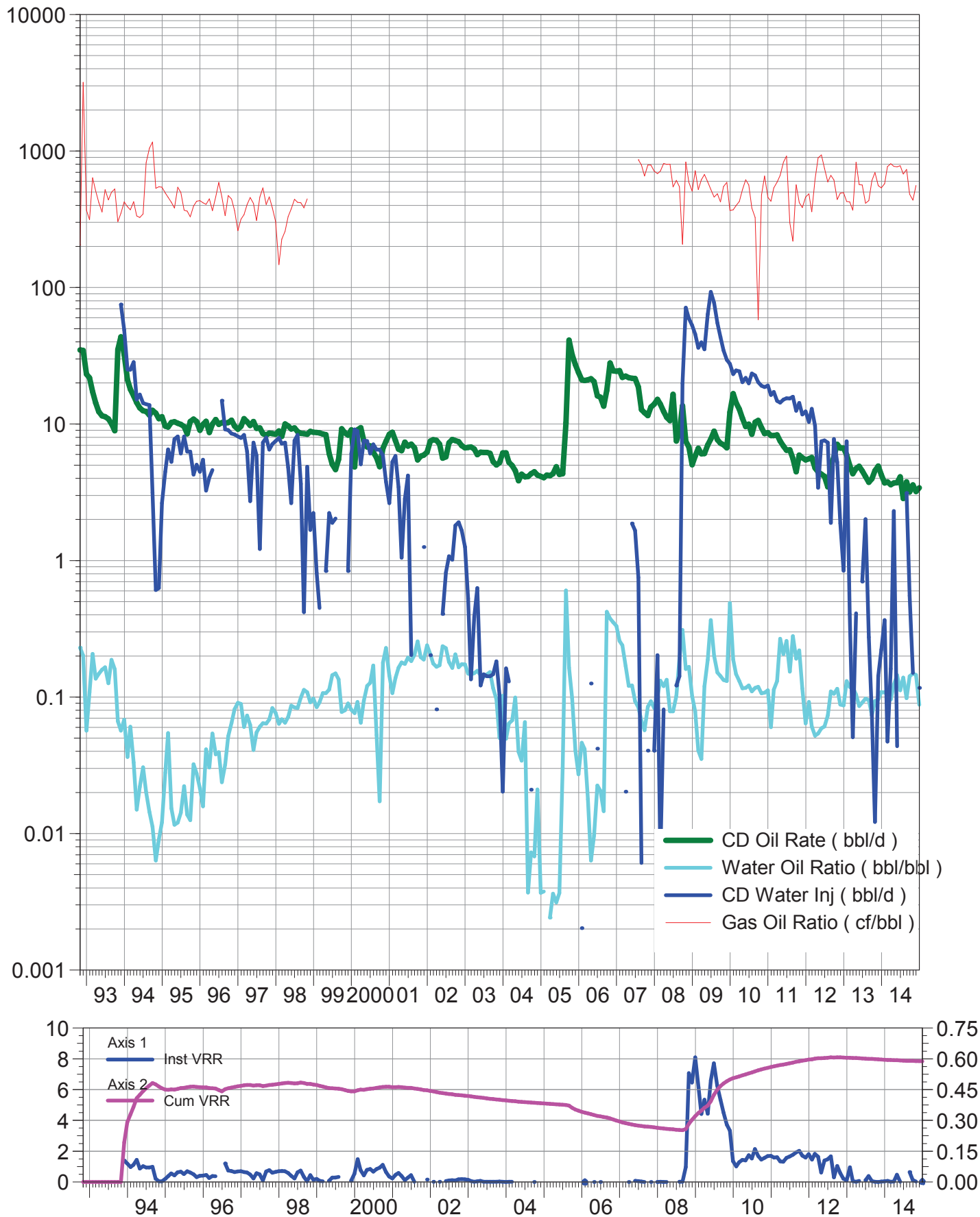
# Calendar Day Production for Pattern: 14-04 Set: SPU 1

Cumulative Oil Prod : 144.44 Mbbl



# Calendar Day Production for Pattern: 14-08 Set: SPU 1

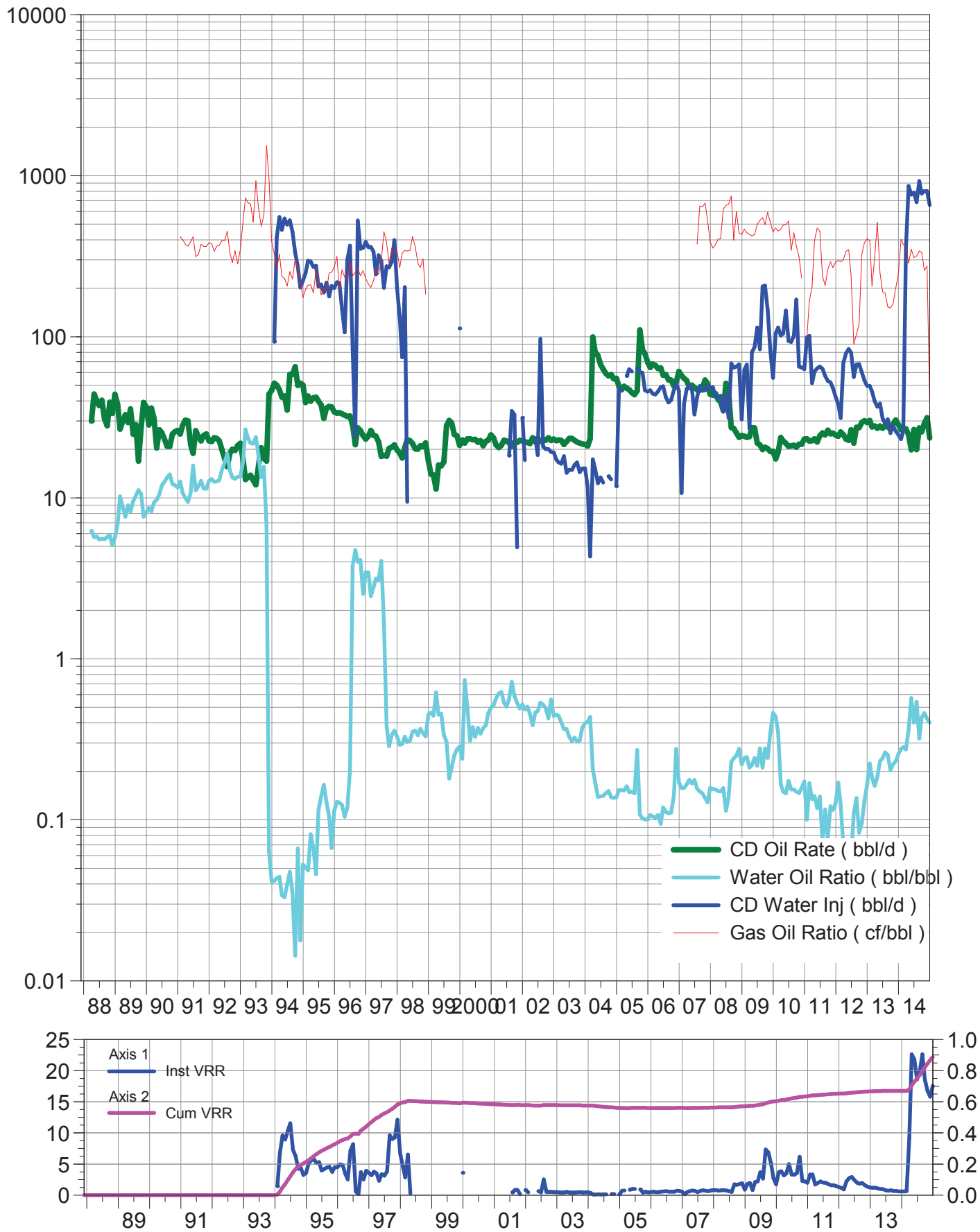
Cumulative Oil Prod : 80.05 Mbbbl





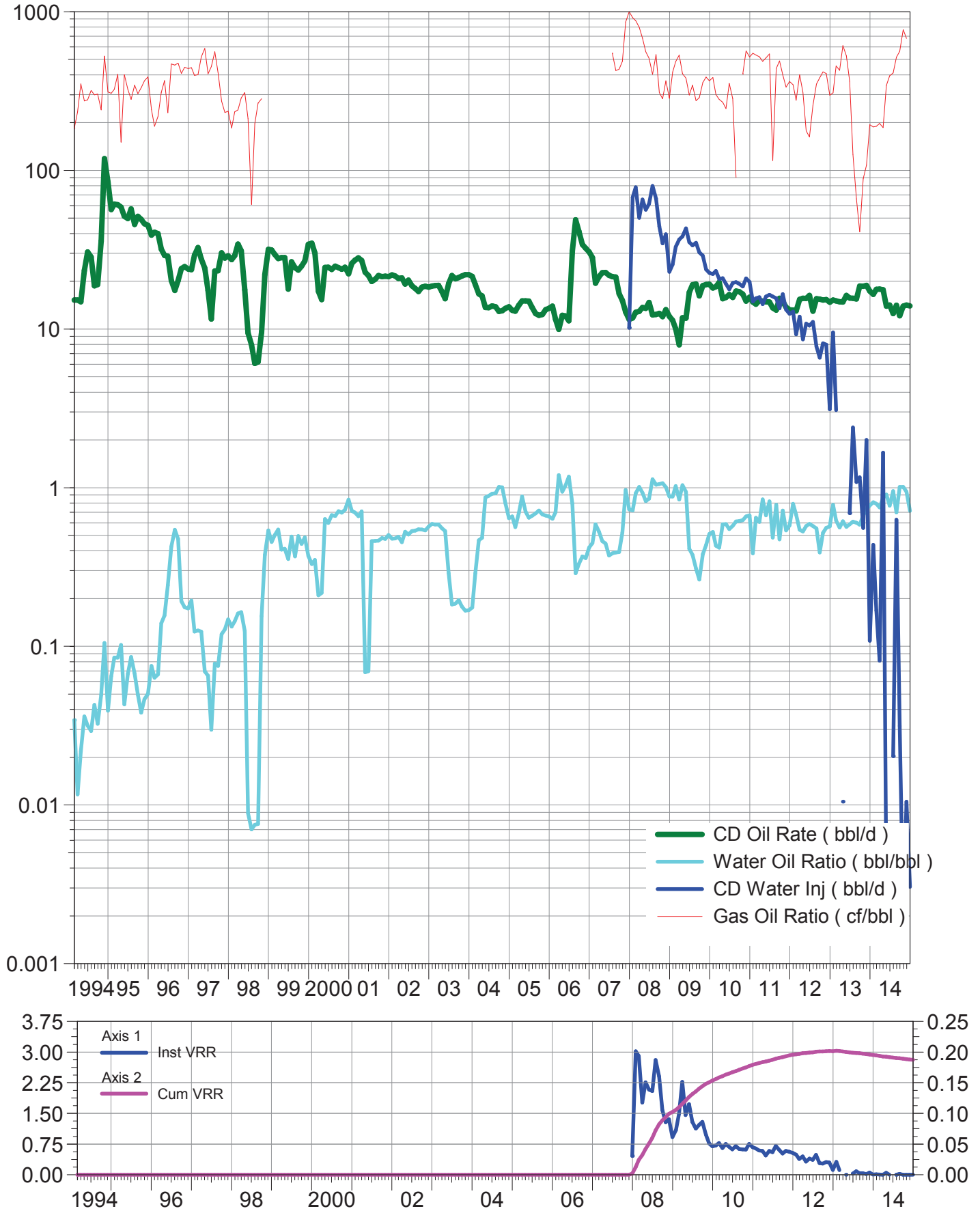
# Calendar Day Production for Pattern: 14-09 Set: SPU 1

Cumulative Oil Prod : 305.27 Mbbl



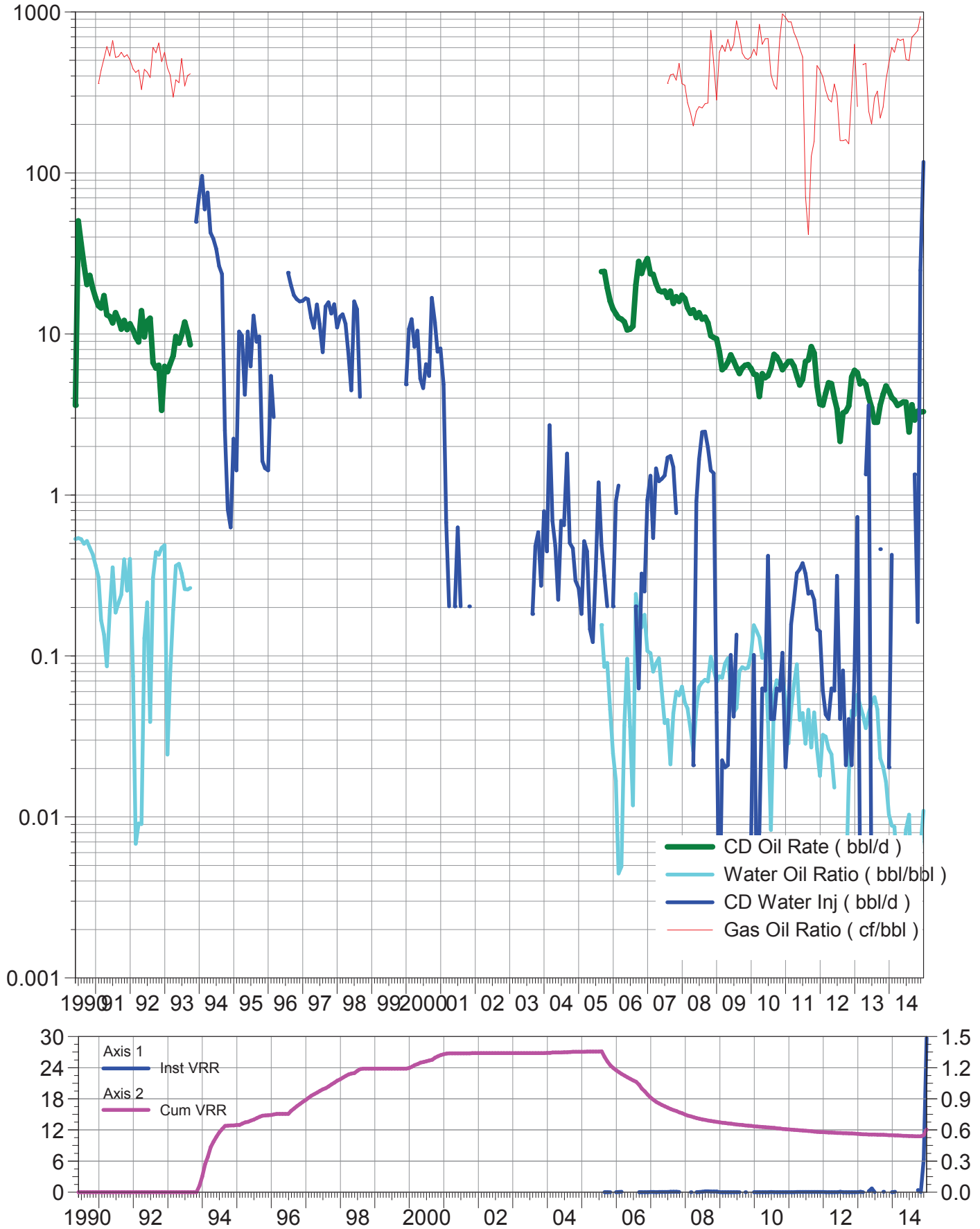
# Calendar Day Production for Pattern: 14-16 Set: SPU 1

Cumulative Oil Prod : 164.95 Mbbl



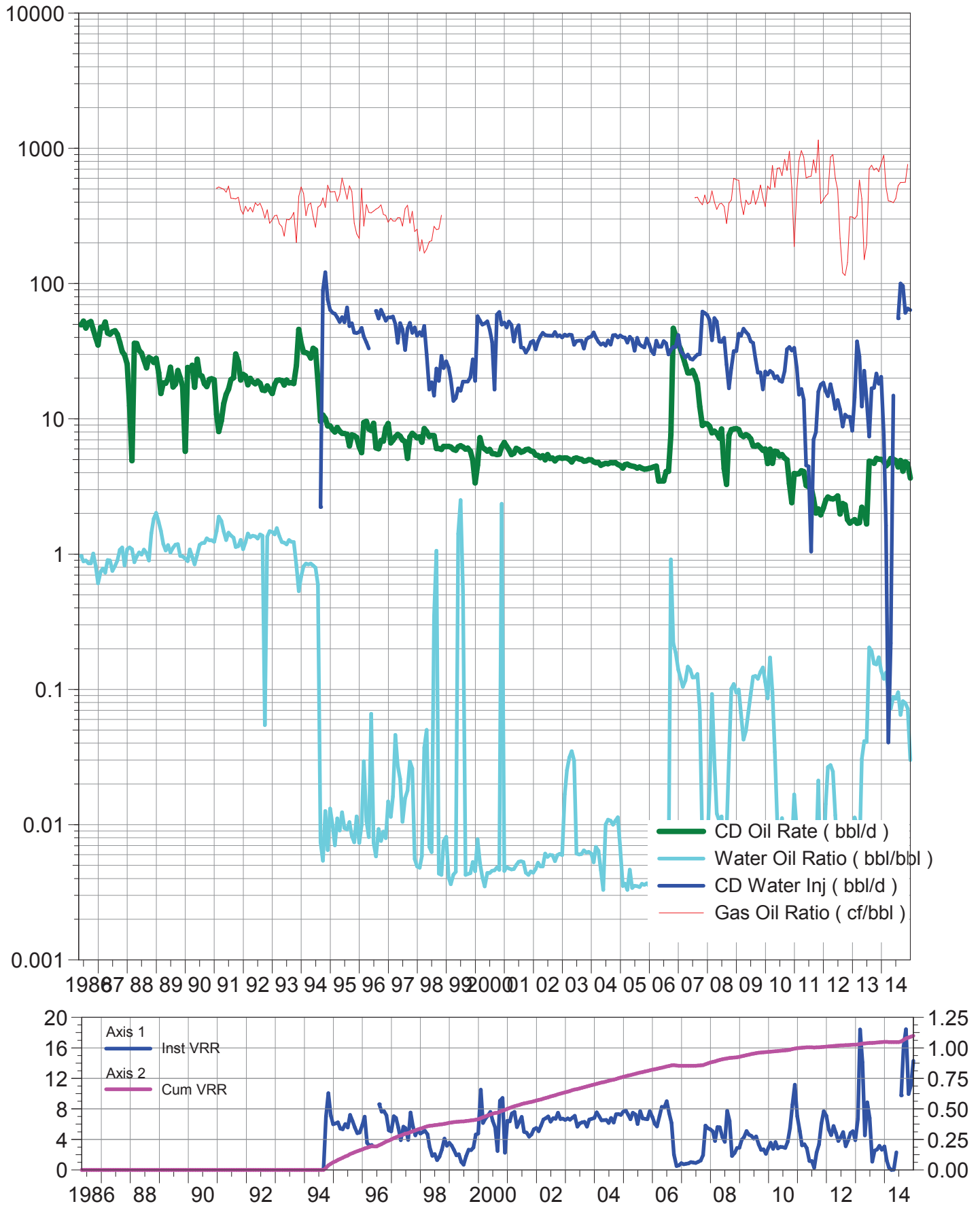
# Calendar Day Production for Pattern: 16-04 Set: SPU 1

Cumulative Oil Prod : 48.32 Mbbbl



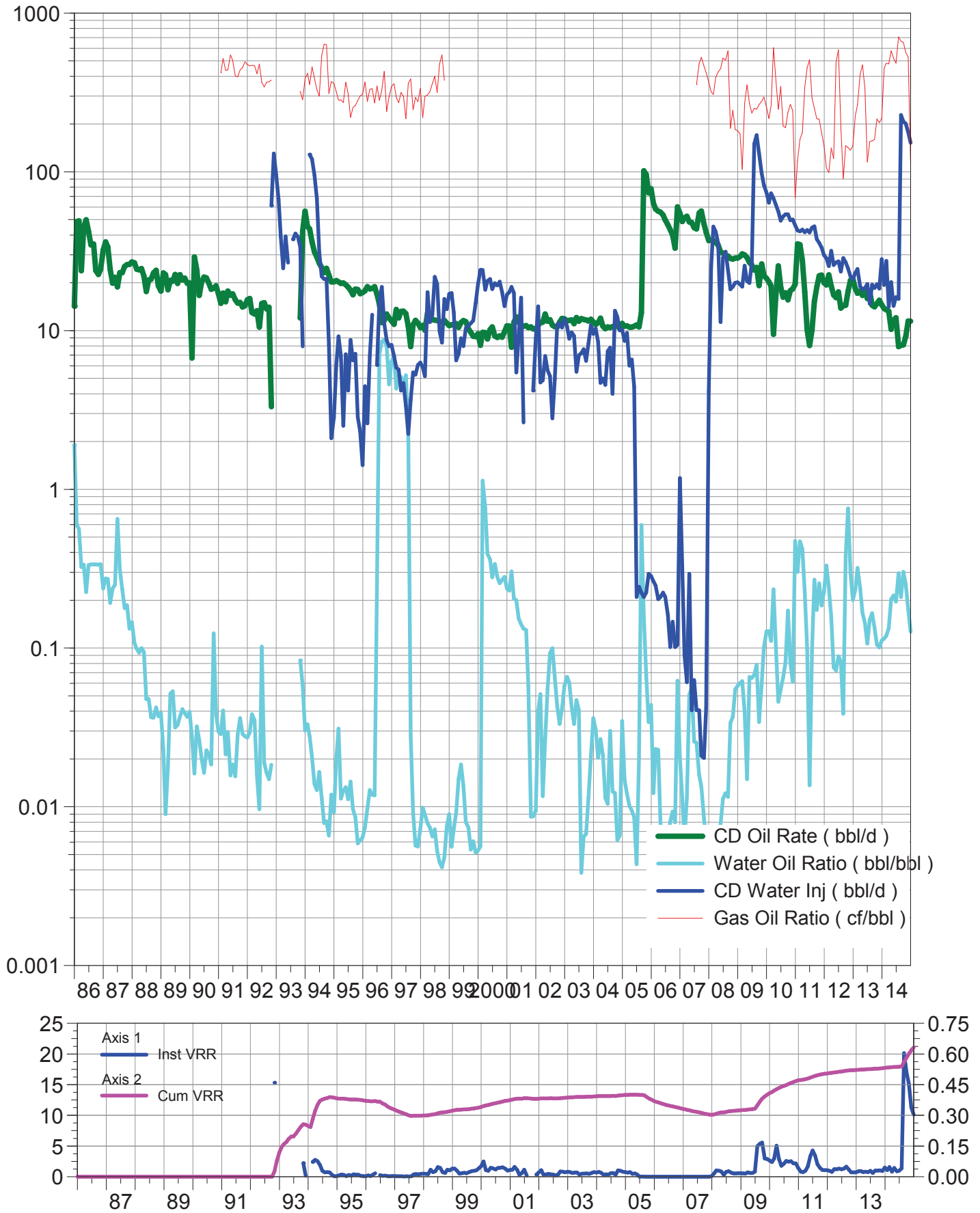
# Calendar Day Production for Pattern: 16-05 Set: SPU 1

Cumulative Oil Prod : 127.28 Mbbl



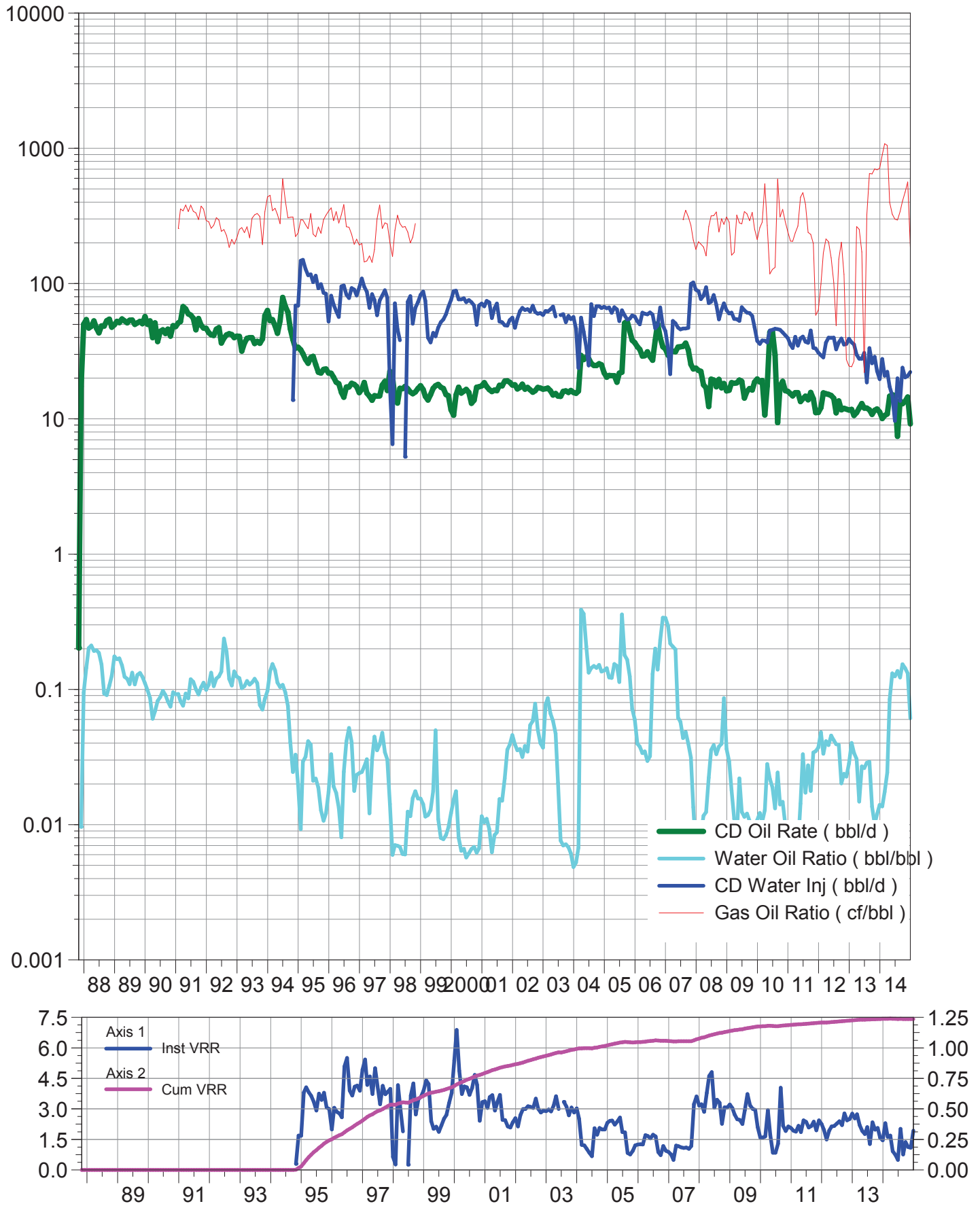
# Calendar Day Production for Pattern: 16-08 Set: SPU 1

Cumulative Oil Prod : 214.38 Mbbl



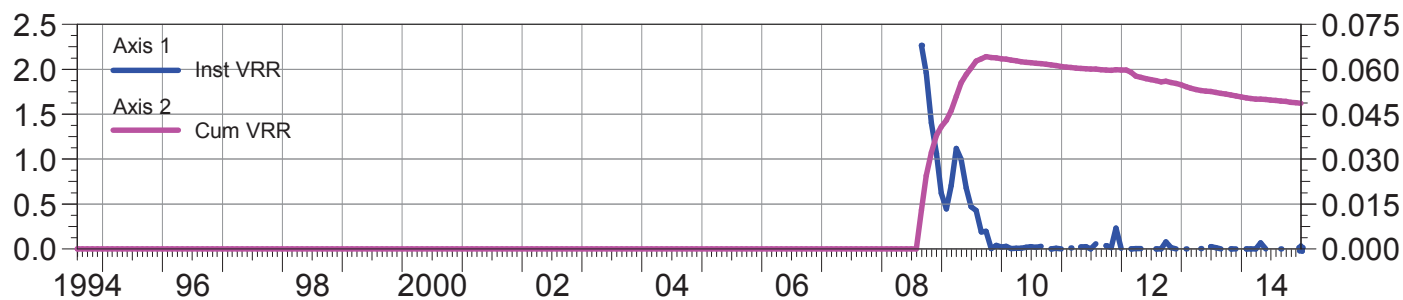
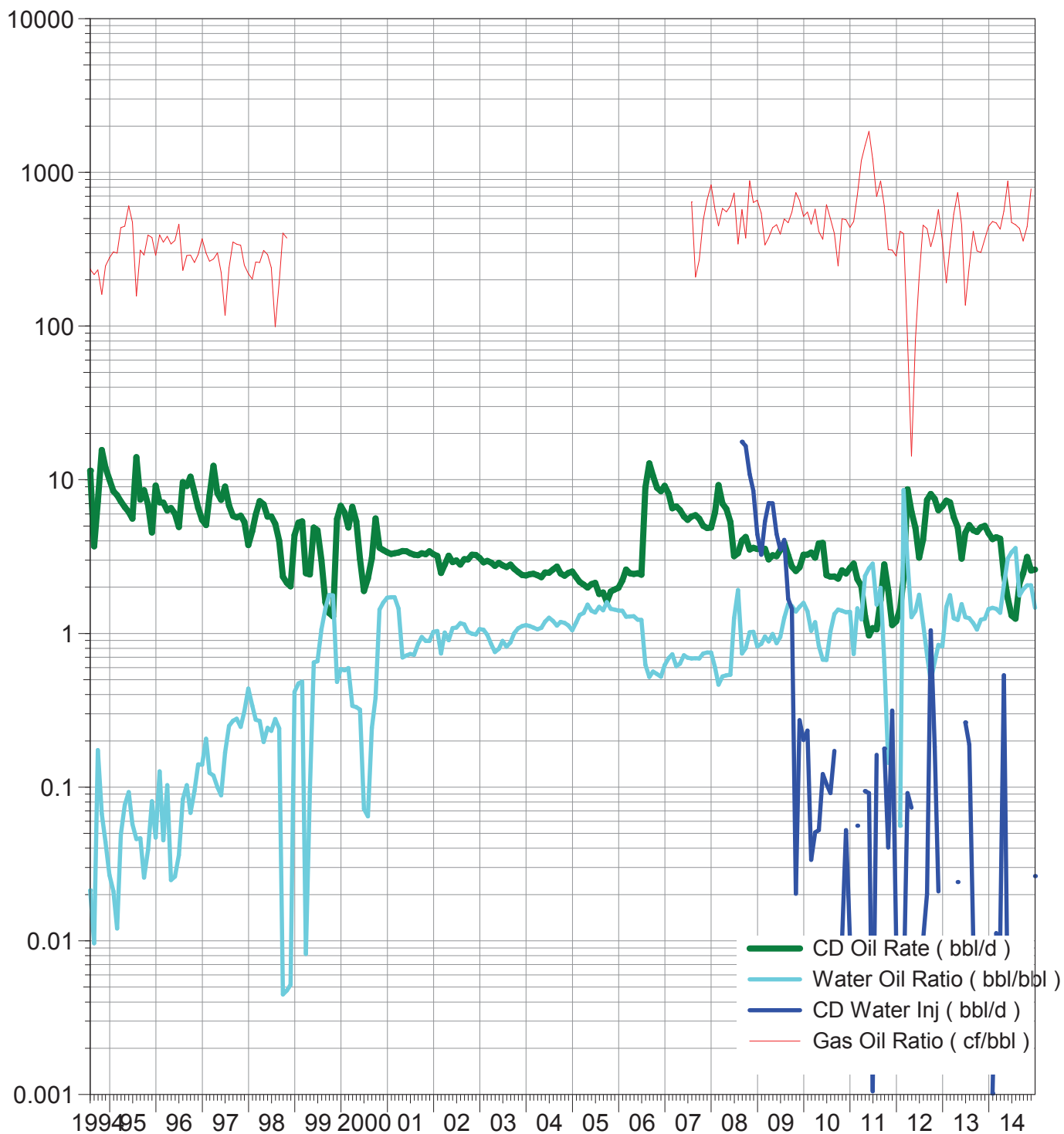
# Calendar Day Production for Pattern: 16-09 Set: SPU 1

Cumulative Oil Prod : 266.41 Mbbl



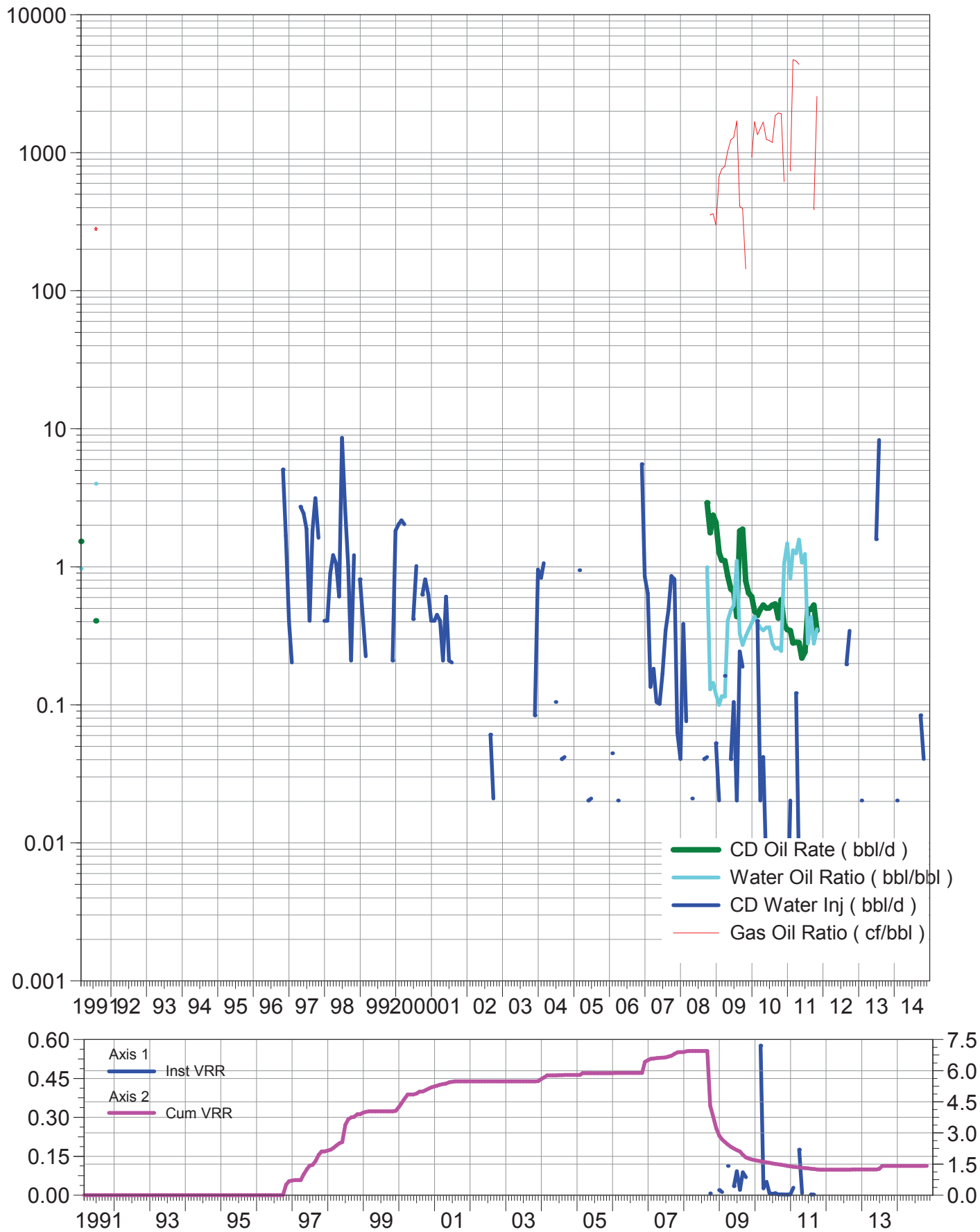
# Calendar Day Production for Pattern: 16-17 Set: SPU 1

Cumulative Oil Prod : 33.36 Mbbl



# Calendar Day Production for Pattern: 16-18 Set: SPU 1

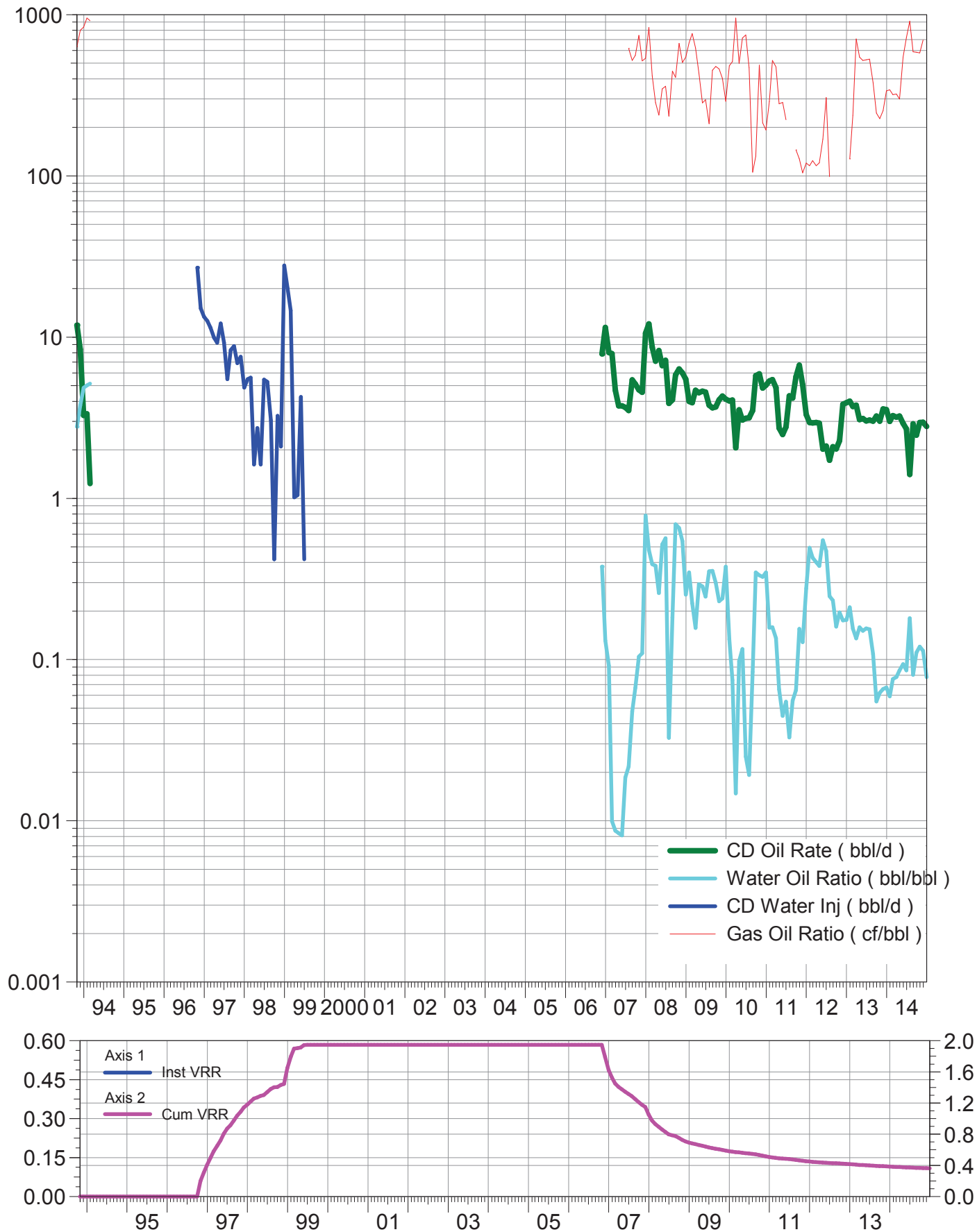
Cumulative Oil Prod : 0.98 Mbbl





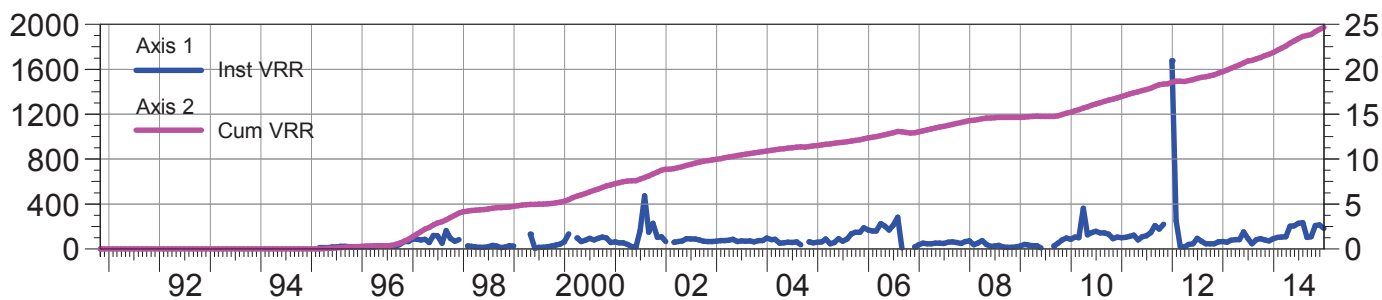
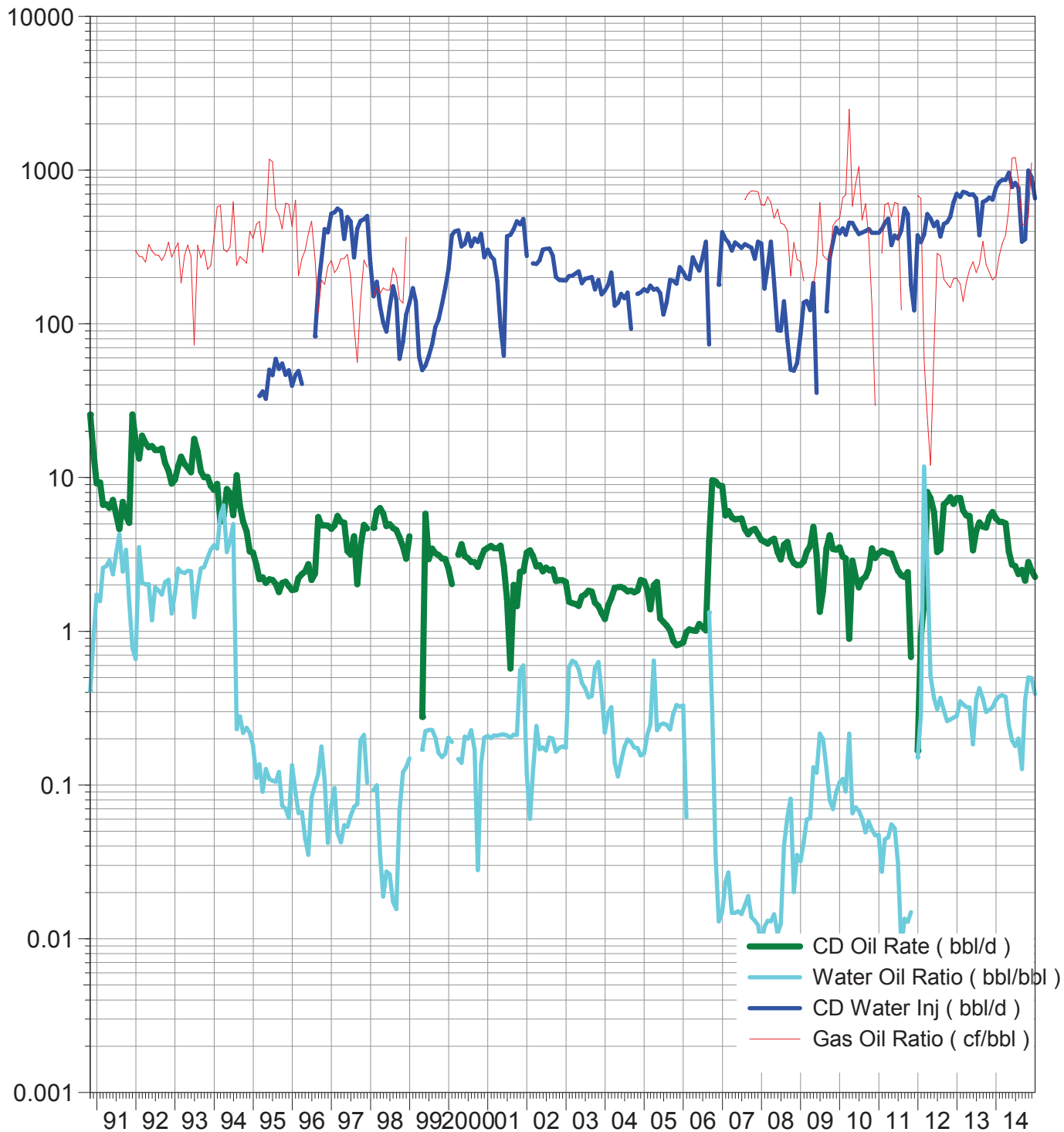
# Calendar Day Production for Pattern: 10-04 Set: SPU 1

Cumulative Oil Prod : 13.82 Mbbbl



# Calendar Day Production for Pattern: 14-17 Set: SPU 1

Cumulative Oil Prod : 39.65 Mbbbl



# Pattern: 02-08 Set: SPU 1

Axis 1 02-08

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

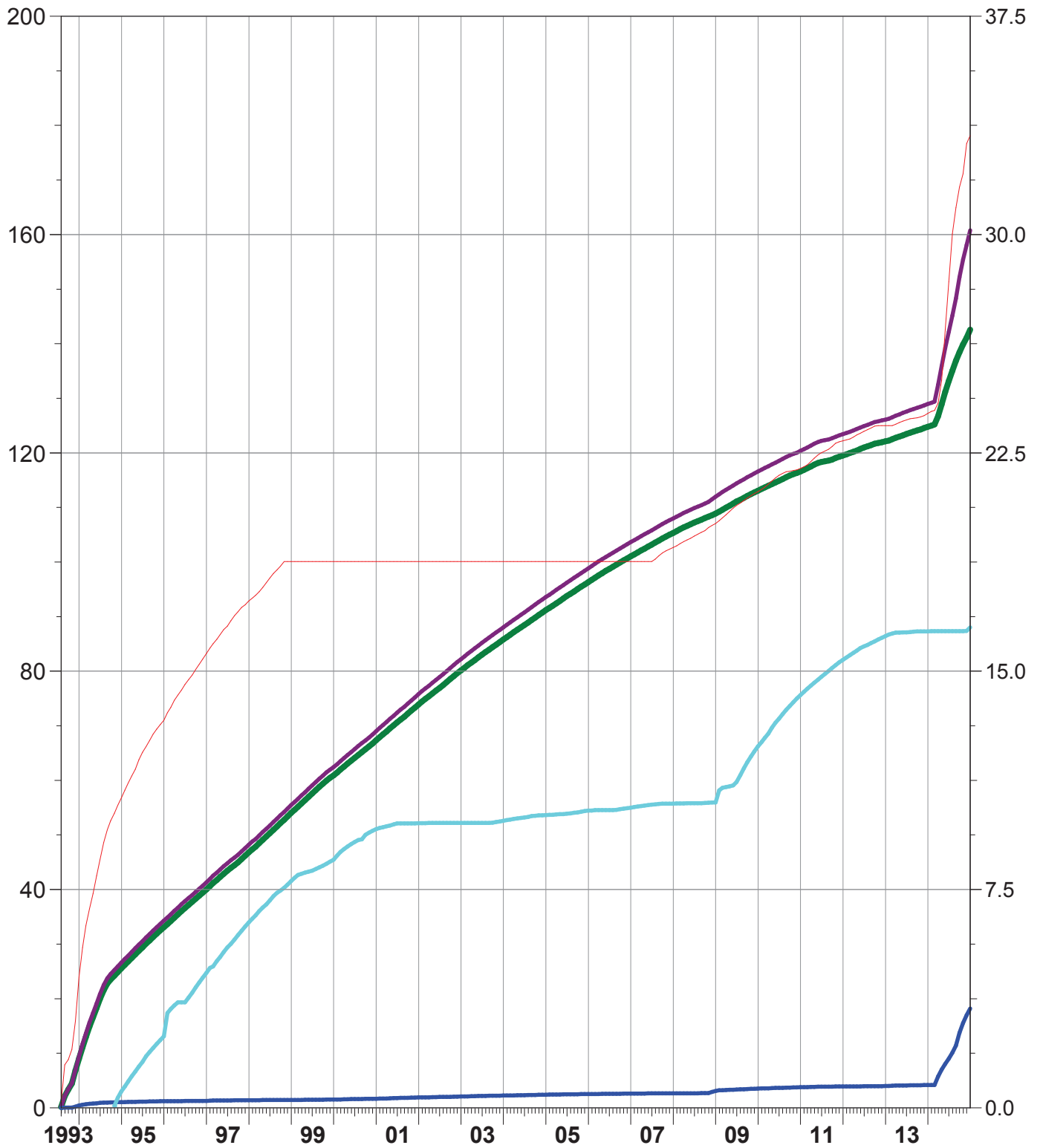
Cumulative Oil Prod : 122.11 Mbbl

Cumulative Liquid Prod : 126.10 Mbbl

Cumulative Water Prod : 3.99 Mbbl

Cumulative Water Inj : 86.42 Mbbl

Cumulative Gas Prod : 23.44 MMcf



# Pattern: 02-09 Set: SPU 1

Axis 1 02-09

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

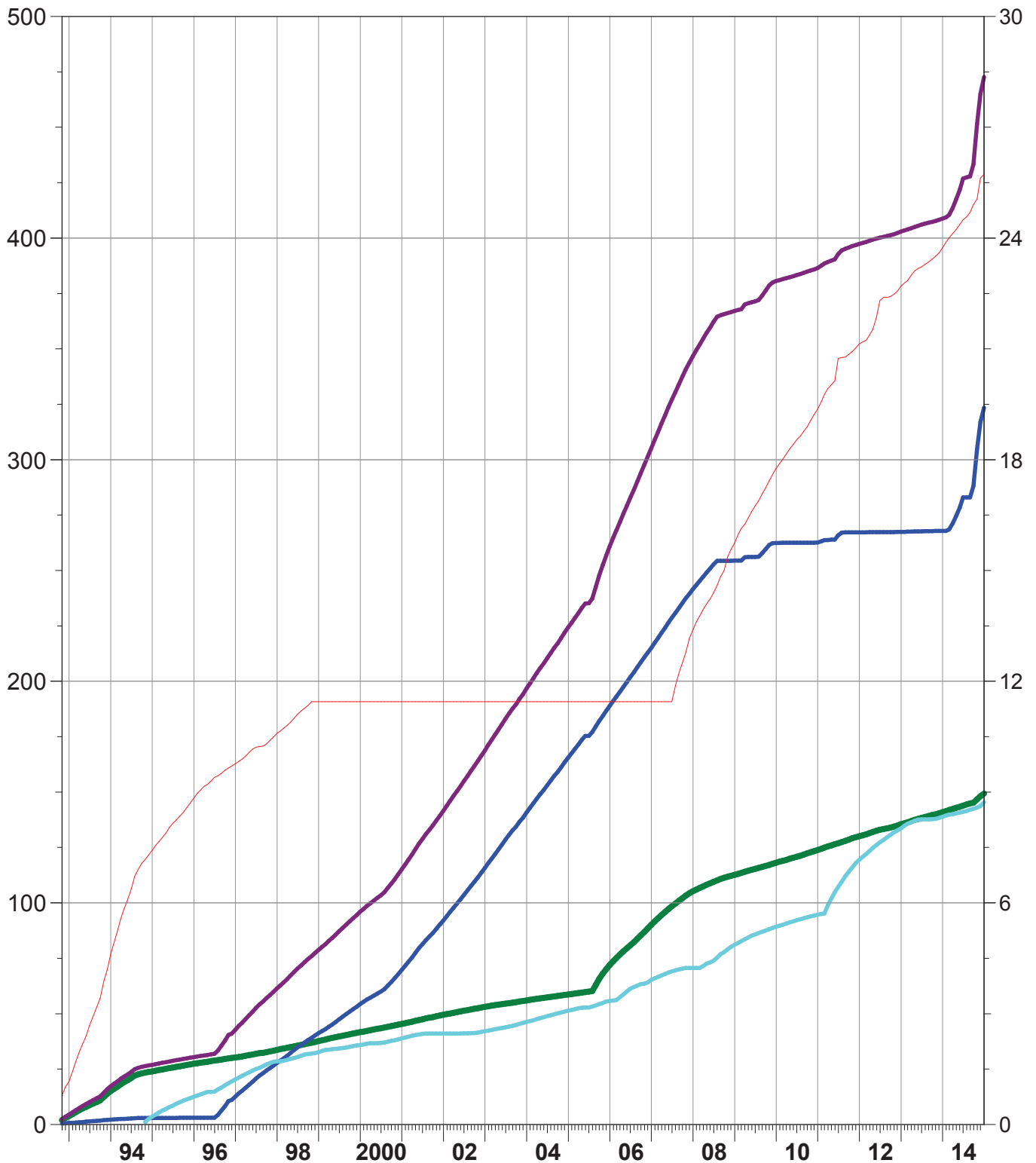
Cumulative Oil Prod : 135.47 Mbbl

Cumulative Liquid Prod : 402.88 Mbbl

Cumulative Water Prod : 267.41 Mbbl

Cumulative Water Inj : 133.51 Mbbl

Cumulative Gas Prod : 22.69 MMcf



# Pattern: 02-16 Set: SPU 1

Axis 1 02-16

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

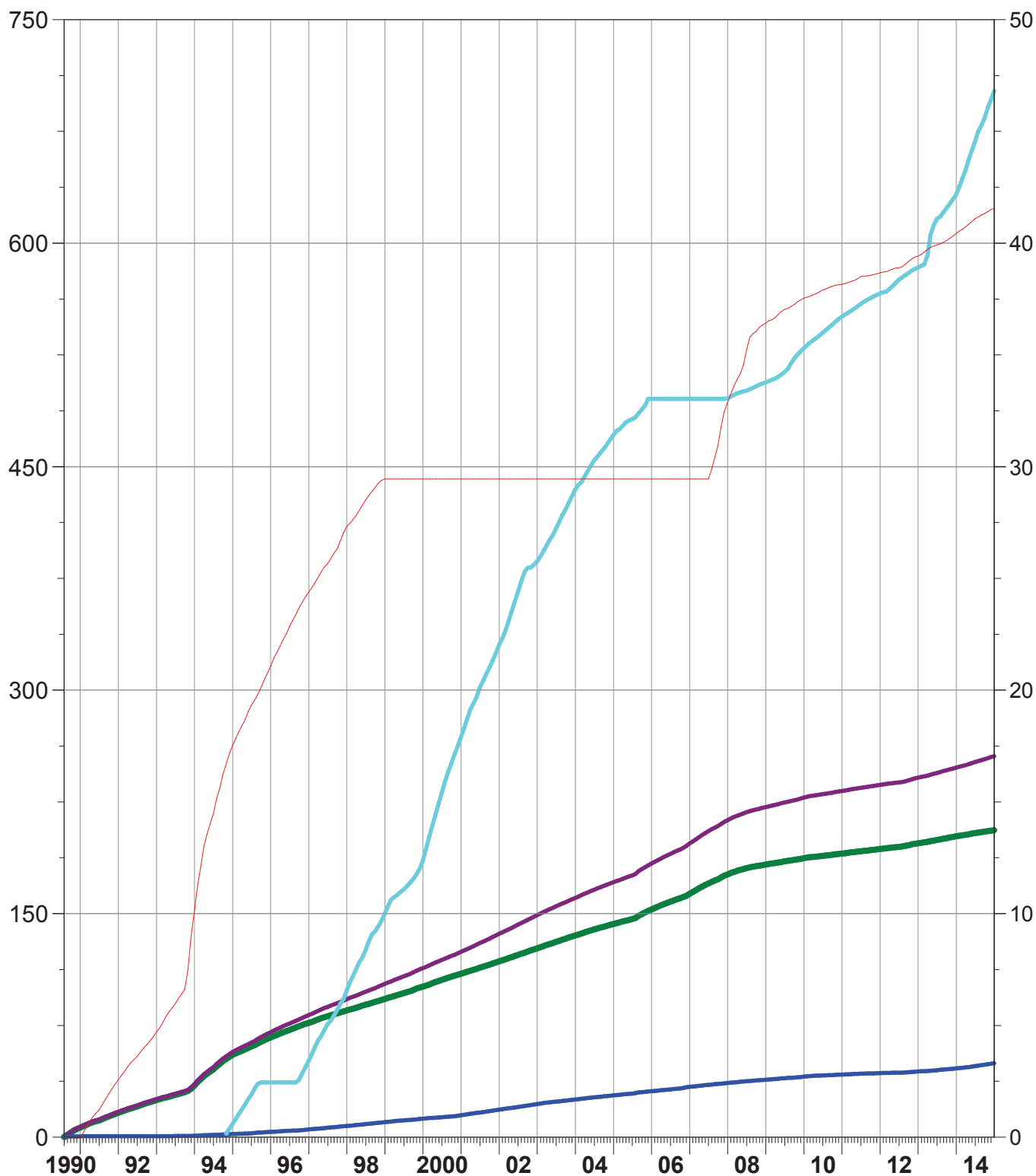
Cumulative Oil Prod : 197.22 Mbbl

Cumulative Liquid Prod : 241.23 Mbbl

Cumulative Water Prod : 44.00 Mbbl

Cumulative Water Inj : 583.66 Mbbl

Cumulative Gas Prod : 39.42 MMcf



# Pattern: 02-17 Set: SPU 1

Axis 1 02-17

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

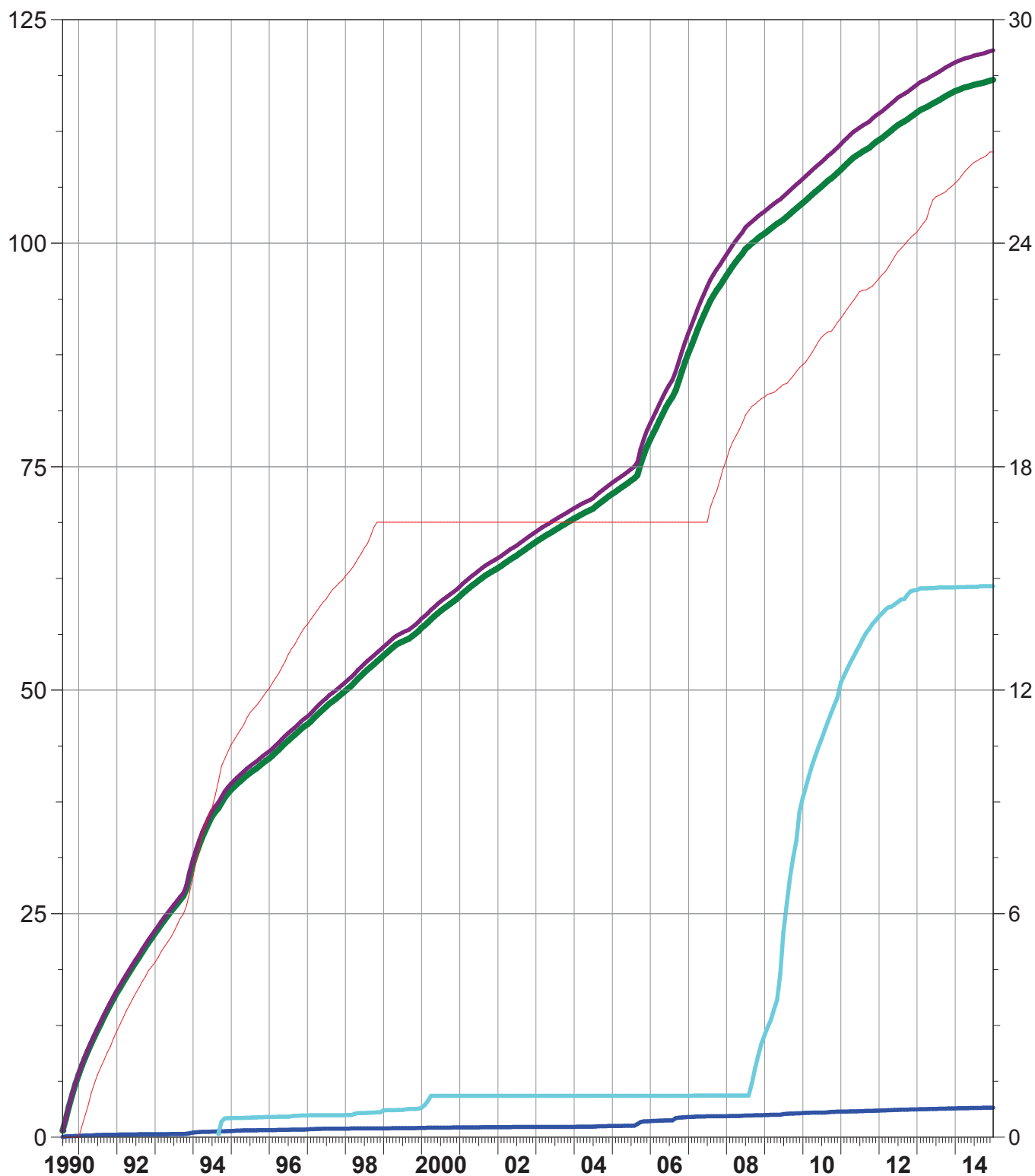
Cumulative Oil Prod : 114.64 Mbbl

Cumulative Liquid Prod : 117.75 Mbbl

Cumulative Water Prod : 3.11 Mbbl

Cumulative Water Inj : 61.20 Mbbl

Cumulative Gas Prod : 24.30 MMcf



# Pattern: 04-09 Set: SPU 1

Axis 1 04-09

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

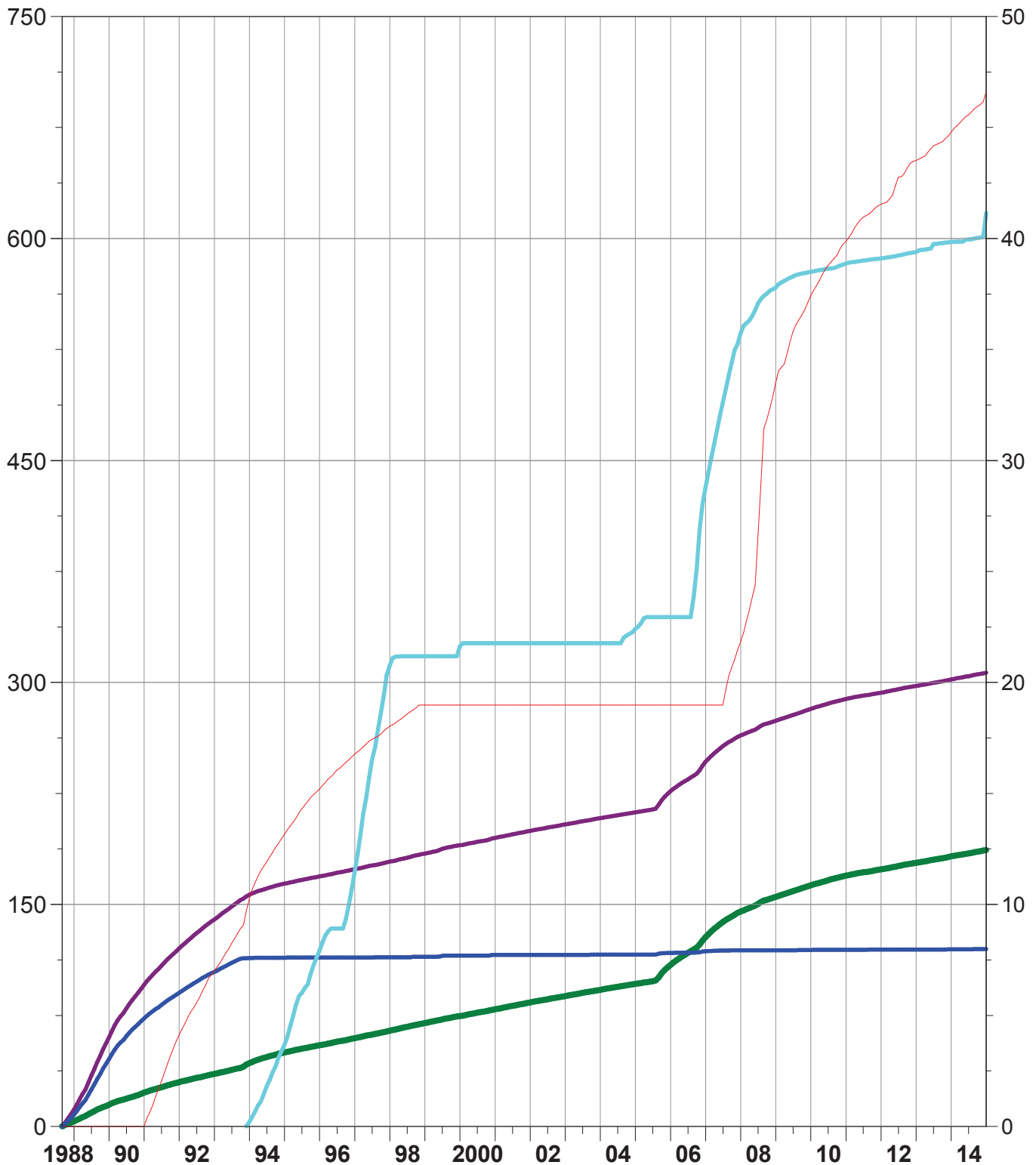
Cumulative Oil Prod : 178.09 Mbbl

Cumulative Liquid Prod : 297.60 Mbbl

Cumulative Water Prod : 119.51 Mbbl

Cumulative Water Inj : 590.86 Mbbl

Cumulative Gas Prod : 43.51 MMcf



# Pattern: 04-15 Set: SPU 1

Axis 1 04-15

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

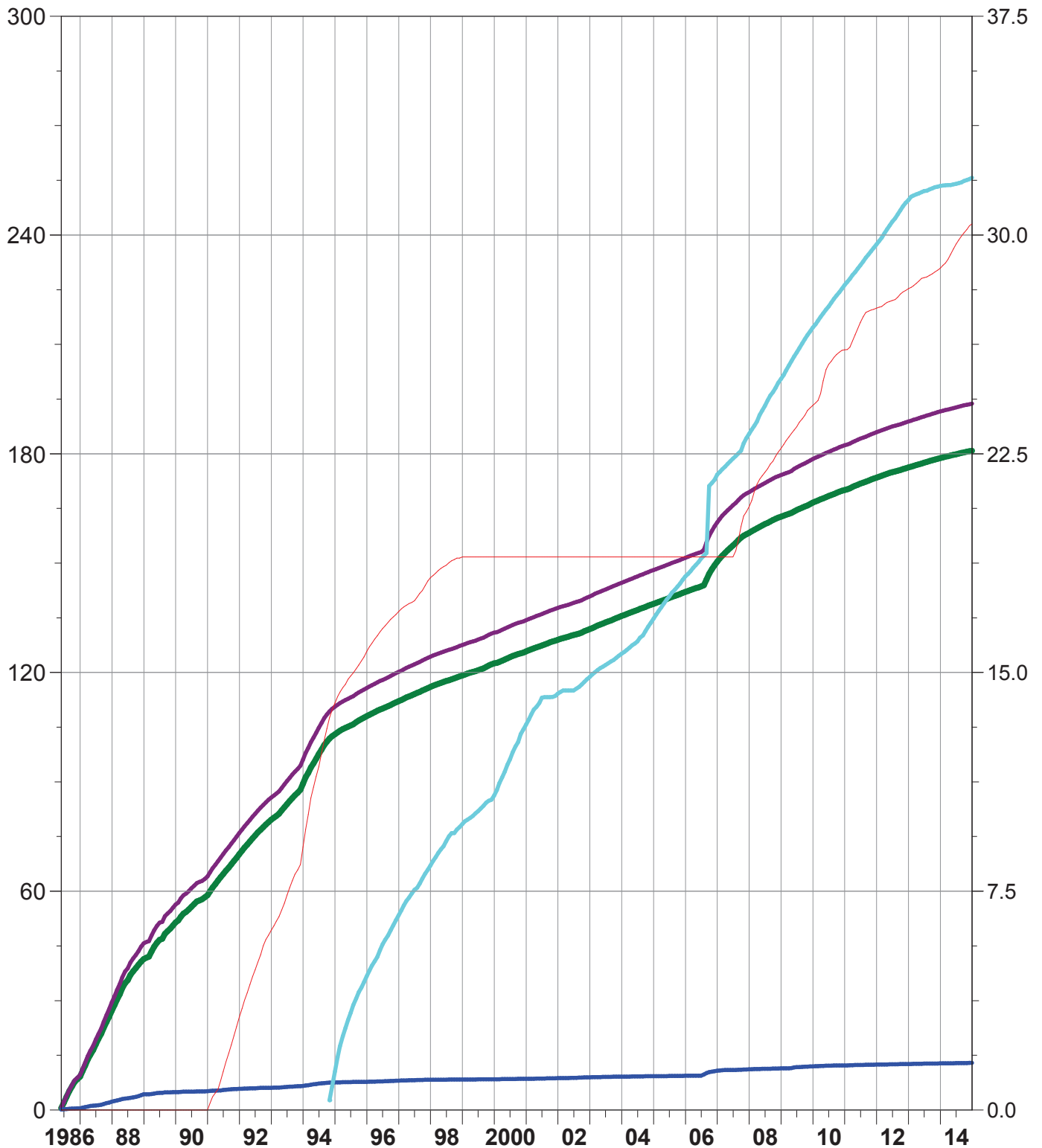
Cumulative Oil Prod : 176.22 Mbbl

Cumulative Liquid Prod : 188.83 Mbbl

Cumulative Water Prod : 12.61 Mbbl

Cumulative Water Inj : 249.62 Mbbl

Cumulative Gas Prod : 28.16 MMcf





# Pattern: 04-16 Set: SPU 1

Axis 1 04-16

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

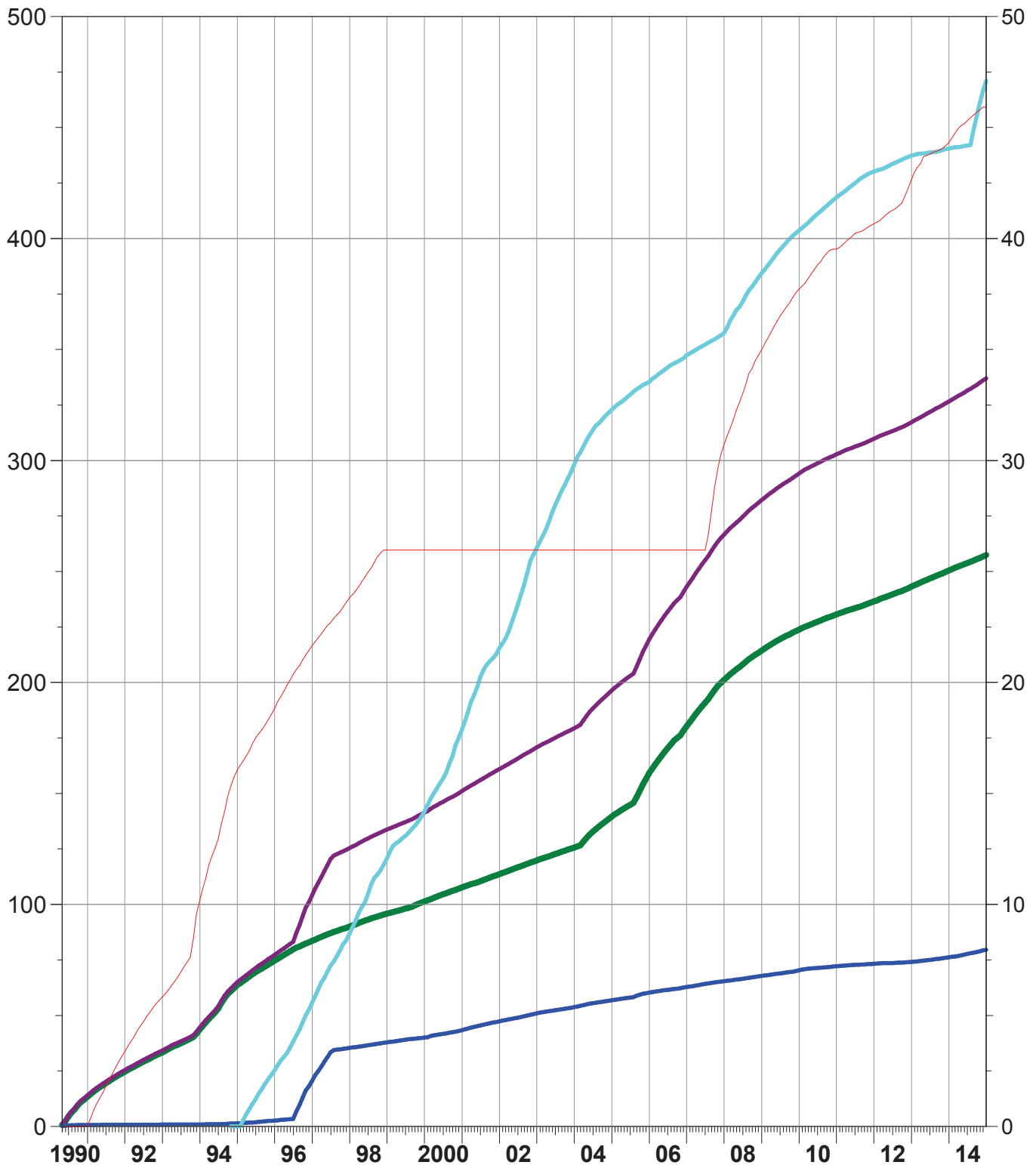
Cumulative Oil Prod : 243.09 Mbbl

Cumulative Liquid Prod : 317.18 Mbbl

Cumulative Water Prod : 74.09 Mbbl

Cumulative Water Inj : 437.30 Mbbl

Cumulative Gas Prod : 42.63 MMcf



# Pattern: 04-17 Set: SPU 1

Axis 1 04-17

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

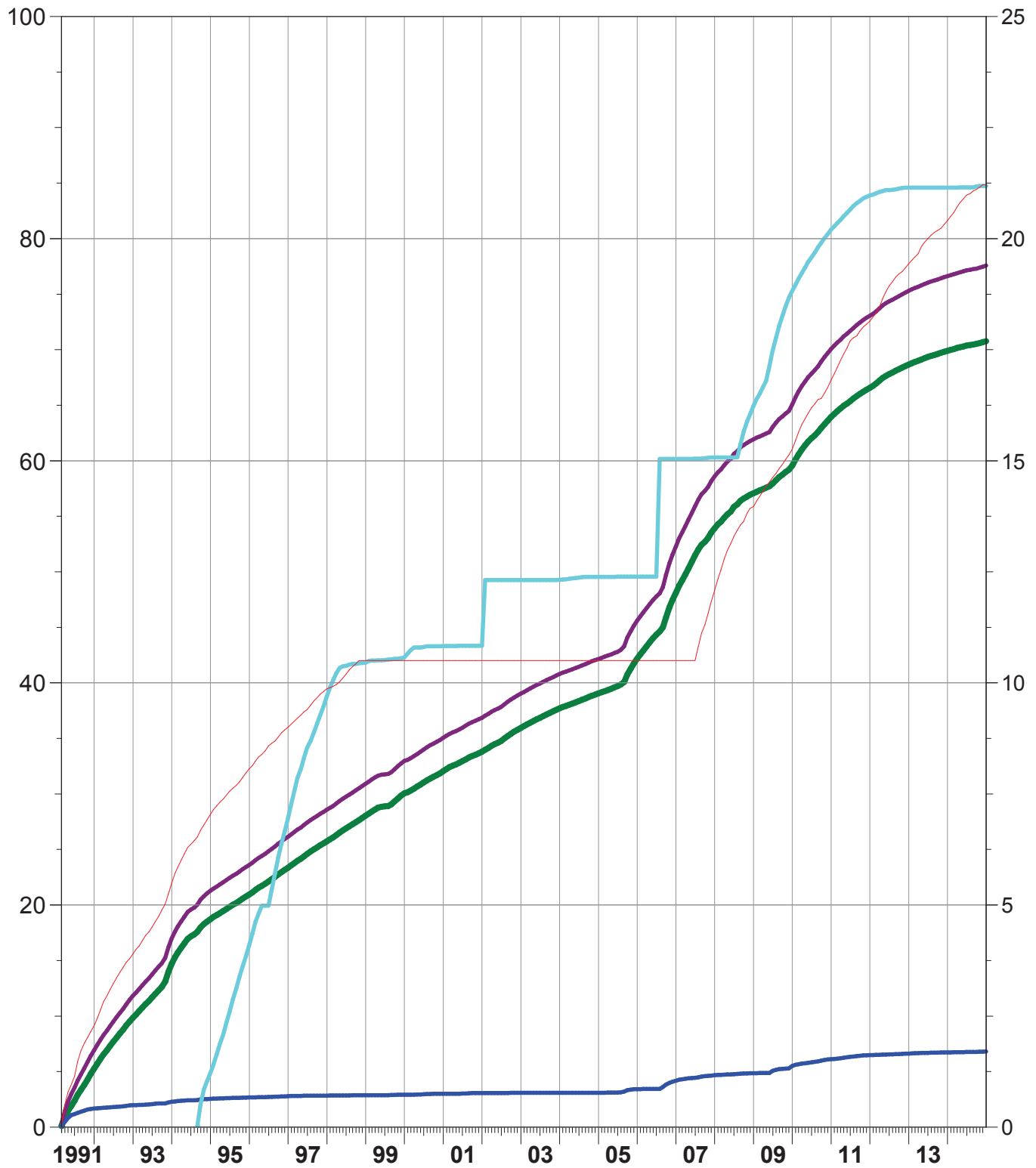
Cumulative Oil Prod : 68.66 Mbbl

Cumulative Liquid Prod : 75.29 Mbbl

Cumulative Water Prod : 6.62 Mbbl

Cumulative Water Inj : 84.58 Mbbl

Cumulative Gas Prod : 19.43 MMcf



# Pattern: 06-08 Set: SPU 1

Axis 1 06-08

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

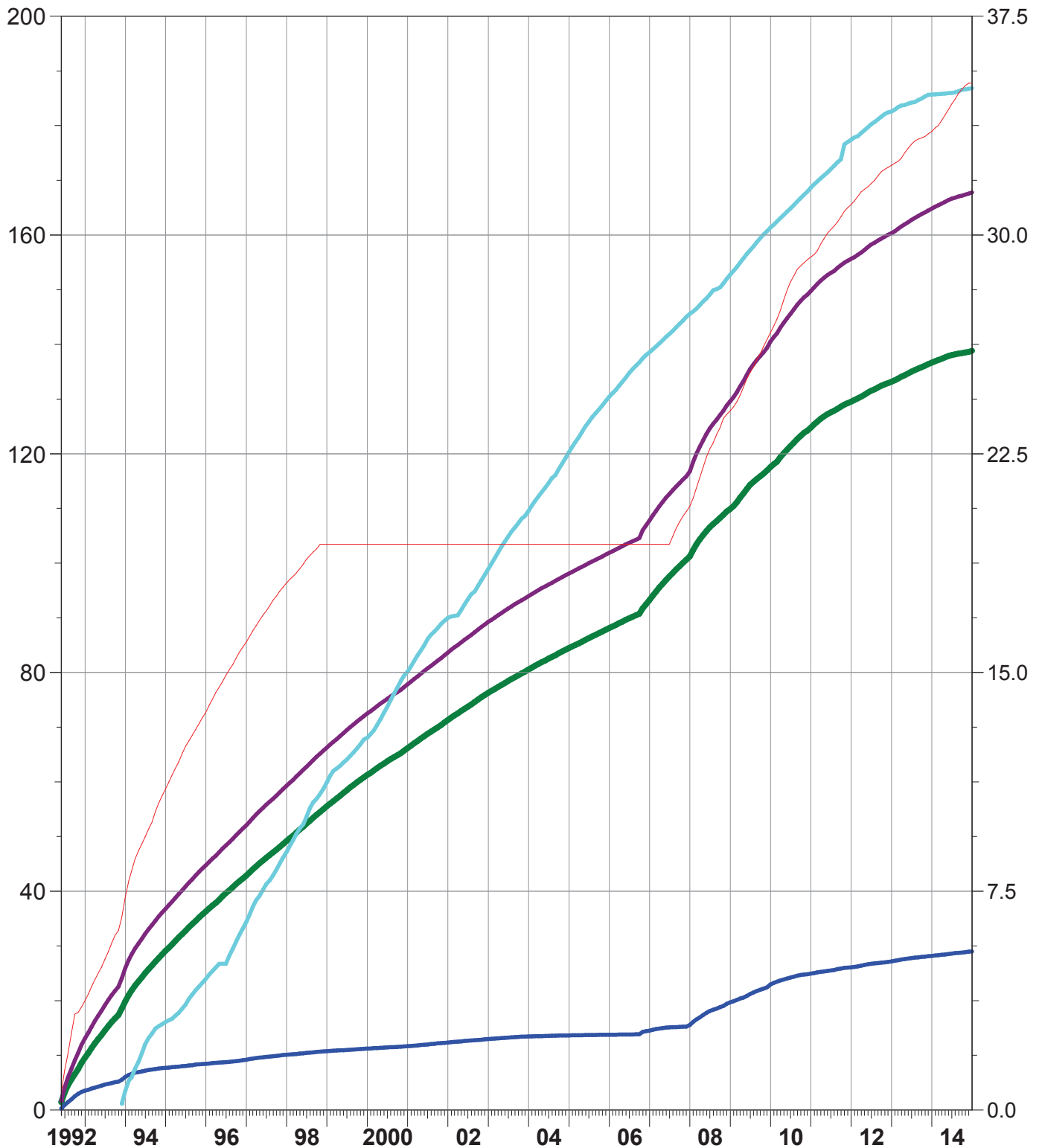
Cumulative Oil Prod : 133.17 Mbbl

Cumulative Liquid Prod : 160.34 Mbbl

Cumulative Water Prod : 27.17 Mbbl

Cumulative Water Inj : 182.57 Mbbl

Cumulative Gas Prod : 32.39 MMcf



# Pattern: 06-09 Set: SPU 1

Axis 1 06-09

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

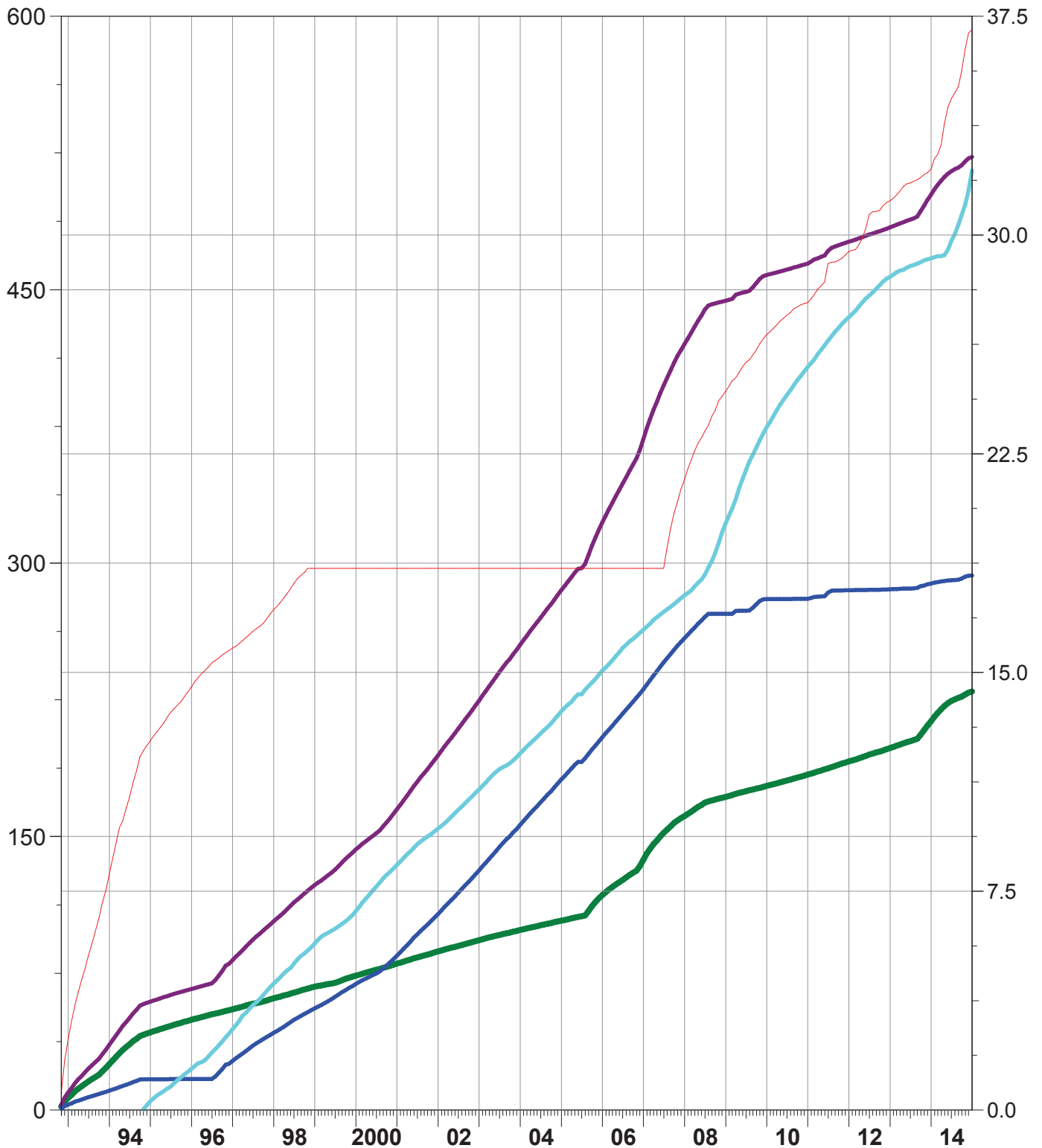
Cumulative Oil Prod : 198.56 Mbbl

Cumulative Liquid Prod : 484.20 Mbbl

Cumulative Water Prod : 285.64 Mbbl

Cumulative Water Inj : 456.93 Mbbl

Cumulative Gas Prod : 31.17 MMcf



# Pattern: 06-16 Set: SPU 1

Axis 1 06-16

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

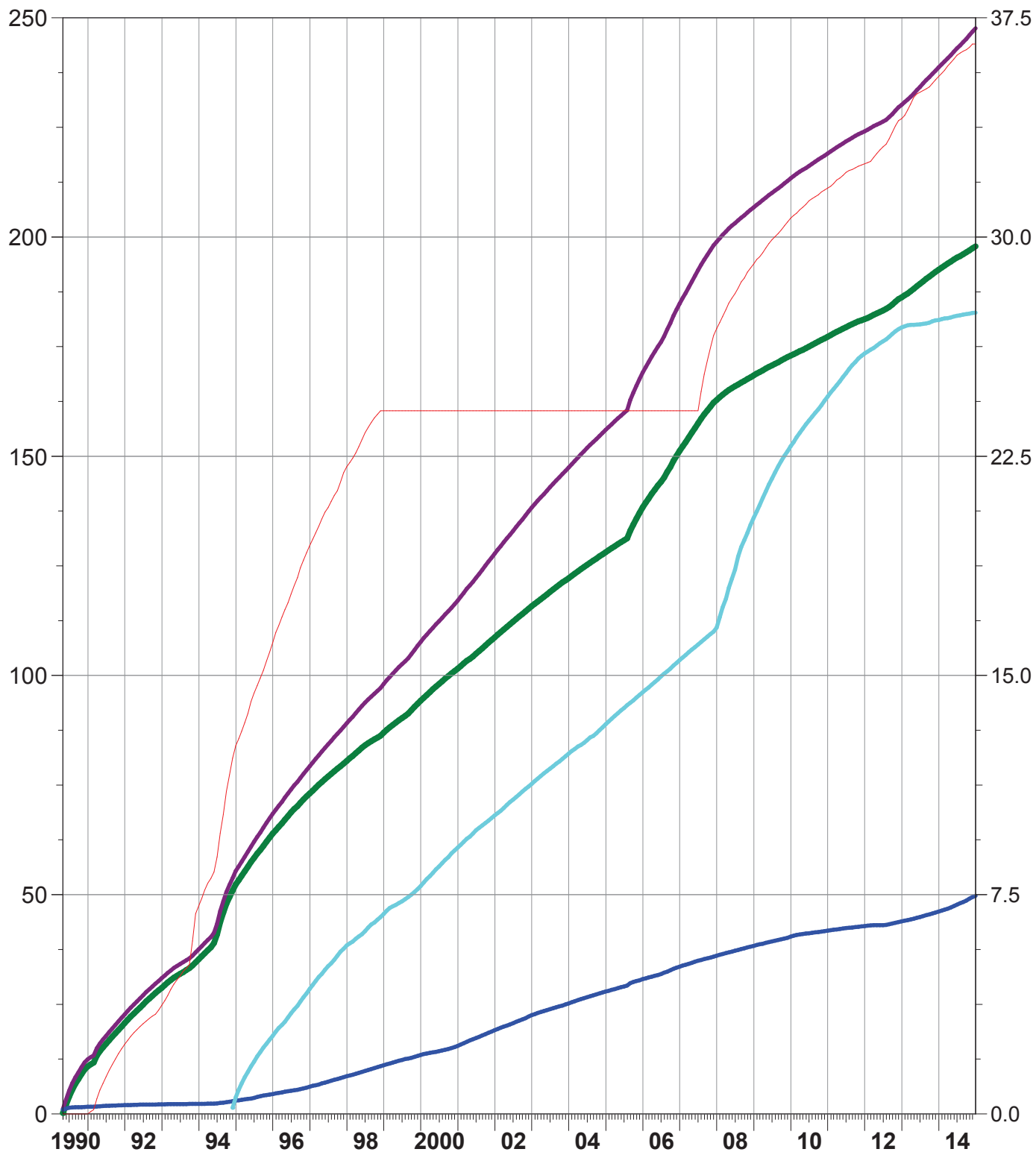
Cumulative Oil Prod : 186.23 Mbbl

Cumulative Liquid Prod : 230.12 Mbbl

Cumulative Water Prod : 43.89 Mbbl

Cumulative Water Inj : 179.36 Mbbl

Cumulative Gas Prod : 34.04 MMcf



# Pattern: 06-17 Set: SPU 1

Axis 1 06-17

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

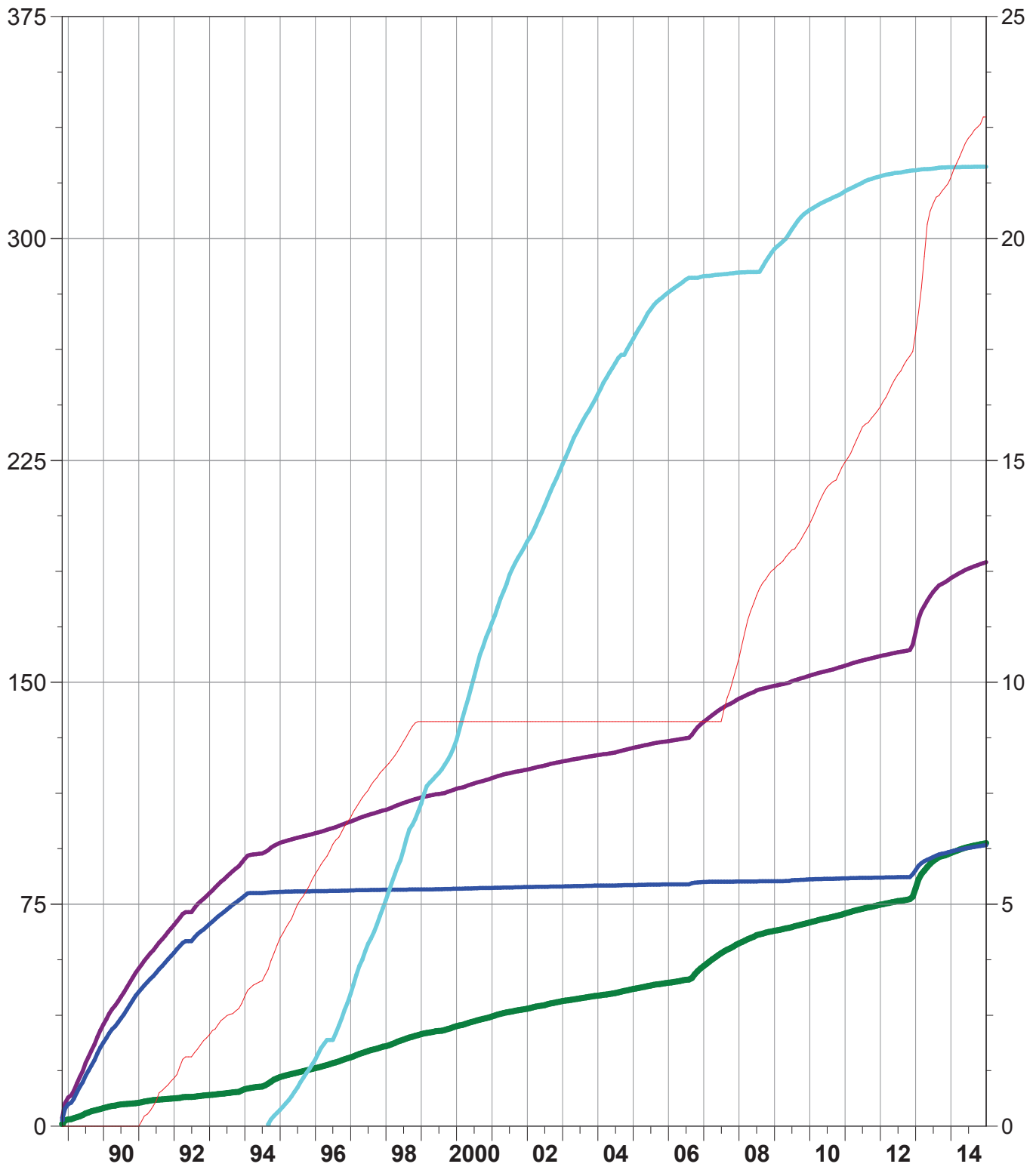
**Cumulative Oil Prod : 80.41 Mbbl**

**Cumulative Liquid Prod : 166.91 Mbbl**

**Cumulative Water Prod : 86.49 Mbbl**

**Cumulative Water Inj : 323.03 Mbbl**

**Cumulative Gas Prod : 17.88 MMcf**



# Pattern: 08-08 Set: SPU 1

Axis 1 08-08

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

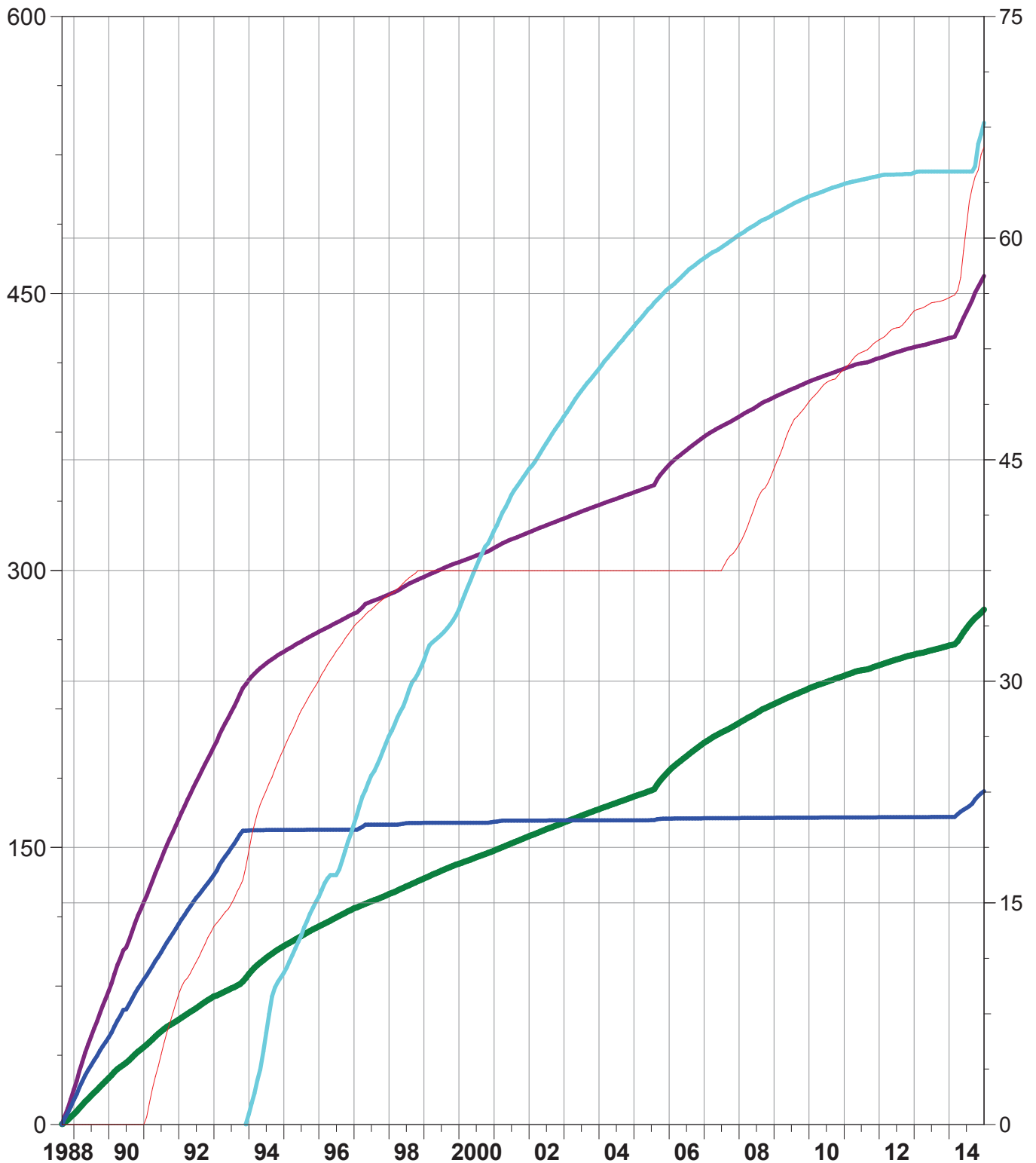
Cumulative Oil Prod : 254.48 Mbbl

Cumulative Liquid Prod : 420.89 Mbbl

Cumulative Water Prod : 166.41 Mbbl

Cumulative Water Inj : 515.41 Mbbl

Cumulative Gas Prod : 55.07 MMcf



# Pattern: 08-09 Set: SPU 1

Axis 1 08-09

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

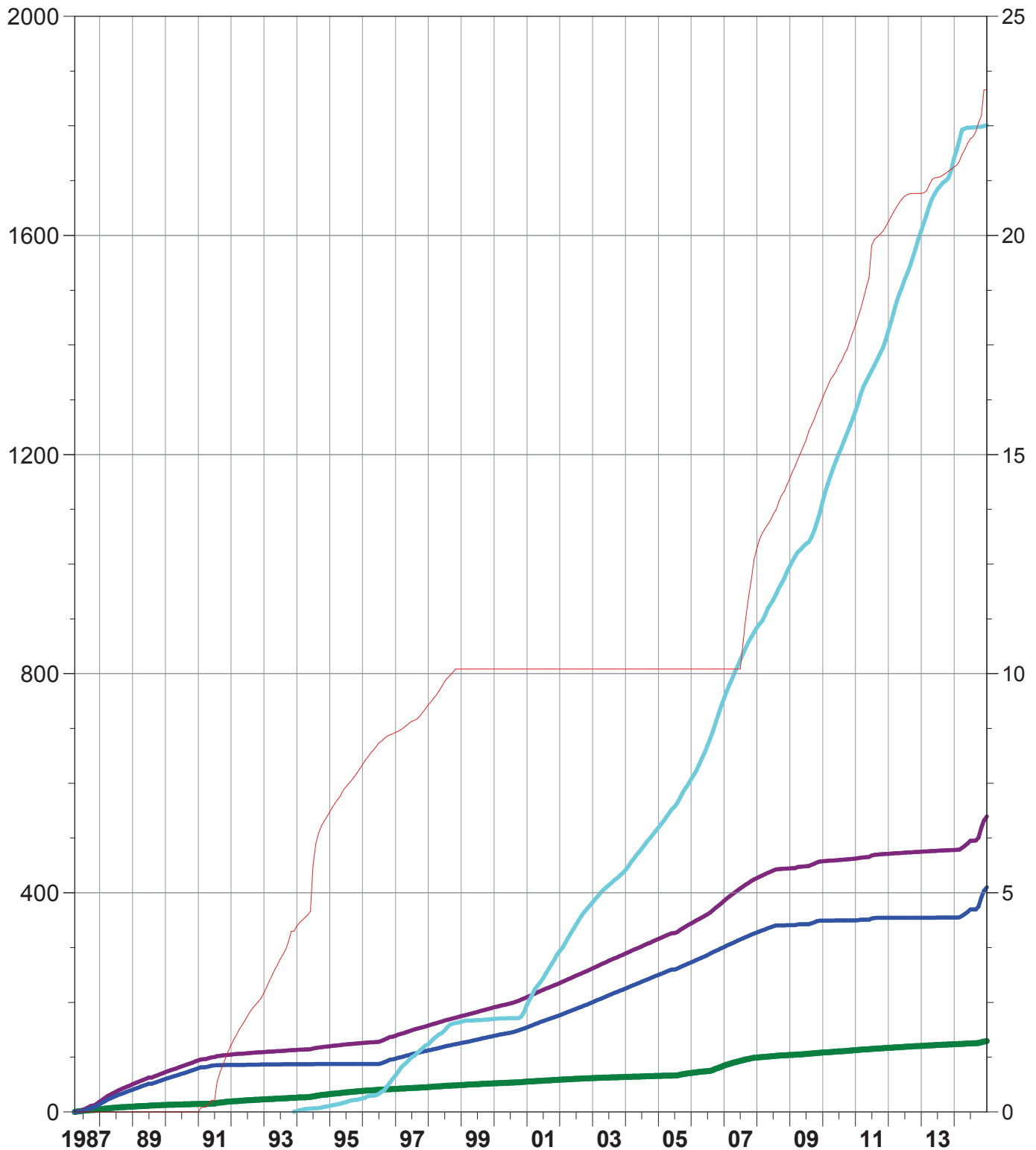
Cumulative Oil Prod : 120.48 Mbbl

Cumulative Liquid Prod : 475.02 Mbbl

Cumulative Water Prod : 354.54 Mbbl

Cumulative Water Inj : 1608.65 Mbbl

Cumulative Gas Prod : 20.96 MMcf





# Pattern: 08-16 Set: SPU 1

Axis 1 08-16

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

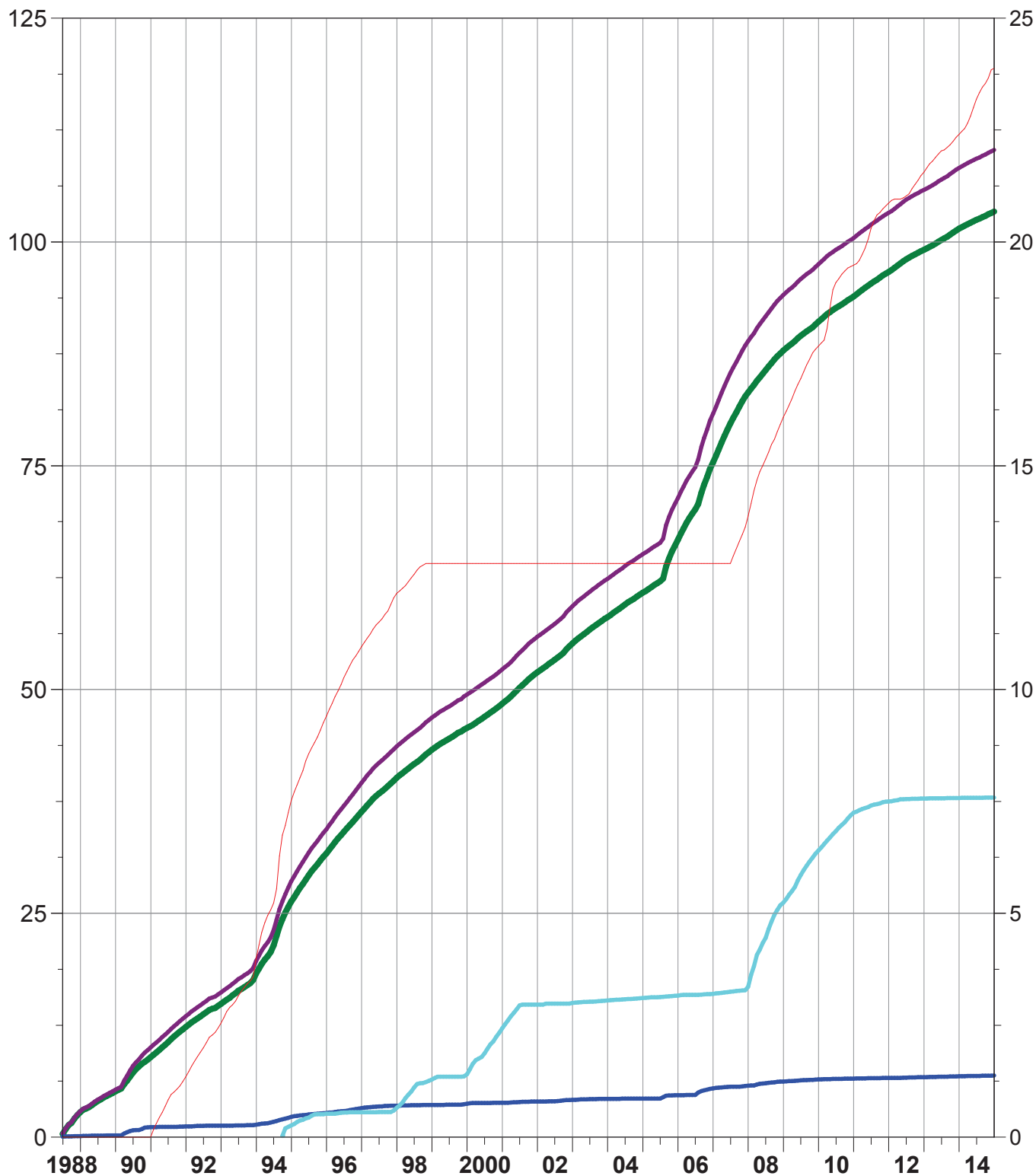
Cumulative Oil Prod : 99.12 Mbbl

Cumulative Liquid Prod : 105.81 Mbbl

Cumulative Water Prod : 6.70 Mbbl

Cumulative Water Inj : 37.82 Mbbl

Cumulative Gas Prod : 21.56 MMcf



# Pattern: 08-17 Set: SPU 1

Axis 1 08-17

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

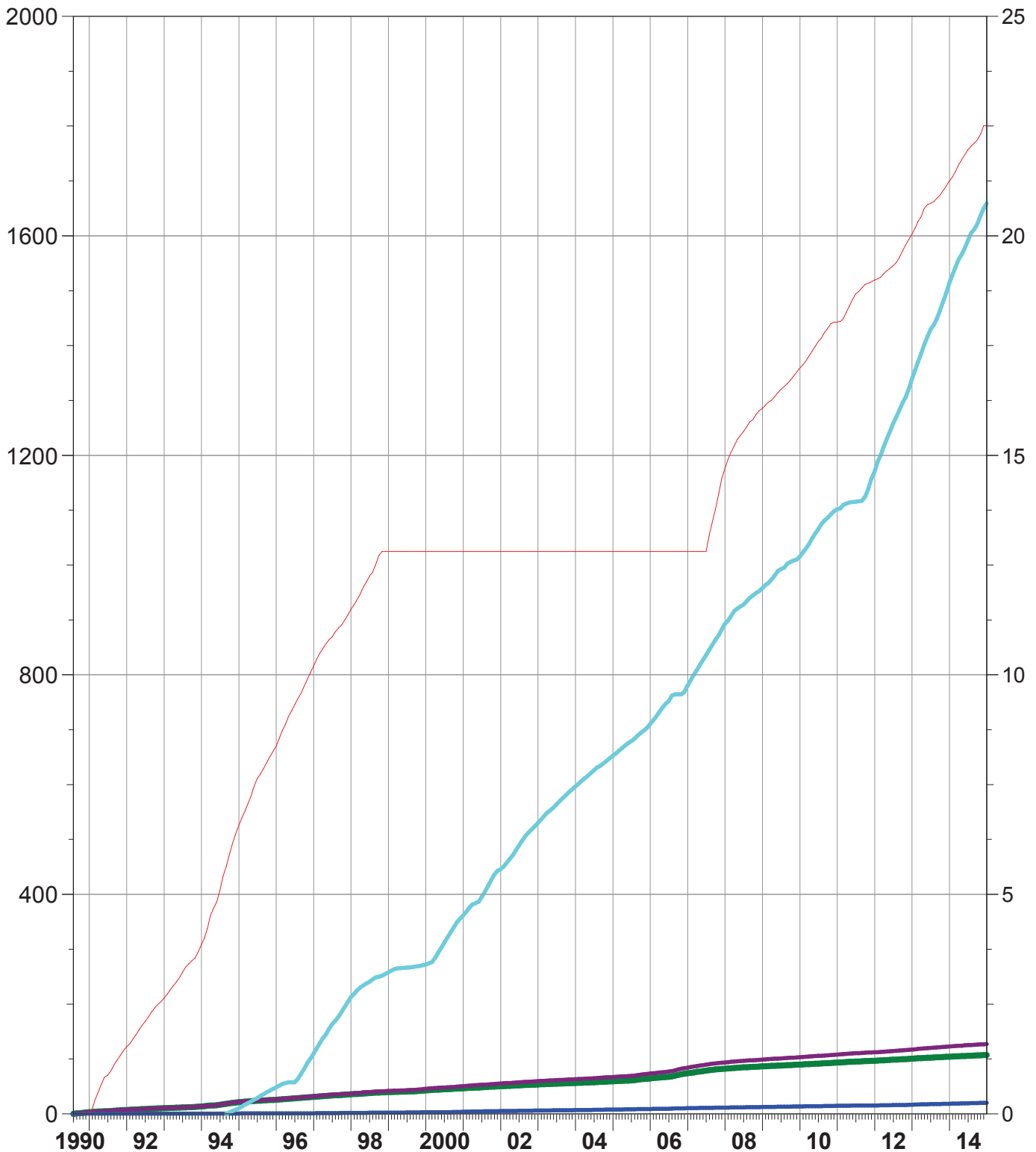
Cumulative Oil Prod : 100.55 Mbbl

Cumulative Liquid Prod : 117.06 Mbbl

Cumulative Water Prod : 16.51 Mbbl

Cumulative Water Inj : 1339.79 Mbbl

Cumulative Gas Prod : 20.04 MMcf



# Pattern: 08-18 Set: SPU 1

Axis 1 08-18

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

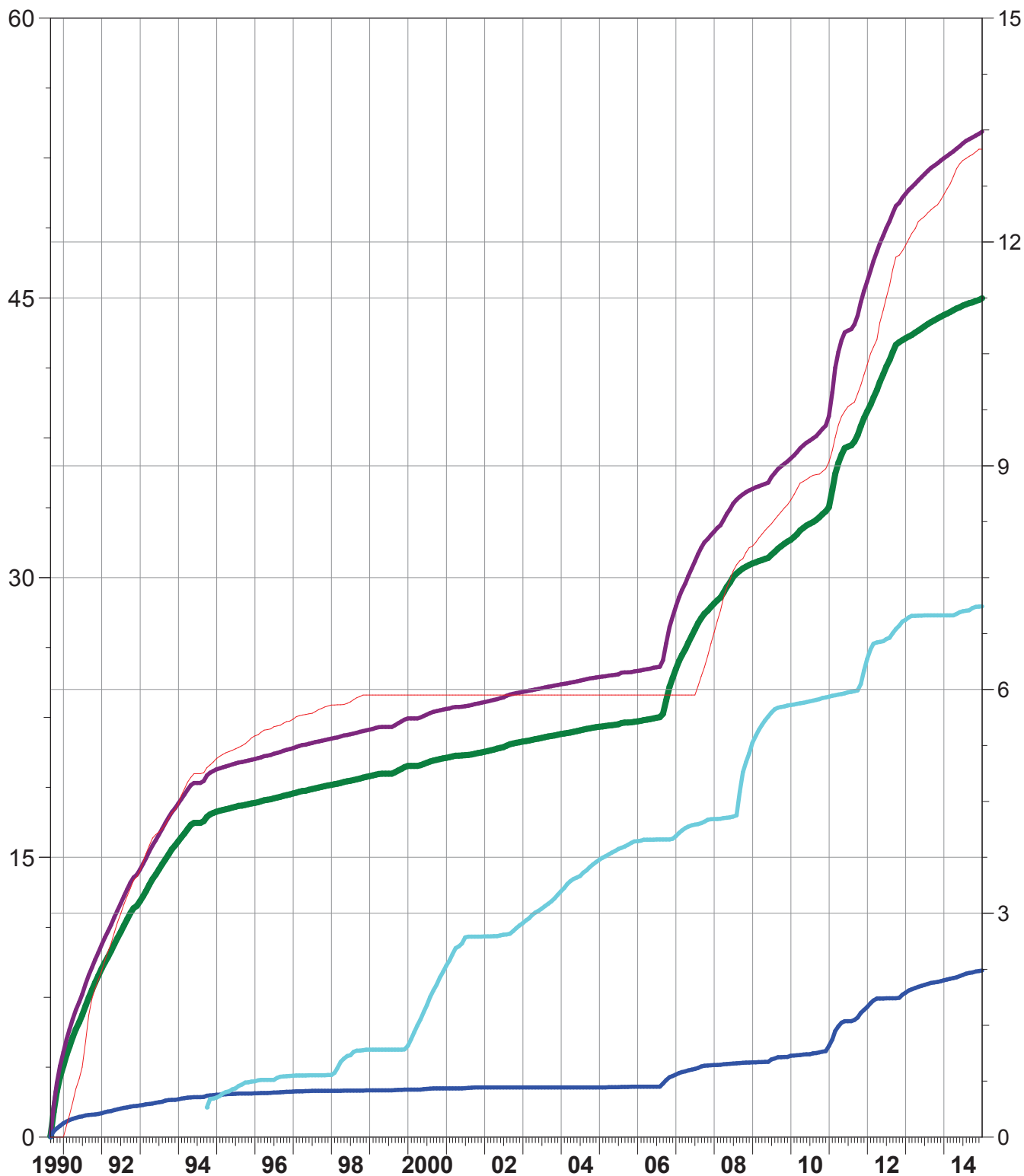
Cumulative Oil Prod : 42.84 Mbbl

Cumulative Liquid Prod : 50.58 Mbbl

Cumulative Water Prod : 7.74 Mbbl

Cumulative Water Inj : 27.74 Mbbl

Cumulative Gas Prod : 11.96 MMcf



# Pattern: 10-08 Set: SPU 1

Axis 1 10-08

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

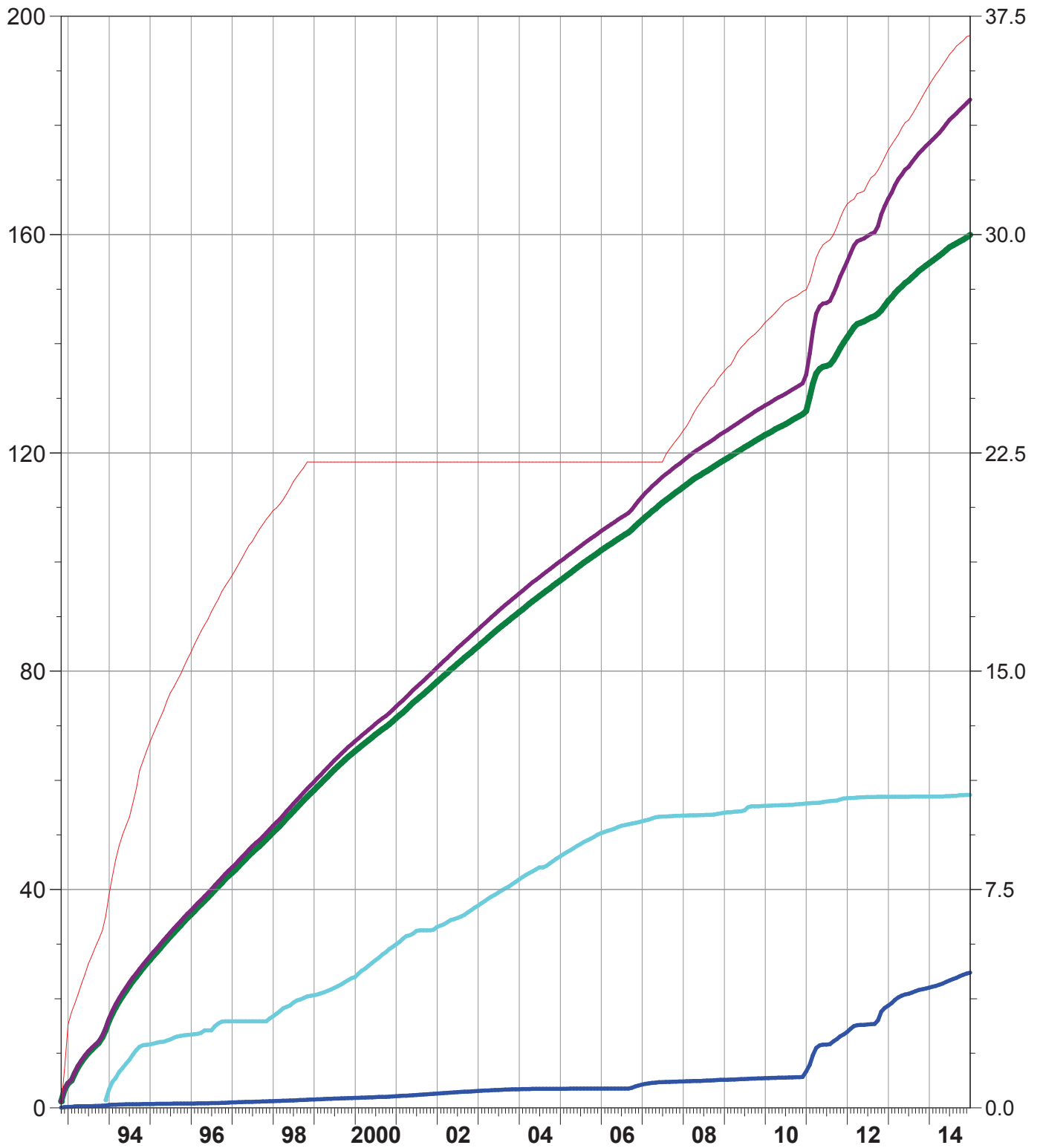
Cumulative Oil Prod : 147.85 Mbbl

Cumulative Liquid Prod : 166.58 Mbbl

Cumulative Water Prod : 18.73 Mbbl

Cumulative Water Inj : 56.98 Mbbl

Cumulative Gas Prod : 32.90 MMcf



# Pattern: 10-09 Set: SPU 1

Axis 1 10-09

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

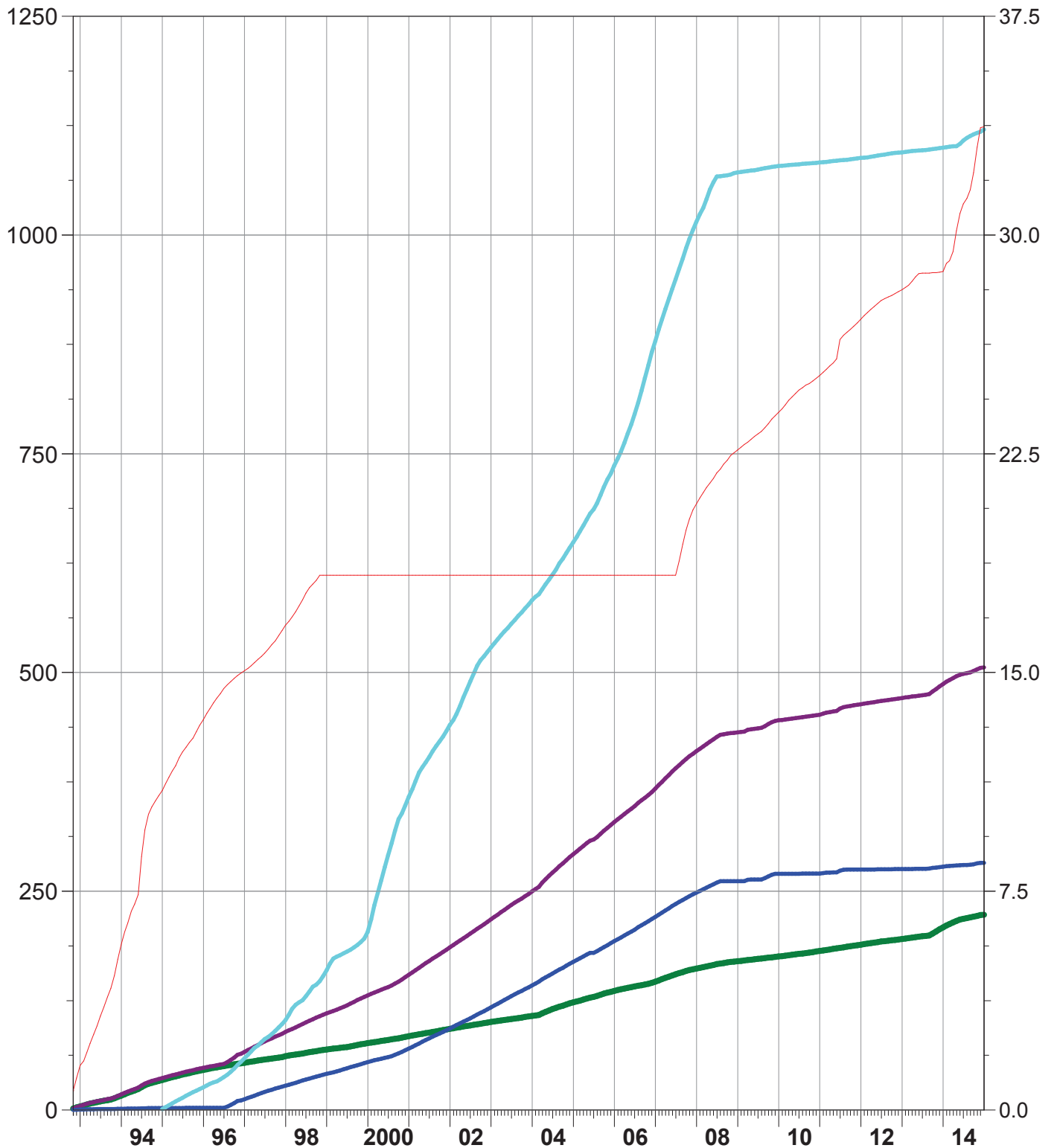
**Cumulative Oil Prod : 195.45 Mbbl**

**Cumulative Liquid Prod : 470.77 Mbbl**

**Cumulative Water Prod : 275.32 Mbbl**

**Cumulative Water Inj : 1094.46 Mbbl**

**Cumulative Gas Prod : 28.12 MMcf**



# Pattern: 10-16 Set: SPU 1

Axis 1 10-16

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

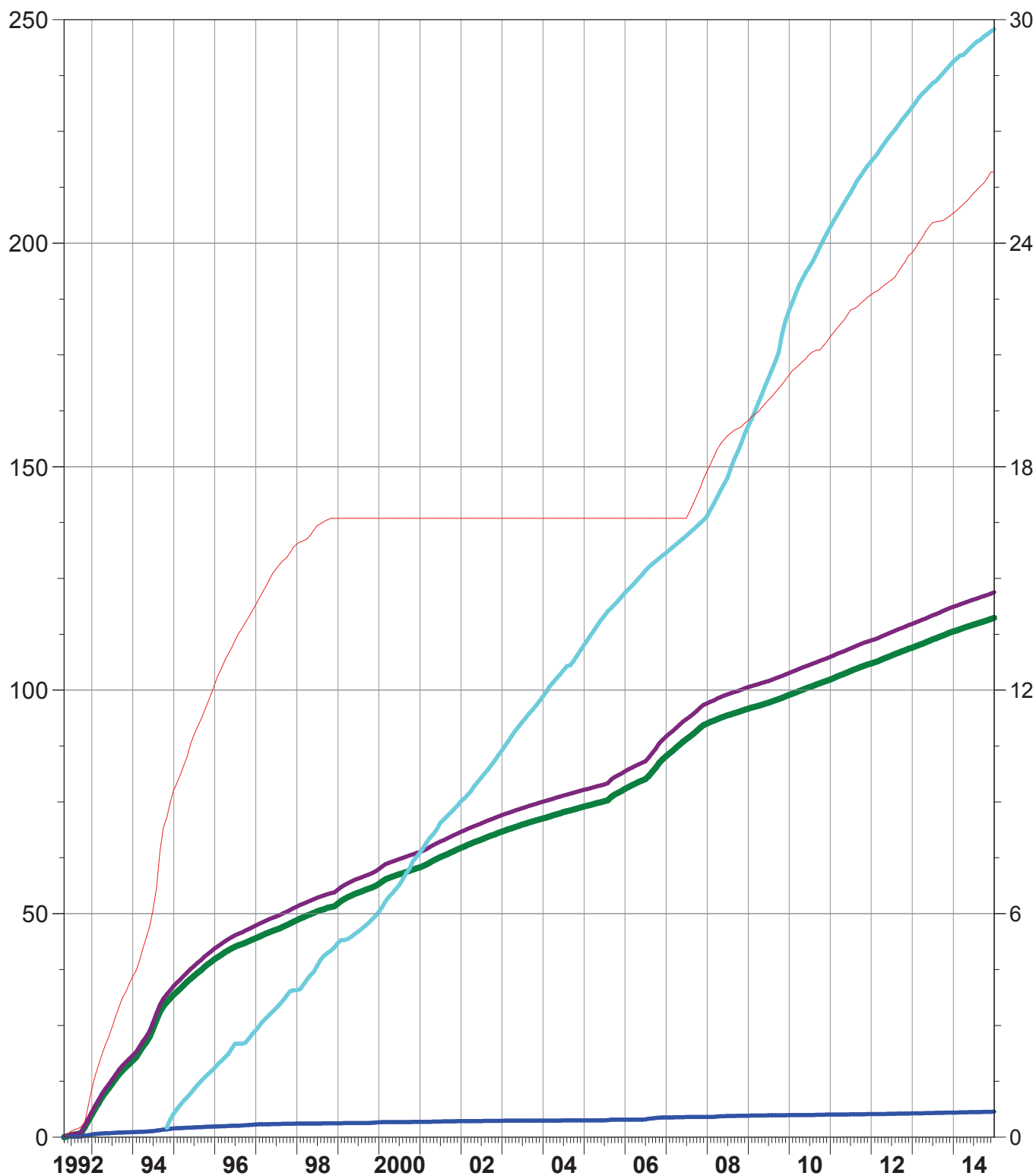
Cumulative Oil Prod : 109.52 Mbbl

Cumulative Liquid Prod : 114.82 Mbbl

Cumulative Water Prod : 5.30 Mbbl

Cumulative Water Inj : 230.46 Mbbl

Cumulative Gas Prod : 23.75 MMcf



# Pattern: 10-17 Set: SPU 1

Axis 1 10-17

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

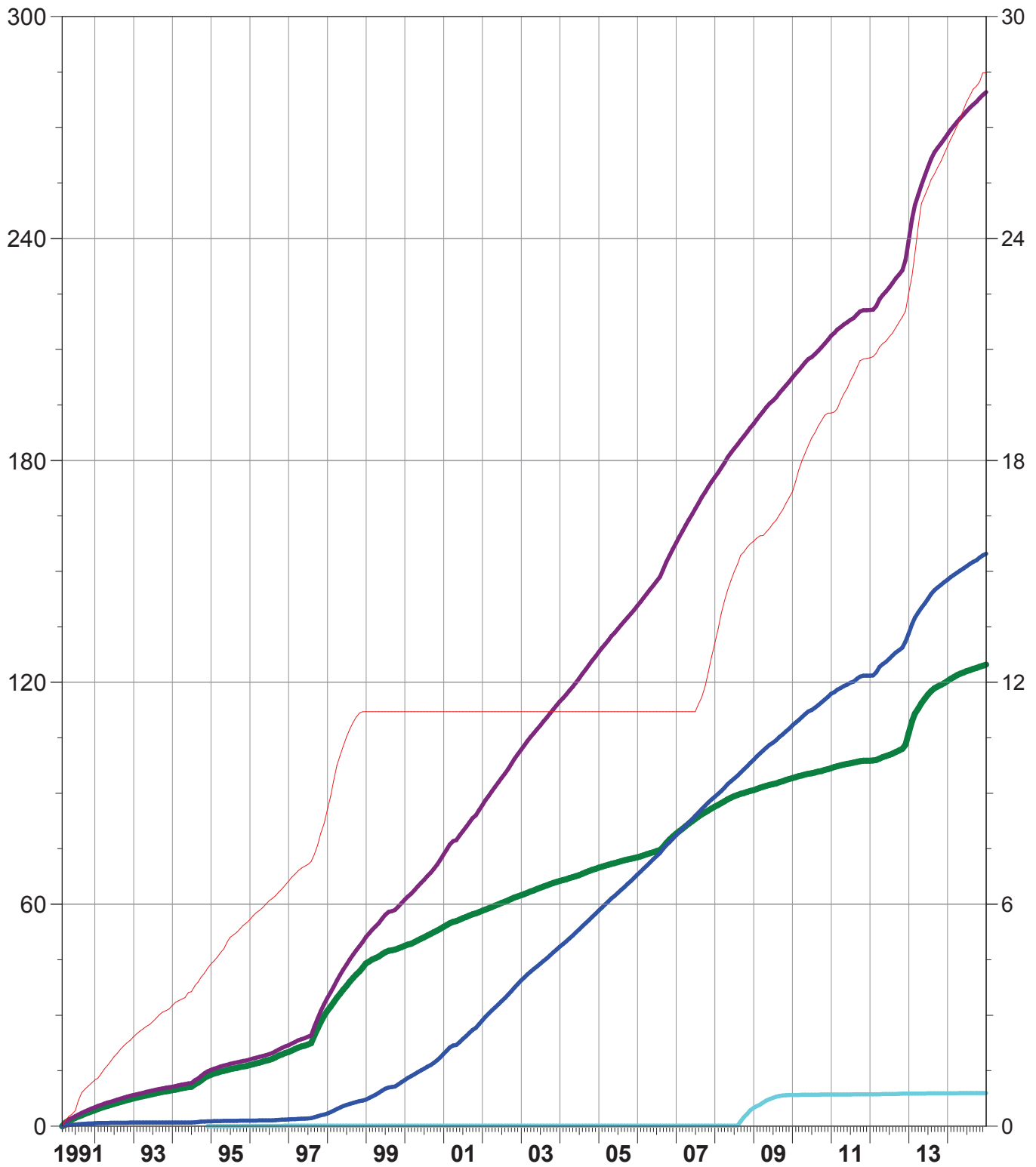
Cumulative Oil Prod : 106.21 Mbbl

Cumulative Liquid Prod : 239.35 Mbbl

Cumulative Water Prod : 133.15 Mbbl

Cumulative Water Inj : 8.82 Mbbl

Cumulative Gas Prod : 22.51 MMcf



# Pattern: 12-04 Set: SPU 1

Axis 1 12-04

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

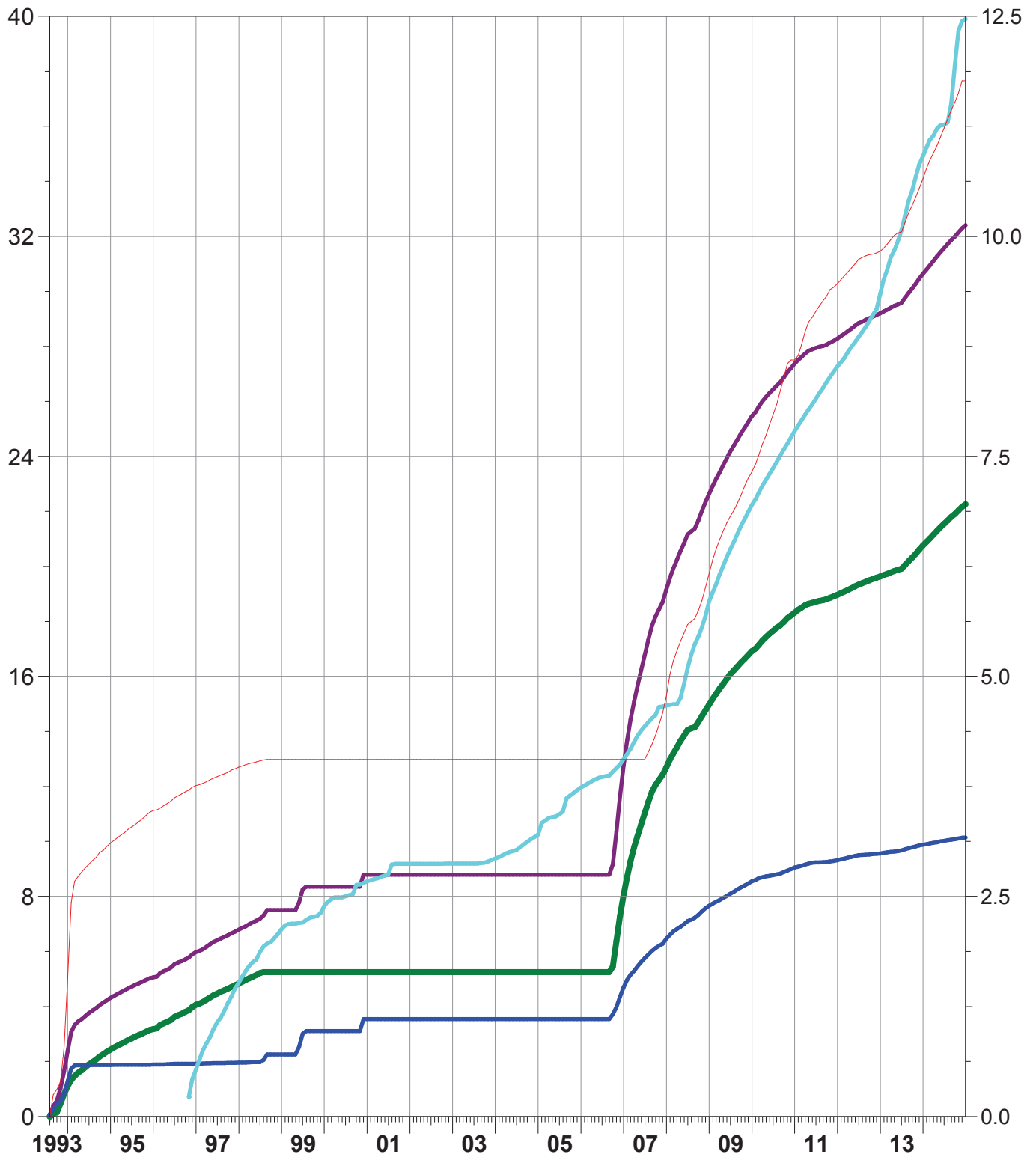
Cumulative Oil Prod : 19.64 Mbbl

Cumulative Liquid Prod : 29.20 Mbbl

Cumulative Water Prod : 9.56 Mbbl

Cumulative Water Inj : 29.90 Mbbl

Cumulative Gas Prod : 9.83 MMcf





# Pattern: 12-08 Set: SPU 1

Axis 1 12-08

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

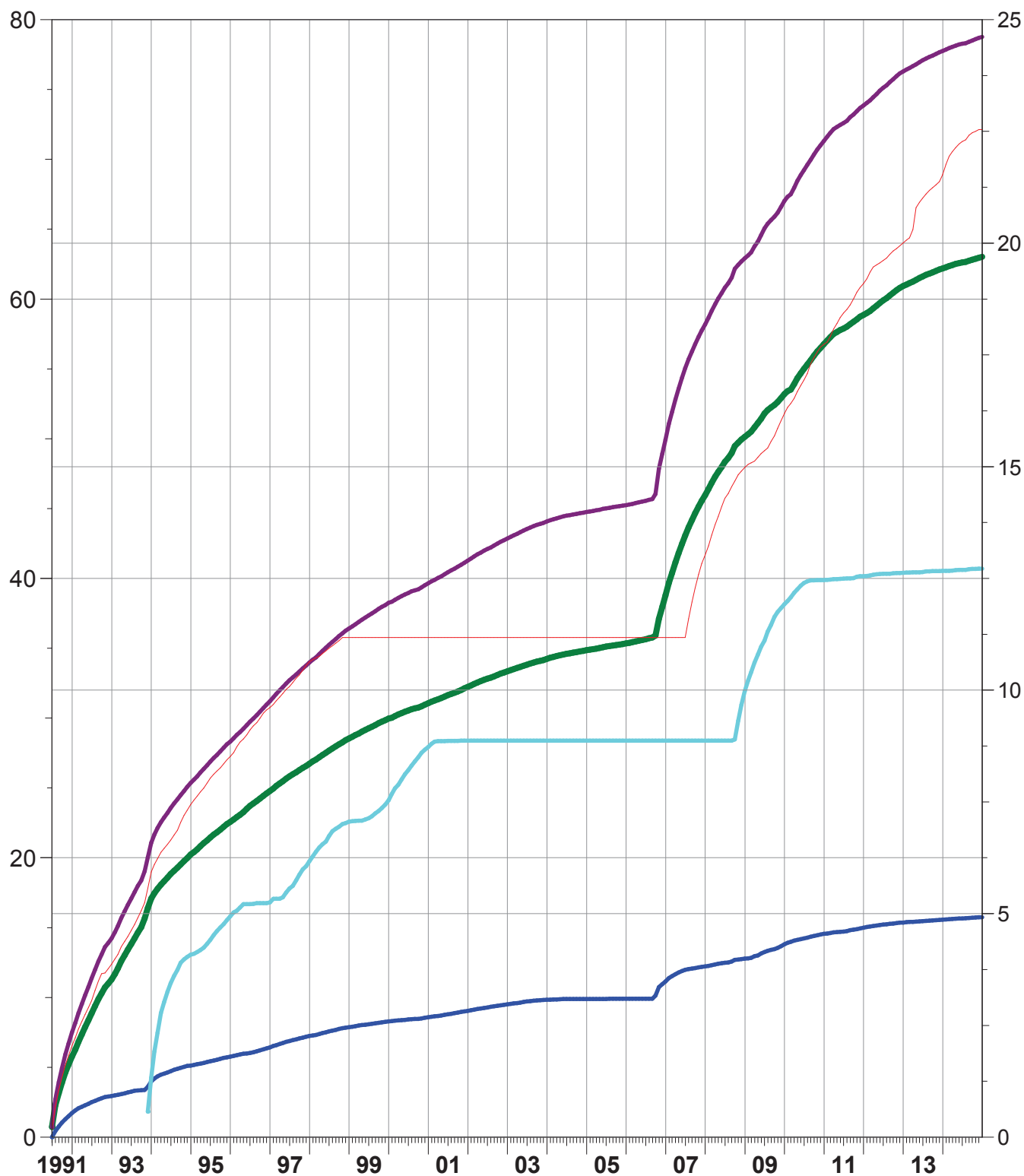
Cumulative Oil Prod : 60.93 Mbbl

Cumulative Liquid Prod : 76.30 Mbbl

Cumulative Water Prod : 15.37 Mbbl

Cumulative Water Inj : 40.39 Mbbl

Cumulative Gas Prod : 20.01 MMcf



# Pattern: 12-09 Set: SPU 1

Axis 1 12-09

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

Cumulative Oil Prod : 237.82 Mbbl

Cumulative Liquid Prod : 292.85 Mbbl

Cumulative Water Prod : 55.03 Mbbl

Cumulative Water Inj : 255.85 Mbbl

Cumulative Gas Prod : 42.54 MMcf



# Pattern: 12-16 Set: SPU 1

Axis 1 12-16

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

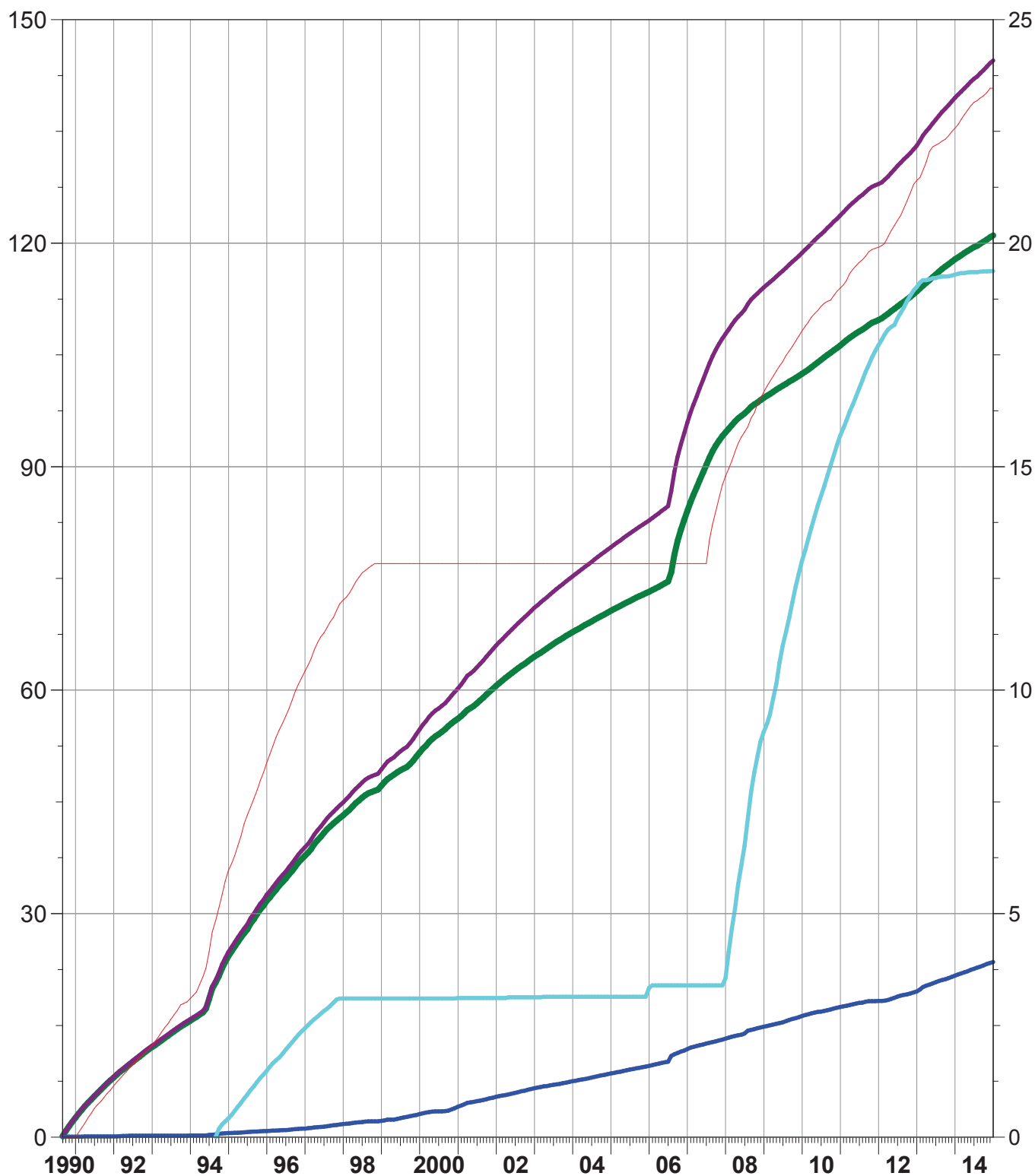
Cumulative Oil Prod : 113.54 Mbbl

Cumulative Liquid Prod : 133.08 Mbbl

Cumulative Water Prod : 19.55 Mbbl

Cumulative Water Inj : 114.11 Mbbl

Cumulative Gas Prod : 21.40 MMcf



# Pattern: 12-17 Set: SPU 1

Axis 1 12-17

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

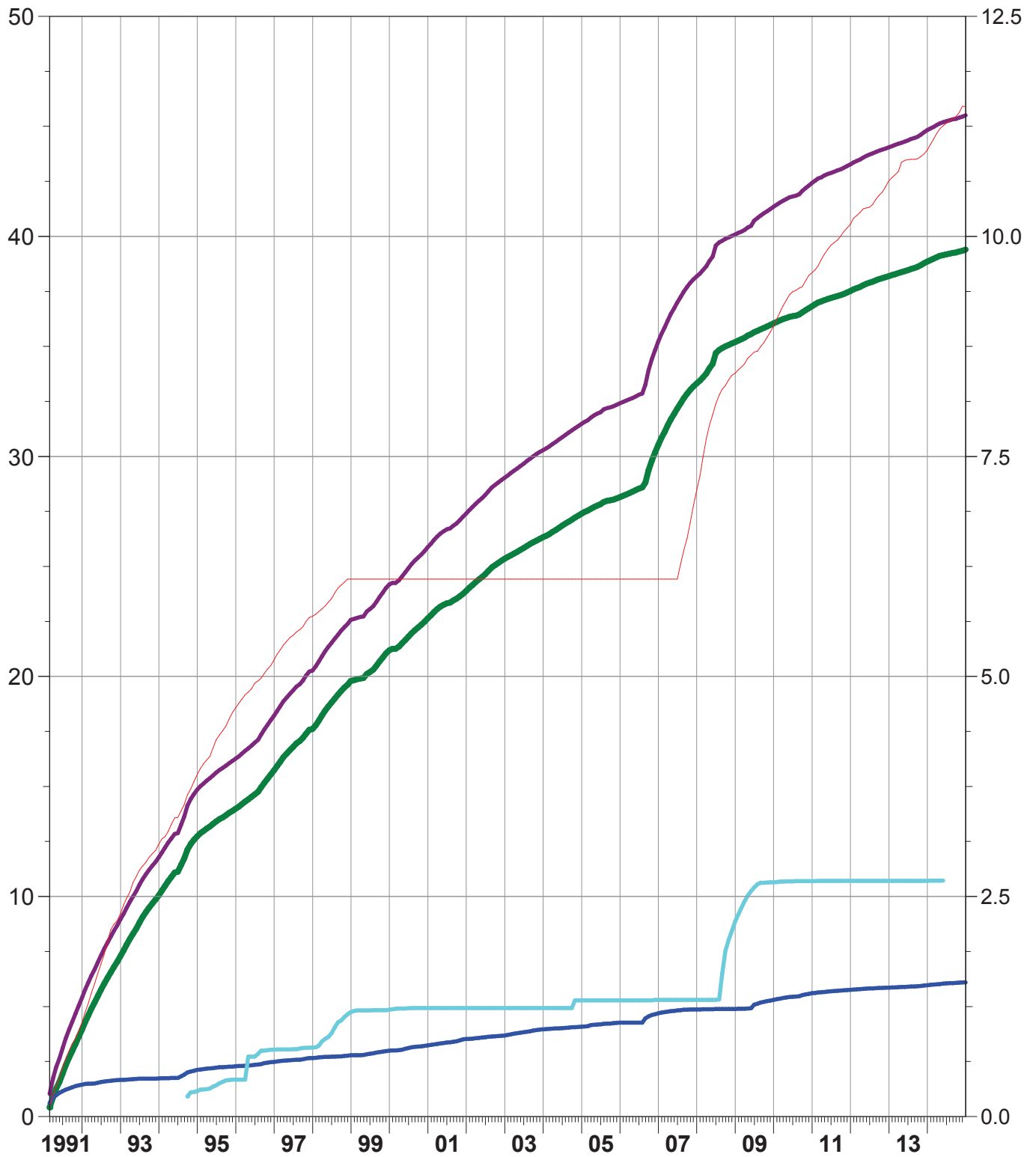
Cumulative Oil Prod : 38.19 Mbbl

Cumulative Liquid Prod : 44.05 Mbbl

Cumulative Water Prod : 5.86 Mbbl

Cumulative Water Inj : 10.71 Mbbl

Cumulative Gas Prod : 10.63 MMcf



# Pattern: 14-04 Set: SPU 1

Axis 1 14-04

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

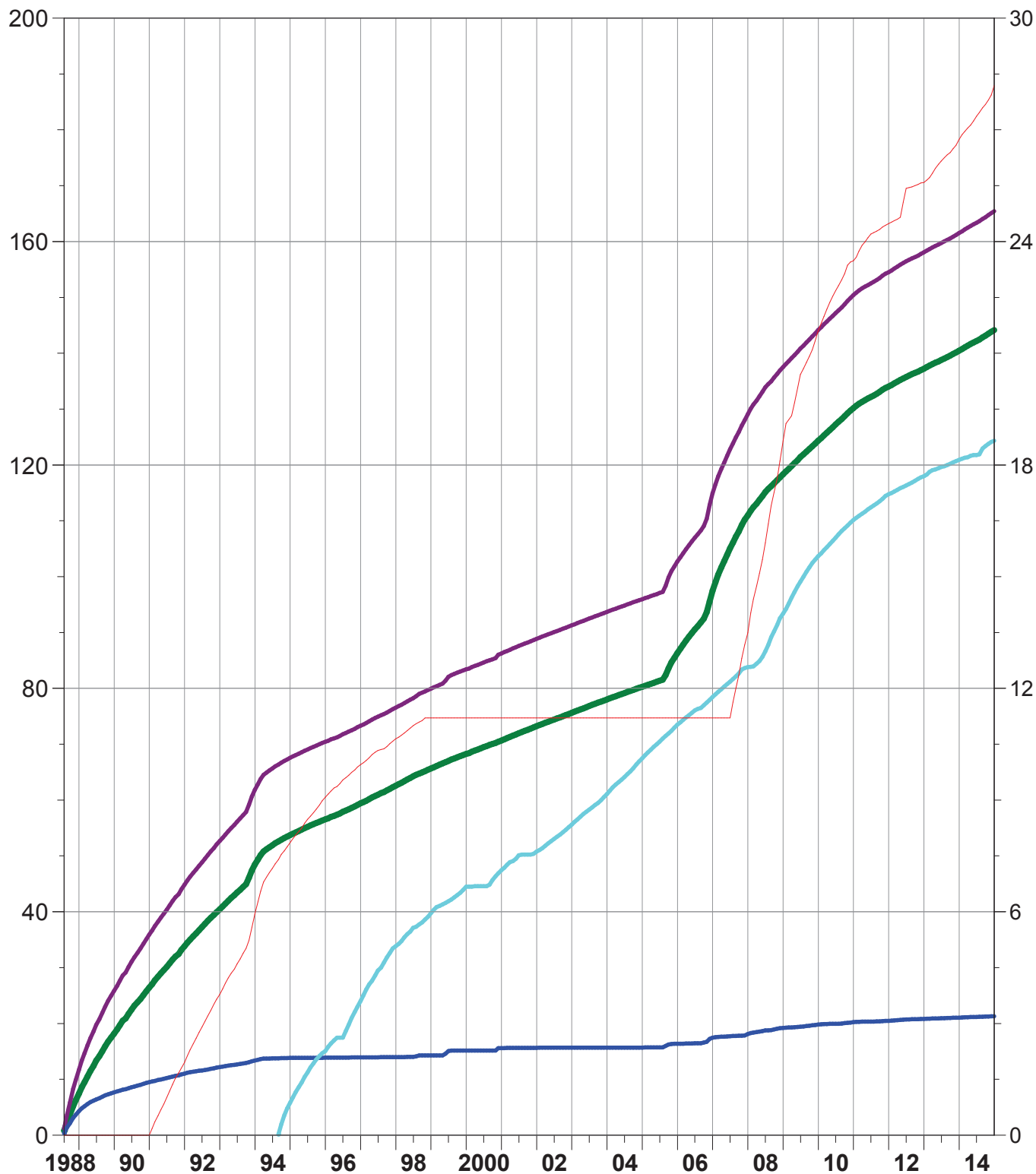
Cumulative Oil Prod : 137.24 Mbbl

Cumulative Liquid Prod : 158.06 Mbbl

Cumulative Water Prod : 20.82 Mbbl

Cumulative Water Inj : 117.98 Mbbl

Cumulative Gas Prod : 25.59 MMcf



# Pattern: 14-08 Set: SPU 1

Axis 1 14-08

- Cumulative Oil Prod ( Mbbl )
  - Cumulative Liquid Prod ( Mbbl )
  - Cumulative Water Prod ( Mbbl )
  - Cumulative Water Inj ( Mbbl )
- Axis 2
- Cumulative Gas Prod ( MMcf )

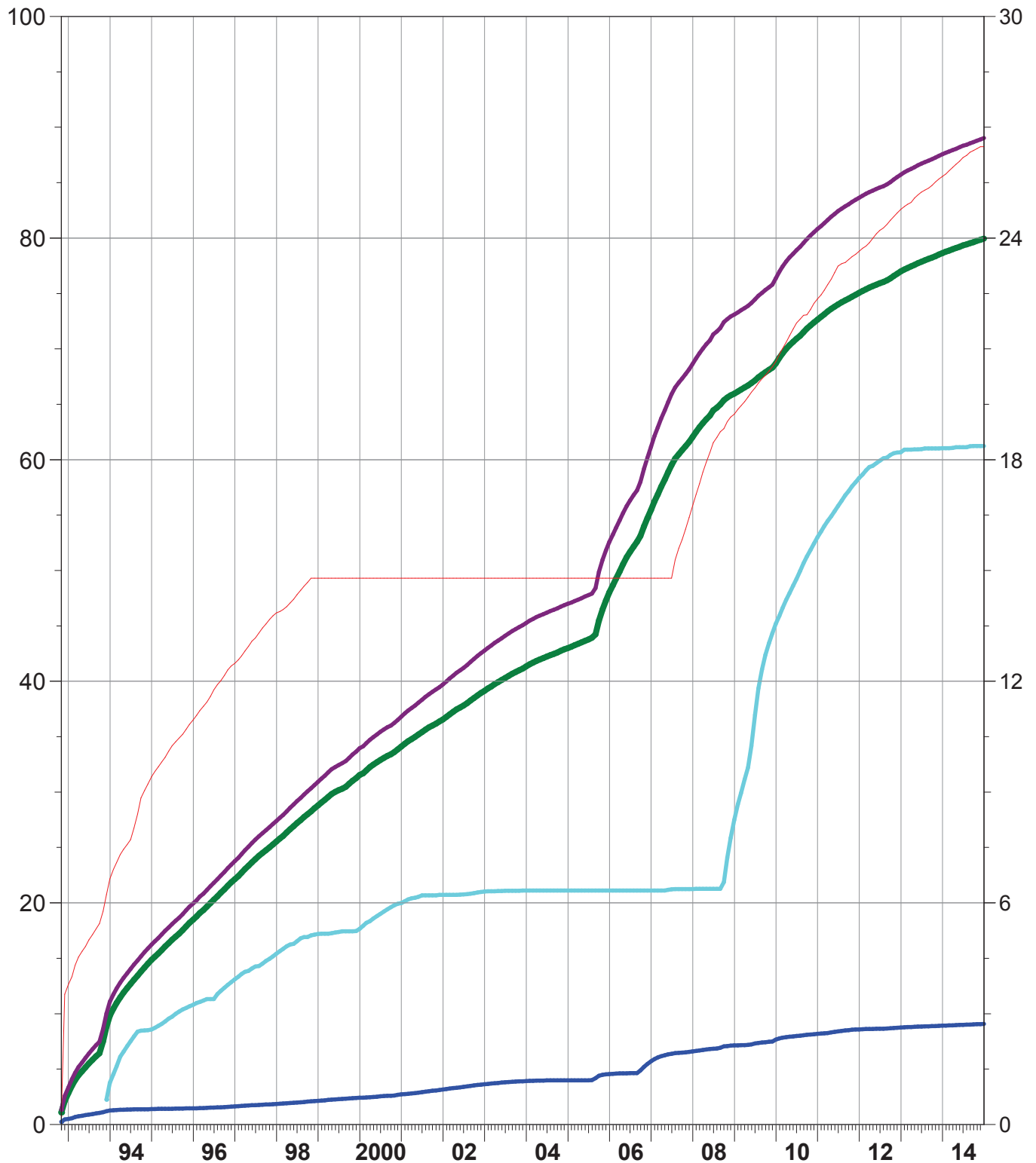
Cumulative Oil Prod : 76.98 Mbbl

Cumulative Liquid Prod : 85.73 Mbbl

Cumulative Water Prod : 8.75 Mbbl

Cumulative Water Inj : 60.67 Mbbl

Cumulative Gas Prod : 24.78 MMcf



# Pattern: 14-09 Set: SPU 1

Axis 1 14-09

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

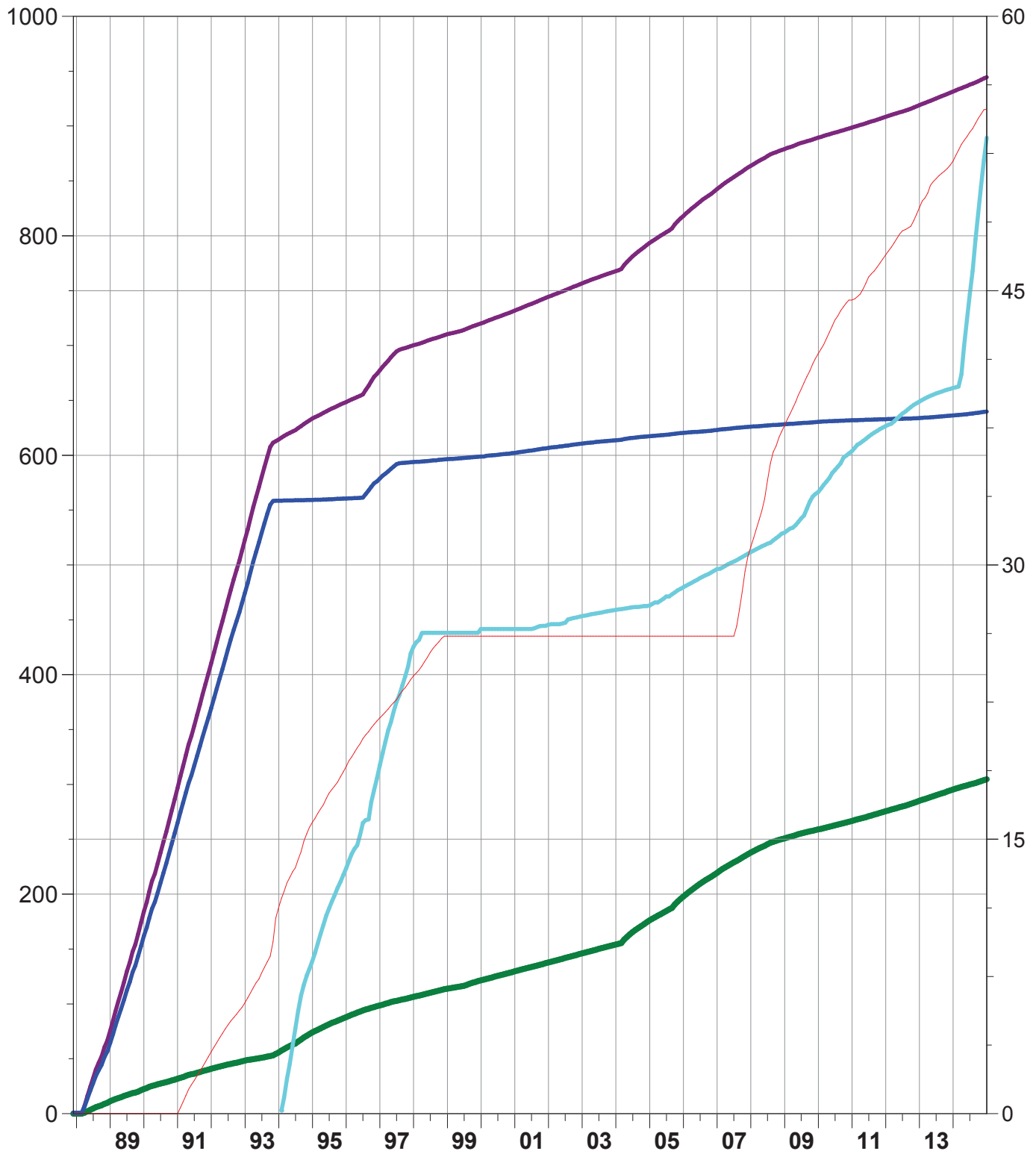
**Cumulative Oil Prod : 285.06 Mbbl**

**Cumulative Liquid Prod : 918.95 Mbbl**

**Cumulative Water Prod : 633.89 Mbbl**

**Cumulative Water Inj : 648.95 Mbbl**

**Cumulative Gas Prod : 49.54 MMcf**



# Pattern: 14-16 Set: SPU 1

Axis 1 14-16

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

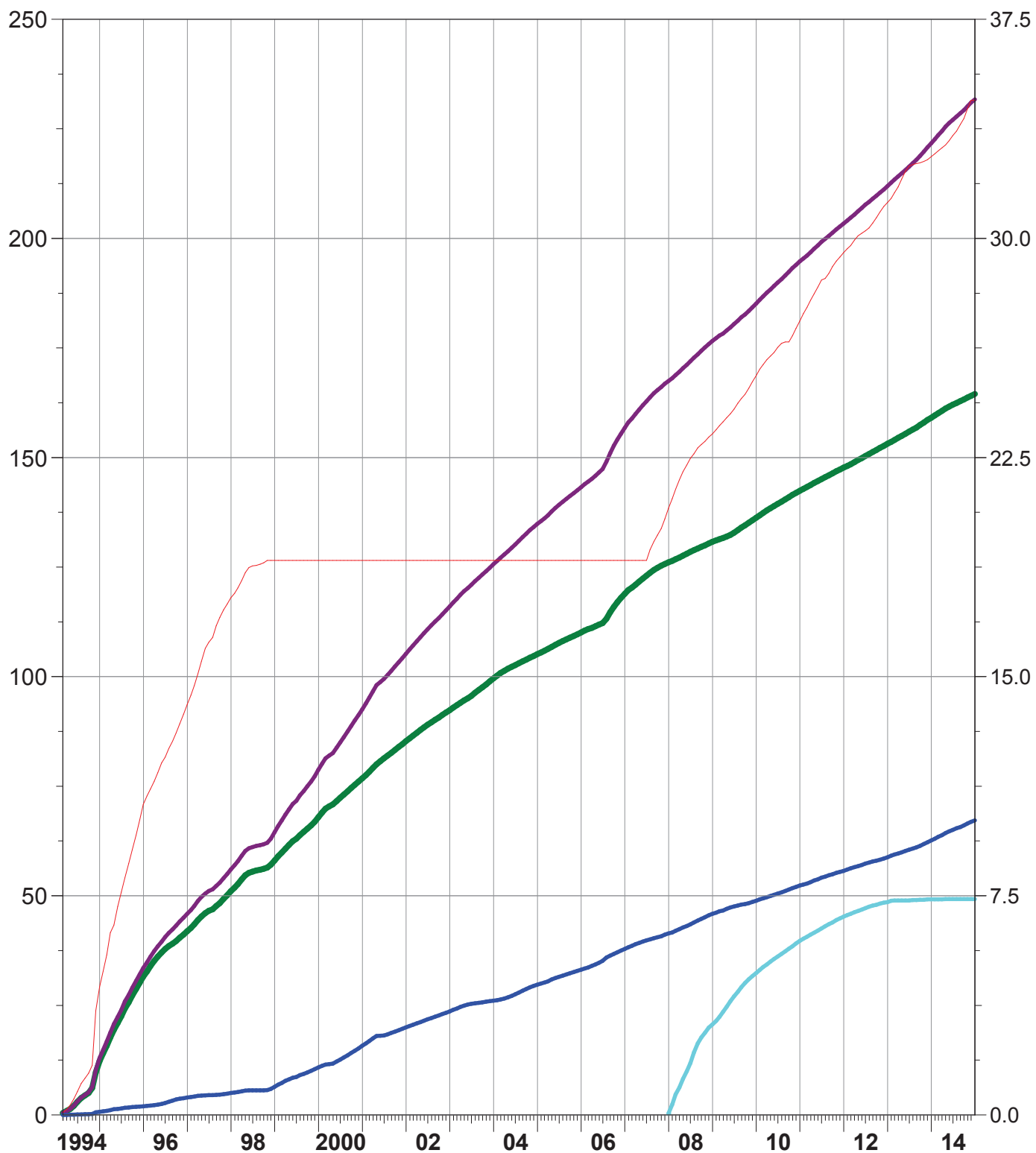
Cumulative Oil Prod : 153.12 Mbbl

Cumulative Liquid Prod : 211.89 Mbbl

Cumulative Water Prod : 58.77 Mbbl

Cumulative Water Inj : 48.54 Mbbl

Cumulative Gas Prod : 31.23 MMcf





# Pattern: 16-04 Set: SPU 1

Axis 1 16-04

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

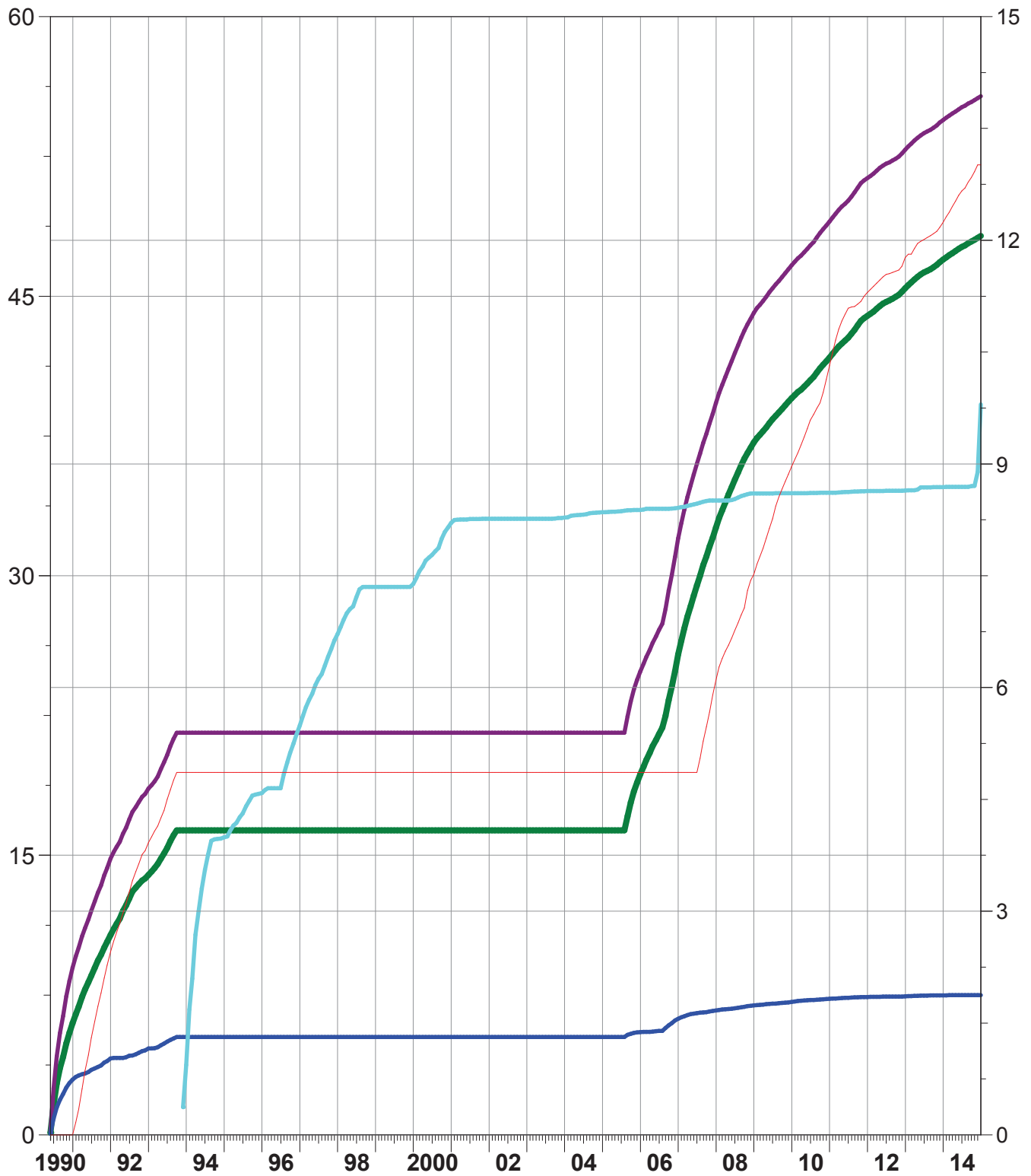
Cumulative Oil Prod : 45.42 Mbbl

Cumulative Liquid Prod : 52.85 Mbbl

Cumulative Water Prod : 7.43 Mbbl

Cumulative Water Inj : 34.57 Mbbl

Cumulative Gas Prod : 11.77 MMcf



# Pattern: 16-05 Set: SPU 1

Axis 1 16-05

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

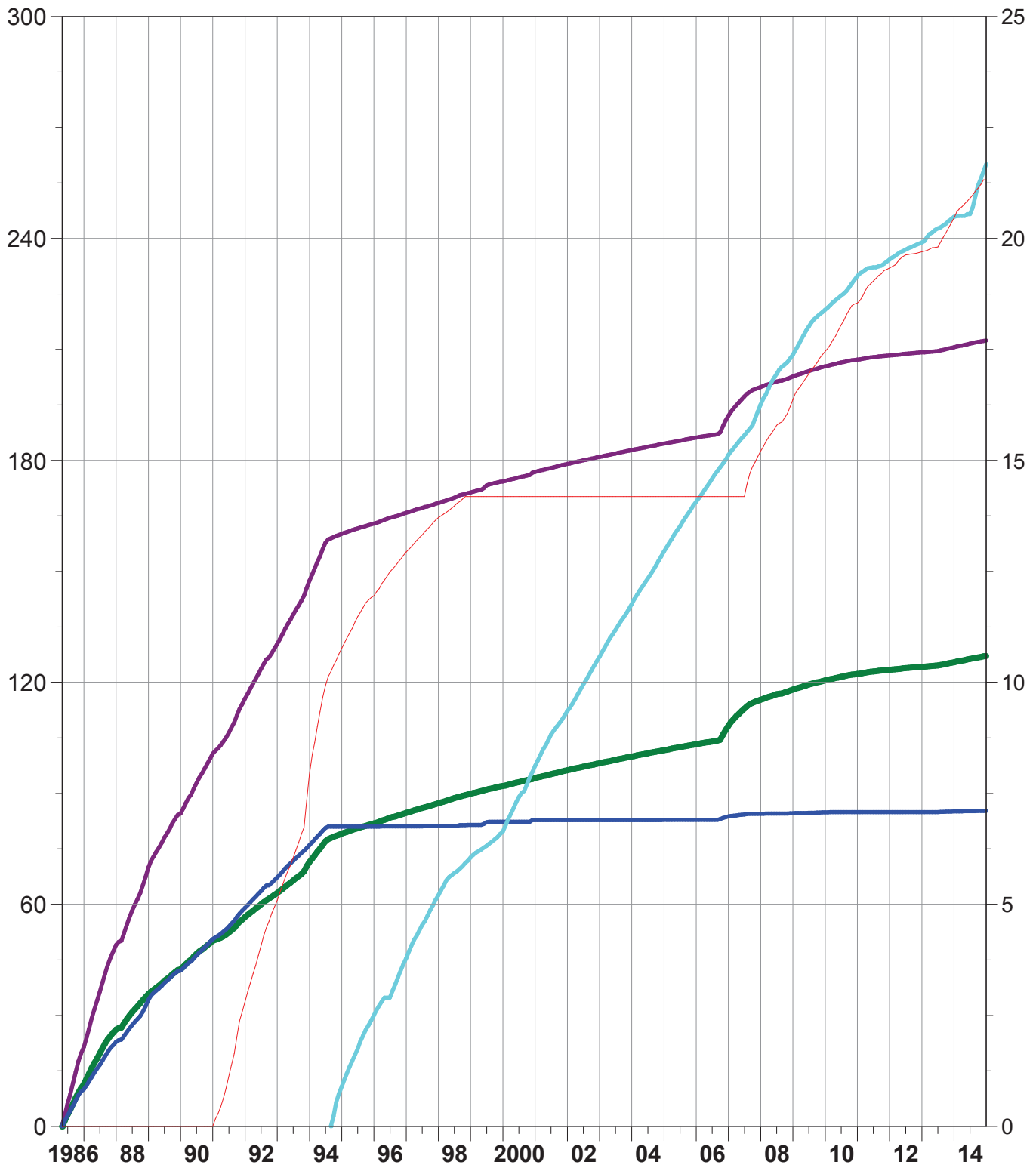
Cumulative Oil Prod : 124.23 Mbbl

Cumulative Liquid Prod : 209.20 Mbbl

Cumulative Water Prod : 84.98 Mbbl

Cumulative Water Inj : 238.86 Mbbl

Cumulative Gas Prod : 19.70 MMcf



# Pattern: 16-08 Set: SPU 1

Axis 1 16-08

- Cumulative Oil Prod ( Mbbl )
  - Cumulative Liquid Prod ( Mbbl )
  - Cumulative Water Prod ( Mbbl )
  - Cumulative Water Inj ( Mbbl )
- Axis 2
- Cumulative Gas Prod ( MMcf )

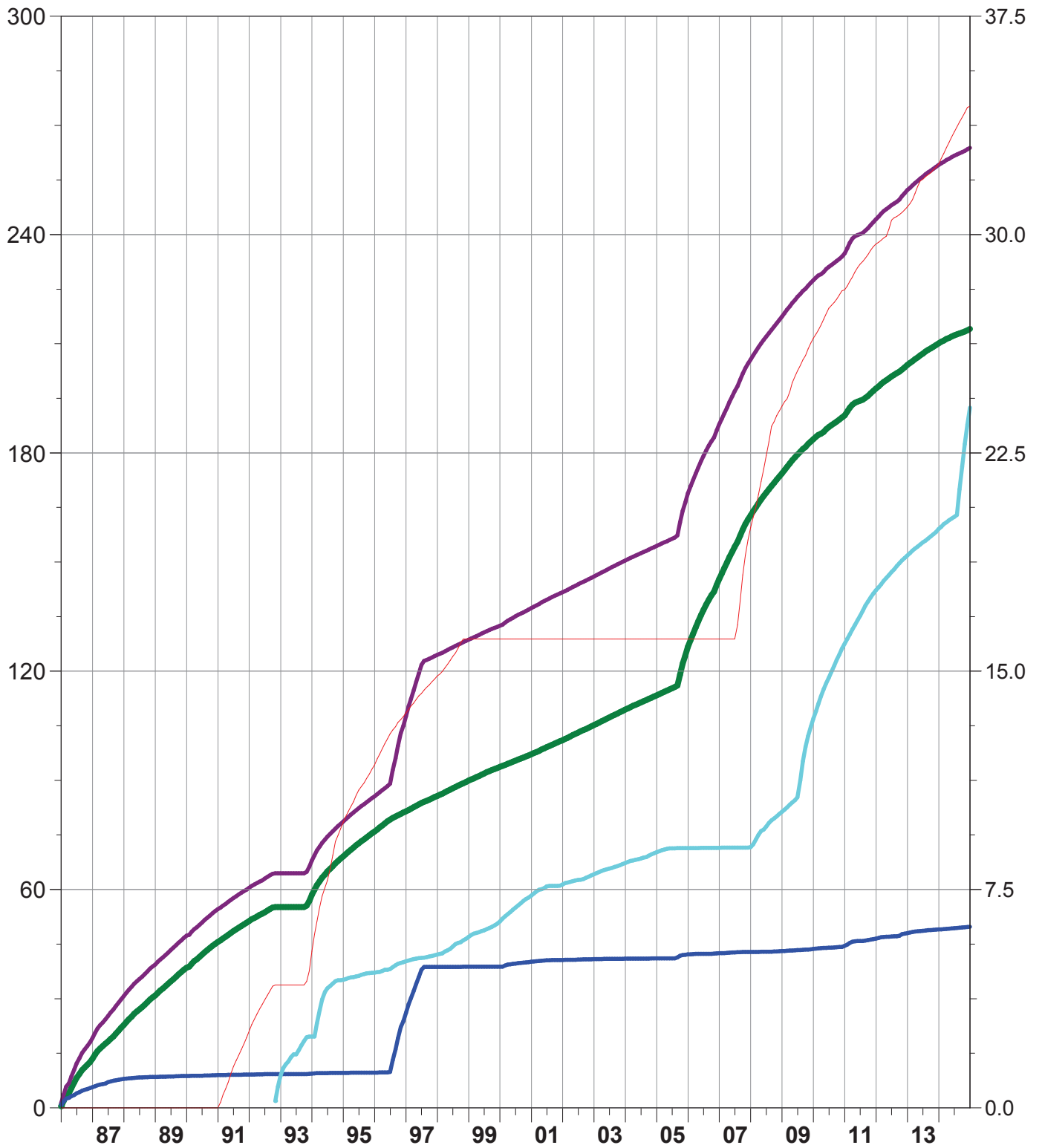
Cumulative Oil Prod : 204.14 Mbbl

Cumulative Liquid Prod : 252.17 Mbbl

Cumulative Water Prod : 48.03 Mbbl

Cumulative Water Inj : 151.74 Mbbl

Cumulative Gas Prod : 30.94 MMcf



# Pattern: 16-09 Set: SPU 1

Axis 1 16-09

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

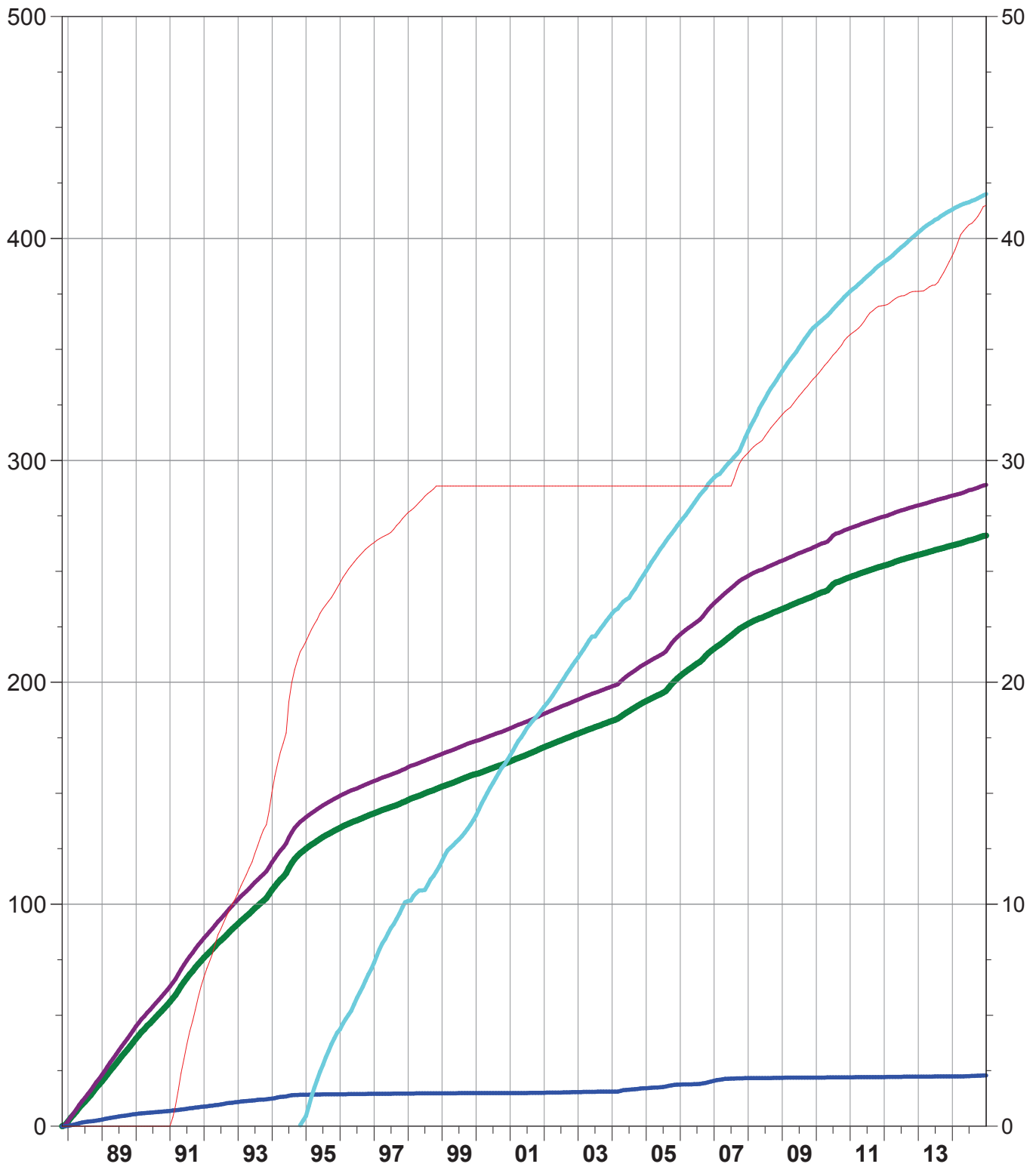
Cumulative Oil Prod : 257.40 Mbbl

Cumulative Liquid Prod : 279.71 Mbbl

Cumulative Water Prod : 22.30 Mbbl

Cumulative Water Inj : 402.68 Mbbl

Cumulative Gas Prod : 37.62 MMcf



# Pattern: 16-17 Set: SPU 1

Axis 1 16-17

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

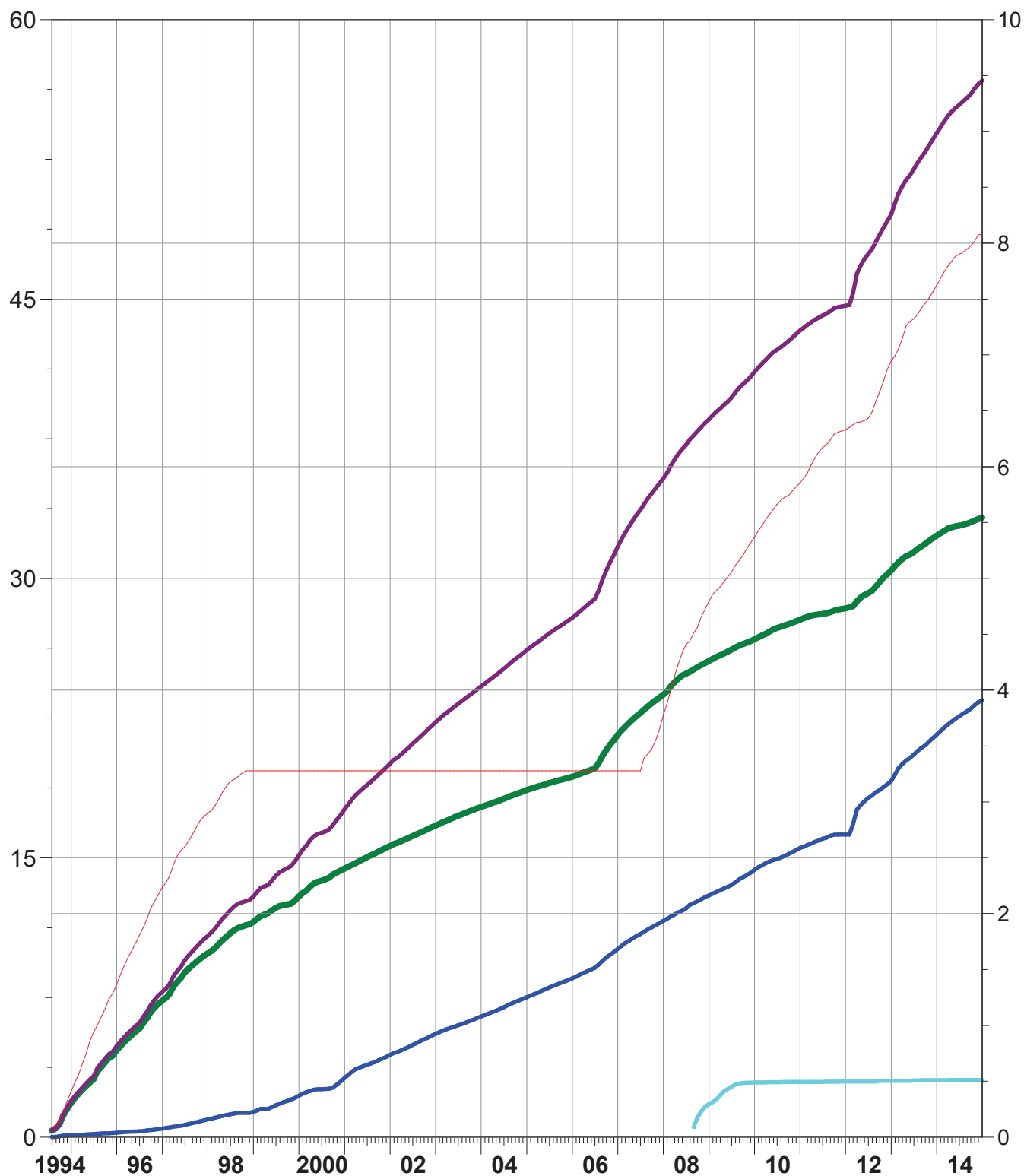
Cumulative Oil Prod : 30.44 Mbbl

Cumulative Liquid Prod : 49.56 Mbbl

Cumulative Water Prod : 19.12 Mbbl

Cumulative Water Inj : 3.03 Mbbl

Cumulative Gas Prod : 6.95 MMcf



# Pattern: 16-18 Set: SPU 1

Axis 1 16-18

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

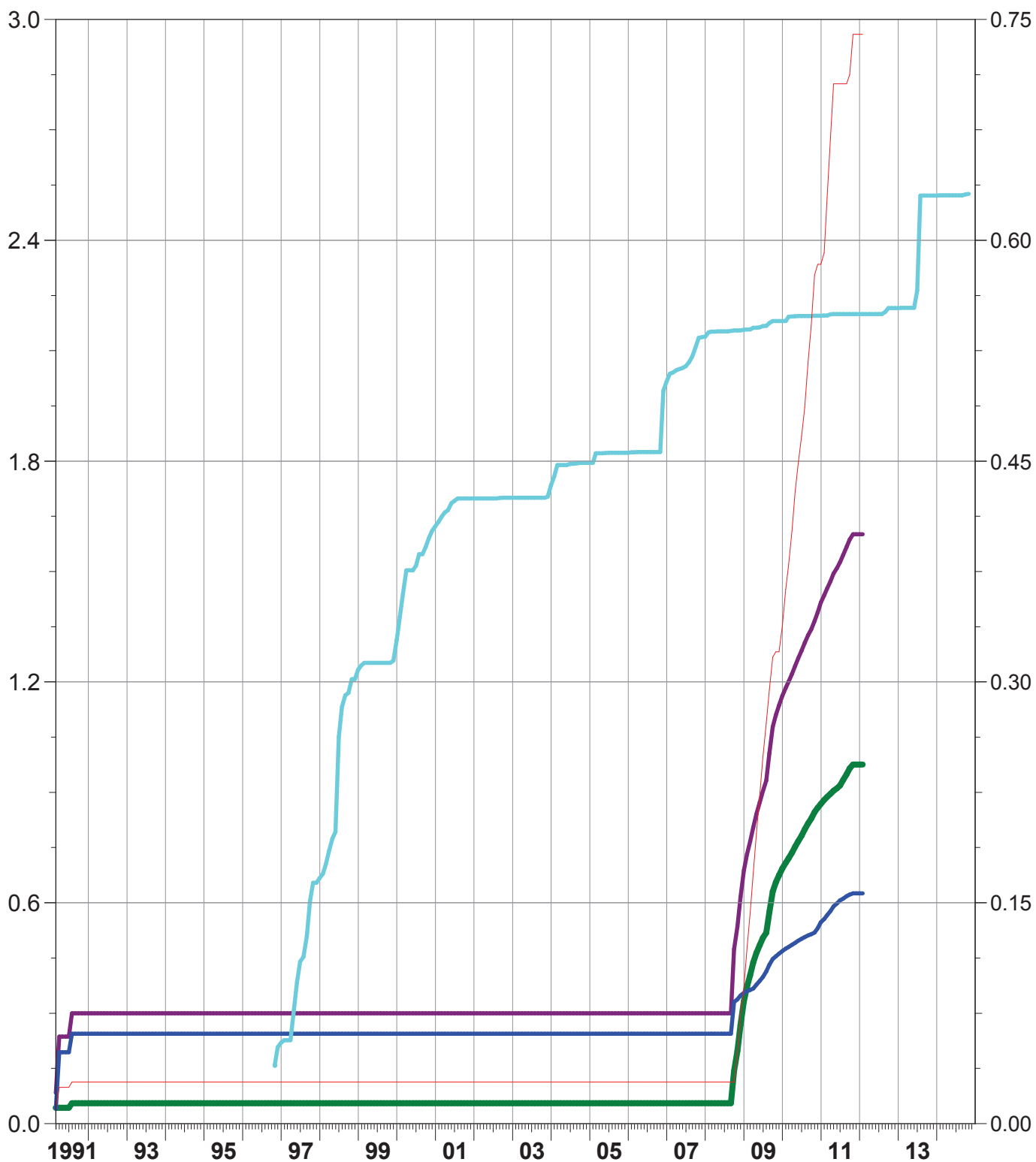
Cumulative Oil Prod : 0.98 Mbbl

Cumulative Liquid Prod : 1.60 Mbbl

Cumulative Water Prod : 0.63 Mbbl

Cumulative Water Inj : 2.22 Mbbl

Cumulative Gas Prod : 0.74 MMcf



# Pattern: 10-04 Set: SPU 1

Axis 1 10-04

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

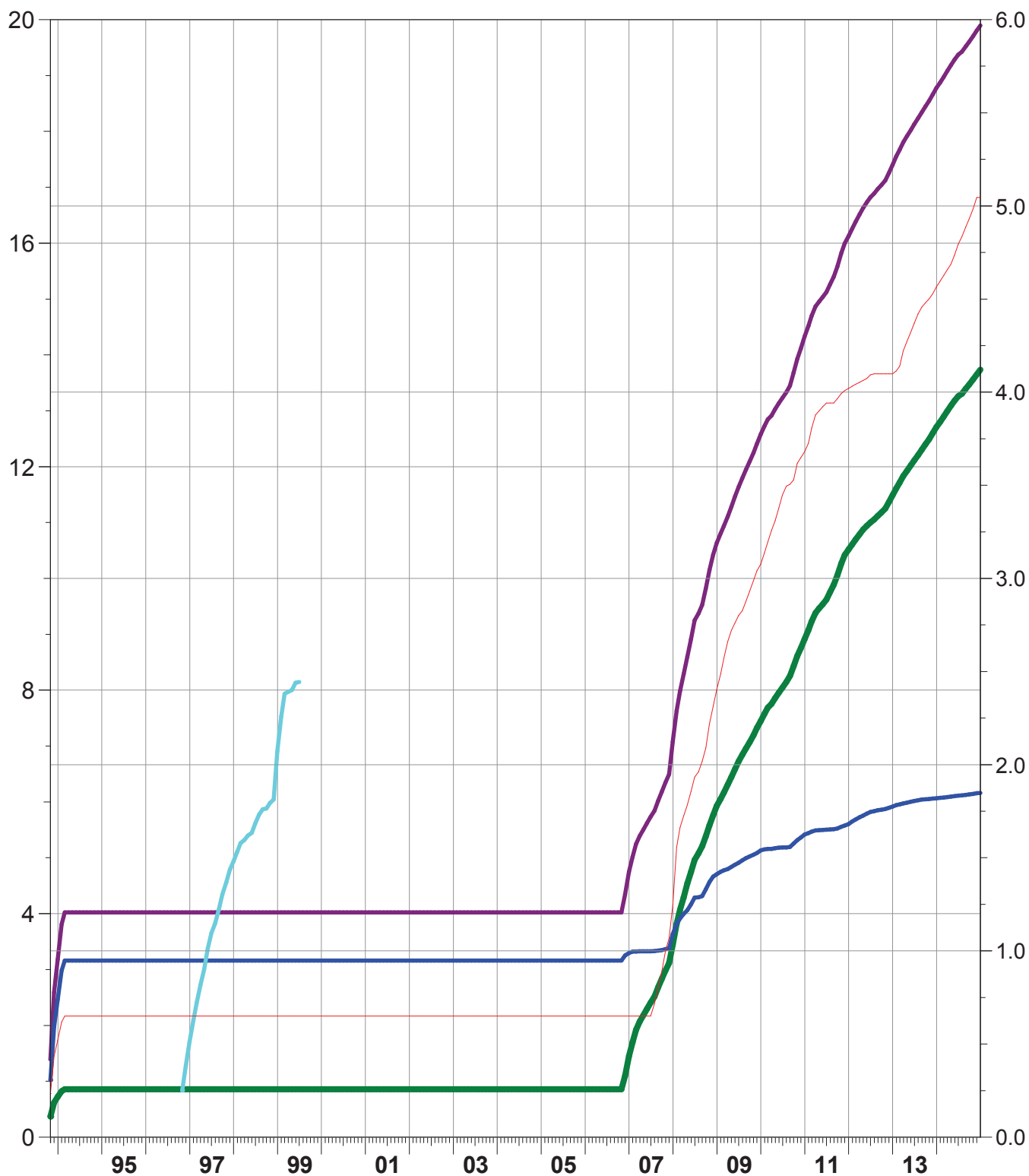
Cumulative Oil Prod : 11.49 Mbbl

Cumulative Liquid Prod : 17.40 Mbbl

Cumulative Water Prod : 5.91 Mbbl

Cumulative Water Inj : 8.15 Mbbl

Cumulative Gas Prod : 4.10 MMcf



# Pattern: 14-17 Set: SPU 1

Axis 1 14-17

- Cumulative Oil Prod ( Mbbl )
- Cumulative Liquid Prod ( Mbbl )
- Cumulative Water Prod ( Mbbl )
- Cumulative Water Inj ( Mbbl )

Axis 2

- Cumulative Gas Prod ( MMcf )

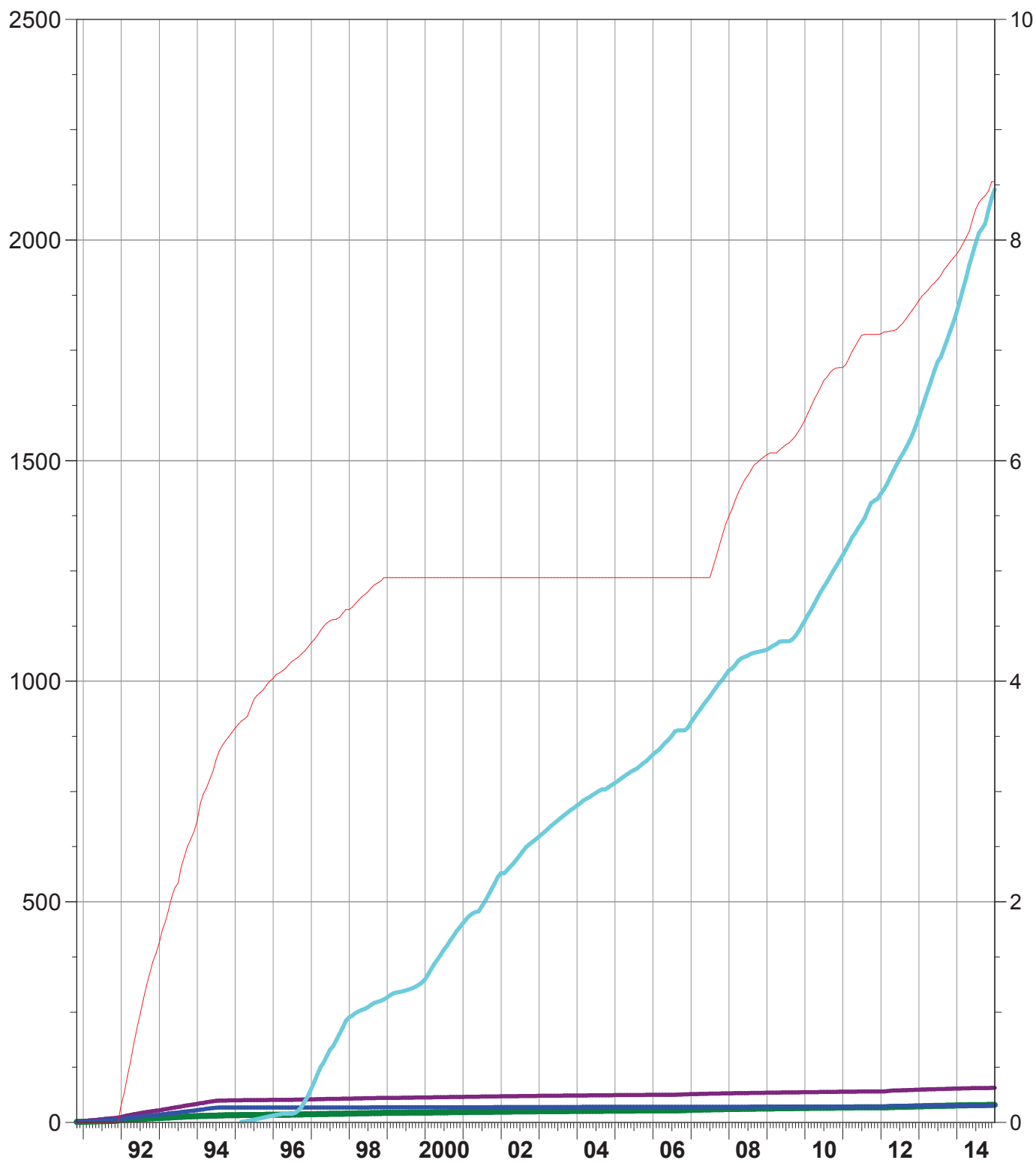
Cumulative Oil Prod : 36.46 Mbbl

Cumulative Liquid Prod : 74.09 Mbbl

Cumulative Water Prod : 37.63 Mbbl

Cumulative Water Inj : 1598.93 Mbbl

Cumulative Gas Prod : 7.45 MMcf





Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod McF	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cf/bbl	Water Oil Ratio bbl/bbl	Inst VRRR	Cum VRR	
Pattern: 02-08 Set: SPU 1	Jan-14	6.99	217	0.39	12	2.36	73	1.06	32	337.93	0.06	0.121	0.571	
Pattern: 02-08 Set: SPU 1	Feb-14	6.87	192	0.39	11	1.23	34	0.02	1	178.90	0.06	0.003	0.570	
Pattern: 02-08 Set: SPU 1	Mar-14	49.59	1537	49.79	1544	8.23	255	0.00	0	165.96	1.00	0.000	0.558	
Pattern: 02-08 Set: SPU 1	Apr-14	72.58	2178	42.64	1279	26.07	782	0.00	0	359.22	0.59	0.000	0.544	
Pattern: 02-08 Set: SPU 1	May-14	72.60	2250	33.80	1048	55.73	1728	0.04	1	767.73	0.47	0.000	0.532	
Pattern: 02-08 Set: SPU 1	Jun-14	67.37	2021	31.21	936	55.18	1655			818.99	0.46		0.521	
Pattern: 02-08 Set: SPU 1	Jul-14	60.86	1887	35.29	1094	53.11	1647			872.75	0.58		0.511	
Pattern: 02-08 Set: SPU 1	Aug-14	57.69	1789	42.40	1314	28.94	897	0.01	0	501.53	0.73	0.000	0.501	
Pattern: 02-08 Set: SPU 1	Sep-14	52.97	1589	78.34	2350	23.60	708			445.61	1.48		0.489	
Pattern: 02-08 Set: SPU 1	Oct-14	45.99	1426	57.33	1777	14.75	457	0.10	3	320.76	1.25	0.001	0.480	
Pattern: 02-08 Set: SPU 1	Nov-14	41.59	1248	47.18	1415	34.52	1036	1.87	57	830.09	1.13	0.019	0.473	
Pattern: 02-08 Set: SPU 1	Dec-14	47.32	1467	39.94	1238	8.94	277	20.99	638	188.85	0.84	0.218	0.469	
			-----		-----		-----		-----					
			17800		14019		9550		732					Sum

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Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cf/bbl	Water Oil Ratio bbl/bbl	Inst VRRR	Cum VRRR	
Pattern: 02-17 Set: SPU 1	Jan-14	4.84	150	0.22	7	3.10	96	0.16	5	641.50	0.05	0.026	0.431	
Pattern: 02-17 Set: SPU 1	Feb-14	4.87	136	0.21	6	3.66	102	0.04	1	750.34	0.04	0.006	0.431	
Pattern: 02-17 Set: SPU 1	Mar-14	4.57	142	0.21	6	3.53	109			772.71	0.05		0.430	
Pattern: 02-17 Set: SPU 1	Apr-14	2.33	70	0.21	6	3.06	92	1.49	45	312.17	0.09	0.499	0.430	
Pattern: 02-17 Set: SPU 1	May-14	3.32	103	0.29	9	2.76	86	0.06	2	831.47	0.09	0.014	0.430	
Pattern: 02-17 Set: SPU 1	Jun-14	4.32	130	0.31	9	2.68	80	0.01	0	619.31	0.07	0.002	0.429	
Pattern: 02-17 Set: SPU 1	Jul-14	2.11	65	0.13	4	1.42	44	0.00	0	674.83	0.06	0.000	0.429	
Pattern: 02-17 Set: SPU 1	Aug-14	2.76	86	0.14	4	1.88	58	1.90	58	679.93	0.05	0.552	0.429	
Pattern: 02-17 Set: SPU 1	Sep-14	2.50	75	0.18	5	1.18	35	0.51	15	470.82	0.07	0.161	0.429	
Pattern: 02-17 Set: SPU 1	Oct-14	3.73	116	0.27	8	1.77	55	0.13	4	472.97	0.07	0.028	0.429	
Pattern: 02-17 Set: SPU 1	Nov-14	3.60	108	0.26	8	2.97	89	0.00	0	826.64	0.07	0.001	0.428	
Pattern: 02-17 Set: SPU 1	Dec-14	3.49	108	0.19	6	0.00	0	0.09	3	0.00	0.06	0.020	0.428	
			-----		-----		-----		-----					
			1289		80		848		133					Sum

Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cfbbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 04-09 Set: SPU 1	Jan-14	10.45	324	0.67	21	5.50	170	2.43	74	525.77	0.06	0.186	1.773	
Pattern: 04-09 Set: SPU 1	Feb-14	12.93	362	0.71	20	3.82	107	2.93	89	295.12	0.05	0.182	1.771	
Pattern: 04-09 Set: SPU 1	Mar-14	11.68	362	0.58	18	4.70	146	0.21	6	402.44	0.05	0.015	1.769	
Pattern: 04-09 Set: SPU 1	Apr-14	11.91	357	0.49	15	4.56	137	2.31	70	382.87	0.04	0.157	1.767	
Pattern: 04-09 Set: SPU 1	May-14	11.99	372	0.56	17	4.36	135	42.74	1299	363.38	0.05	2.882	1.768	
Pattern: 04-09 Set: SPU 1	Jun-14	7.93	238	0.54	16	2.91	87	0.32	10	367.62	0.07	0.033	1.767	
Pattern: 04-09 Set: SPU 1	Jul-14	13.08	405	0.62	19	4.10	127	9.37	285	313.62	0.05	0.579	1.765	
Pattern: 04-09 Set: SPU 1	Aug-14	15.55	482	0.47	15	4.84	150	13.78	419	311.41	0.03	0.726	1.763	
Pattern: 04-09 Set: SPU 1	Sep-14	11.56	347	0.48	14	3.21	96	9.48	288	277.42	0.04	0.665	1.762	
Pattern: 04-09 Set: SPU 1	Oct-14	10.50	325	0.53	16	3.02	94	12.45	378	287.51	0.05	0.956	1.761	
Pattern: 04-09 Set: SPU 1	Nov-14	12.40	372	0.49	15	4.47	134	9.21	280	360.70	0.04	0.604	1.759	
Pattern: 04-09 Set: SPU 1	Dec-14	13.91	431	0.24	7	13.90	431	28.91	16079	998.88	0.02	1.486	1.804	
			-----		-----		-----		-----					
			4378		194		1814		19278					Sum

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Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cf/bbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 06-08 Set: SPU 1	Jan-14	8.65	268	2.26	70	3.87	120	2.39	73	447.59	0.26	0.191	0.971	
Pattern: 06-08 Set: SPU 1	Feb-14	7.87	220	1.89	53	3.18	89	1.84	56	404.76	0.24	0.164	0.970	
Pattern: 06-08 Set: SPU 1	Mar-14	6.82	211	2.09	65	5.30	164	0.24	7	776.44	0.31	0.024	0.969	
Pattern: 06-08 Set: SPU 1	Apr-14	8.52	256	2.72	82	6.24	187	2.24	68	732.04	0.32	0.174	0.967	
Pattern: 06-08 Set: SPU 1	May-14	7.76	240	2.77	86	6.21	192	2.58	78	800.51	0.36	0.215	0.966	
Pattern: 06-08 Set: SPU 1	Jun-14	6.88	206	2.37	71	6.42	192	1.45	44	932.91	0.35	0.137	0.964	
Pattern: 06-08 Set: SPU 1	Jul-14	3.55	110	2.37	74	5.38	167	2.76	84	515.94	0.67	0.418	0.964	
Pattern: 06-08 Set: SPU 1	Aug-14	4.03	125	1.78	55	6.38	198	7.67	233	581.97	0.44	1.167	0.964	
Pattern: 06-08 Set: SPU 1	Sep-14	3.08	92	1.97	59	4.56	137	7.88	240	480.04	0.64	1.399	0.964	
Pattern: 06-08 Set: SPU 1	Oct-14	3.92	121	2.37	73	4.24	132	2.39	73	083.64	0.60	0.341	0.963	
Pattern: 06-08 Set: SPU 1	Nov-14	3.82	114	2.17	65	2.62	79	3.69	112	686.40	0.57	0.550	0.963	
Pattern: 06-08 Set: SPU 1	Dec-14	6.38	198	1.54	48	0.00	0	3.53	107	0.00	0.24	0.386	0.962	
			-----		-----		-----		-----					
			2164		801		1657		1176					Sum

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Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cfbbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 08-09 Set: SPU 1	Jan-14	5.55	172	0.09	3	1.51	47	18.72	15769	272.00	0.02	7.479	3.500	
Pattern: 08-09 Set: SPU 1	Feb-14	5.62	157	23.03	645	3.15	88	34.46	19288	561.46	4.10	1.357	3.529	
Pattern: 08-09 Set: SPU 1	Mar-14	7.50	232	84.98	2634	4.81	149	07.52	18469	641.99	11.34	6.470	3.546	
Pattern: 08-09 Set: SPU 1	Apr-14	11.22	337	111.85	3355	3.97	119	78.07	2373	354.19	9.97	0.624	3.525	
Pattern: 08-09 Set: SPU 1	May-14	10.96	340	120.96	3750	4.24	132	56.62	1721	387.30	11.04	0.423	3.500	
Pattern: 08-09 Set: SPU 1	Jun-14	10.55	317	158.21	4746	3.53	106	0.89	27	334.70	15.00	0.005	3.465	
Pattern: 08-09 Set: SPU 1	Jul-14	4.40	136	0.16	5	1.71	53	3.96	120	388.11	0.04	0.732	3.464	
Pattern: 08-09 Set: SPU 1	Aug-14	9.14	283	0.82	25	3.65	113	14.89	453	398.82	0.09	1.274	3.463	
Pattern: 08-09 Set: SPU 1	Sep-14	11.59	348	170.75	5122	6.62	199	17.72	539	571.10	14.73	0.096	3.427	
Pattern: 08-09 Set: SPU 1	Oct-14	45.25	1403	536.16	16621	5.27	163	22.40	681	116.43	11.85	0.038	3.313	
Pattern: 08-09 Set: SPU 1	Nov-14	39.04	1171	406.09	12183	19.78	593	35.65	1084	506.58	10.40	0.079	3.234	
Pattern: 08-09 Set: SPU 1	Dec-14	30.49	945	209.42	6492	0.00	0	37.53	1141	0.00	6.87	0.153	3.192	
			=====		=====		=====		=====					
			5841		55582		1762		61664					Sum

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Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cfbbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 08-17 Set: SPU 1	Jan-14	9.50	294	4.63	144	3.25	101	10.37	15515	341.91	0.49	2.036	0.702	
Pattern: 08-17 Set: SPU 1	Feb-14	9.37	262	4.57	128	4.35	122	73.09	14382	464.52	0.49	0.109	0.761	
Pattern: 08-17 Set: SPU 1	Mar-14	9.16	284	4.22	131	4.84	150	61.51	14030	528.50	0.46	0.530	0.826	
Pattern: 08-17 Set: SPU 1	Apr-14	8.14	244	4.69	141	4.06	122	94.50	8953	498.91	0.58	0.490	0.855	
Pattern: 08-17 Set: SPU 1	May-14	9.17	284	5.41	168	3.42	106	87.34	11775	372.86	0.59	3.742	0.900	
Pattern: 08-17 Set: SPU 1	Jun-14	9.61	288	4.83	145	3.91	117	42.97	13466	407.16	0.50	7.223	0.955	
Pattern: 08-17 Set: SPU 1	Jul-14	4.94	153	4.59	142	2.48	77	39.42	13358	501.51	0.93	1.970	1.024	
Pattern: 08-17 Set: SPU 1	Aug-14	7.88	244	3.12	97	2.62	81	43.18	7393	332.40	0.40	9.447	1.046	
Pattern: 08-17 Set: SPU 1	Sep-14	7.00	210	3.09	93	2.24	67	24.86	9876	319.63	0.44	8.448	1.087	
Pattern: 08-17 Set: SPU 1	Oct-14	7.94	246	4.31	134	4.07	126	85.45	14758	512.70	0.54	5.269	1.157	
Pattern: 08-17 Set: SPU 1	Nov-14	8.09	243	3.93	118	6.62	199	23.25	12867	818.19	0.49	1.209	1.213	
Pattern: 08-17 Set: SPU 1	Dec-14	7.95	246	2.91	90	0.00	0	01.87	9177	0.00	0.37	4.399	1.247	
			-----		-----		-----		-----					
			3000		1529		1268		145549					Sum



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Pattern Name	Date	Oil Rate (CD) bb/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod McF	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cf/bbl	Water Oil Ratio bbl/bbl	Inst VRRR	Cum VRRR
Pattern: 10-08 Set: SPU 1	Jan-14	14.34	445	5.11	158	5.67	176	0.04	1	395.54	0.36	0.002	0.276
Pattern: 10-08 Set: SPU 1	Feb-14	15.60	437	5.53	155	5.87	164	0.02	1	376.27	0.35	0.001	0.275
Pattern: 10-08 Set: SPU 1	Mar-14	14.93	463	6.24	193	5.42	168	0.02	1	363.22	0.42	0.001	0.274
Pattern: 10-08 Set: SPU 1	Apr-14	17.00	510	7.81	234	5.69	171	0.63	19	334.44	0.46	0.022	0.273
Pattern: 10-08 Set: SPU 1	May-14	17.81	552	9.36	290	5.82	180	1.79	54	326.88	0.53	0.058	0.272
Pattern: 10-08 Set: SPU 1	Jun-14	17.56	527	8.68	260	5.83	175	1.26	38	331.87	0.49	0.043	0.271
Pattern: 10-08 Set: SPU 1	Jul-14	10.89	338	9.20	285	4.55	141	0.30	9	417.85	0.84	0.014	0.270
Pattern: 10-08 Set: SPU 1	Aug-14	11.44	355	6.77	210	4.76	148	0.61	19	416.12	0.59	0.030	0.269
Pattern: 10-08 Set: SPU 1	Sep-14	11.72	352	9.65	289	3.28	98	4.00	122	279.62	0.82	0.170	0.269
Pattern: 10-08 Set: SPU 1	Oct-14	11.16	346	8.81	273	3.17	98	0.65	20	284.22	0.79	0.029	0.268
Pattern: 10-08 Set: SPU 1	Nov-14	12.79	384	7.13	214	4.38	132	0.40	12	342.83	0.56	0.018	0.267
Pattern: 10-08 Set: SPU 1	Dec-14	15.61	484	5.18	161	1.28	40	0.38	11	81.74	0.33	0.016	0.267
			-----		-----		-----		-----				
			5191		2724		1691		307				Sum

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Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cf/bbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 10-17 Set: SPU 1	Jan-14	18.19	564	21.77	675	6.21	192	0.09	3	341.24	1.20	0.002	0.030	
Pattern: 10-17 Set: SPU 1	Feb-14	16.92	474	21.33	597	5.93	166	0.03	1	350.41	1.26	0.001	0.030	
Pattern: 10-17 Set: SPU 1	Mar-14	15.66	485	18.74	581	6.04	187	0.04	1	385.62	1.20	0.001	0.030	
Pattern: 10-17 Set: SPU 1	Apr-14	13.62	408	19.18	576	6.77	203	1.34	41	497.10	1.41	0.038	0.030	
Pattern: 10-17 Set: SPU 1	May-14	11.61	360	18.61	577	7.86	244	0.05	2	676.99	1.60	0.002	0.030	
Pattern: 10-17 Set: SPU 1	Jun-14	11.73	352	20.42	612	7.15	215			609.90	1.74		0.030	
Pattern: 10-17 Set: SPU 1	Jul-14	9.58	297	22.01	682	5.53	171	0.04	1	576.62	2.30	0.001	0.030	
Pattern: 10-17 Set: SPU 1	Aug-14	10.46	324	15.69	486	5.41	168	0.94	29	517.35	1.50	0.034	0.030	
Pattern: 10-17 Set: SPU 1	Sep-14	8.45	254	16.75	503	2.91	87	0.03	1	344.73	1.98	0.001	0.030	
Pattern: 10-17 Set: SPU 1	Oct-14	10.09	313	21.61	670	3.59	111	0.00	0	355.50	2.14	0.000	0.030	
Pattern: 10-17 Set: SPU 1	Nov-14	9.55	287	20.66	620	8.18	245	0.01	0	856.67	2.16	0.000	0.030	
Pattern: 10-17 Set: SPU 1	Dec-14	9.09	282	15.05	466	0.00	0	0.11	3	0.00	1.66	0.004	0.030	
			4399		7045		1990		82					Sum

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Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cf/bbl	Water Oil Ratio bbl/bbl	Inst VRRR	Cum VRR		
Pattern: 12-08 Set: SPU 1	Jan-14	2.86	89	0.60	19	7.60	236	0.15	5	657.97	0.21	0.038	0.452		
Pattern: 12-08 Set: SPU 1	Feb-14	2.81	79	0.60	17	6.43	180	0.08	2	290.75	0.21	0.021	0.451		
Pattern: 12-08 Set: SPU 1	Mar-14	2.59	80	0.45	14	3.19	99	0.22	7	233.01	0.17	0.063	0.451		
Pattern: 12-08 Set: SPU 1	Apr-14	2.56	77	0.51	15	3.09	93	1.61	49	205.59	0.20	0.453	0.451		
Pattern: 12-08 Set: SPU 1	May-14	2.07	64	0.47	14	2.68	83	0.23	7	290.39	0.22	0.077	0.451		
Pattern: 12-08 Set: SPU 1	Jun-14	1.43	43	0.33	10	1.77	53	0.15	4	238.51	0.23	0.072	0.450		
Pattern: 12-08 Set: SPU 1	Jul-14	0.95	29	0.34	11	1.22	38	0.14	4	291.05	0.36	0.097	0.450		
Pattern: 12-08 Set: SPU 1	Aug-14	2.92	91	0.51	16	3.47	108	1.55	47	189.20	0.17	0.388	0.450		
Pattern: 12-08 Set: SPU 1	Sep-14	2.28	68	0.52	16	1.80	54	0.36	11	787.33	0.23	0.113	0.450		
Pattern: 12-08 Set: SPU 1	Oct-14	2.67	83	0.72	22	1.05	33	0.26	8	394.94	0.27	0.067	0.449		
Pattern: 12-08 Set: SPU 1	Nov-14	2.31	69	0.58	17	1.18	35	0.23	7	509.26	0.25	0.069	0.449		
Pattern: 12-08 Set: SPU 1	Dec-14	1.82	56	0.32	10	0.00	0	0.25	8	0.00	0.17	0.102	0.448		
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			828		180		1011		159					Sum	

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Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cf/bbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 14-08 Set: SPU 1	Jan-14	3.71	115	0.40	12	2.14	66	0.37	11	576.05	0.11	0.076	0.595	
Pattern: 14-08 Set: SPU 1	Feb-14	3.77	106	0.43	12	2.90	81	0.05	1	768.66	0.11	0.010	0.594	
Pattern: 14-08 Set: SPU 1	Mar-14	3.60	111	0.34	11	2.90	90	0.16	5	807.74	0.10	0.035	0.593	
Pattern: 14-08 Set: SPU 1	Apr-14	3.70	111	0.46	14	2.85	86	2.31	70	771.41	0.12	0.474	0.593	
Pattern: 14-08 Set: SPU 1	May-14	3.72	115	0.54	17	2.85	88	0.04	1	765.97	0.14	0.009	0.592	
Pattern: 14-08 Set: SPU 1	Jun-14	4.11	123	0.46	14	3.21	96			780.60	0.11		0.591	
Pattern: 14-08 Set: SPU 1	Jul-14	2.85	88	0.40	12	1.94	60			679.34	0.14		0.590	
Pattern: 14-08 Set: SPU 1	Aug-14	3.77	117	0.37	11	2.76	86	3.13	95	732.01	0.10	0.643	0.590	
Pattern: 14-08 Set: SPU 1	Sep-14	3.18	95	0.45	14	1.53	46	0.55	17	481.78	0.14	0.131	0.590	
Pattern: 14-08 Set: SPU 1	Oct-14	3.58	111	0.53	17	1.57	49	0.15	5	437.40	0.15	0.031	0.589	
Pattern: 14-08 Set: SPU 1	Nov-14	3.21	96	0.47	14	1.80	54			559.62	0.15		0.588	
Pattern: 14-08 Set: SPU 1	Dec-14	3.41	106	0.30	9	0.00	0	0.12	4	0.00	0.09	0.027	0.588	
			-----		-----		-----		-----					
			1295		156		802		209					Sum

Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cf/bbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 14-09 Set: SPU 1	Jan-14	26.48	821	7.29	226	10.68	331	23.16	704	403.35	0.28	0.597	0.669	
Pattern: 14-09 Set: SPU 1	Feb-14	26.90	753	7.63	214	10.06	282	26.09	793	373.92	0.28	0.658	0.669	
Pattern: 14-09 Set: SPU 1	Mar-14	26.78	830	7.33	227	9.77	303	57.67	10873	364.80	0.27	9.124	0.680	
Pattern: 14-09 Set: SPU 1	Apr-14	24.56	737	8.94	268	7.03	211	63.52	26251	286.42	0.36	2.630	0.705	
Pattern: 14-09 Set: SPU 1	May-14	19.85	615	11.35	352	6.95	215	62.85	23191	350.02	0.57	1.810	0.728	
Pattern: 14-09 Set: SPU 1	Jun-14	26.52	796	10.67	320	8.21	246	84.61	23852	309.64	0.40	8.583	0.751	
Pattern: 14-09 Set: SPU 1	Jul-14	19.97	619	10.82	335	6.32	196	84.42	20806	316.68	0.54	9.794	0.771	
Pattern: 14-09 Set: SPU 1	Aug-14	27.12	841	8.68	269	9.26	287	26.98	28180	341.26	0.32	2.635	0.799	
Pattern: 14-09 Set: SPU 1	Sep-14	25.67	770	11.11	333	8.56	257	74.97	23559	333.64	0.43	8.604	0.822	
Pattern: 14-09 Set: SPU 1	Oct-14	28.97	898	13.34	413	7.49	232	03.06	24413	258.51	0.46	6.795	0.845	
Pattern: 14-09 Set: SPU 1	Nov-14	31.38	941	13.34	400	8.59	258	01.78	24374	273.88	0.43	5.820	0.868	
Pattern: 14-09 Set: SPU 1	Dec-14	23.48	728	9.42	292	0.92	28	56.72	19964	39.05	0.40	7.576	0.887	
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			9349		3651		2847		226961					Sum

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Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cfbbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 16-04 Set: SPU 1	Jan-14	4.02	125	0.04	1	2.42	75	0.43	13	602.58	0.01	0.088	0.547	
Pattern: 16-04 Set: SPU 1	Feb-14	3.88	109	0.03	1	2.18	61			560.65	0.01		0.546	
Pattern: 16-04 Set: SPU 1	Mar-14	3.60	112	0.02	0	2.45	76			680.08	0.00		0.545	
Pattern: 16-04 Set: SPU 1	Apr-14	3.68	110	0.02	0	2.44	73			663.83	0.00		0.544	
Pattern: 16-04 Set: SPU 1	May-14	3.78	117	0.02	1	2.56	79			678.27	0.01		0.543	
Pattern: 16-04 Set: SPU 1	Jun-14	3.77	113	0.03	1	1.91	57			507.58	0.01		0.542	
Pattern: 16-04 Set: SPU 1	Jul-14	2.46	76	0.03	1	1.22	38			498.82	0.01		0.541	
Pattern: 16-04 Set: SPU 1	Aug-14	3.64	113	0.01	0	2.53	79			696.93	0.00		0.540	
Pattern: 16-04 Set: SPU 1	Sep-14	2.92	88	0.01	0	2.12	64	1.34	41	725.76	0.00	0.385	0.539	
Pattern: 16-04 Set: SPU 1	Oct-14	3.31	103	0.02	1	2.53	79	0.16	5	765.23	0.01	0.041	0.538	
Pattern: 16-04 Set: SPU 1	Nov-14	3.27	98	0.02	1	3.06	92	24.84	755	935.76	0.01	6.349	0.549	
Pattern: 16-04 Set: SPU 1	Dec-14	3.29	102	0.04	1	0.00	0	17.28	3565	0.00	0.01	9.696	0.604	
			-----		-----		-----		-----					
			1265		8		773		4379					Sum

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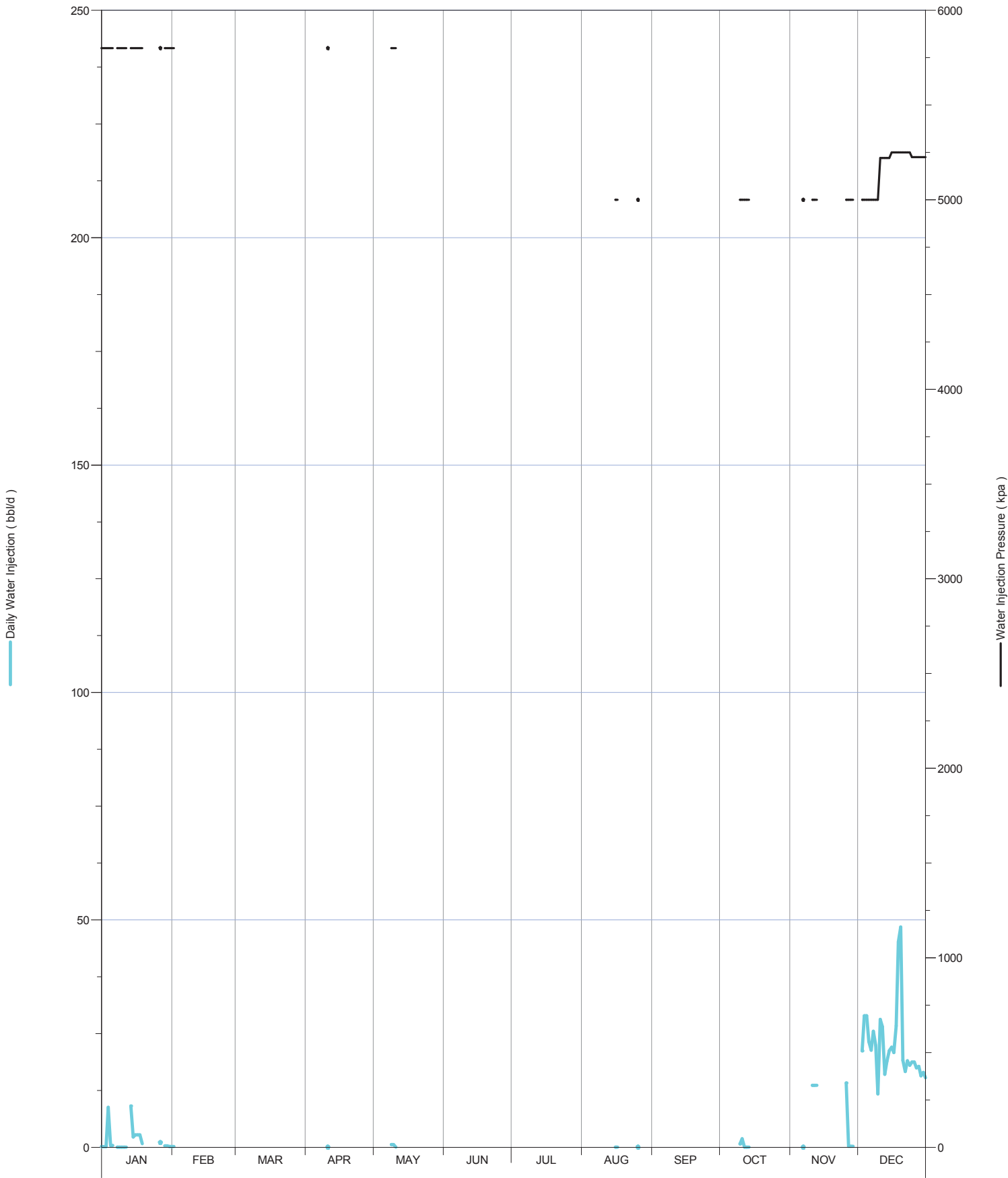
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South Pierson Unit #1 Group Production and Injection

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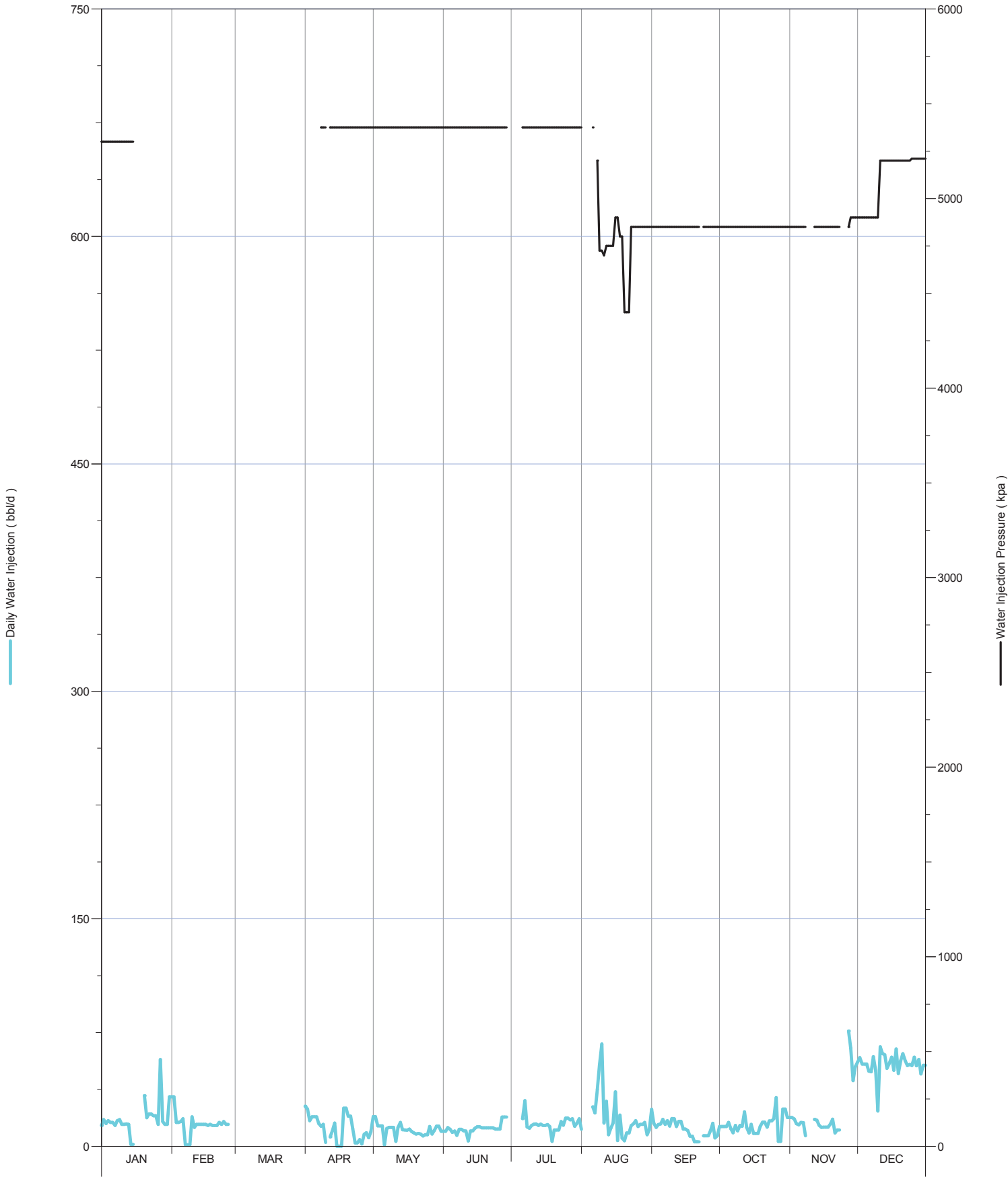
Pattern Name	Date	Oil Rate (CD) bbl/d	Monthly Oil Prod bbl	Water Rate (CD) bbl/d	Monthly Water Prod bbl	Gas Rate (CD) Mcf/d	Monthly Gas Prod Mcf	Water Inj Rate (CD) bbl/d	Monthly Water Inj bbl	Gas Oil Ratio cfbbl	Water Oil Ratio bbl/bbl	Inst VRR	Cum VRR	
Pattern: 10-04 Set: SPU 1	Jan-14	3.00	93	0.18	6	1.03	32			342.01	0.06		0.382	
Pattern: 10-04 Set: SPU 1	Feb-14	3.26	91	0.25	7	1.04	29			318.90	0.08		0.380	
Pattern: 10-04 Set: SPU 1	Mar-14	3.19	99	0.25	8	1.03	32			321.86	0.08		0.378	
Pattern: 10-04 Set: SPU 1	Apr-14	3.24	97	0.28	8	0.97	29			299.32	0.09		0.376	
Pattern: 10-04 Set: SPU 1	May-14	2.92	91	0.27	8	1.59	49			545.86	0.09		0.374	
Pattern: 10-04 Set: SPU 1	Jun-14	2.69	81	0.23	7	1.94	58			720.94	0.09		0.372	
Pattern: 10-04 Set: SPU 1	Jul-14	1.41	44	0.25	8	1.28	40			912.12	0.18		0.371	
Pattern: 10-04 Set: SPU 1	Aug-14	2.90	90	0.23	7	1.71	53			588.94	0.08		0.369	
Pattern: 10-04 Set: SPU 1	Sep-14	2.46	74	0.27	8	1.44	43			585.35	0.11		0.368	
Pattern: 10-04 Set: SPU 1	Oct-14	2.95	92	0.36	11	1.71	53			578.82	0.12		0.366	
Pattern: 10-04 Set: SPU 1	Nov-14	2.96	89	0.34	10	2.06	62			695.61	0.11		0.364	
Pattern: 10-04 Set: SPU 1	Dec-14	2.79	87	0.22	7	0.00	0			0.00	0.08		0.362	
			-----		-----		-----		-----					
			1026		95		480		0					Sum

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Daily Injection Rate and Pressure for: 00/02-08-002-29W1/0

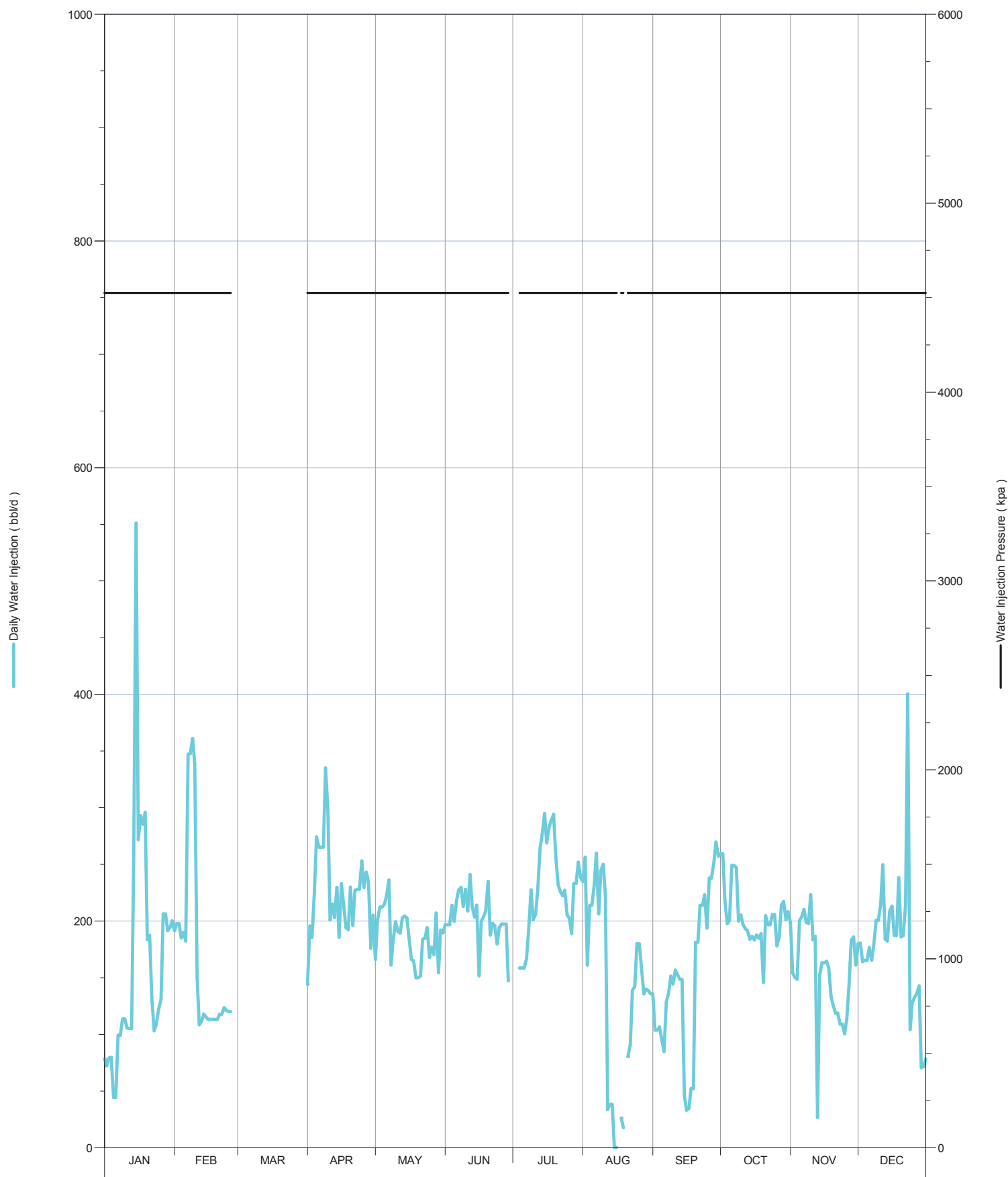


Daily Injection Rate and Pressure for: 00/02-09-002-29W1/0

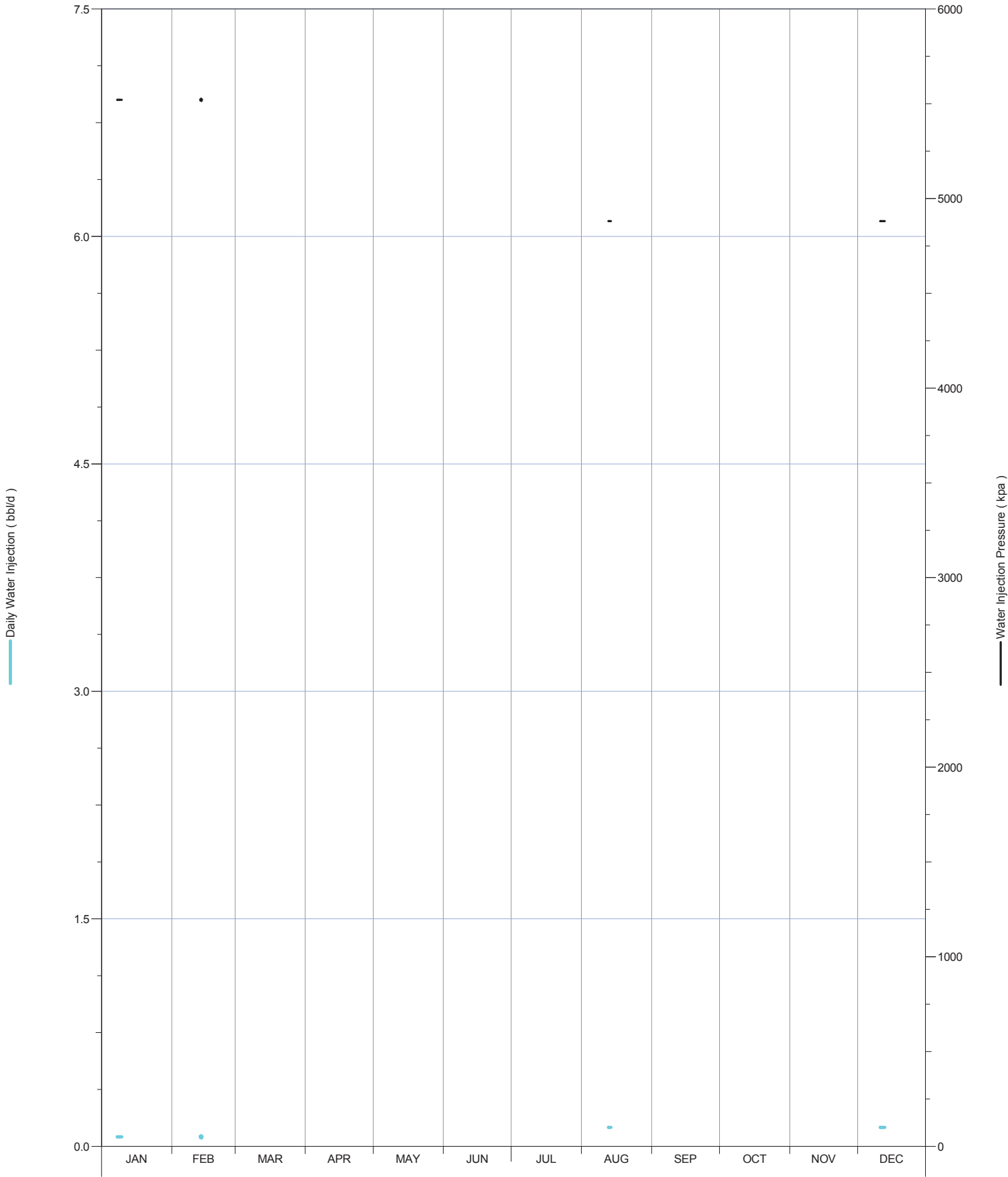




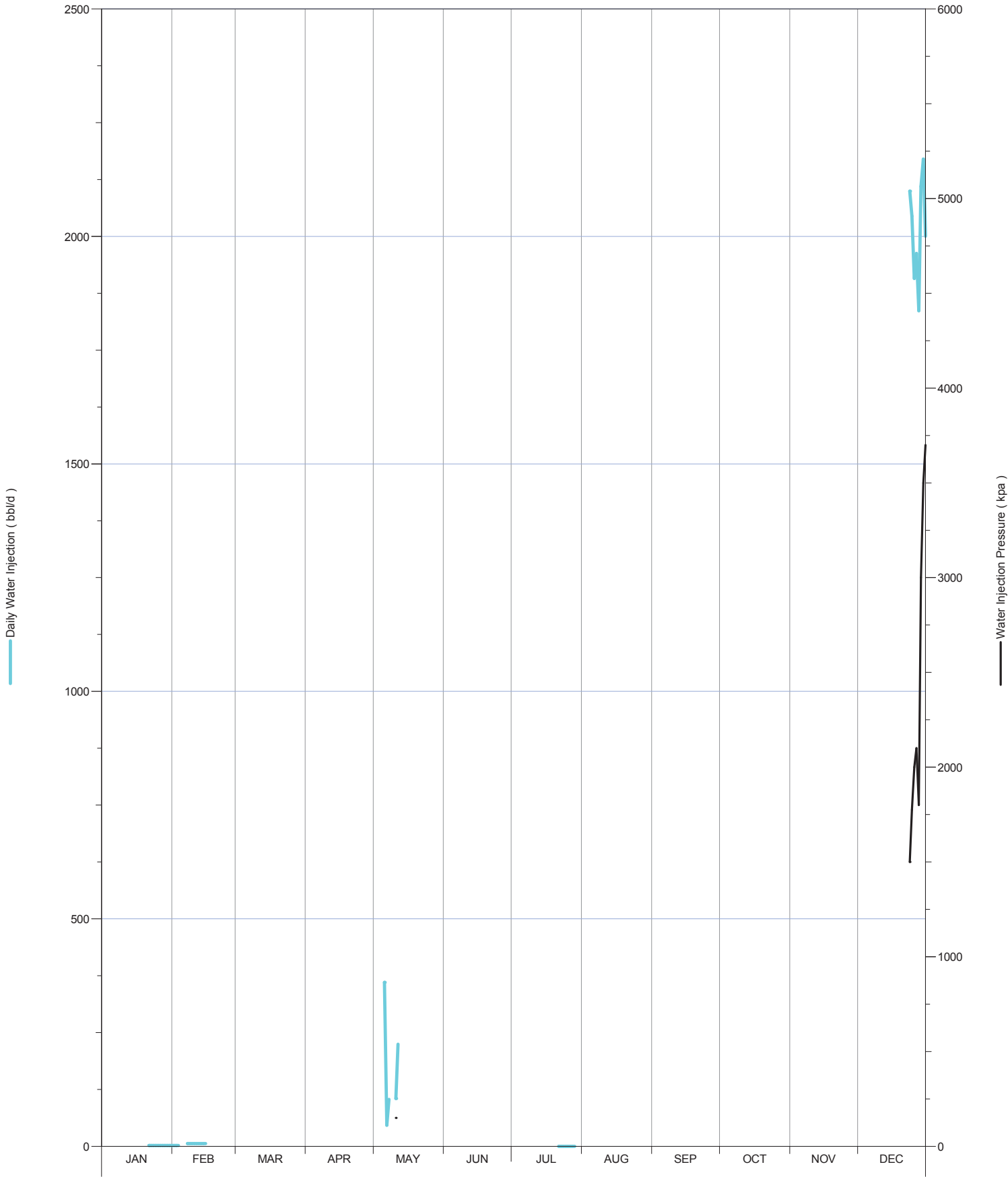
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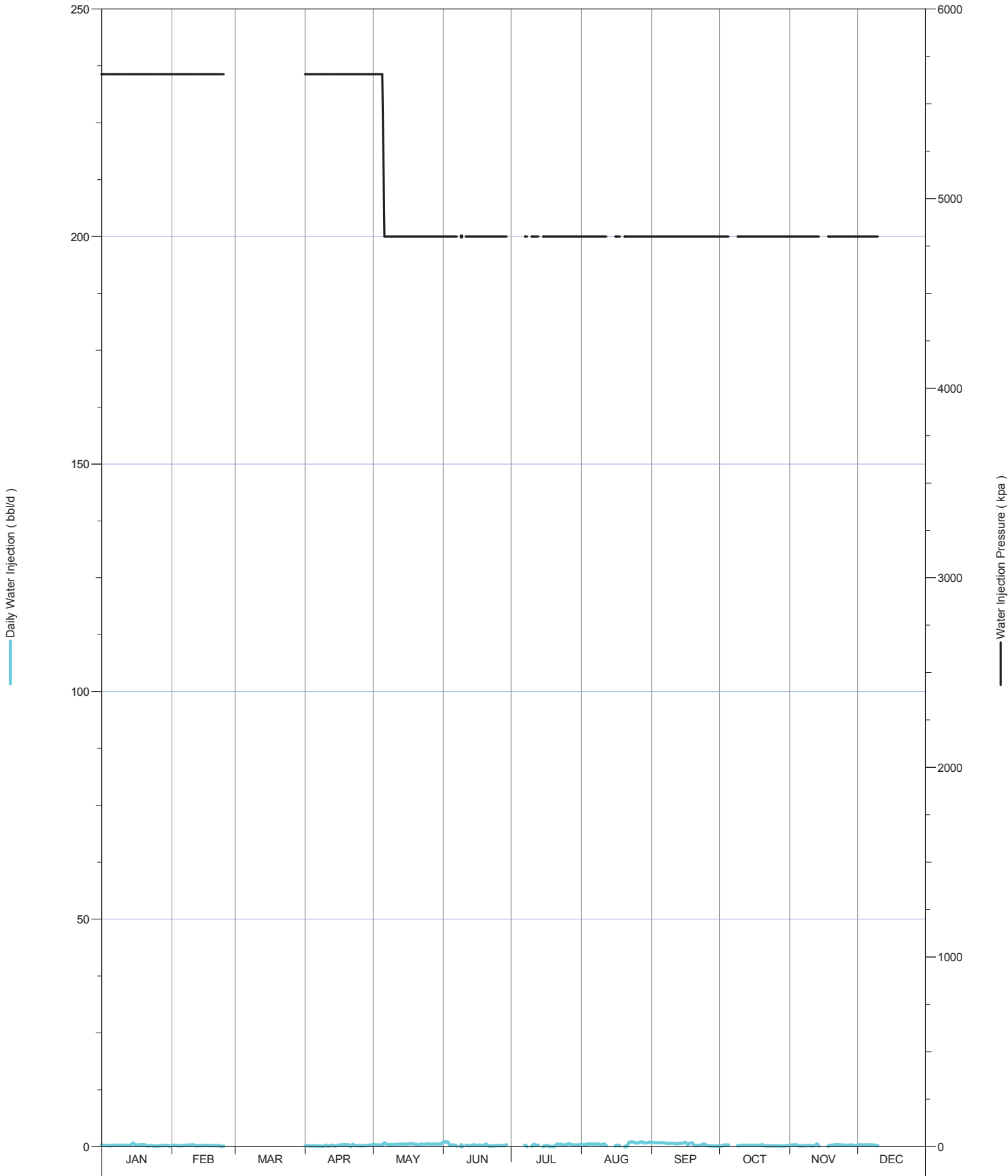
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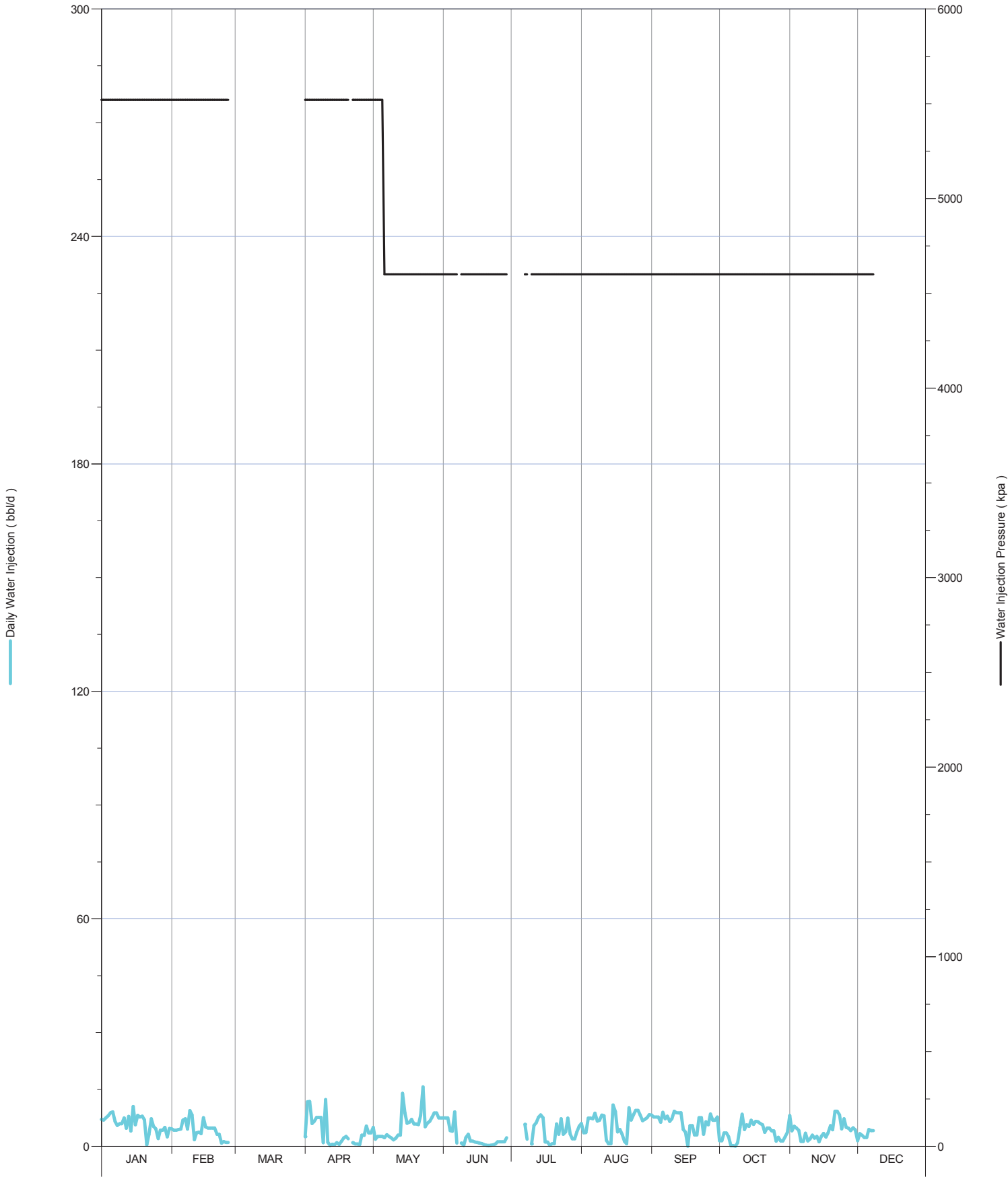
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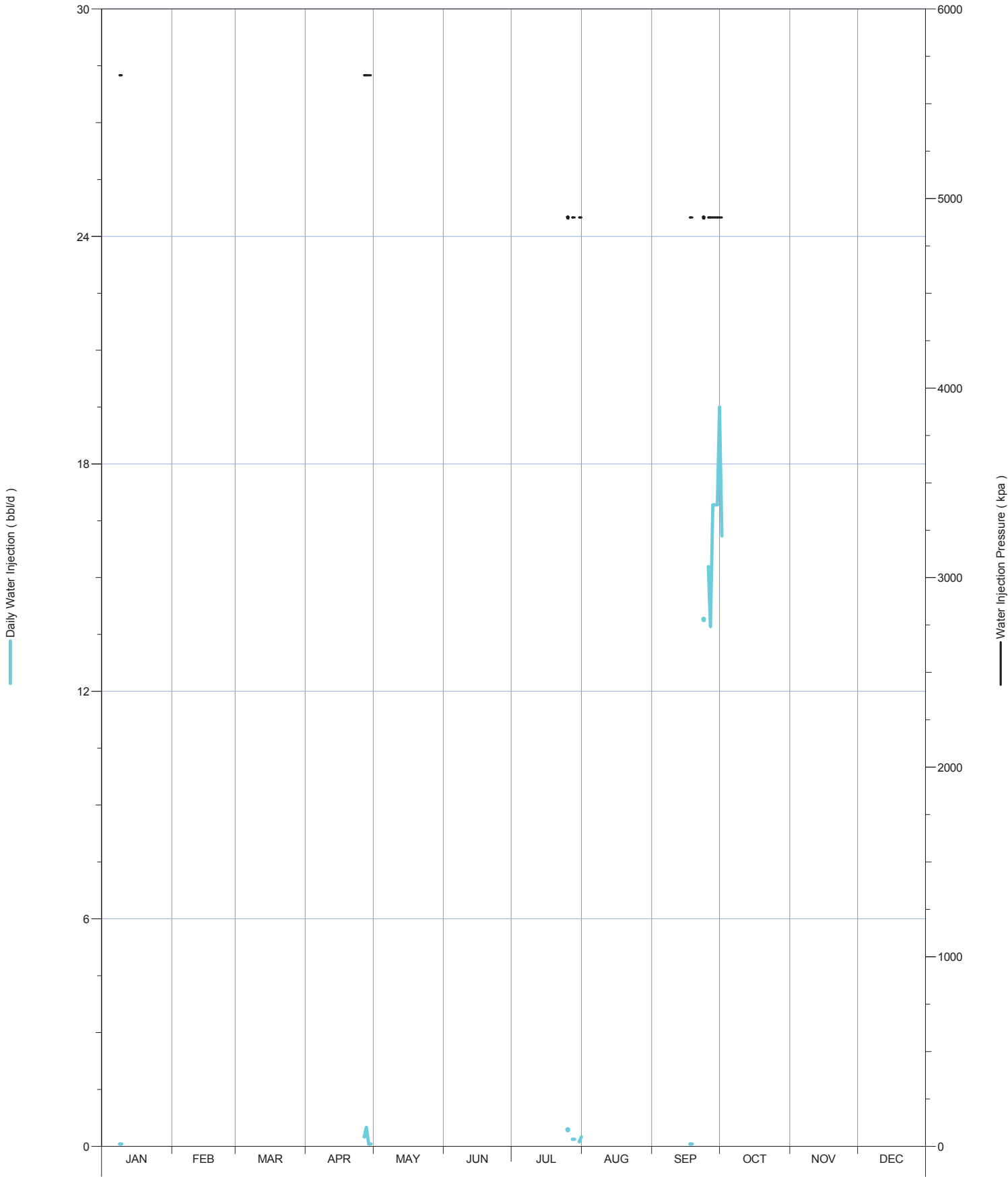
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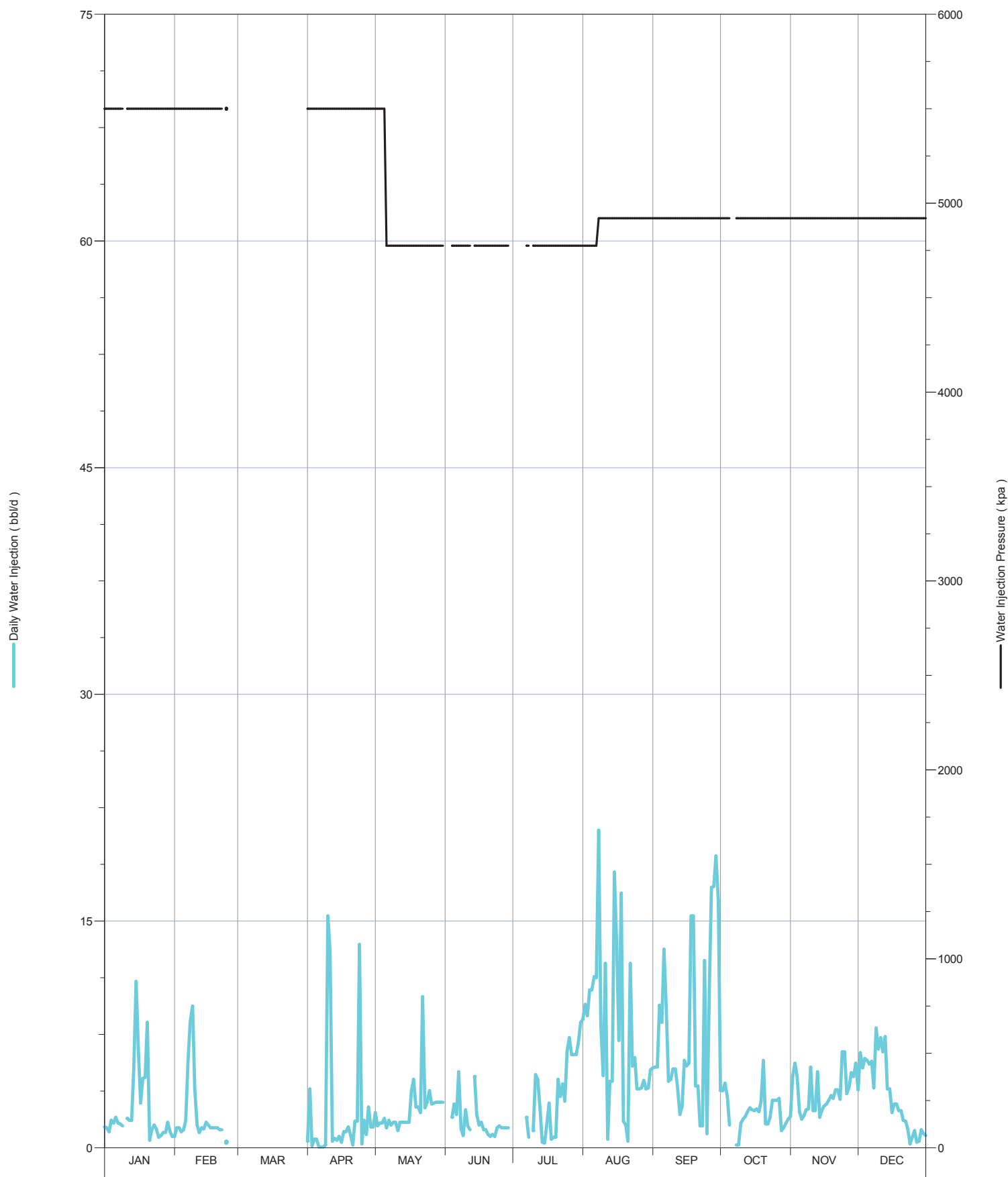
Daily Injection Rate and Pressure for: 00/04-16-002-29W1/0



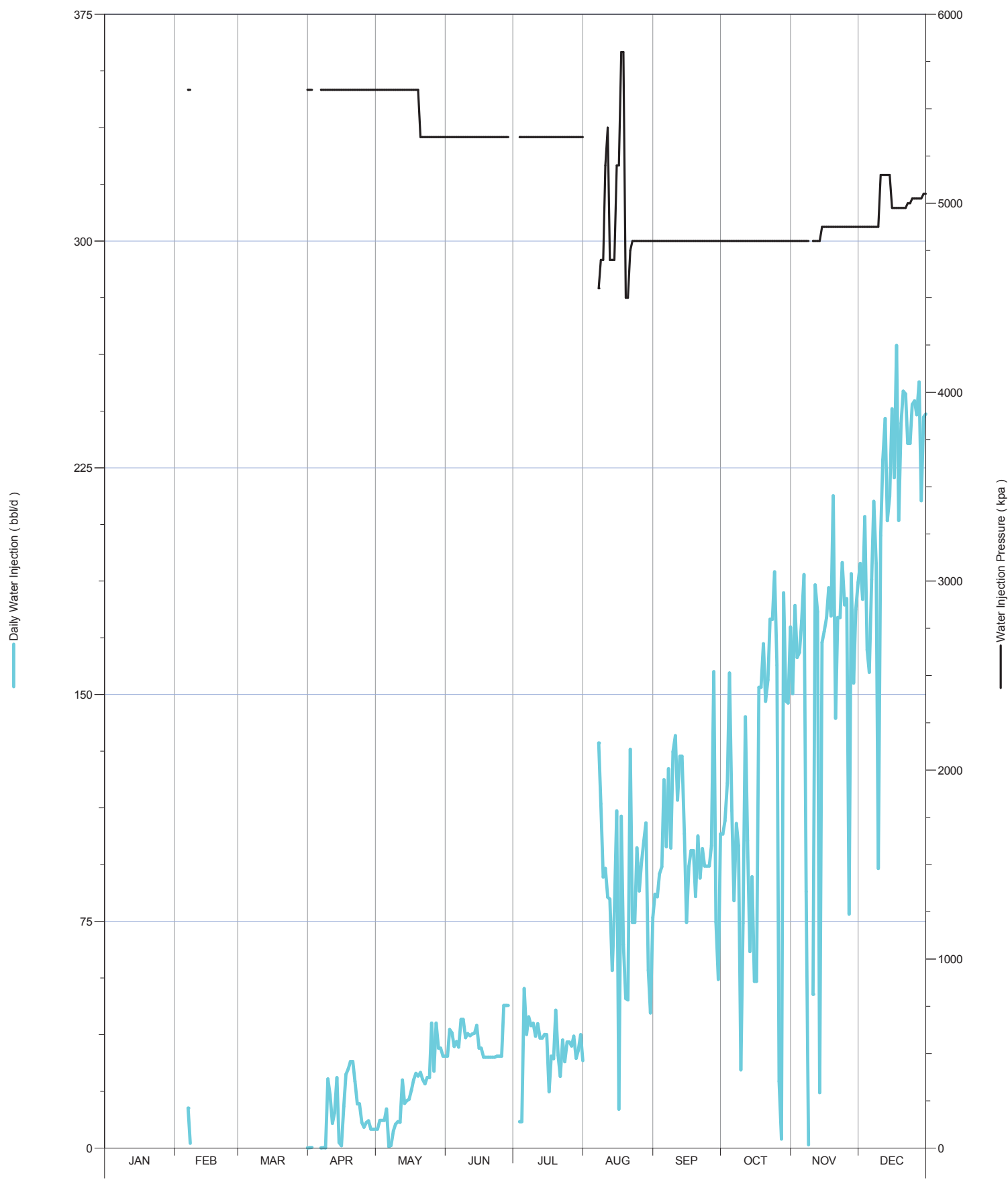
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Daily Injection Rate and Pressure for: 00/06-08-002-29W1/0

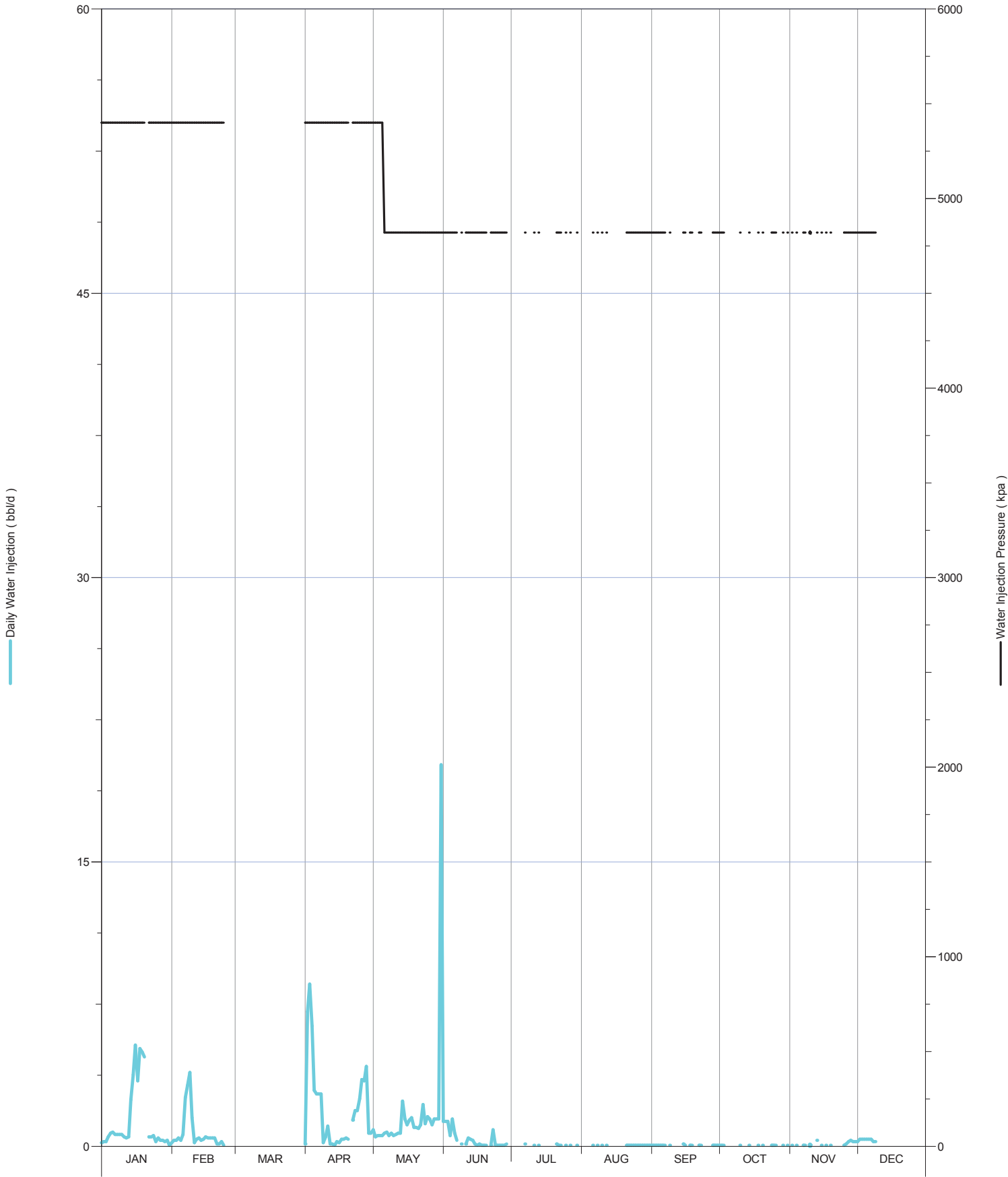


Daily Injection Rate and Pressure for: 00/06-09-002-29W1/0

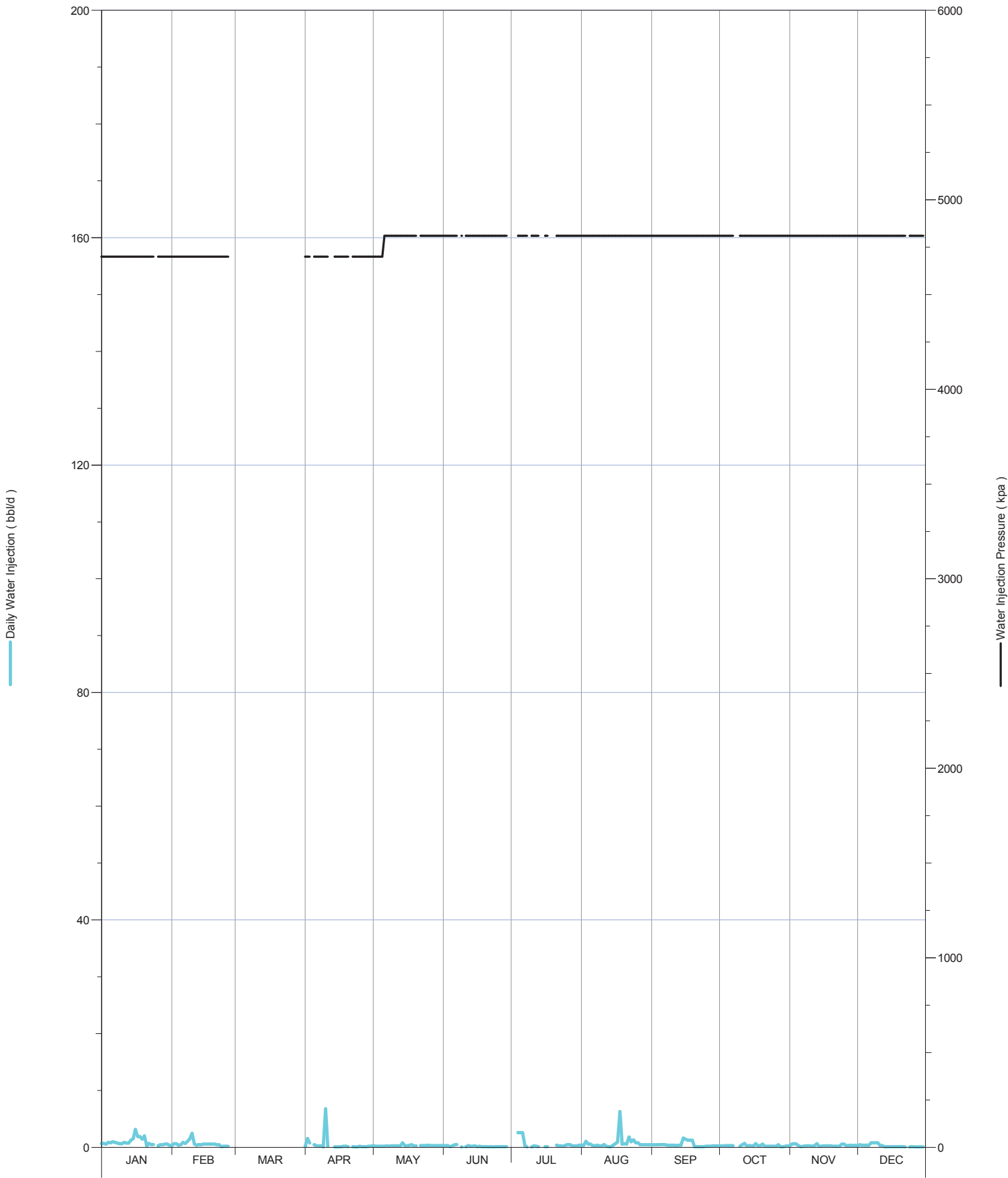




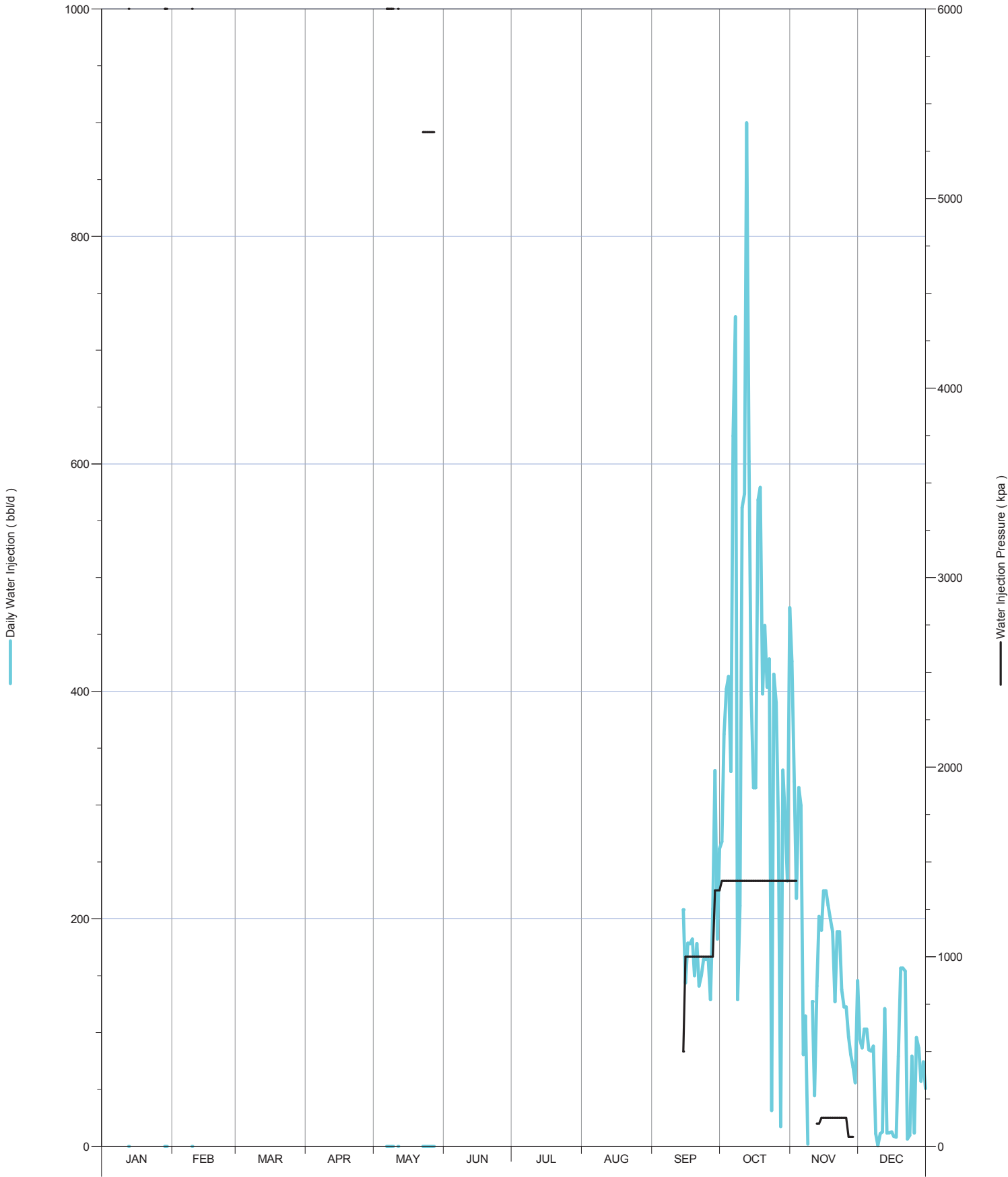
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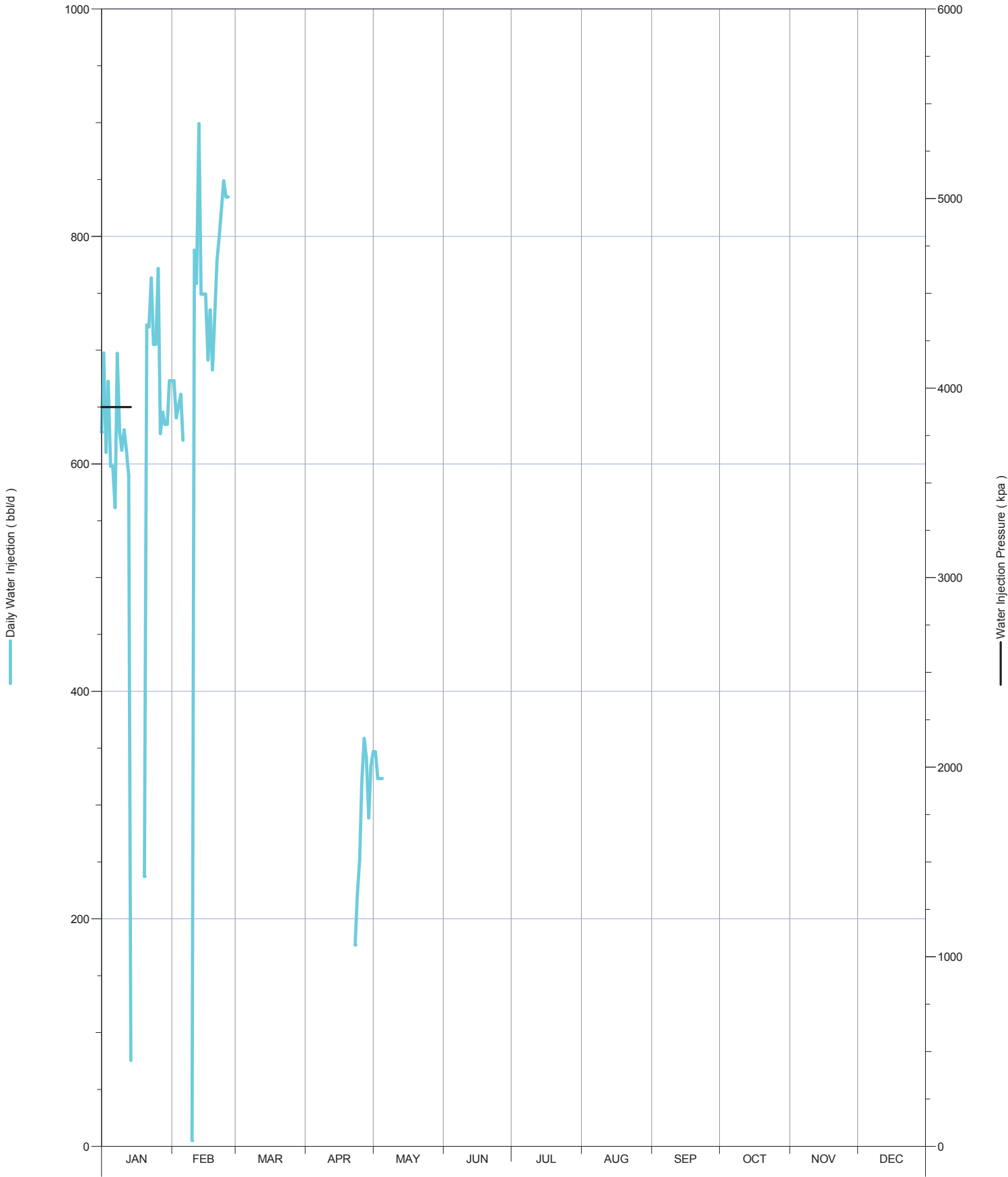
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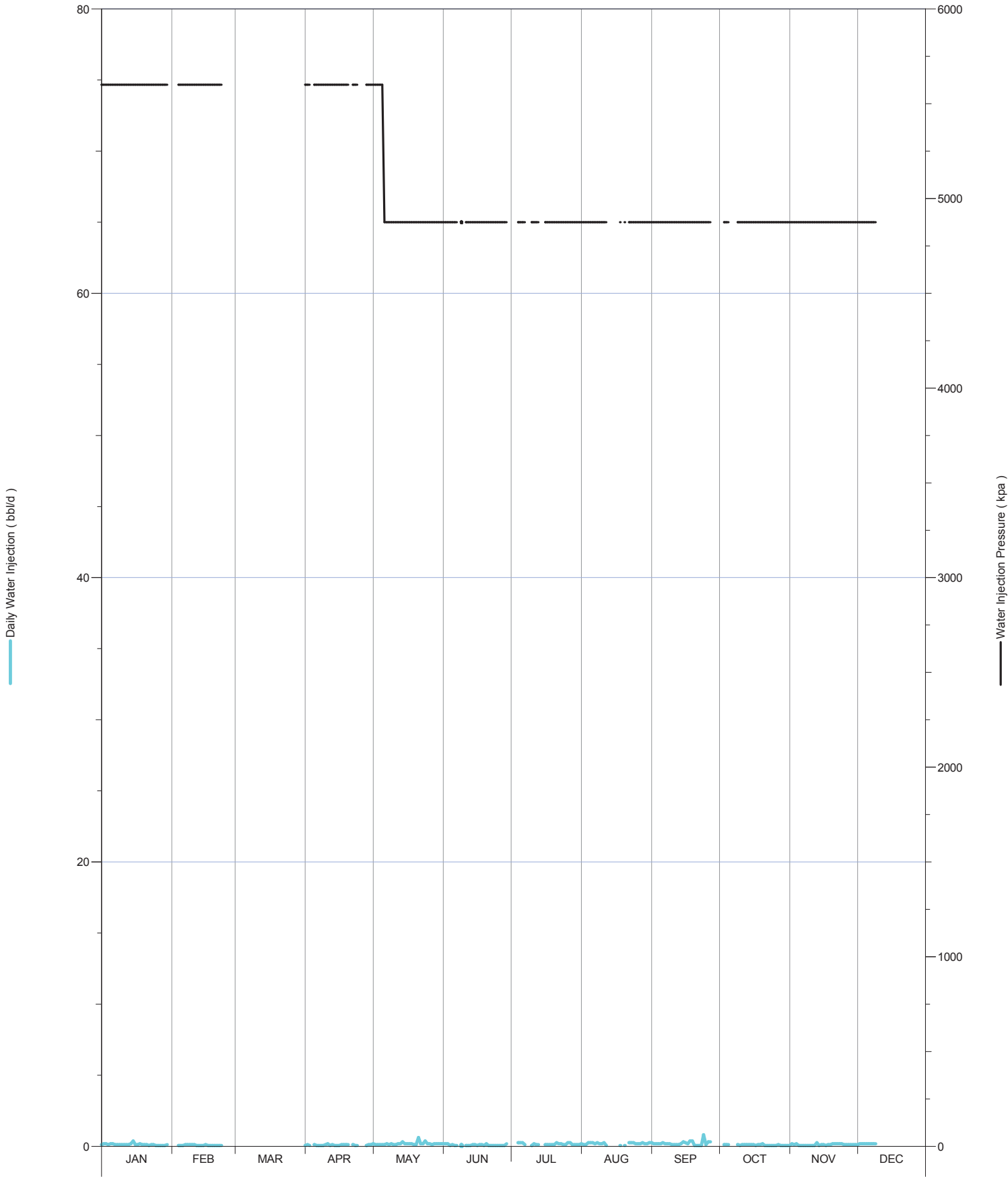
Daily Injection Rate and Pressure for: 00/08-08-002-29W1/0



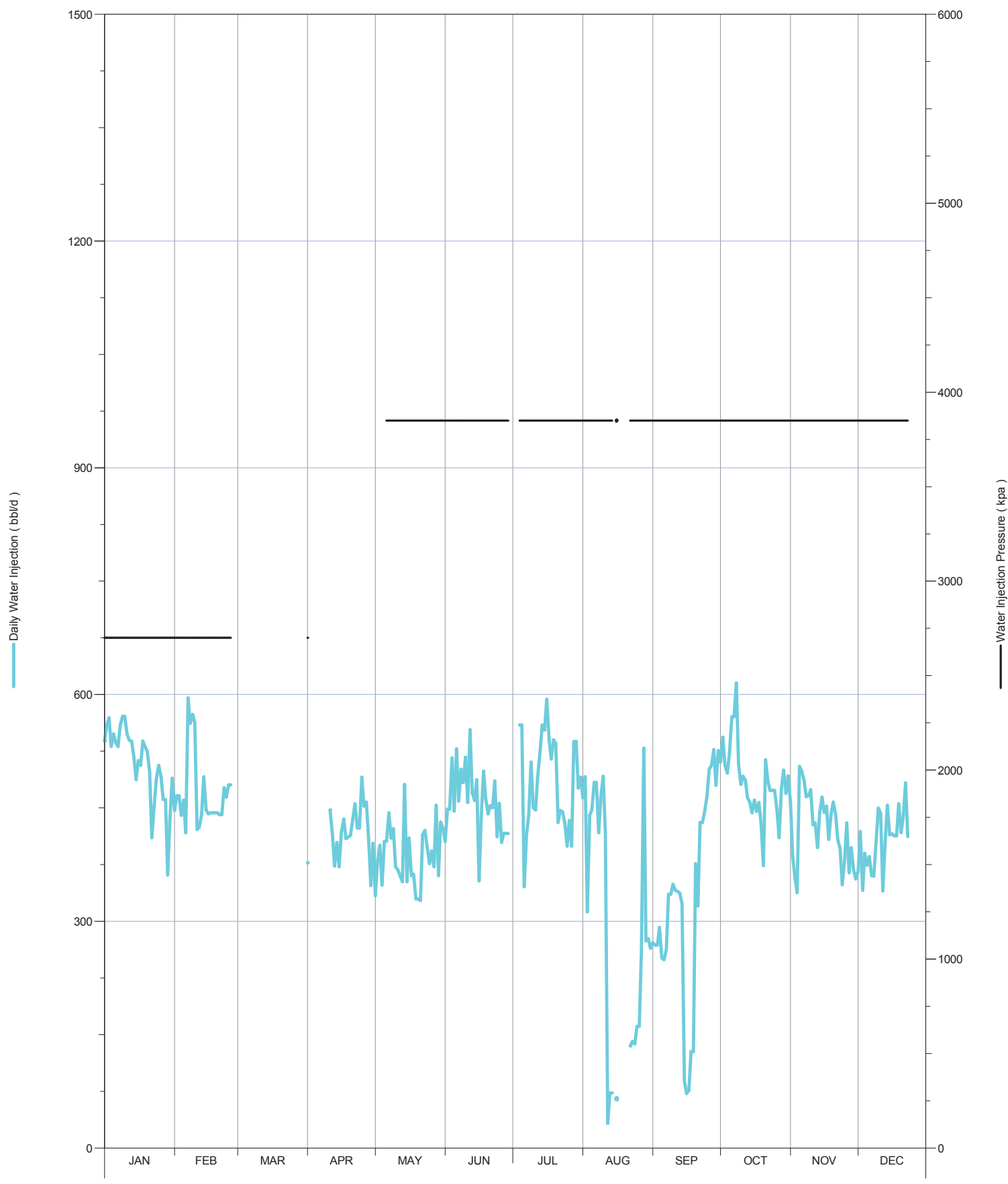
Daily Injection Rate and Pressure for: 00/08-09-002-29W1/0



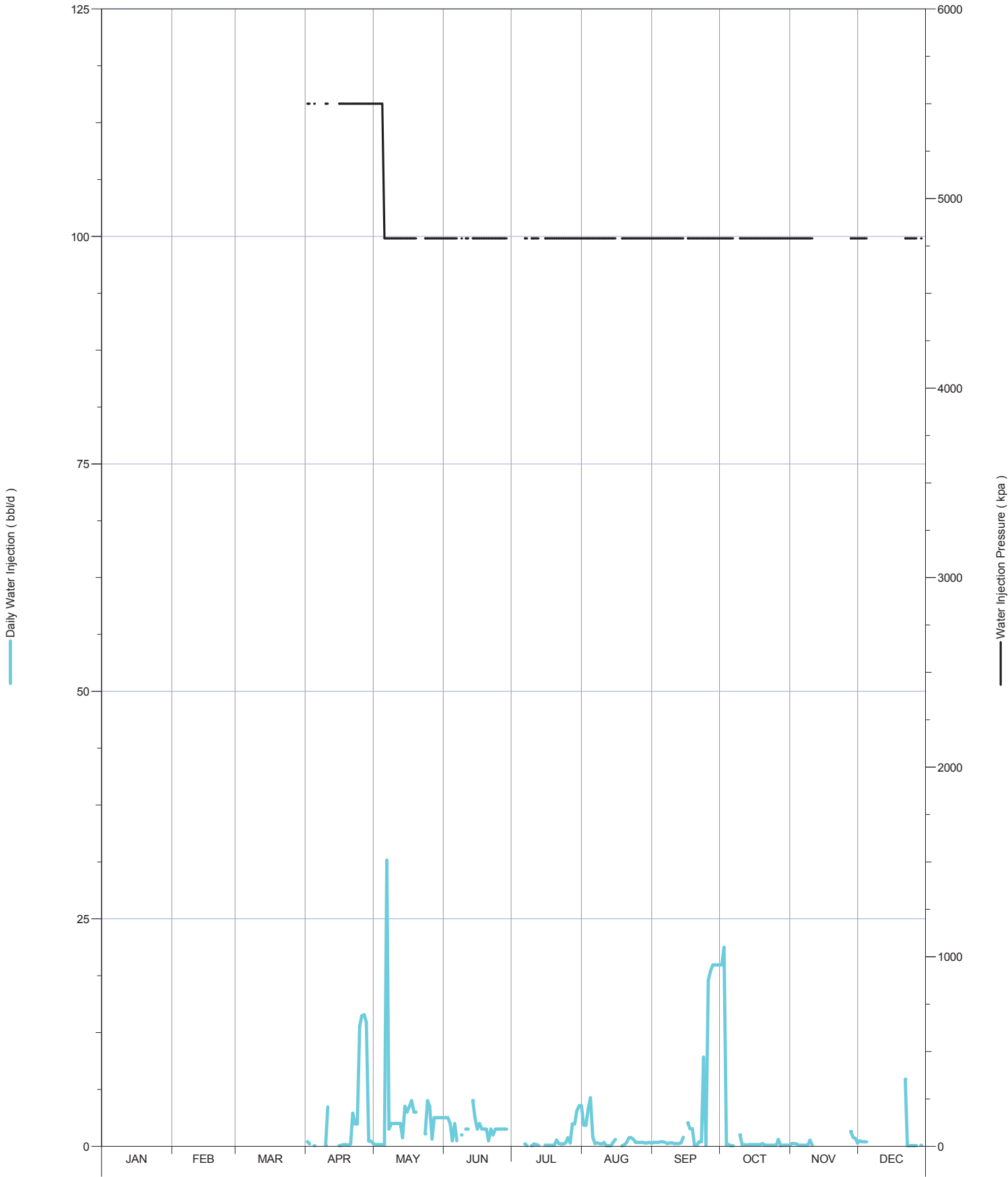
Daily Injection Rate and Pressure for: 00/08-16-002-29W1/0



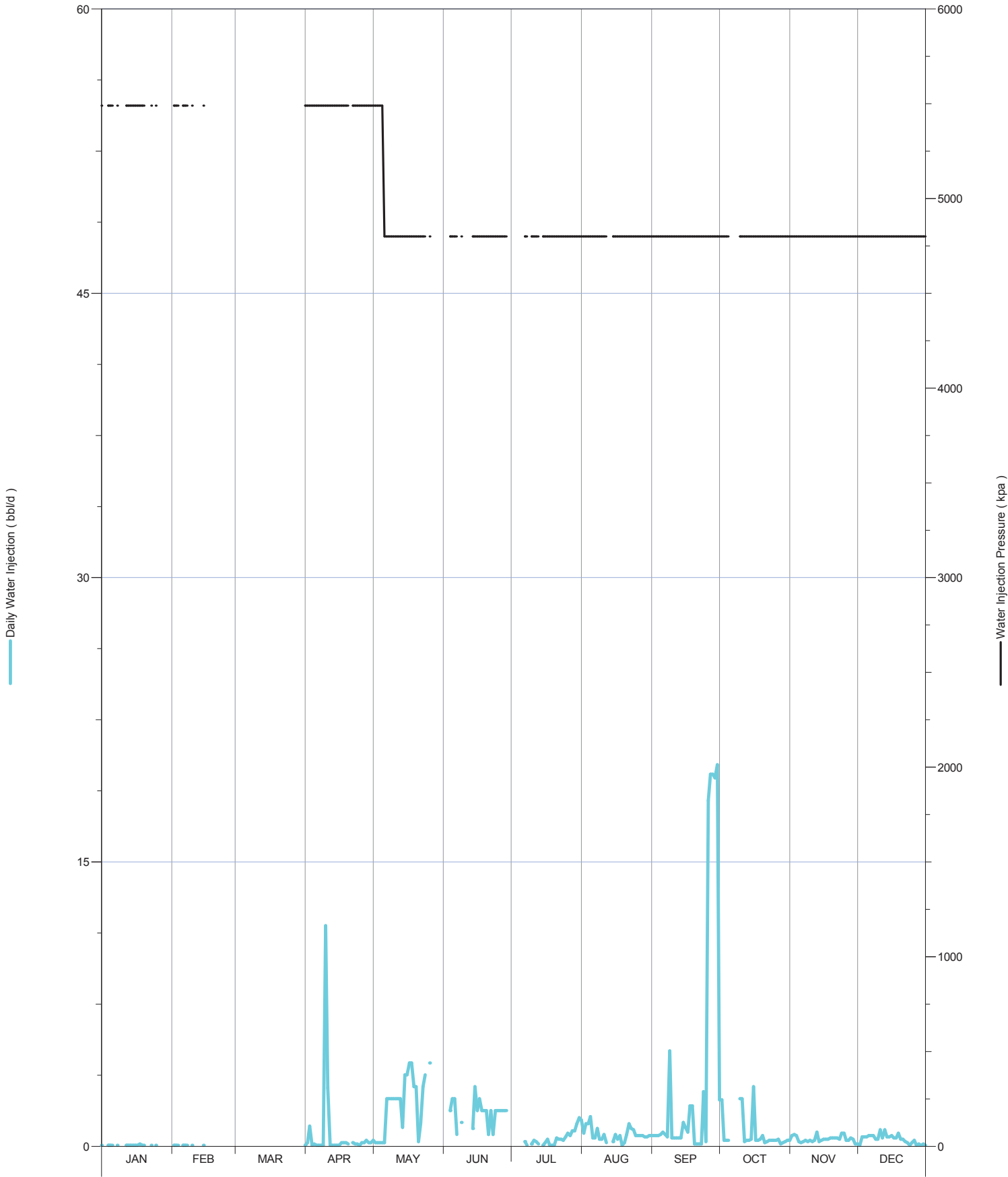
Daily Injection Rate and Pressure for: 00/08-17-002-29W1/0



Daily Injection Rate and Pressure for: 00/08-18-002-29W1/0

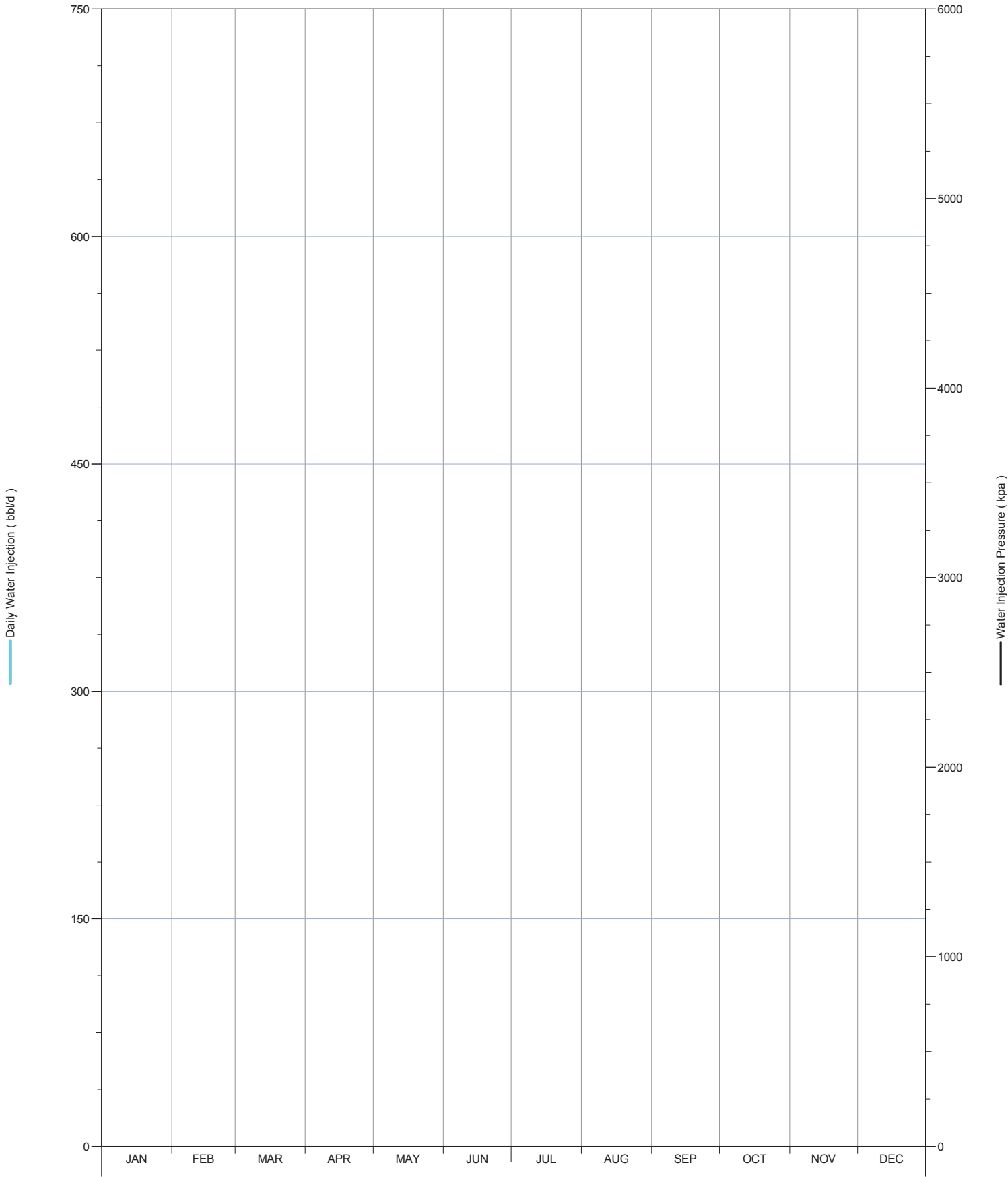


Daily Injection Rate and Pressure for: 00/10-08-002-29W1/0

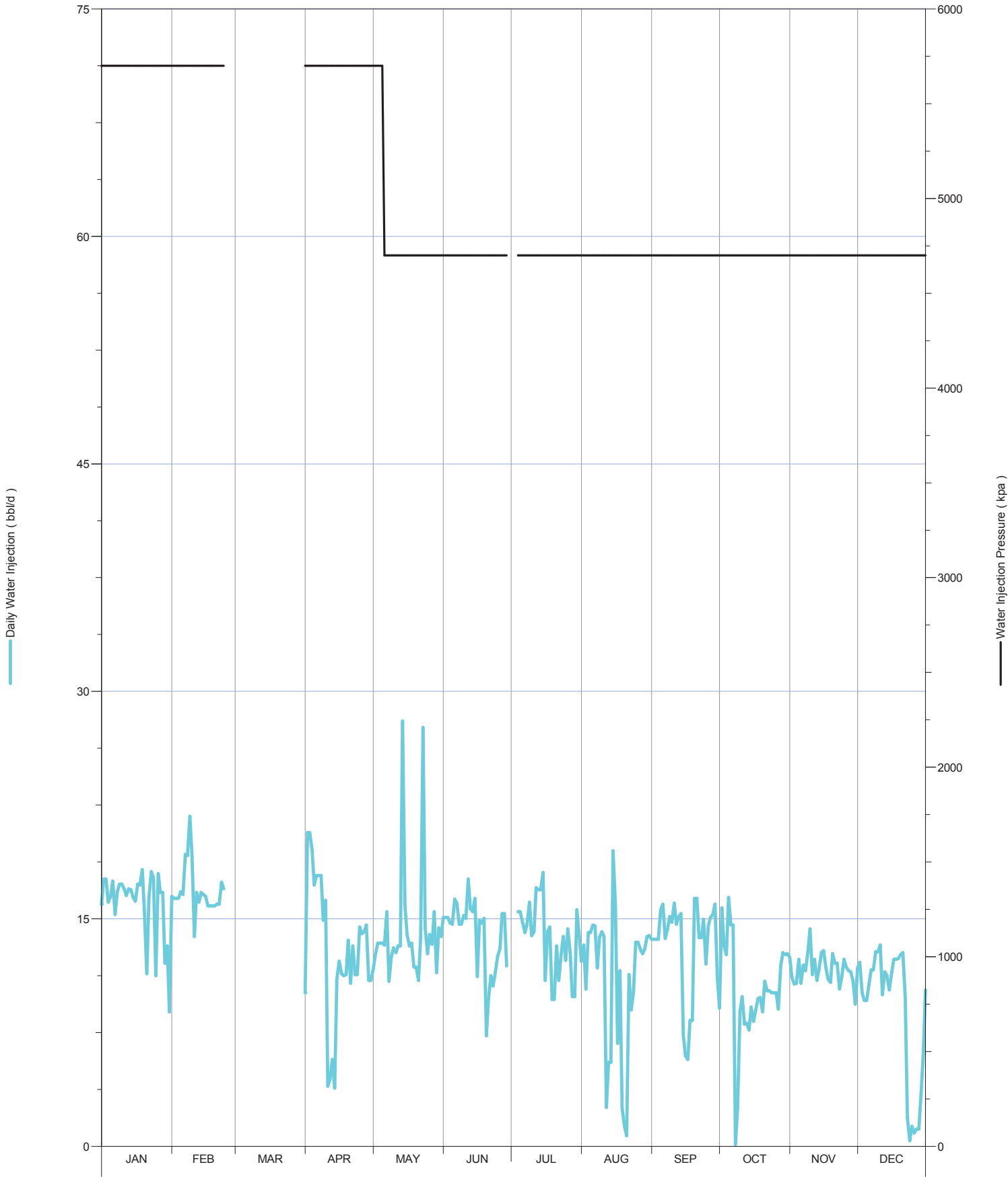




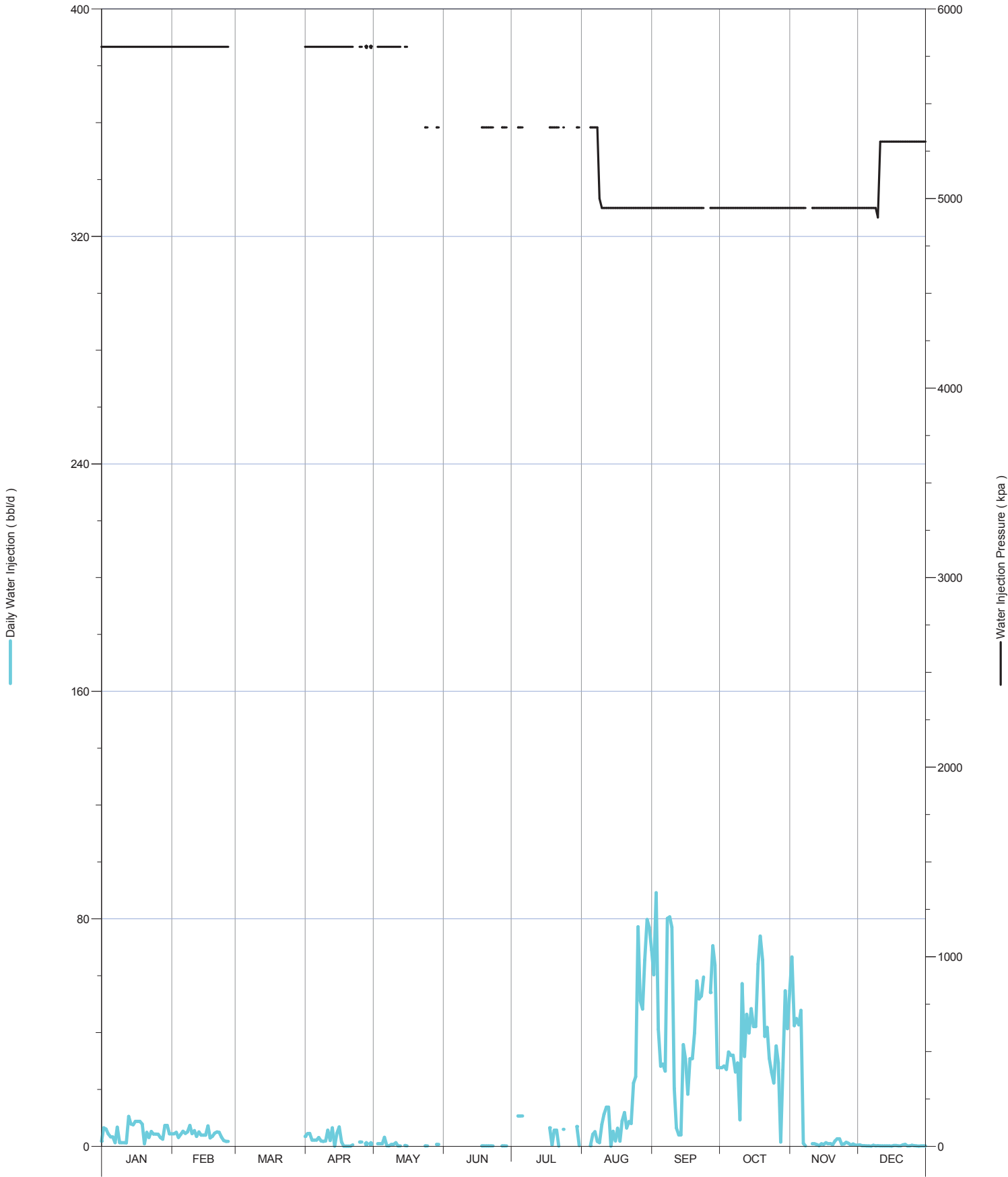
Daily Injection Rate and Pressure for: 00/10-09-002-29W1/0



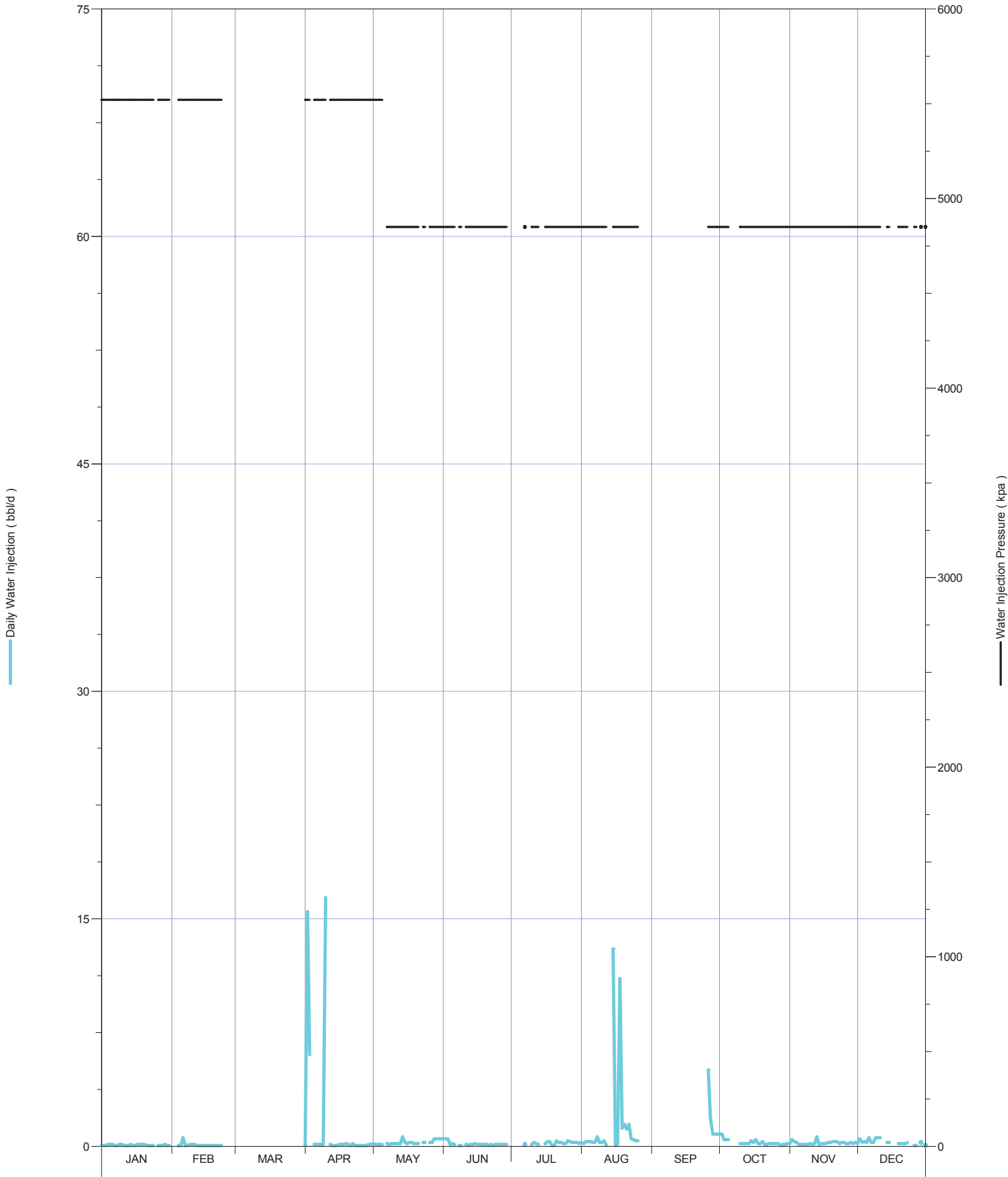
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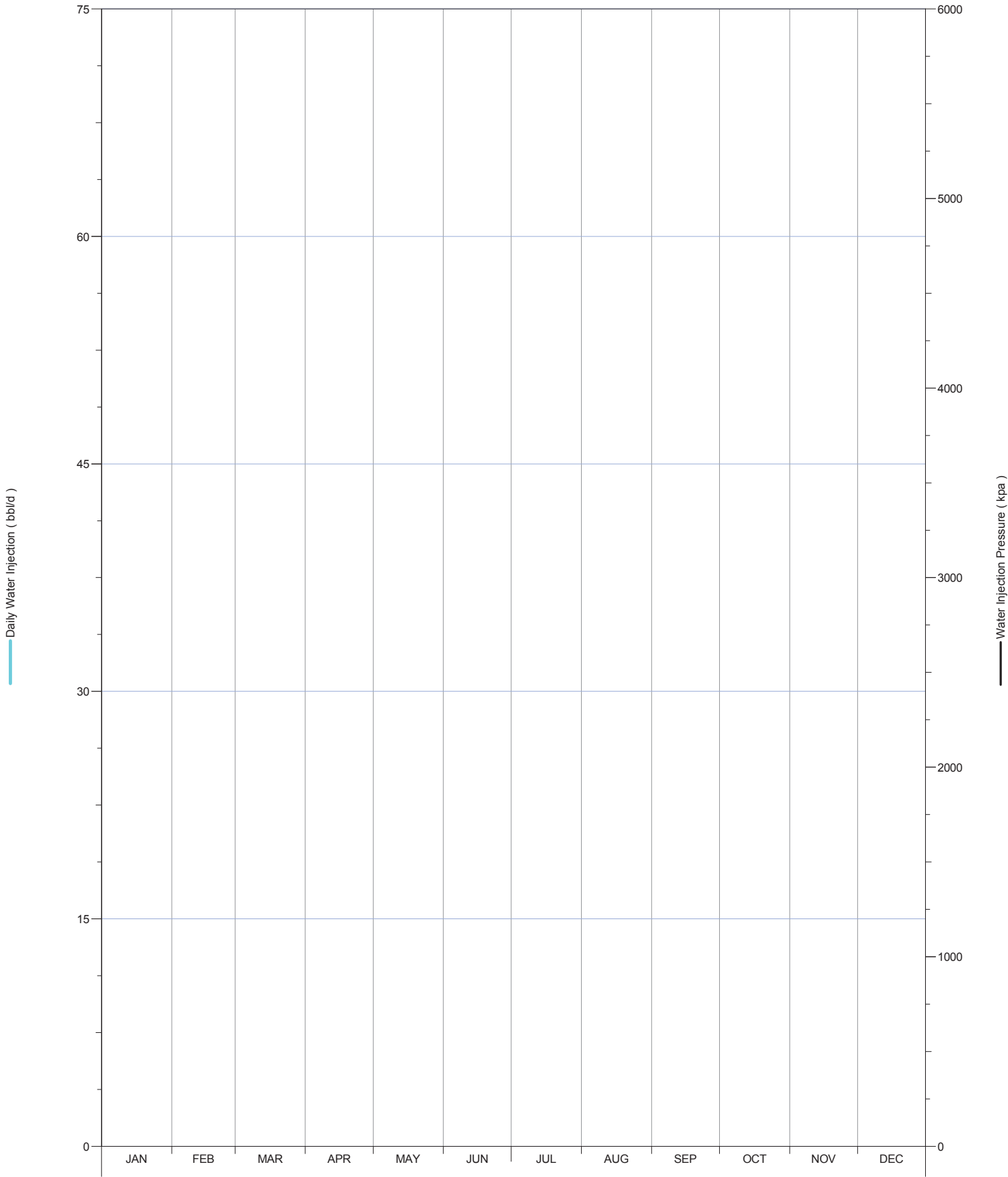
Daily Injection Rate and Pressure for: 00/12-04-002-29W1/0



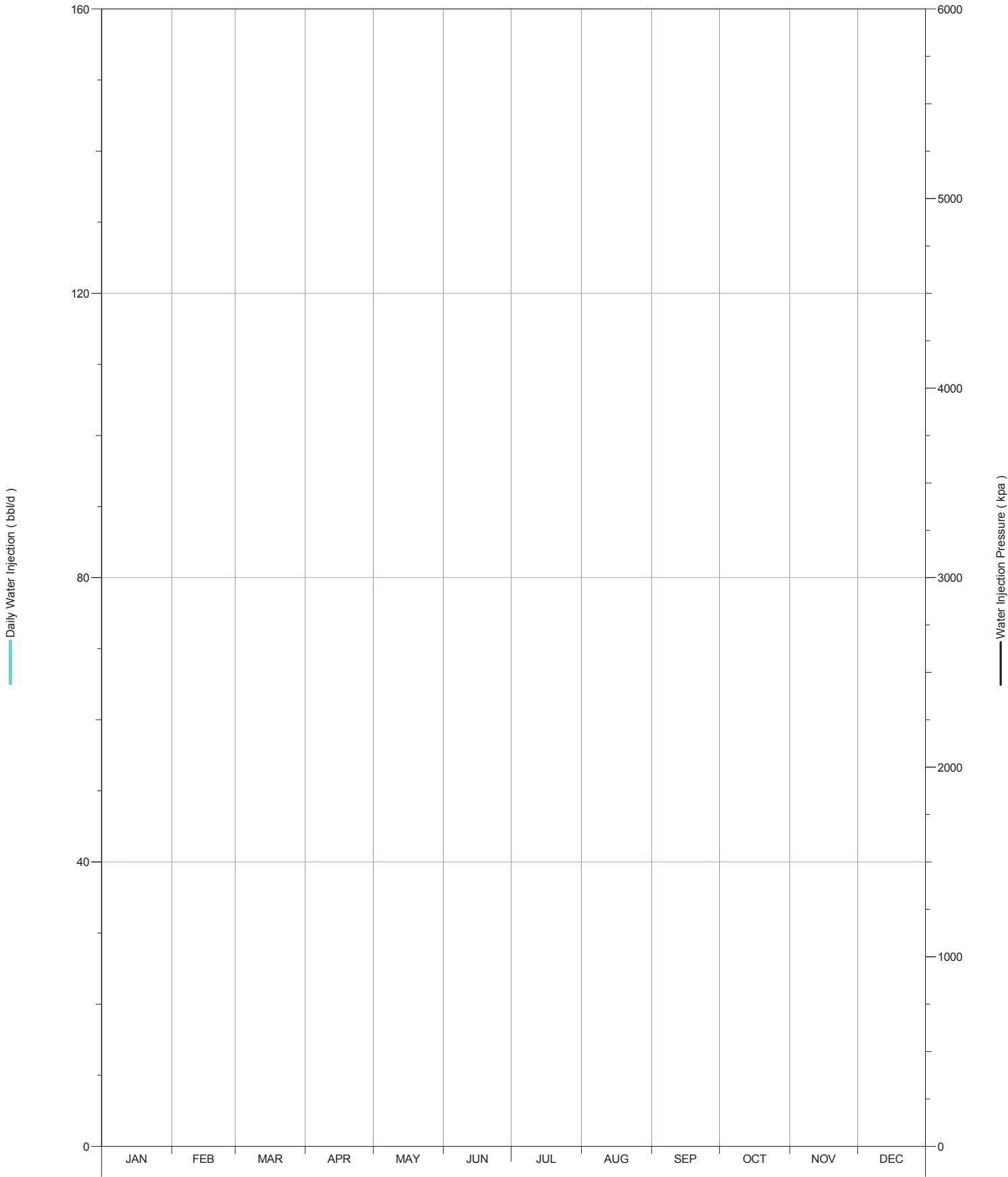
Daily Injection Rate and Pressure for: 00/12-08-002-29W1/0



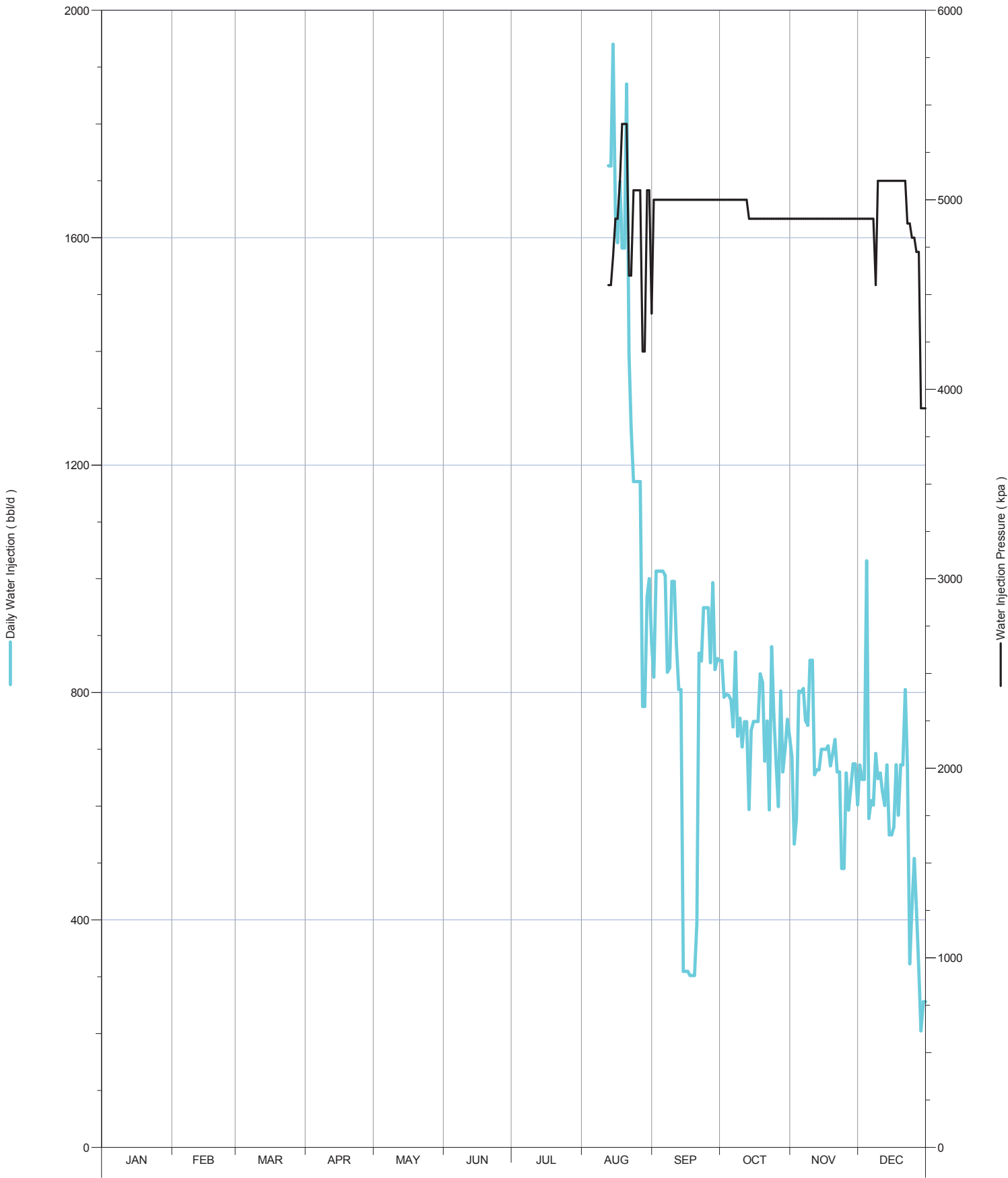
Daily Injection Rate and Pressure for: 00/12-09-002-29W1/0



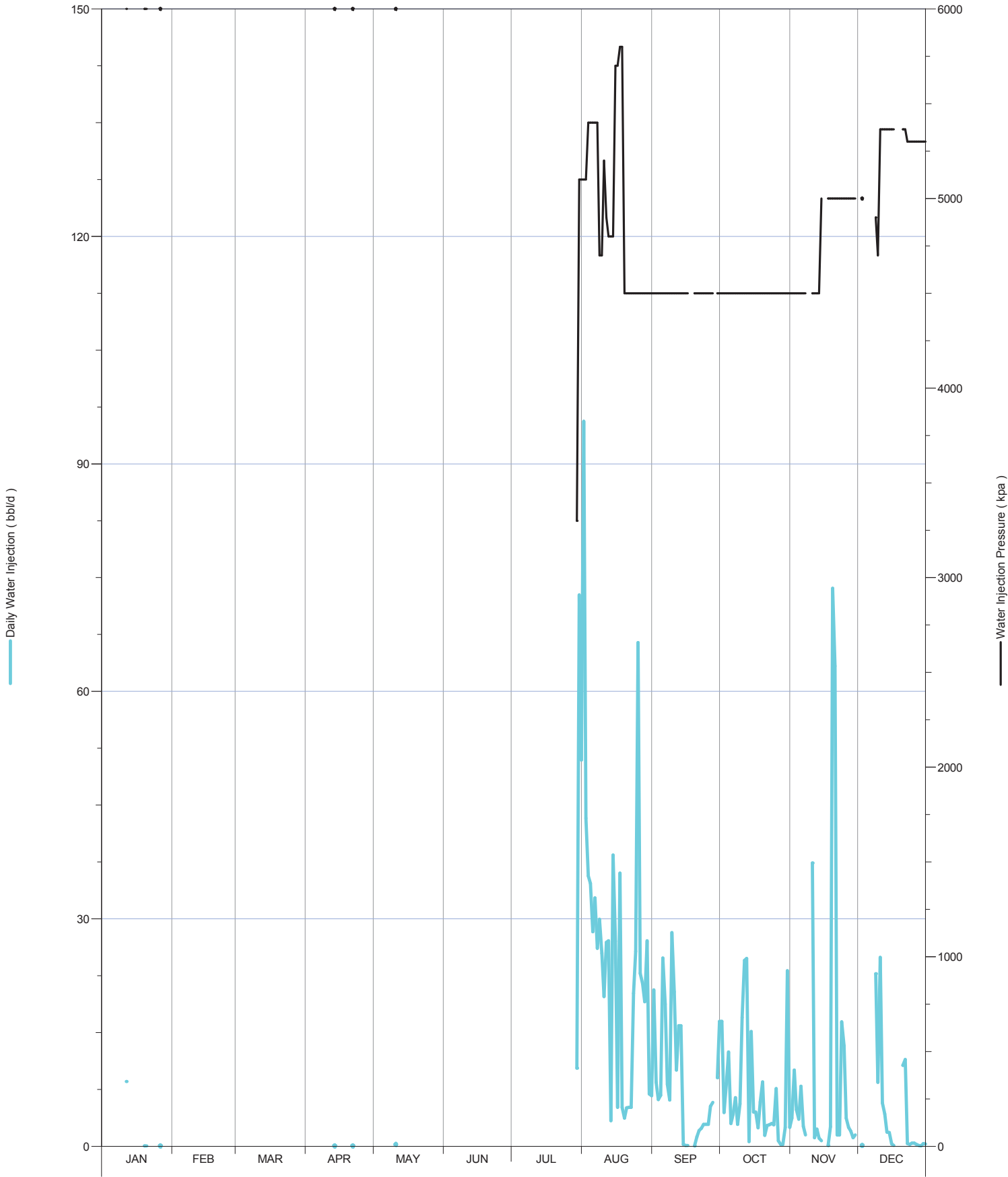
Daily Injection Rate and Pressure for: 00/12-17-002-29W1/0



Daily Injection Rate and Pressure for: 00/13-09-002-29W1/0

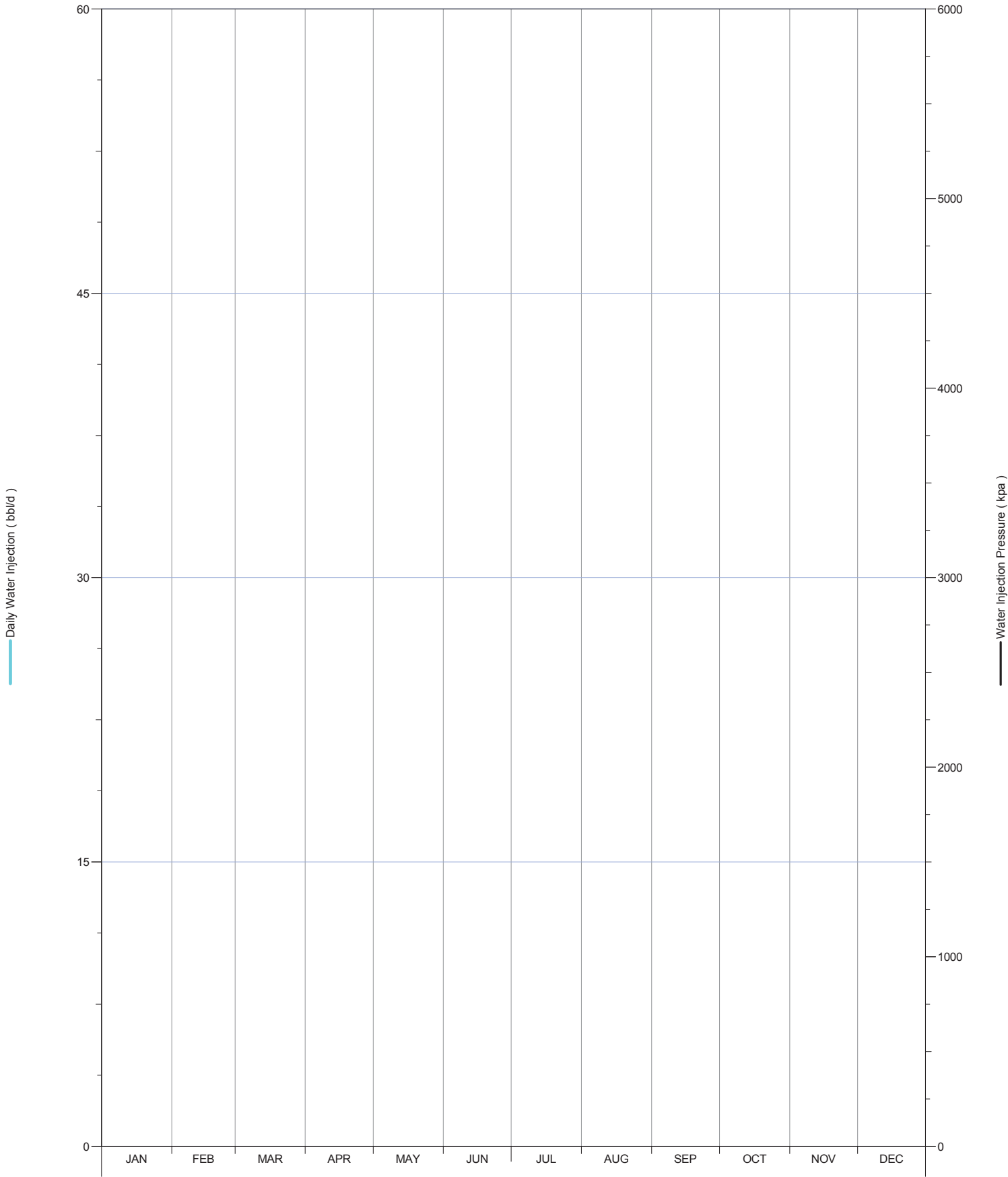


Daily Injection Rate and Pressure for: 00/14-04-002-29W1/0

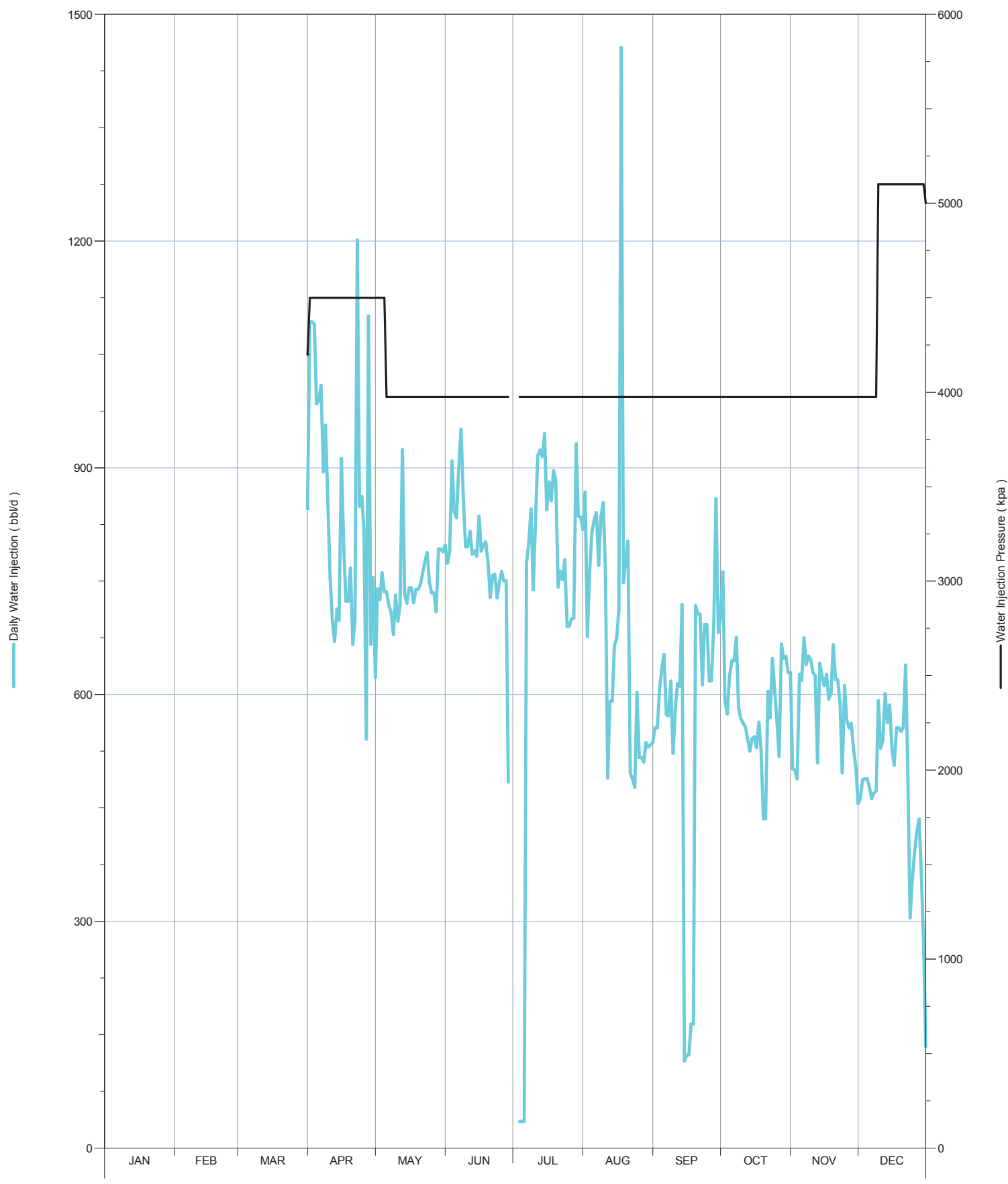




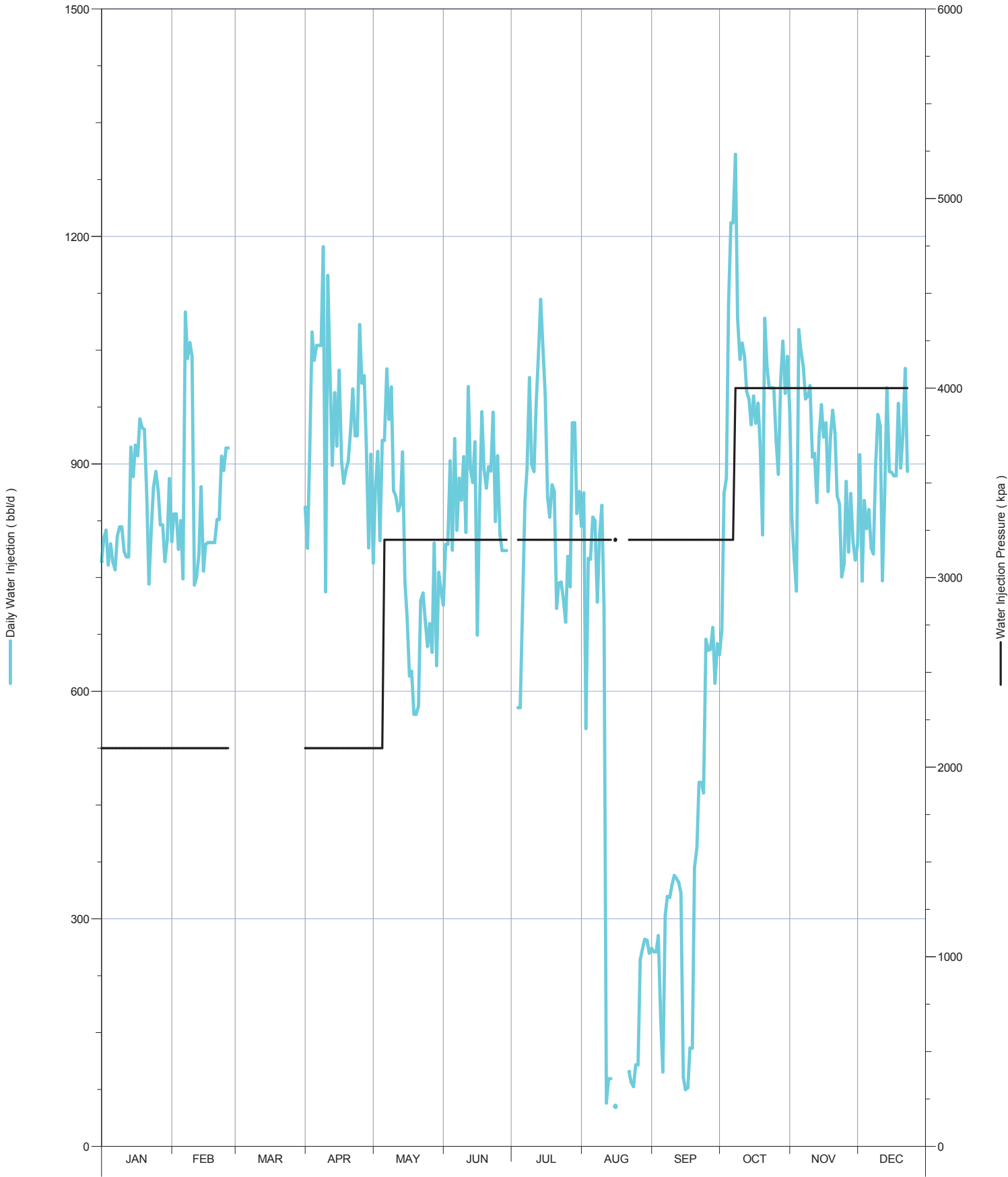
Daily Injection Rate and Pressure for: 00/14-08-002-29W1/0



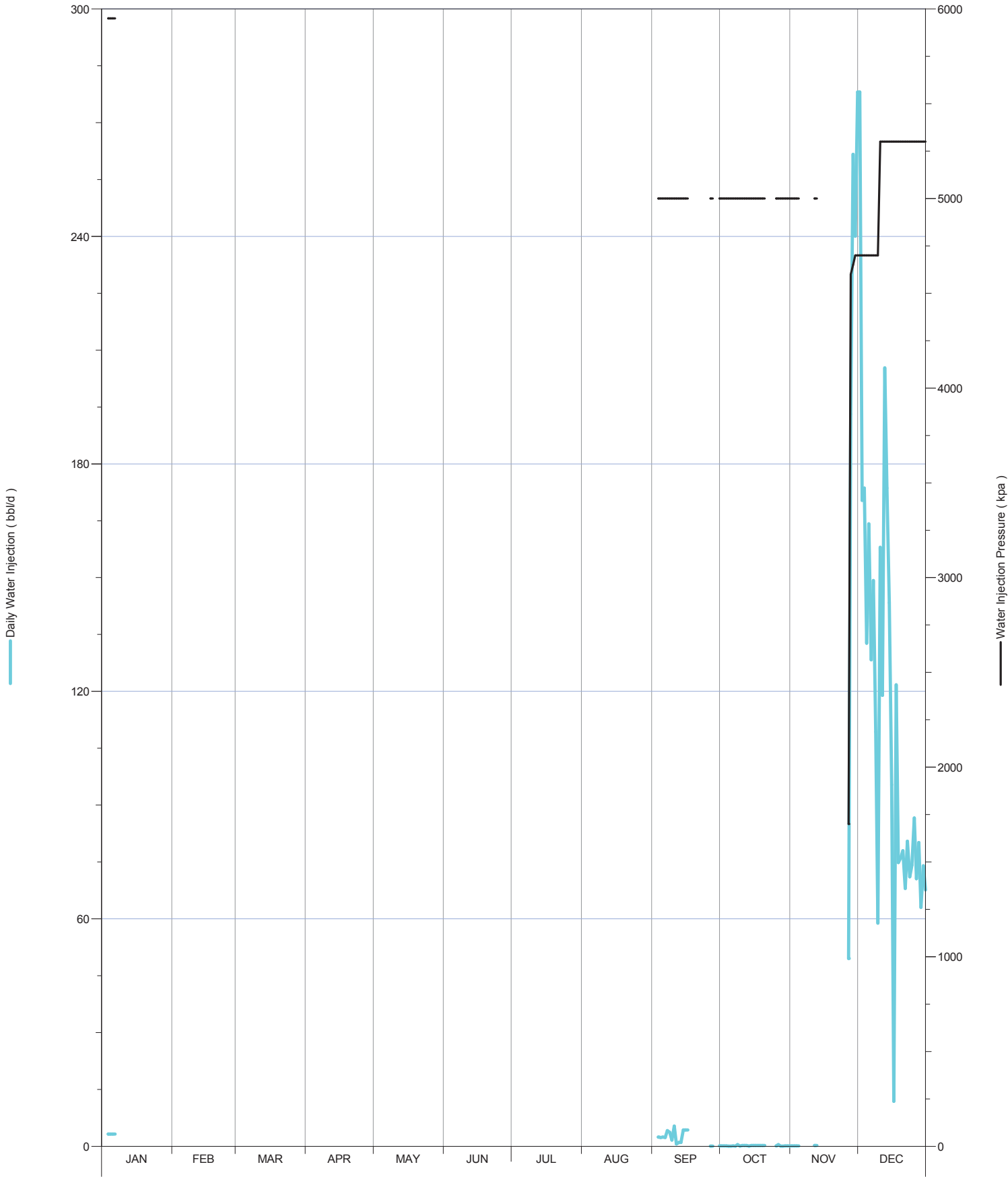
Daily Injection Rate and Pressure for: 00/14-09-002-29W1/0



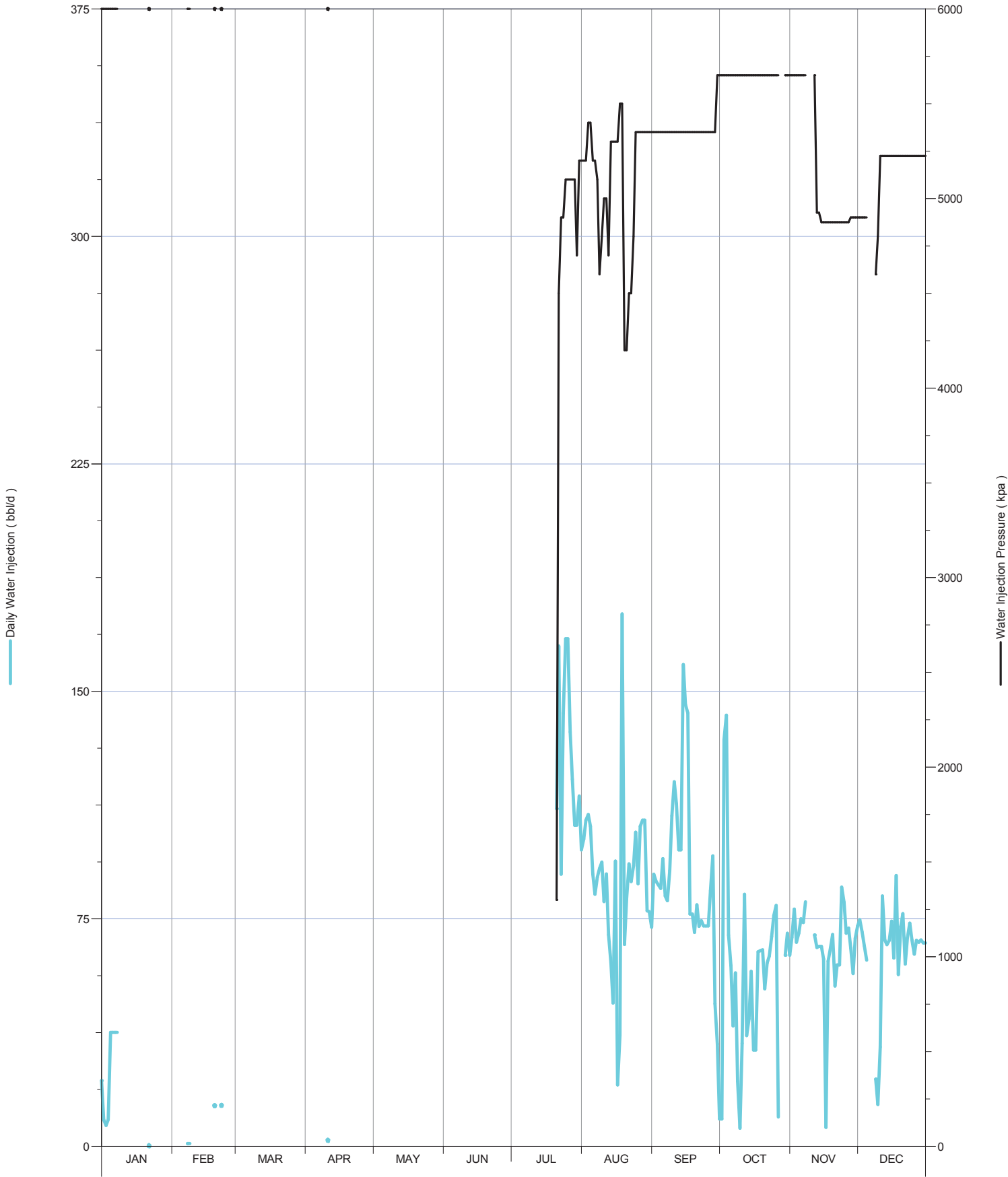
Daily Injection Rate and Pressure for: 00/14-17-002-29W1/0



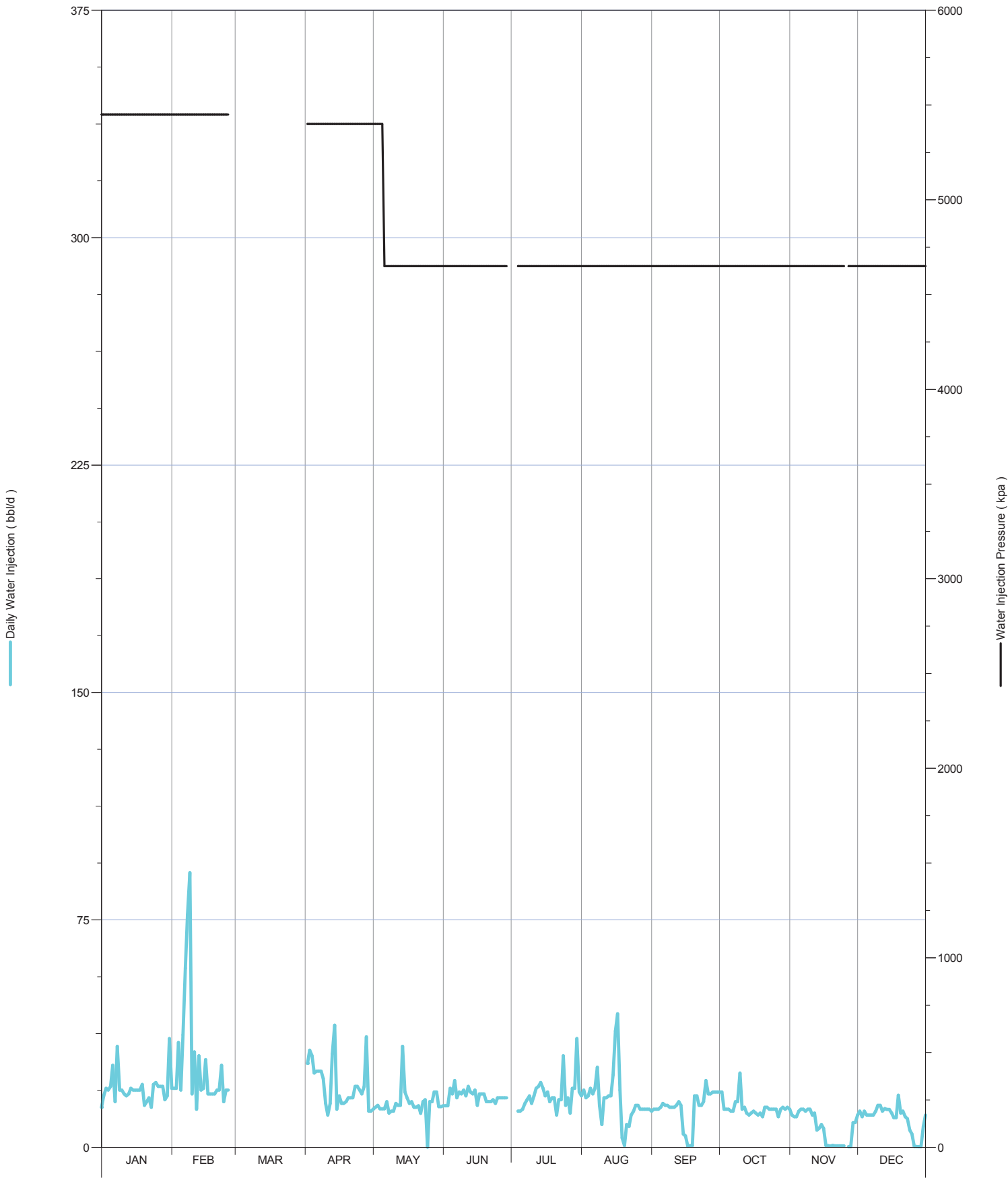
Daily Injection Rate and Pressure for: 00/16-04-002-29W1/0



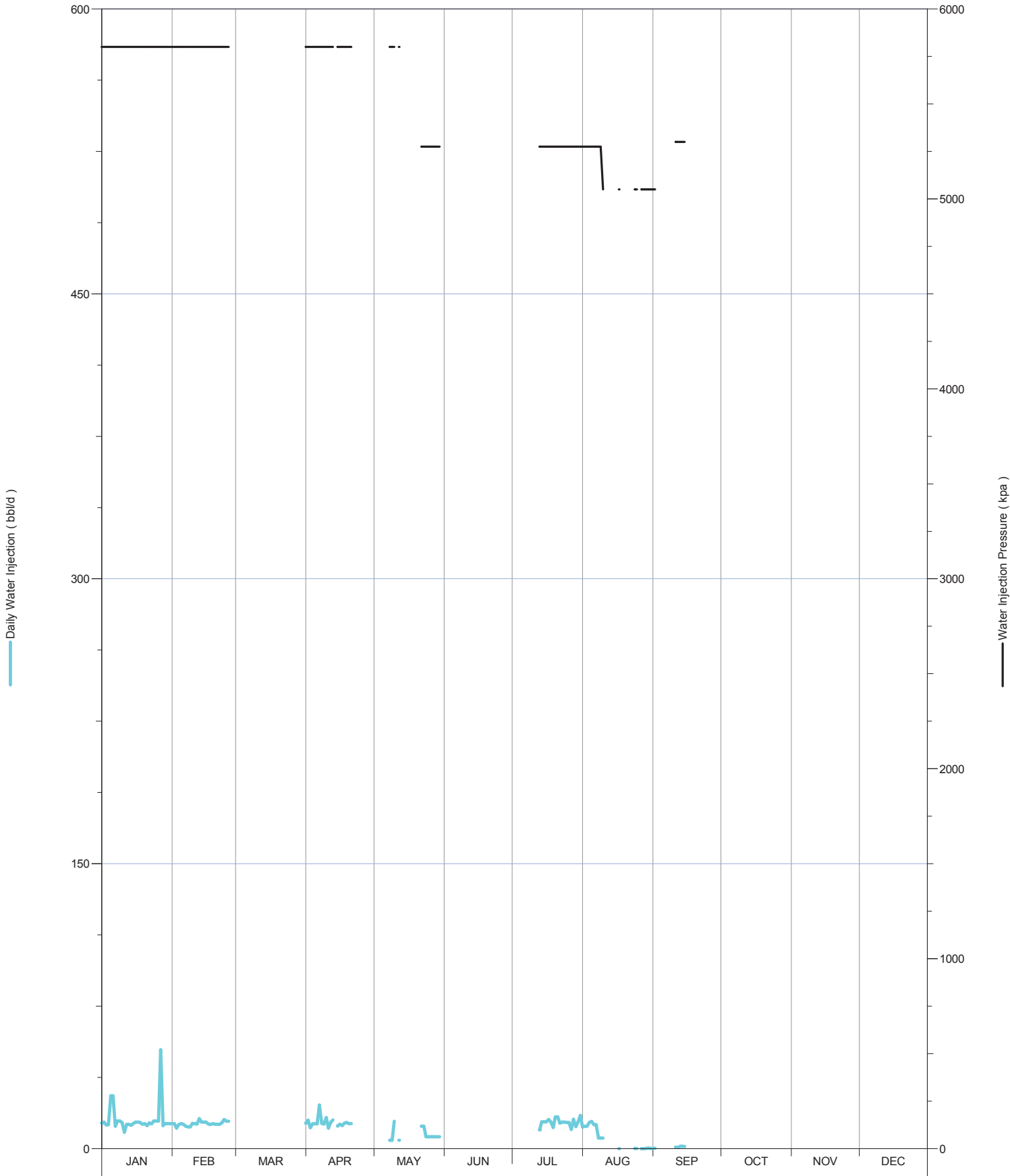
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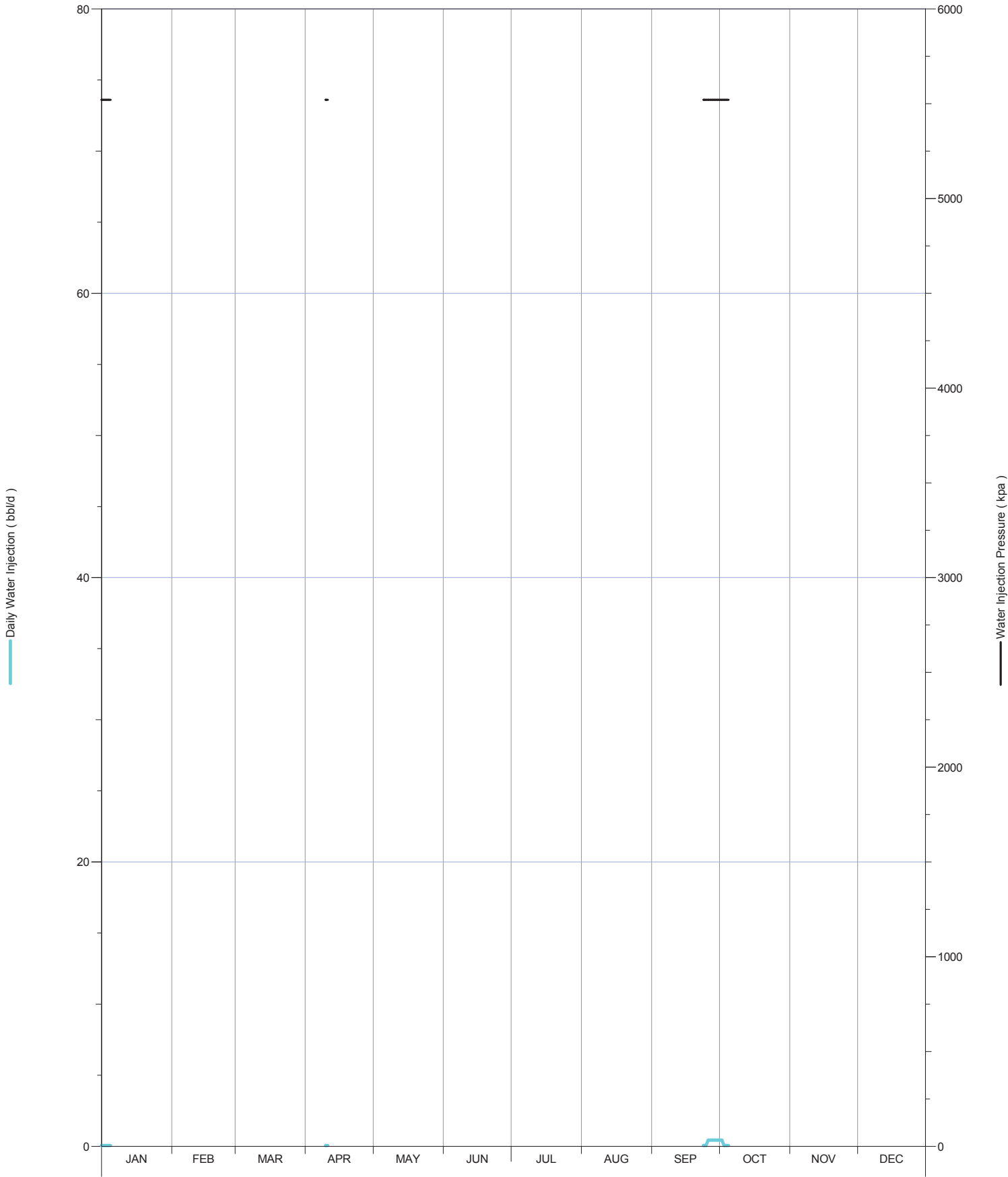
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Daily Injection Rate and Pressure for: 00/16-09-002-29W1/0

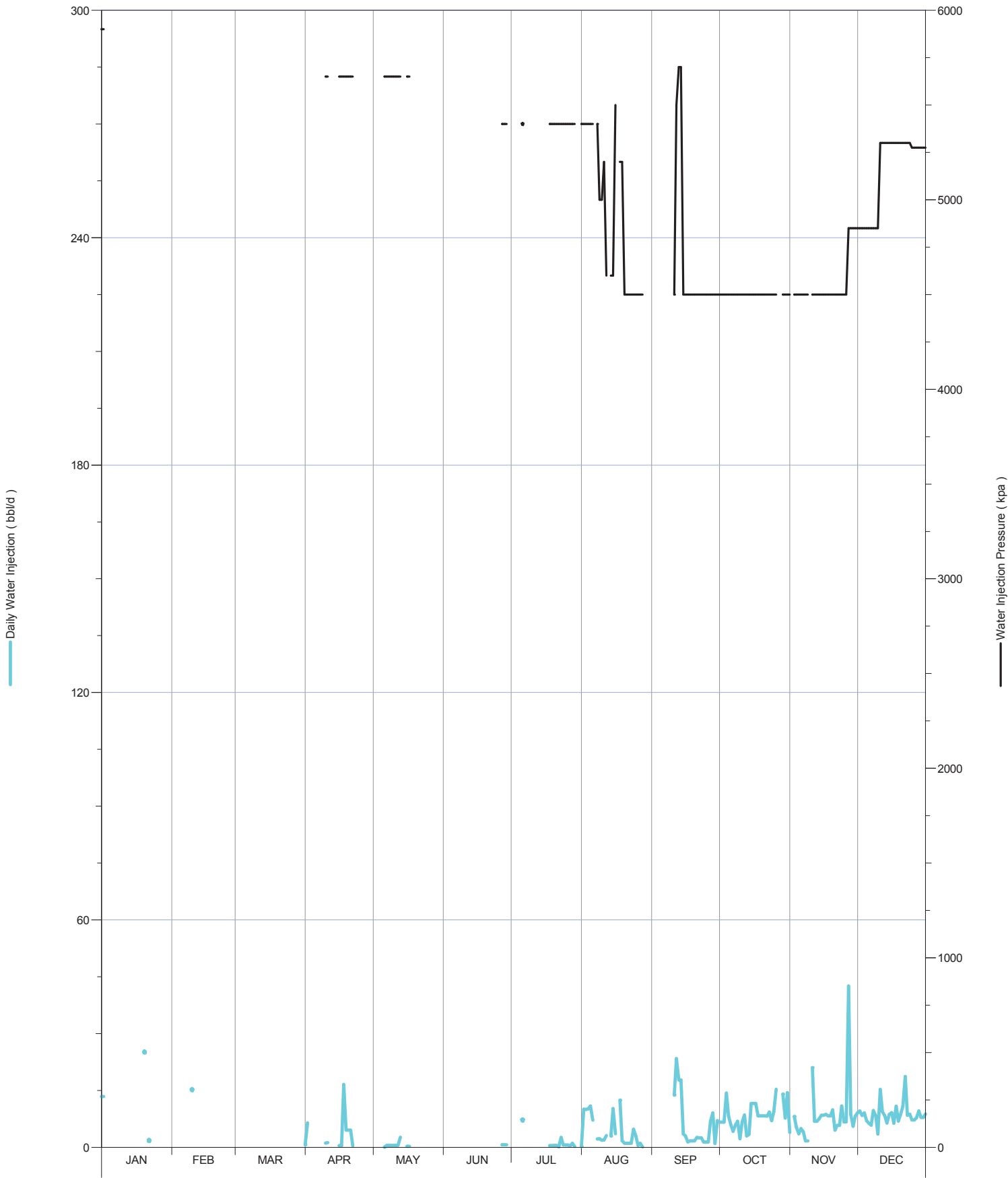


Daily Injection Rate and Pressure for: 00/16-18-002-29W1/0

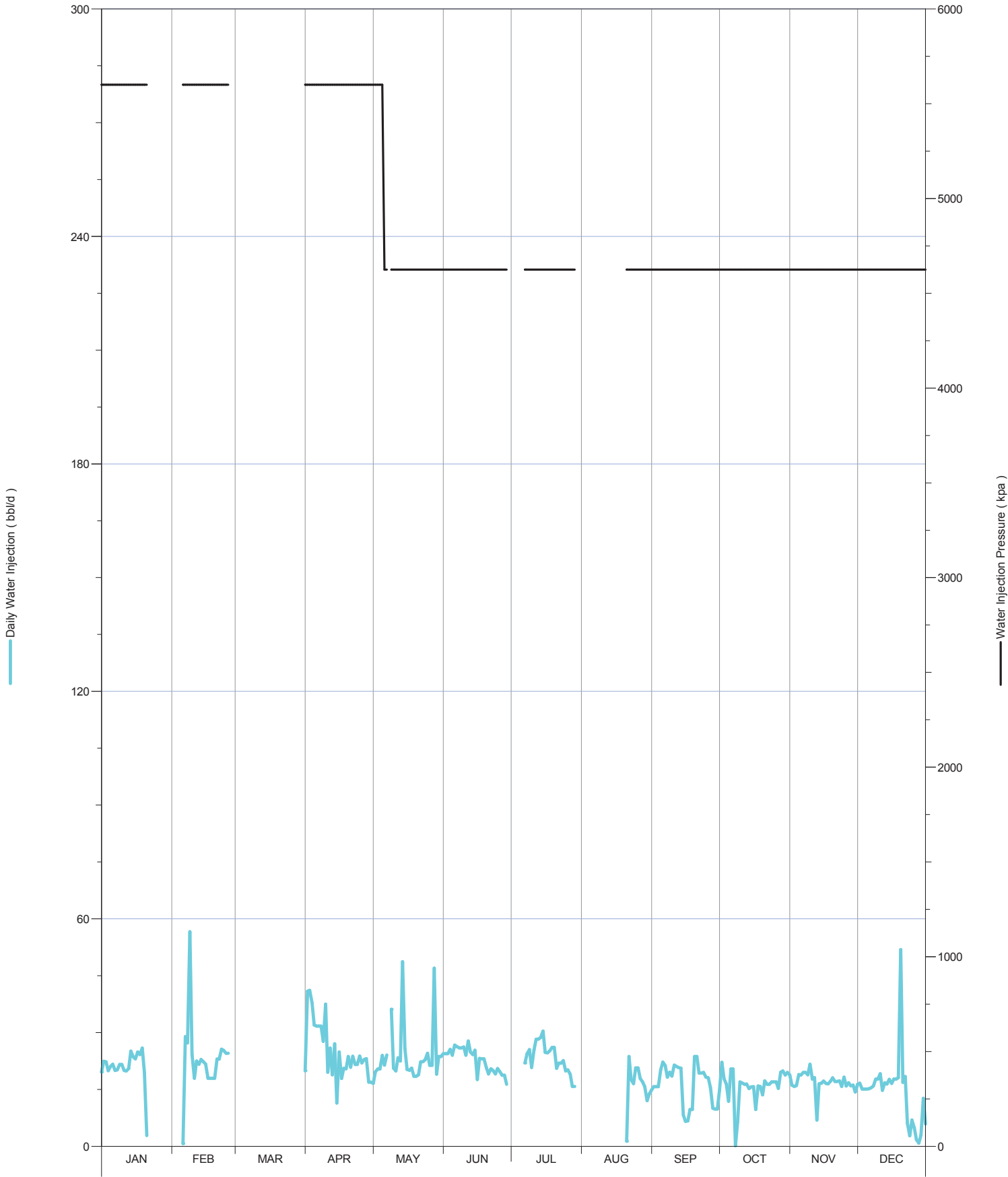




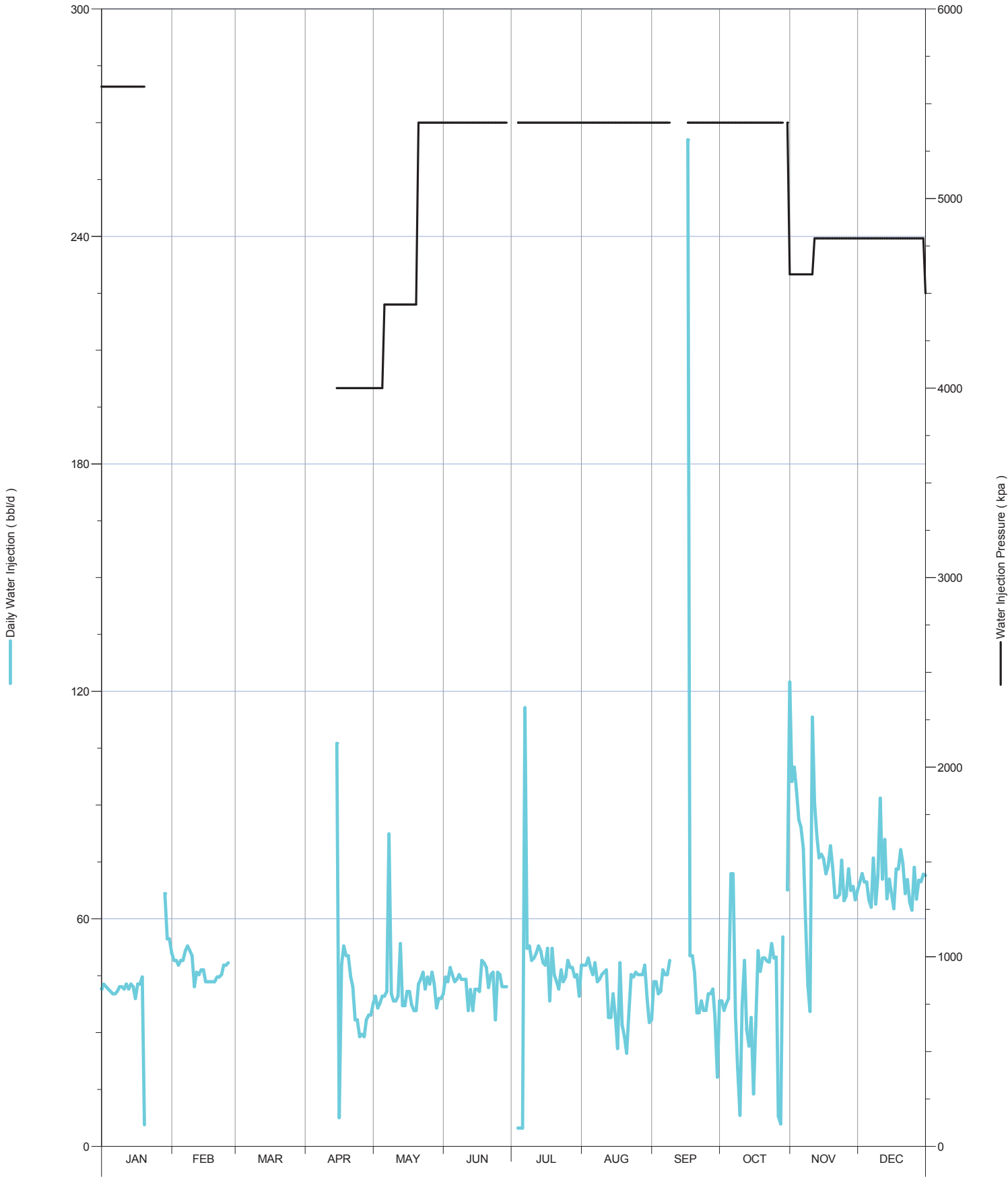
Daily Injection Rate and Pressure for: 02/08-09-002-29W1/0



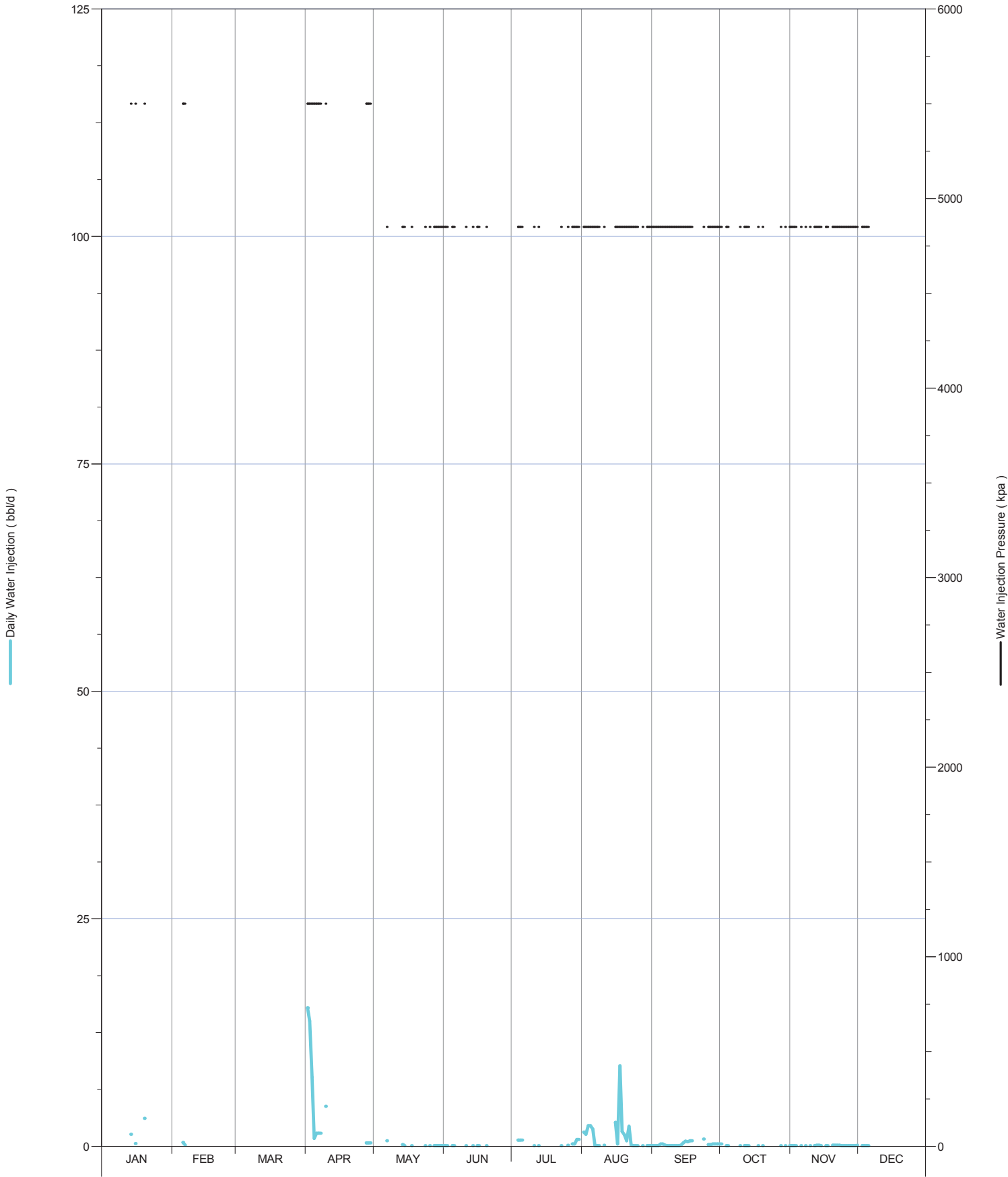
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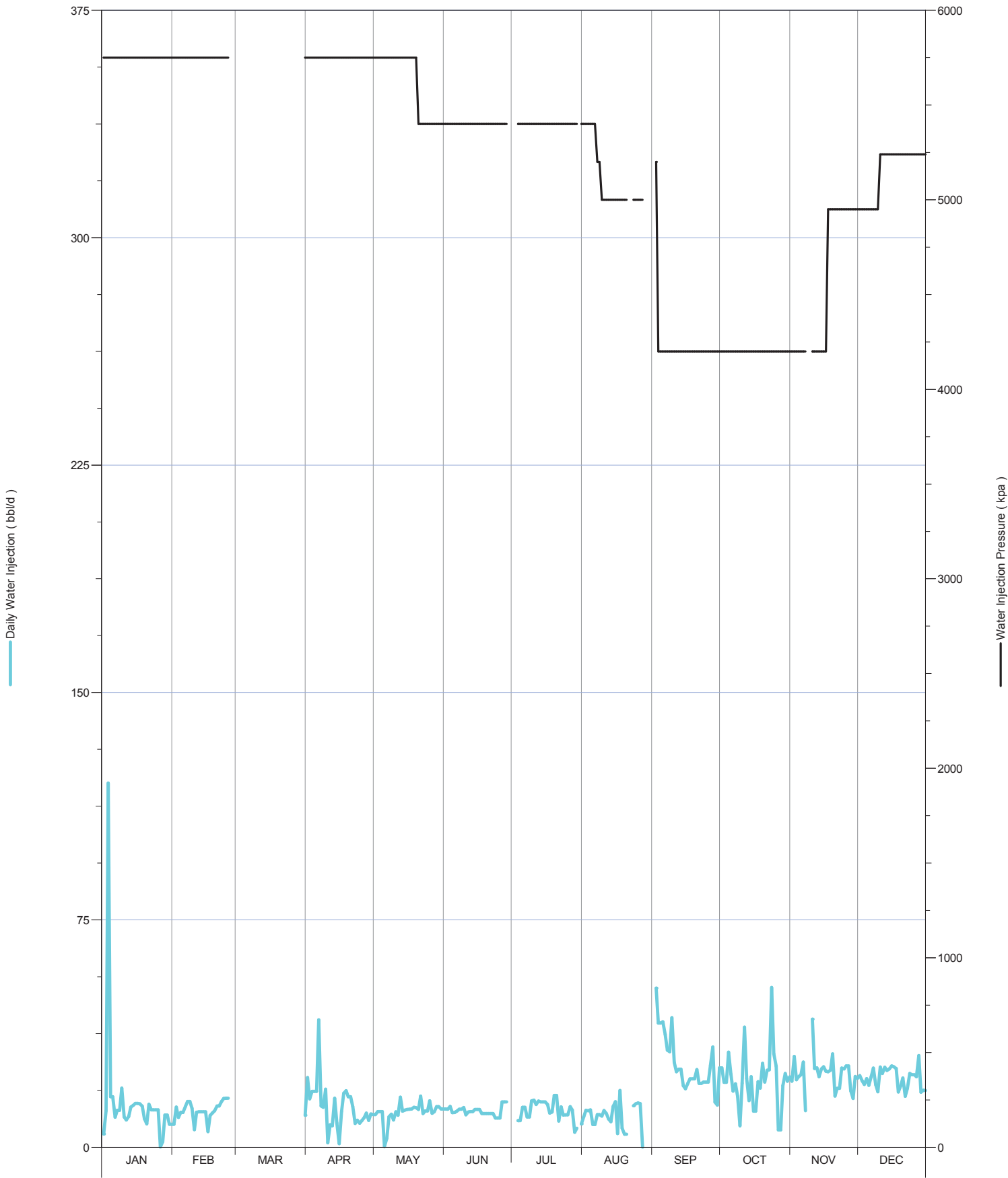
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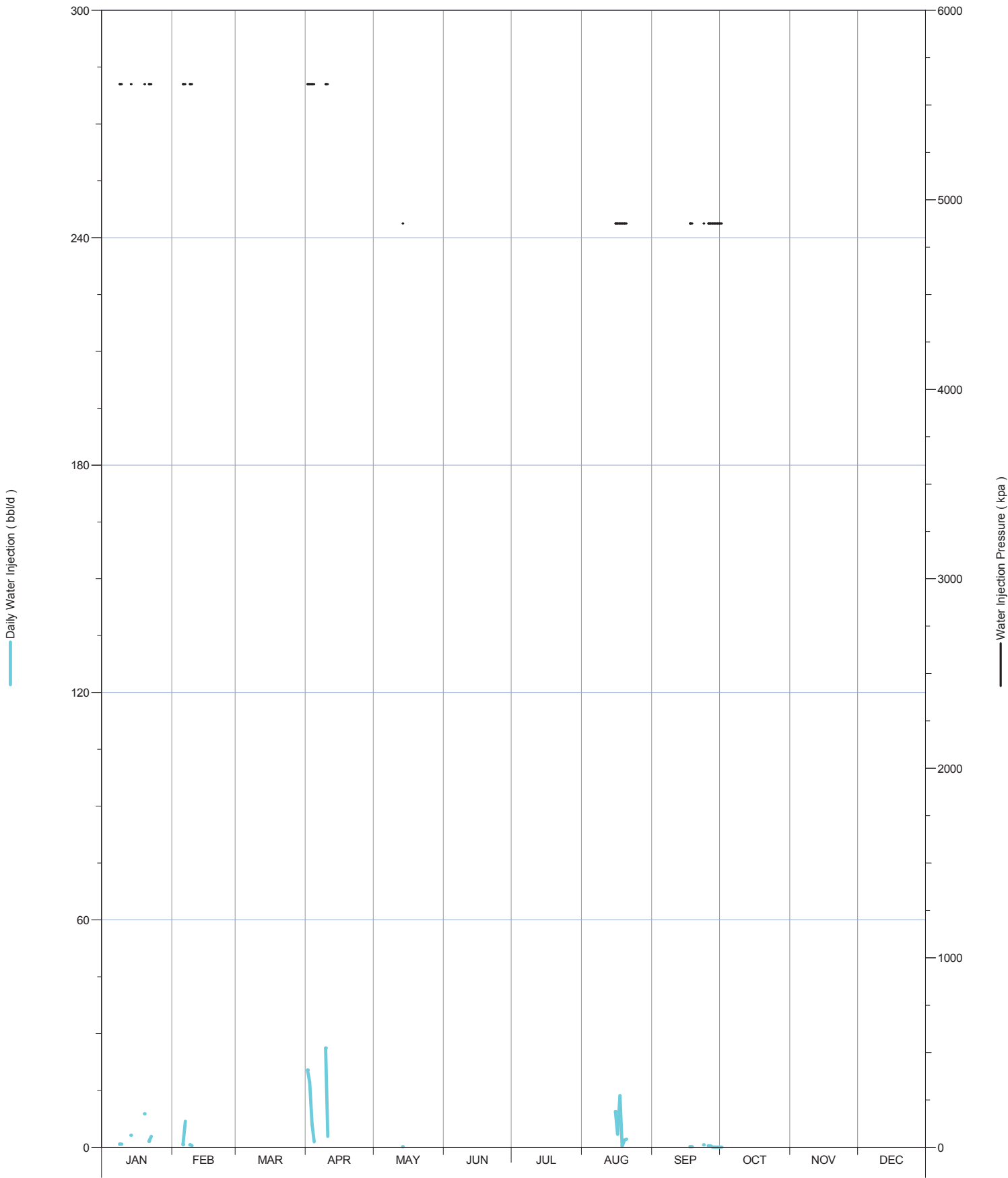
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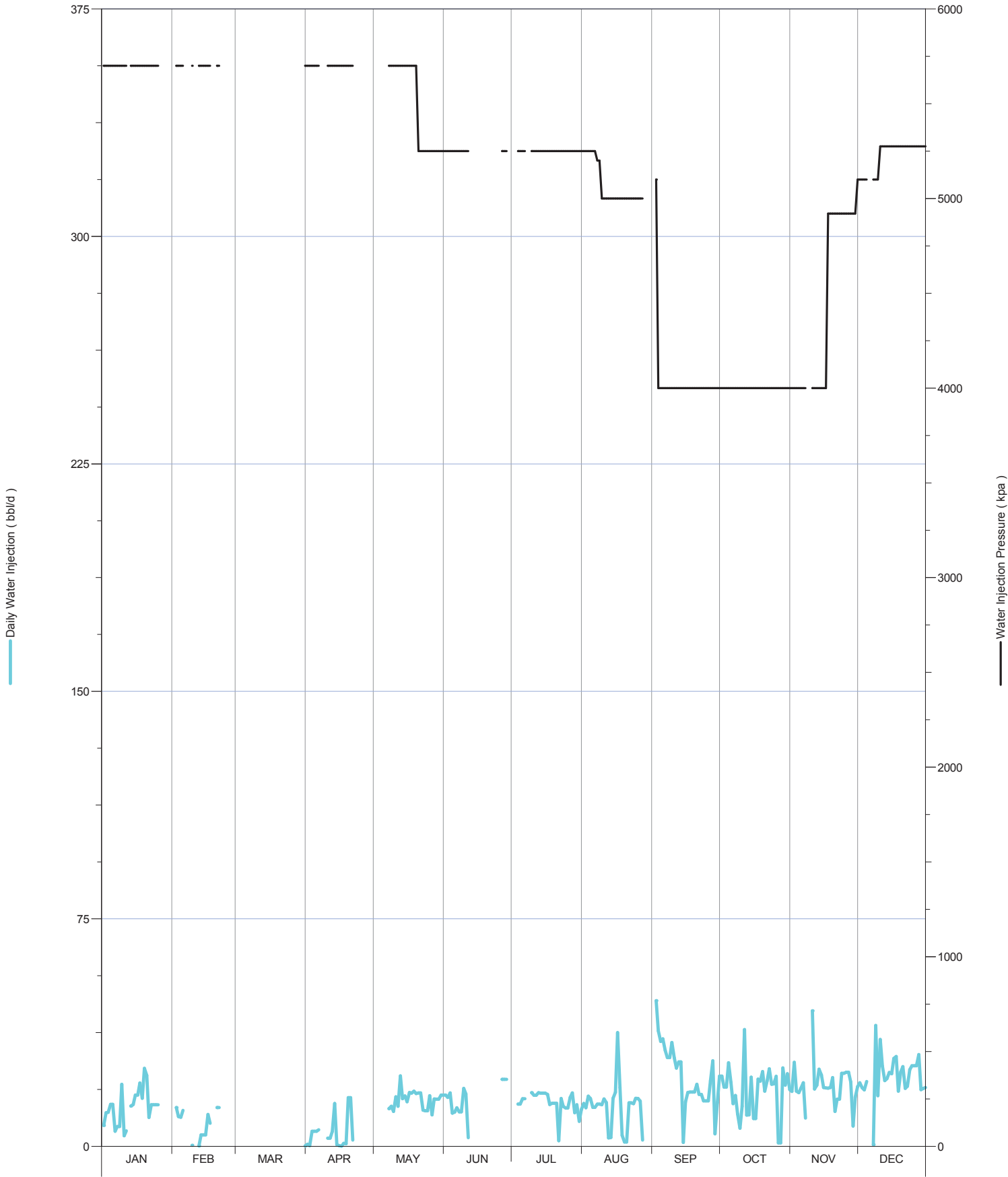
Daily Injection Rate and Pressure for: 02/16-09-002-29W1/0



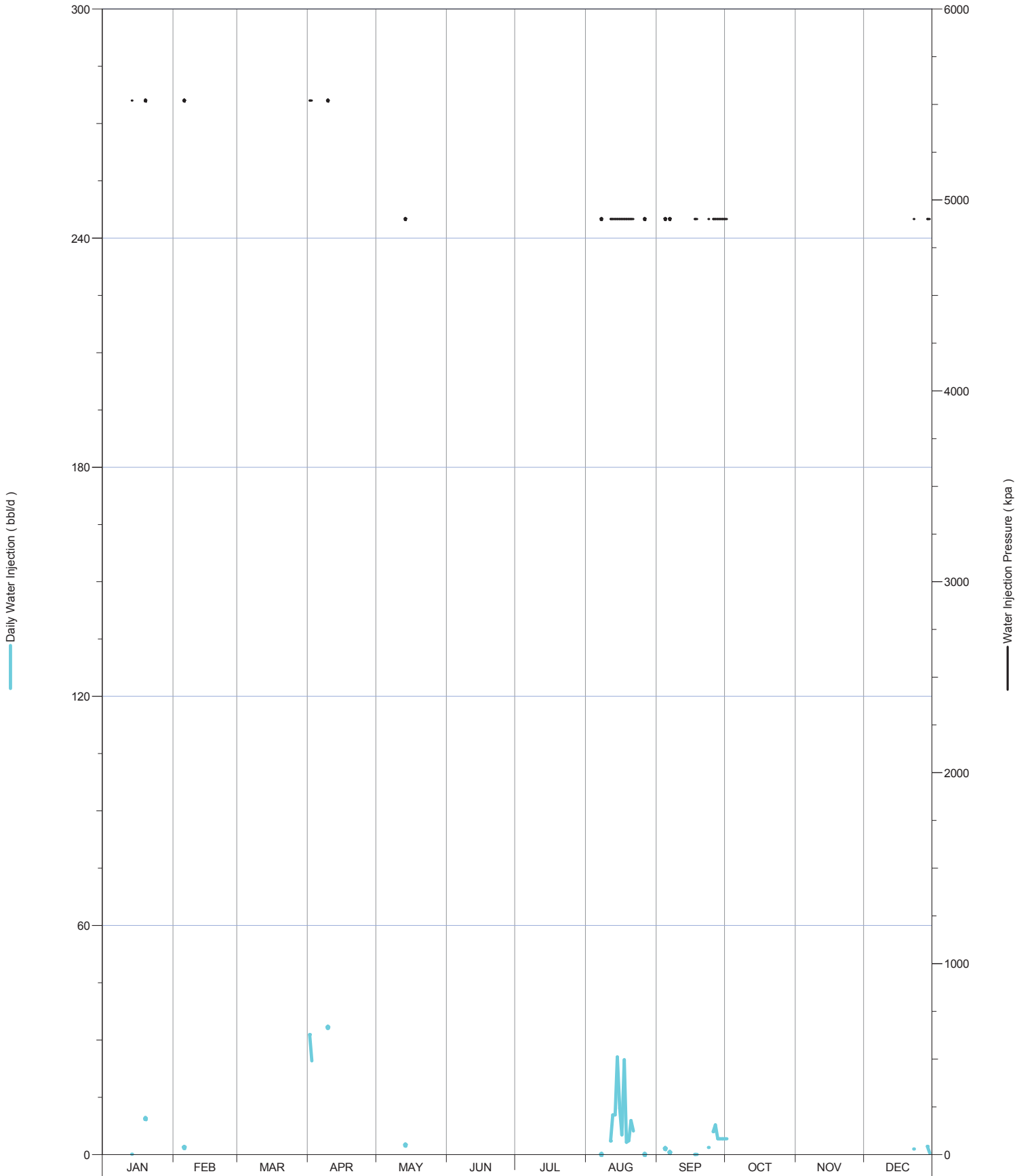
Daily Injection Rate and Pressure for: 03/15-16-002-29W1/0



Daily Injection Rate and Pressure for: 03/16-09-002-29W1/0

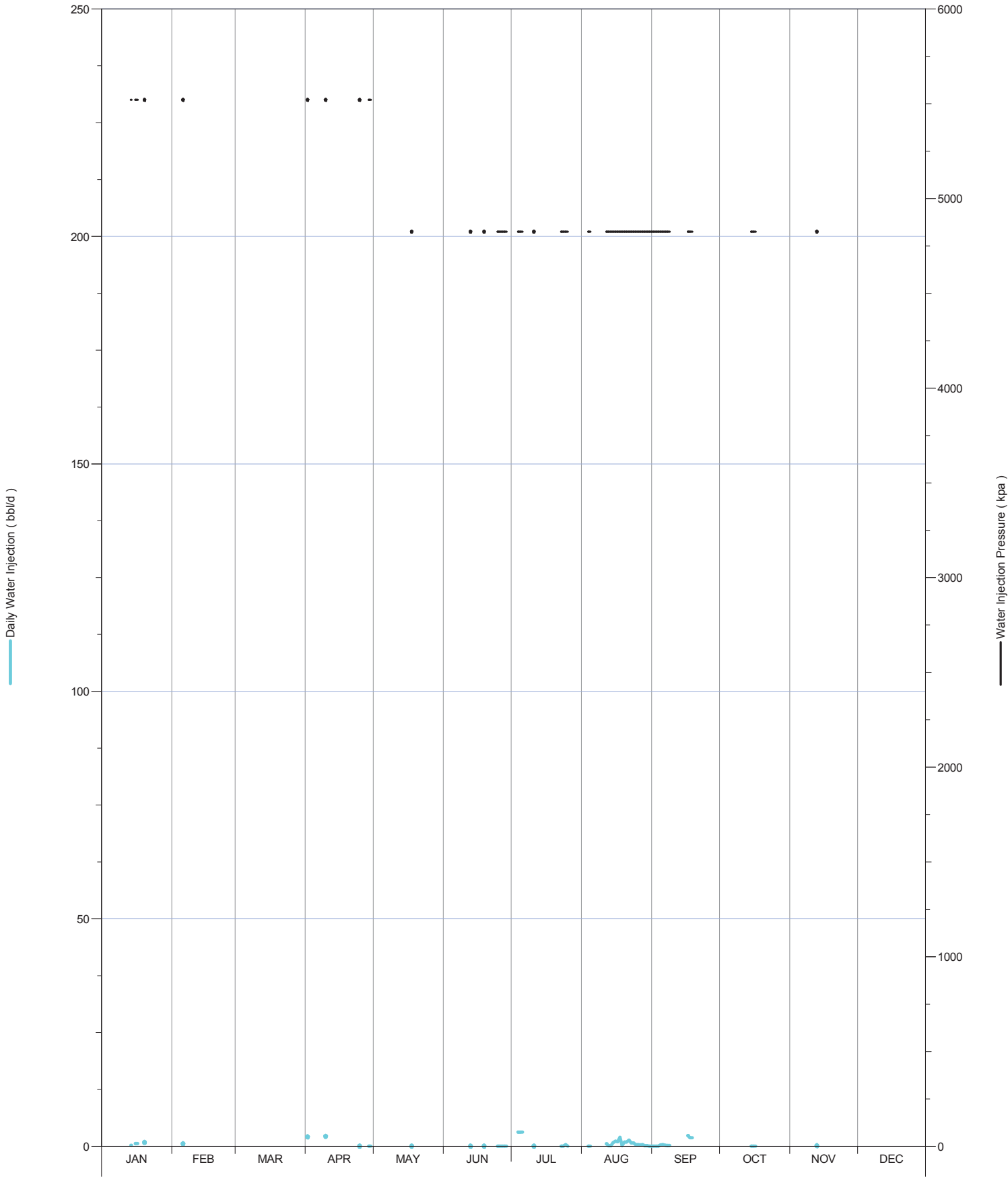


Daily Injection Rate and Pressure for: B0/02-17-002-29W1/0

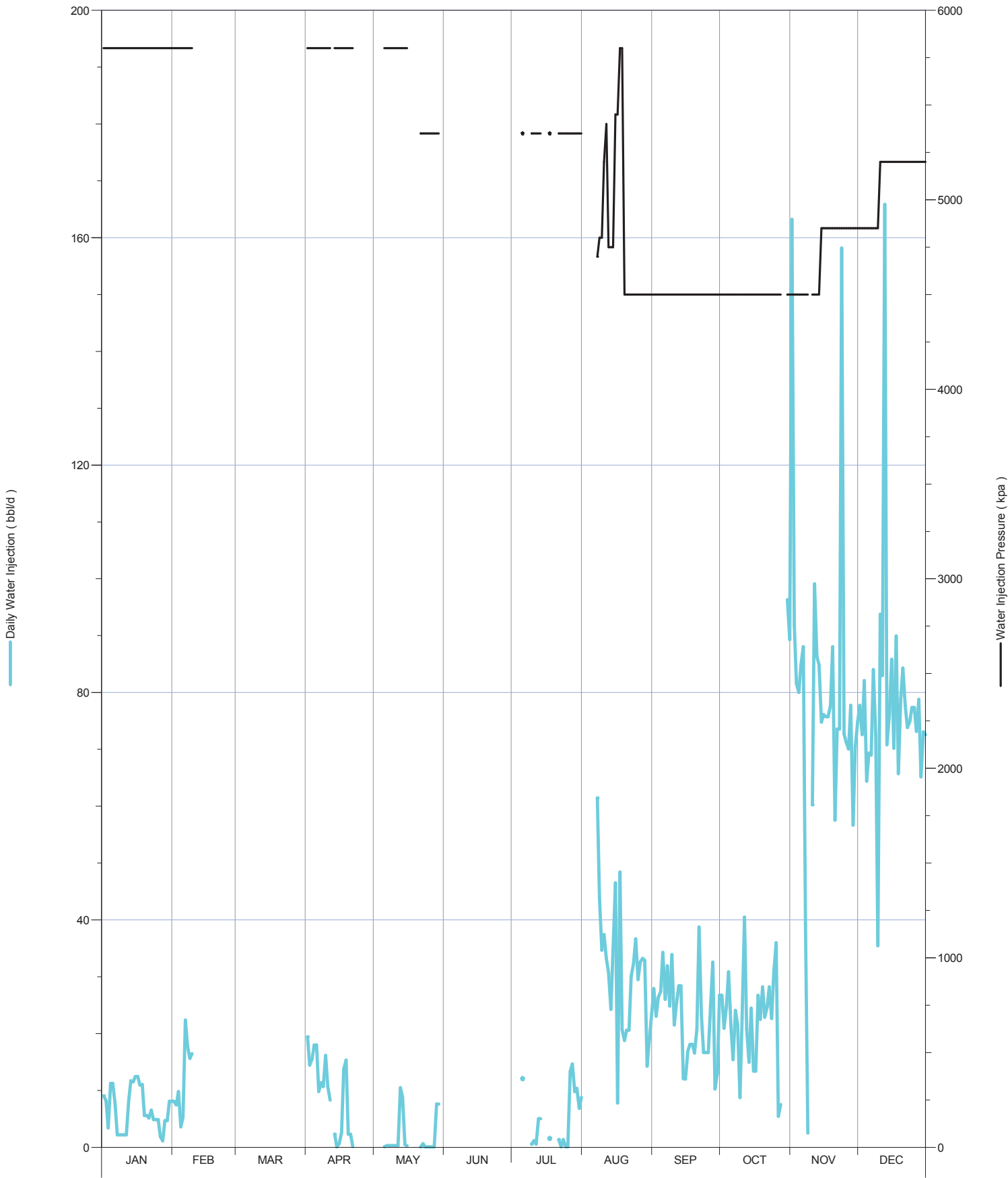




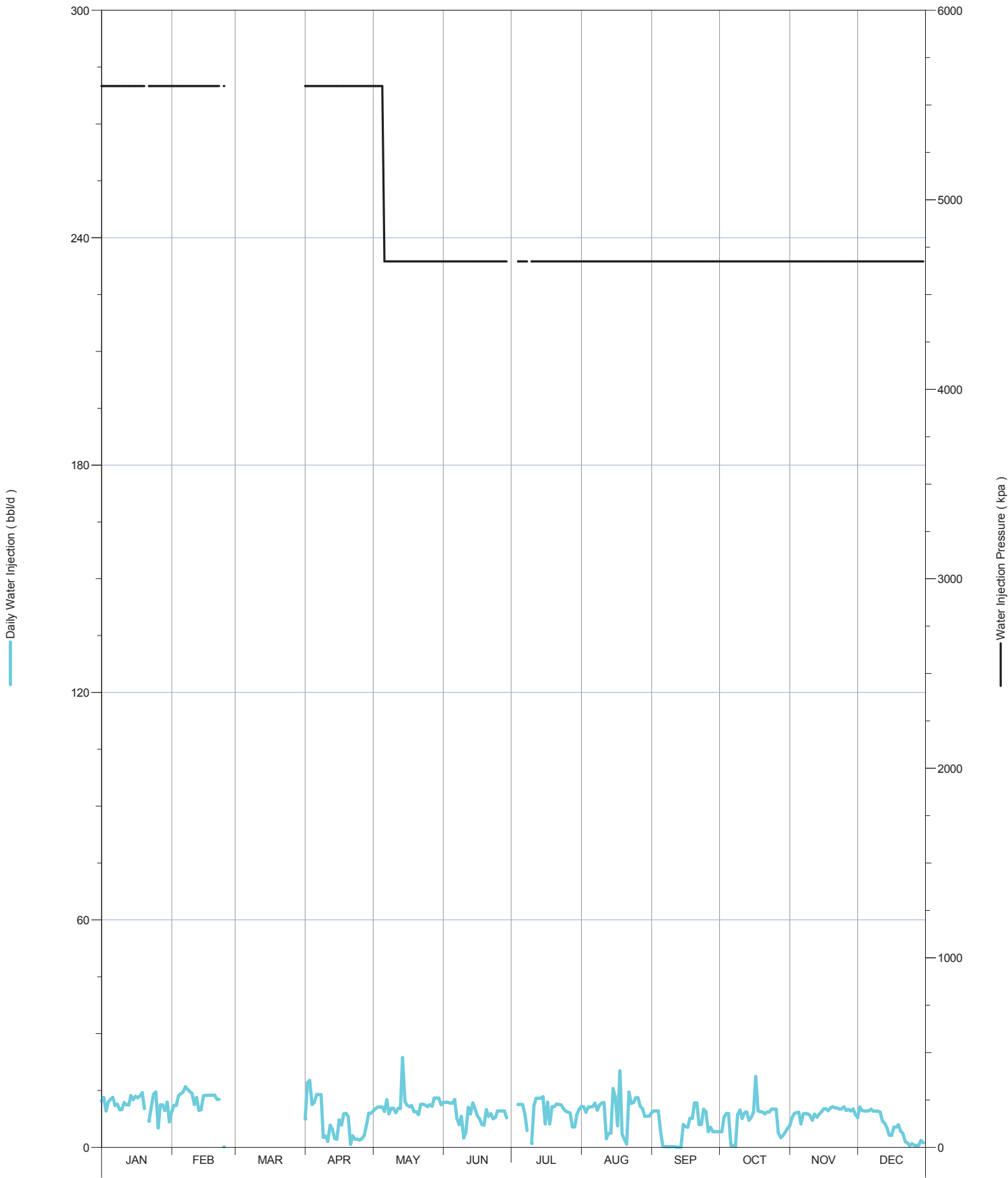
Daily Injection Rate and Pressure for: B0/04-16-002-29W1/0



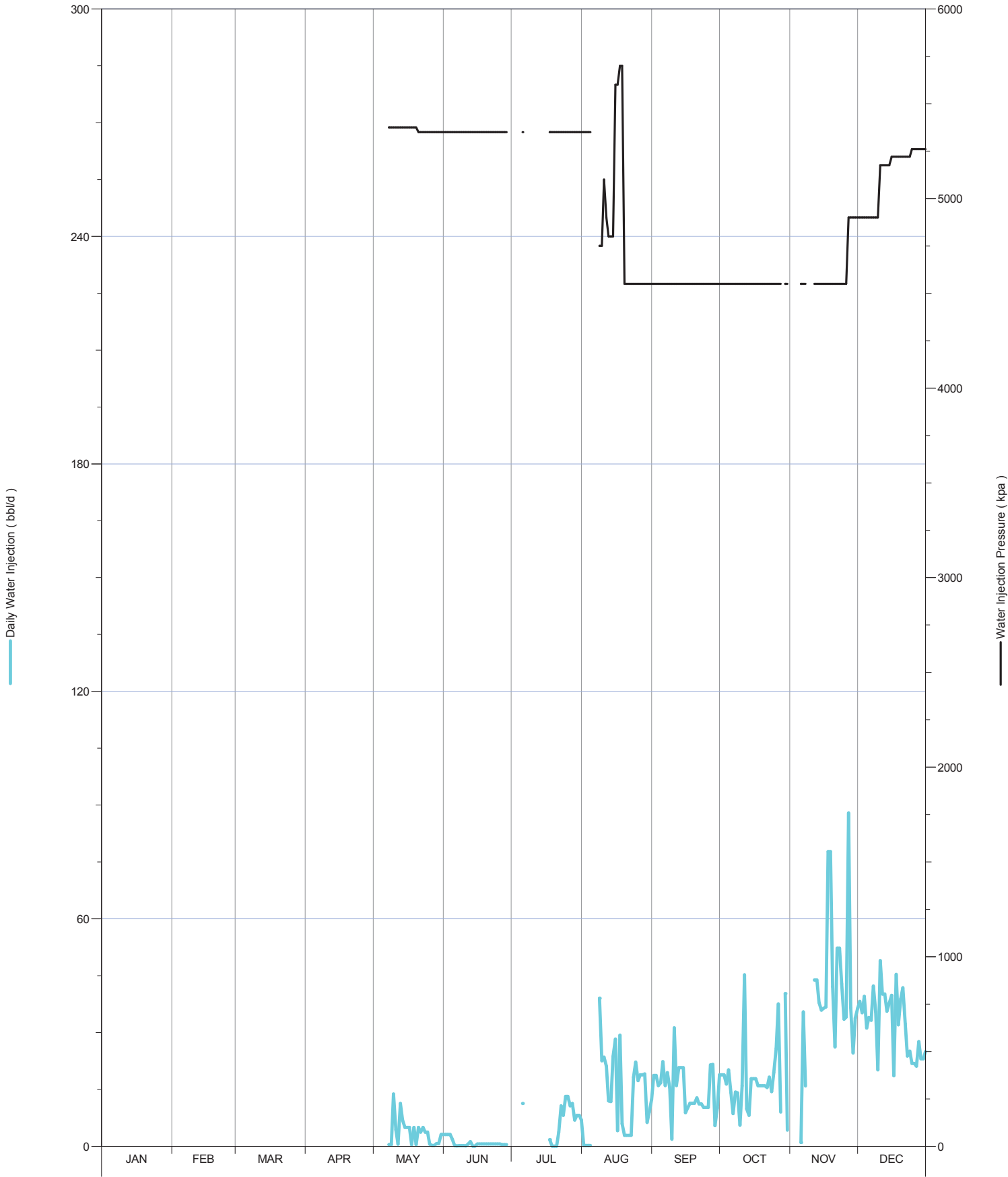
Daily Injection Rate and Pressure for: B0/06-09-002-29W1/0



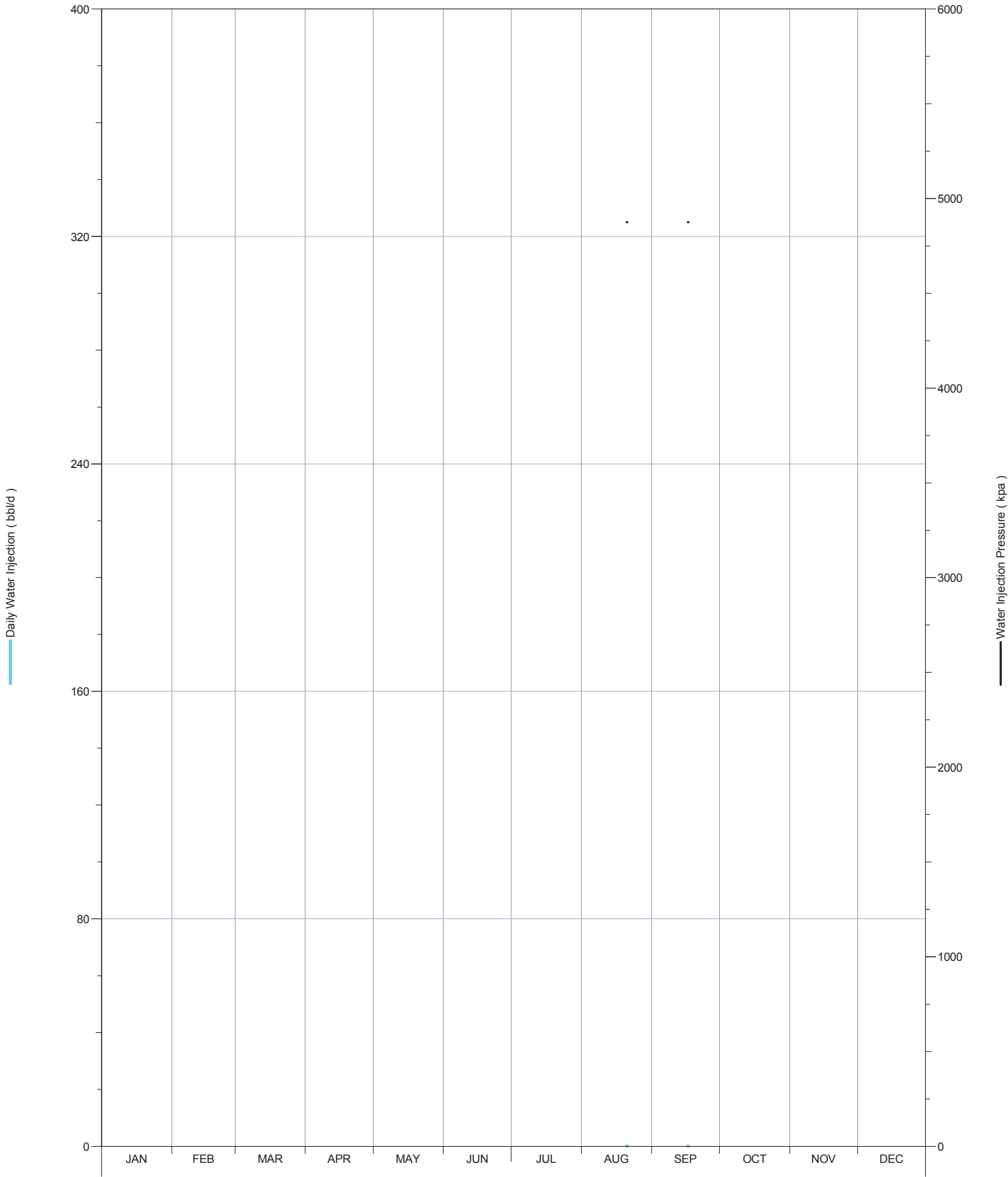
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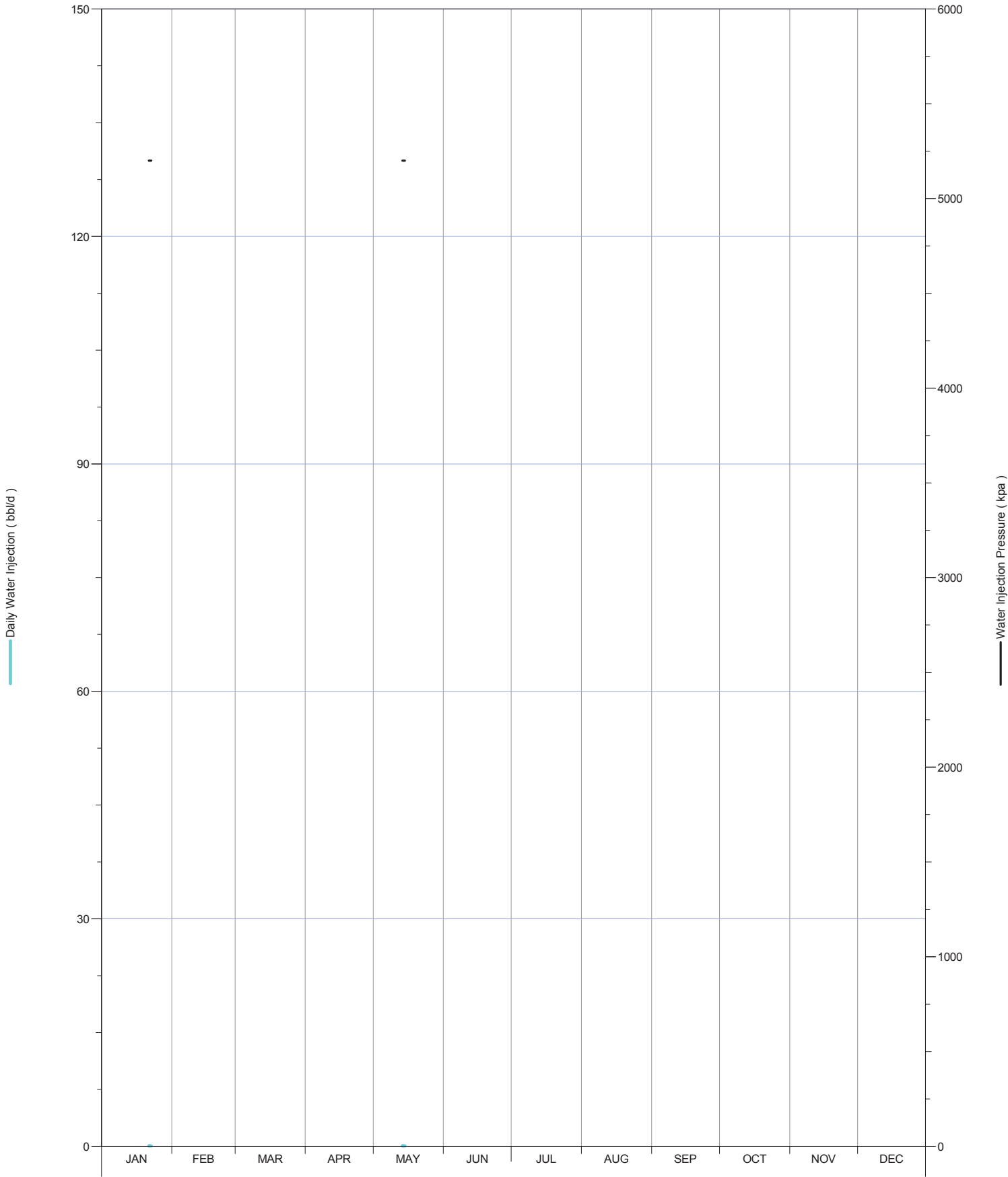
Daily Injection Rate and Pressure for: B0/08-09-002-29W1/0



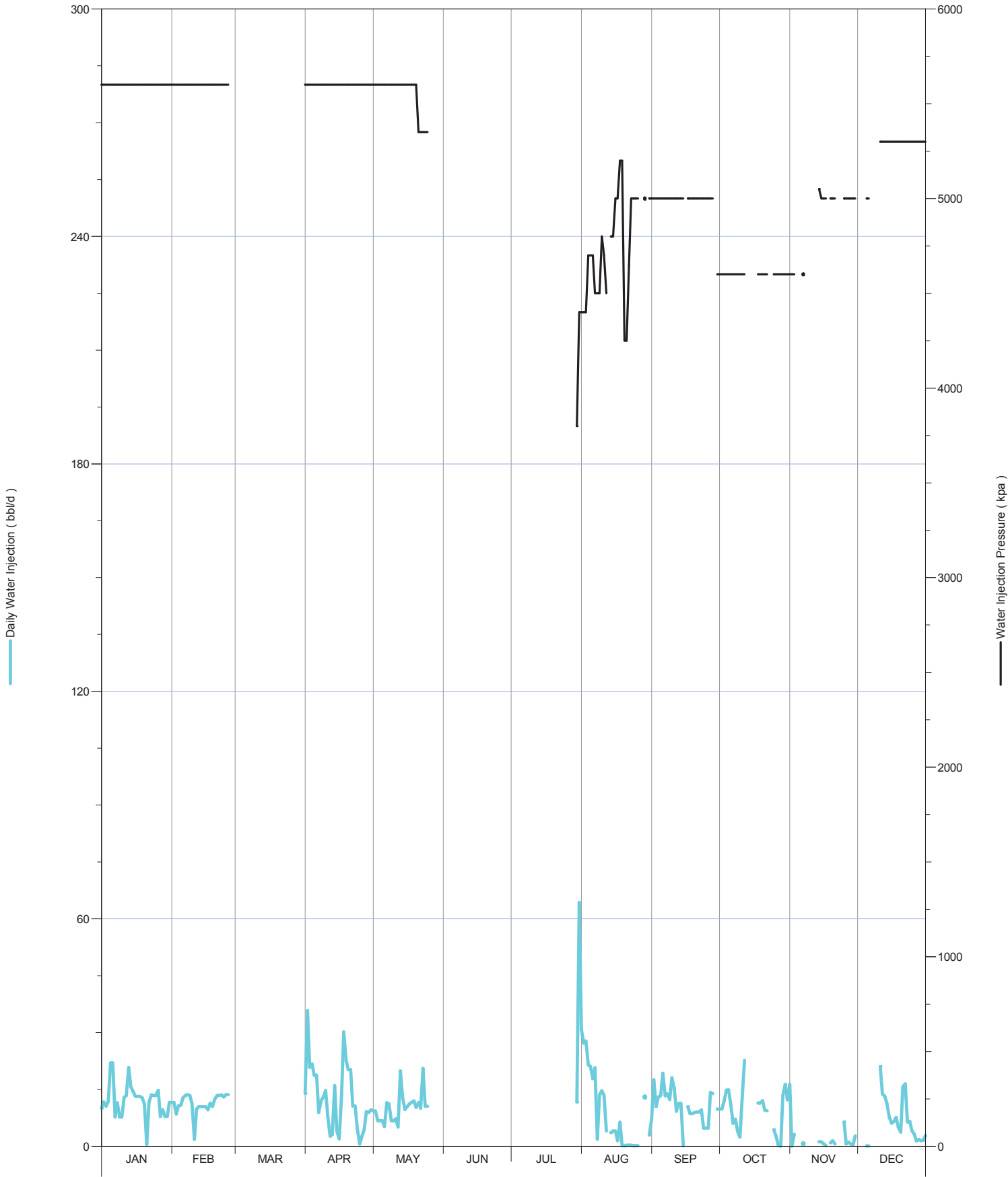
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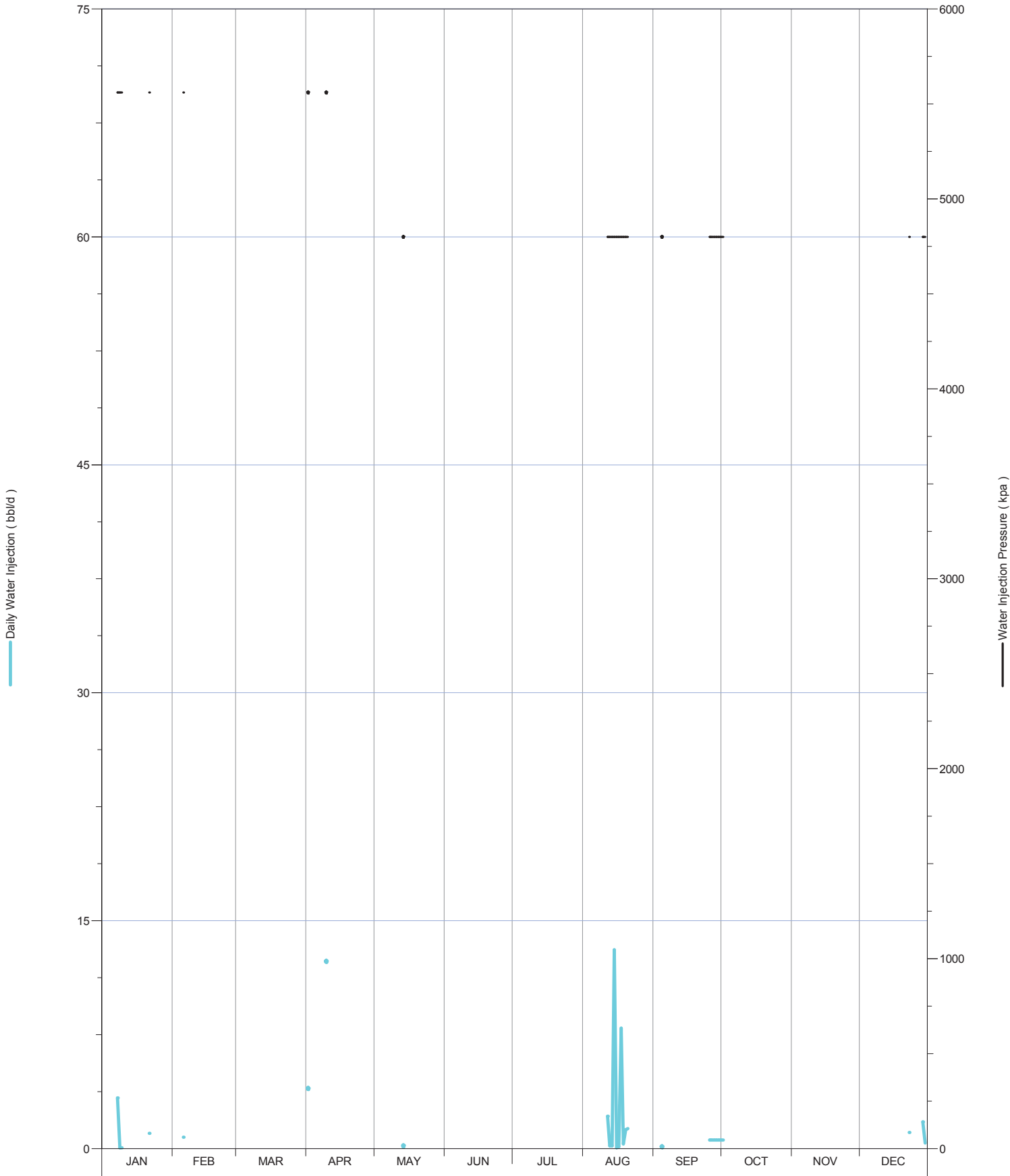
Daily Injection Rate and Pressure for: B0/12-17-002-29W1/0



Daily Injection Rate and Pressure for: B0/14-04-002-29W1/0

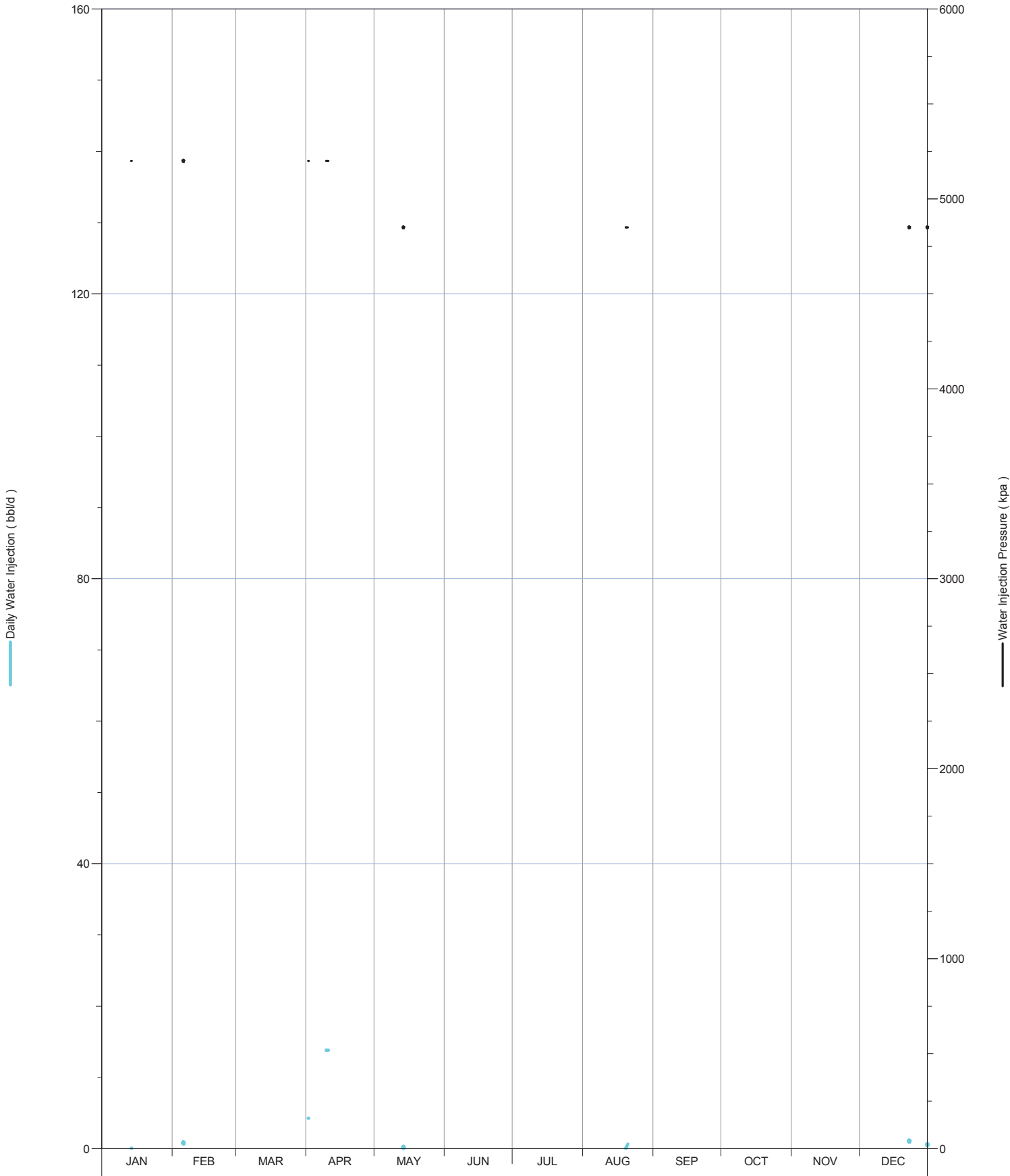


Daily Injection Rate and Pressure for: B0/14-08-002-29W1/0

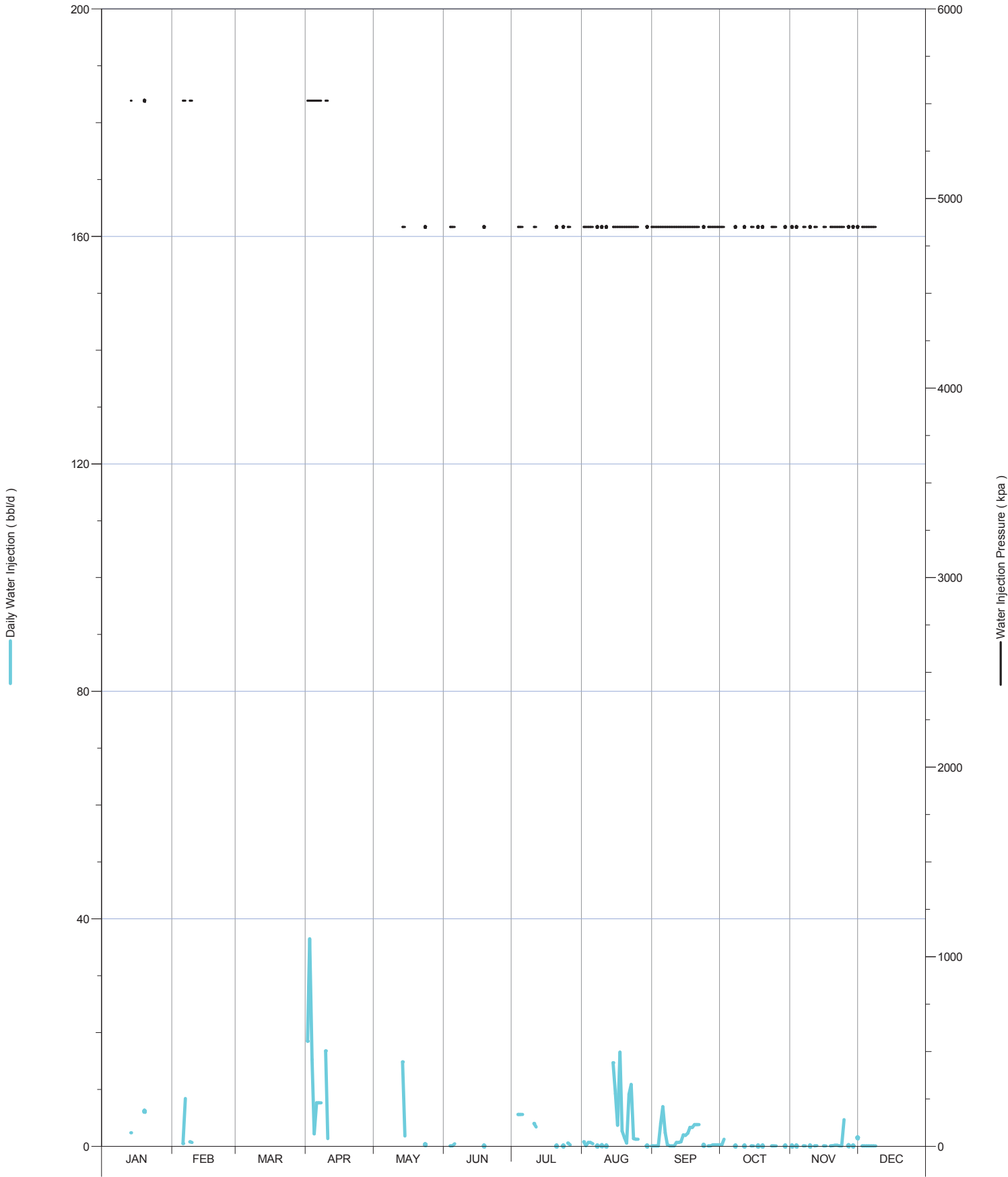




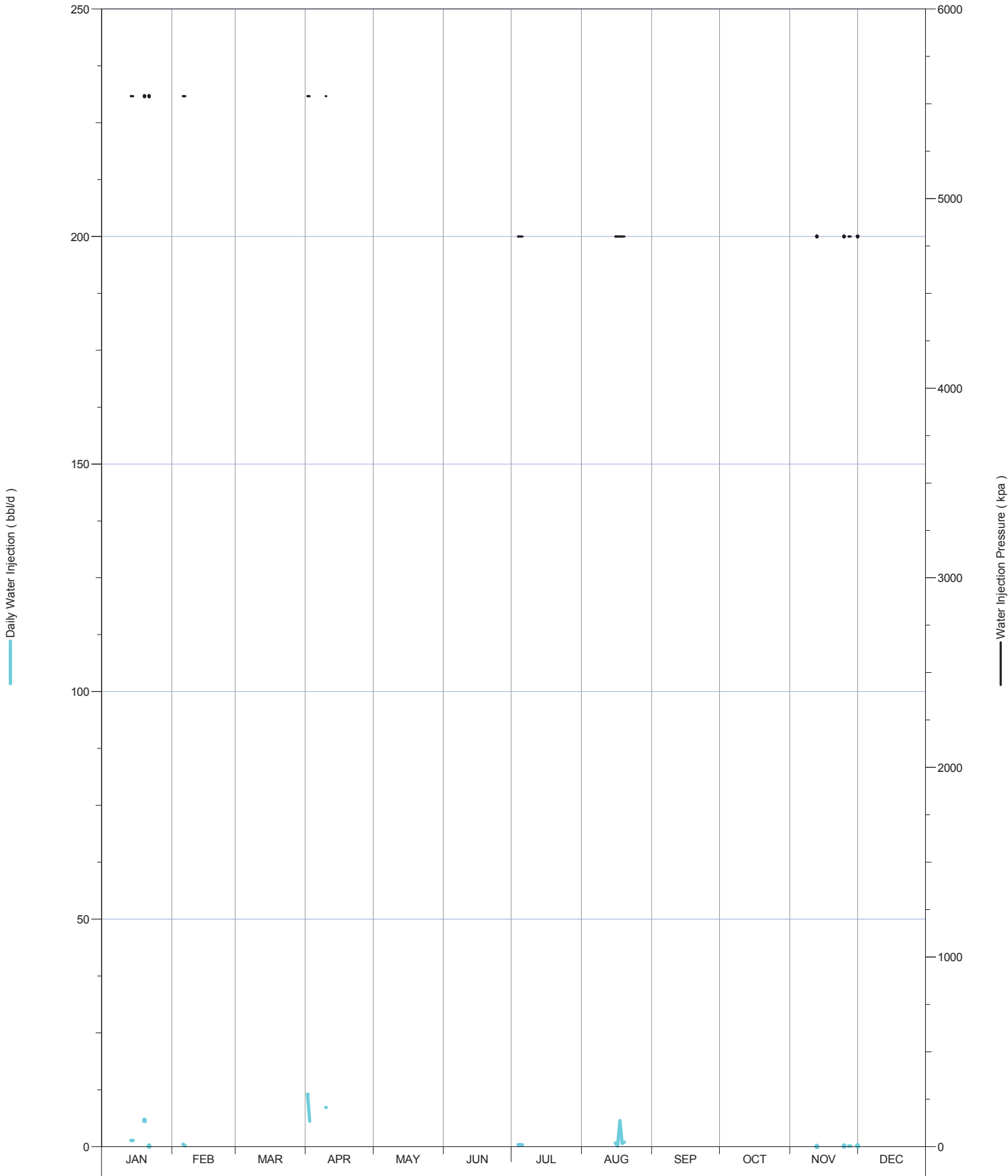
Daily Injection Rate and Pressure for: B0/16-17-002-29W1/0



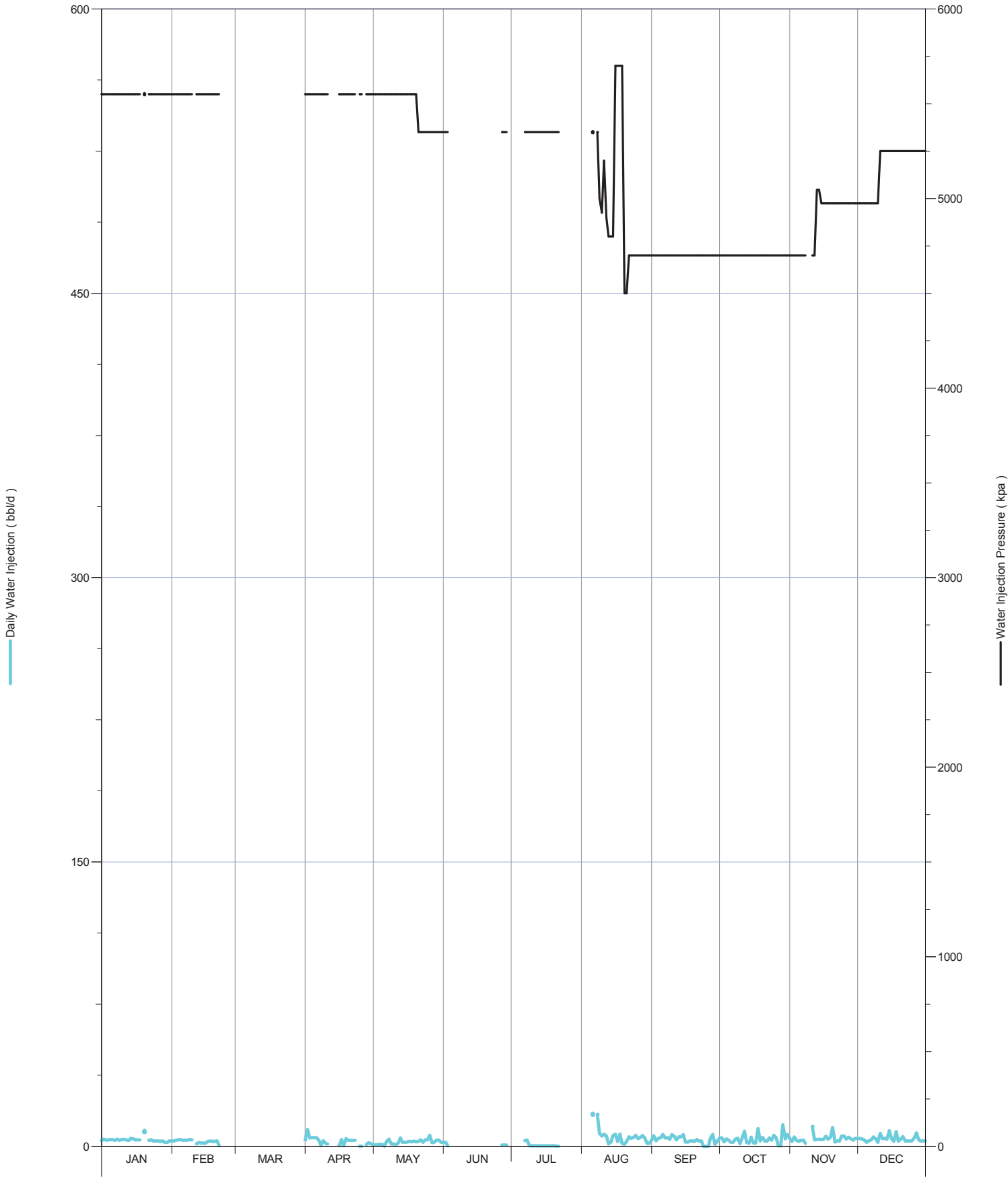
Daily Injection Rate and Pressure for: C0/05-16-002-29W1/0



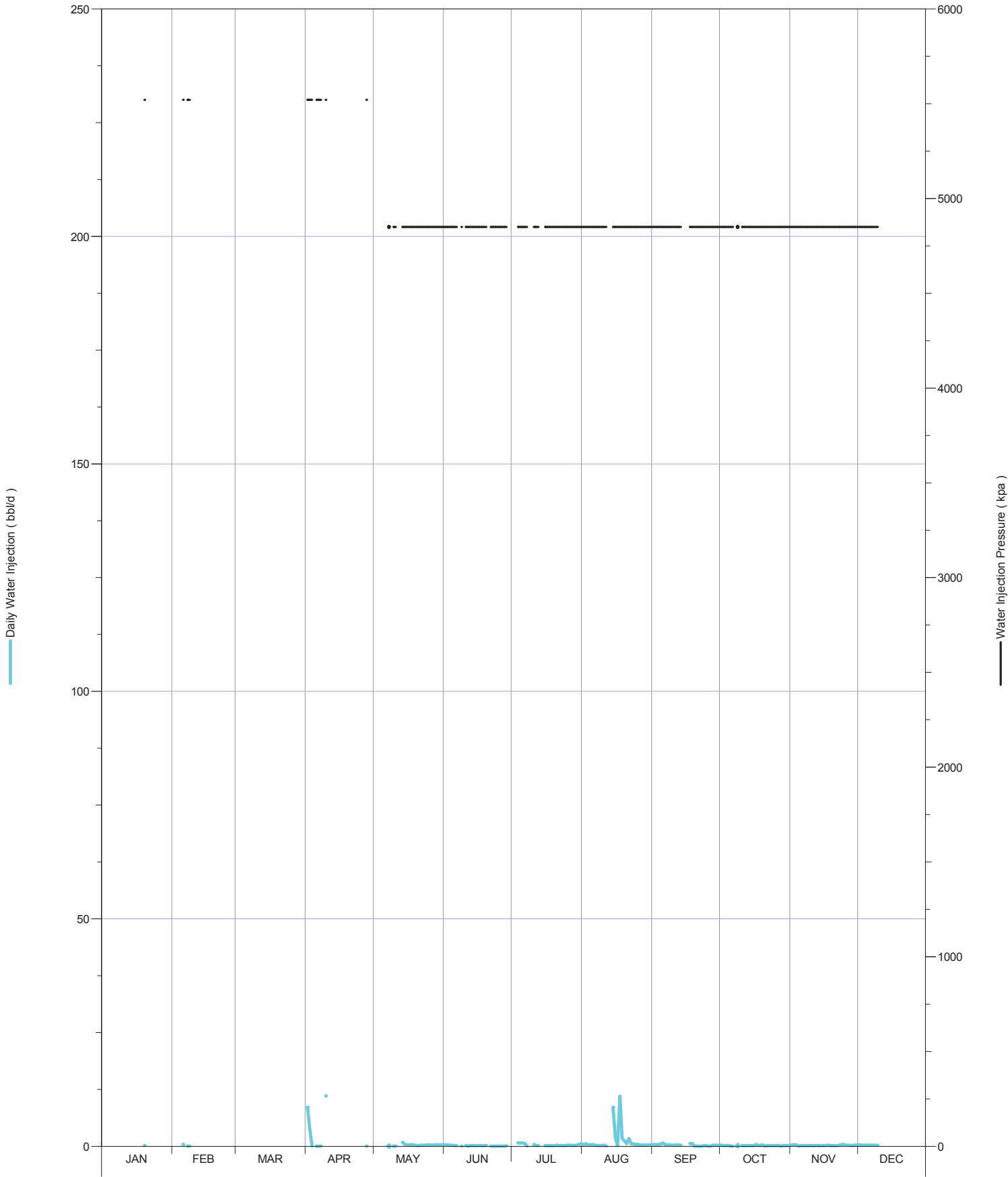
Daily Injection Rate and Pressure for: C0/11-16-002-29W1/0



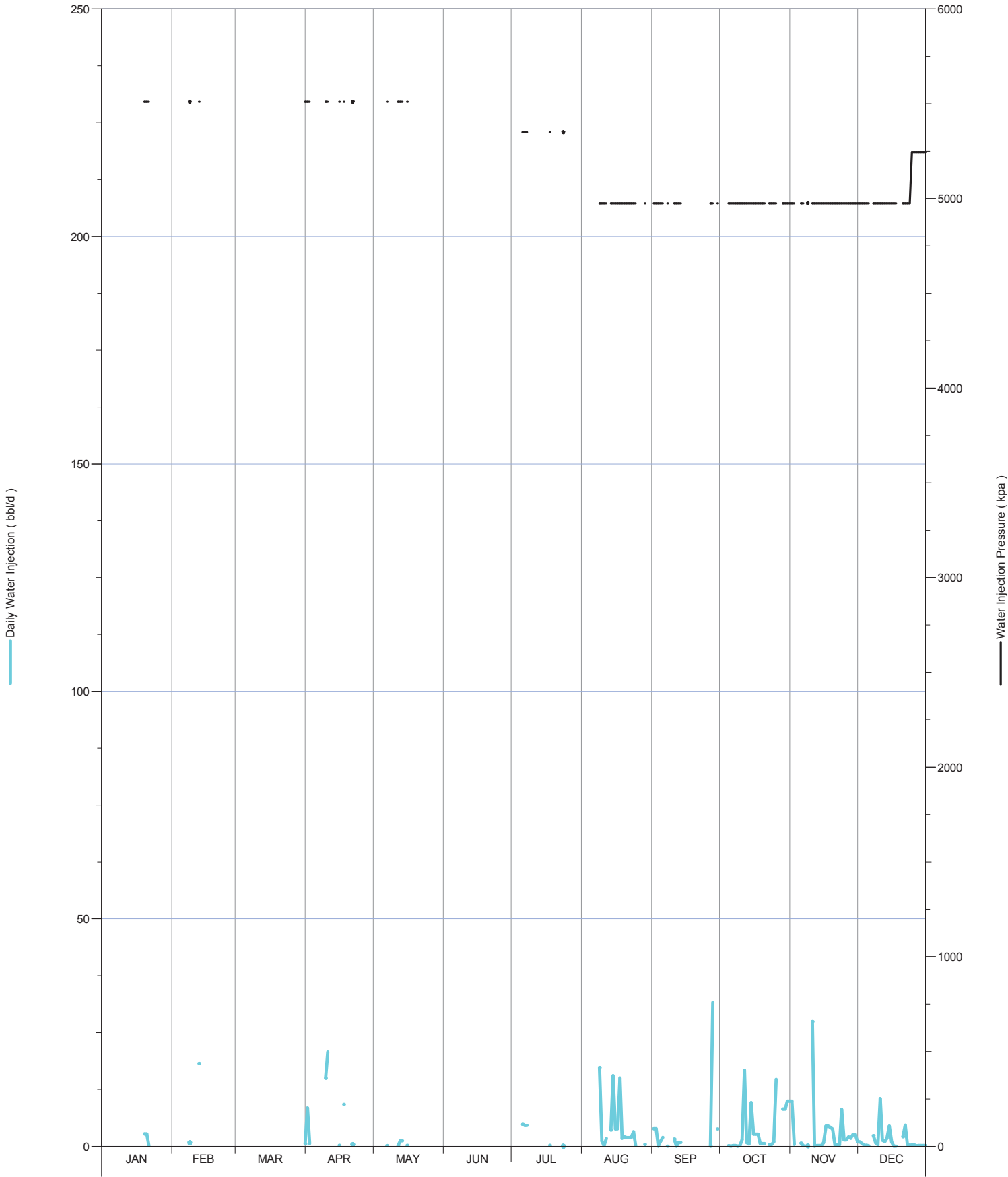
Daily Injection Rate and Pressure for: C0/15-04-002-29W1/0



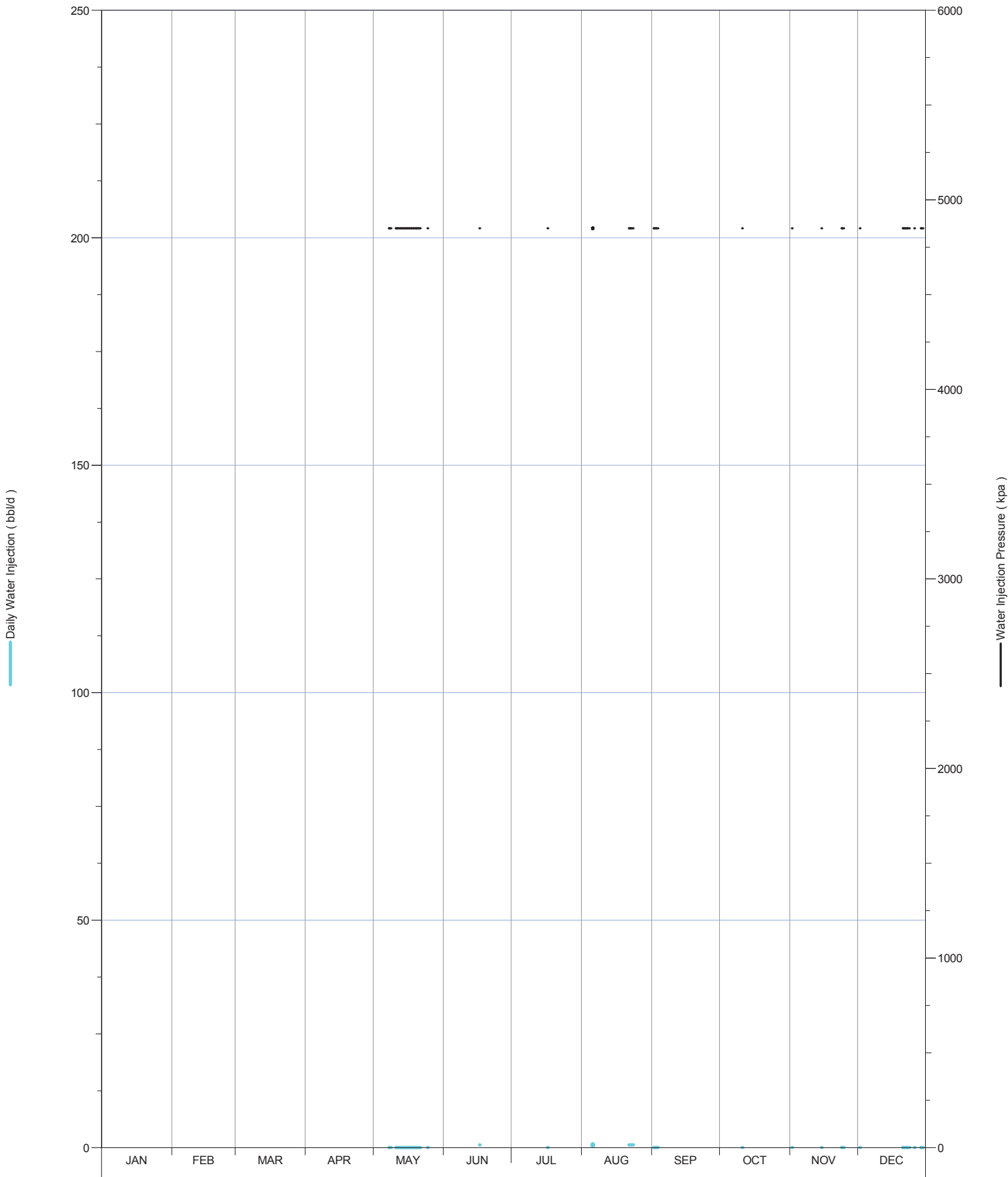
Daily Injection Rate and Pressure for: C2/07-16-002-29W1/0



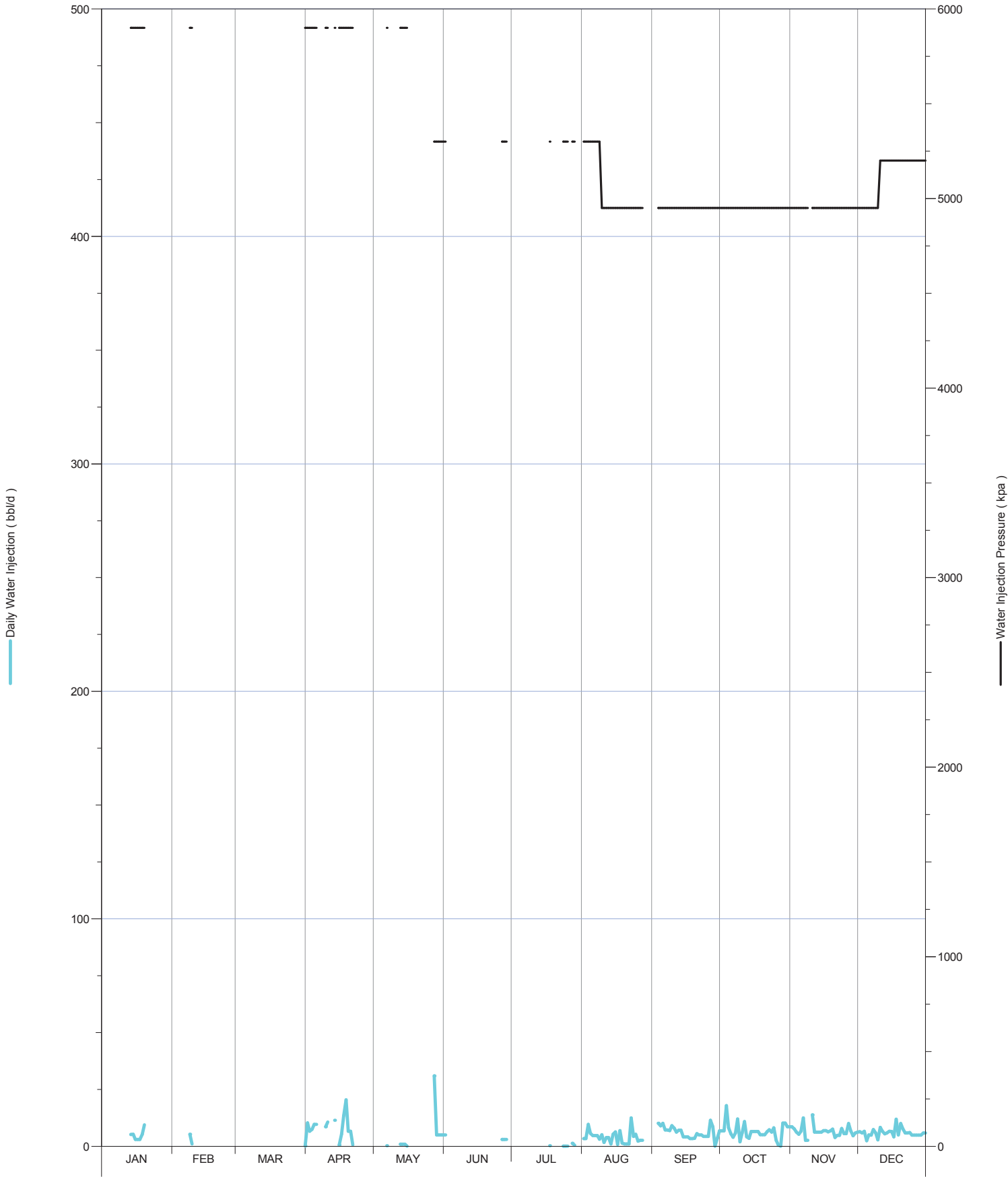
Daily Injection Rate and Pressure for: D0/02-09-002-29W1/0



Daily Injection Rate and Pressure for: D0/02-17-002-29W1/0

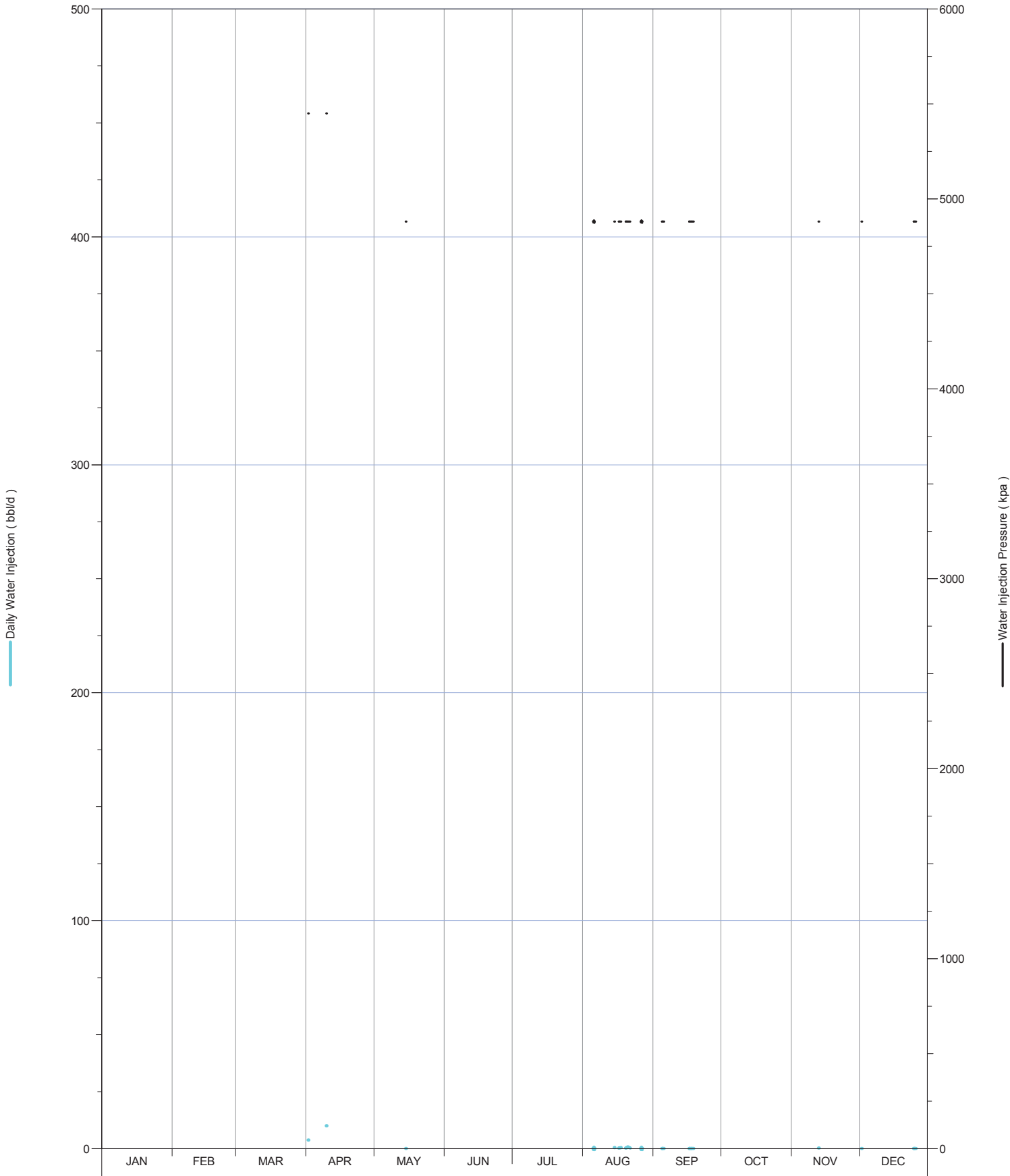


Daily Injection Rate and Pressure for: D0/04-09-002-29W1/0

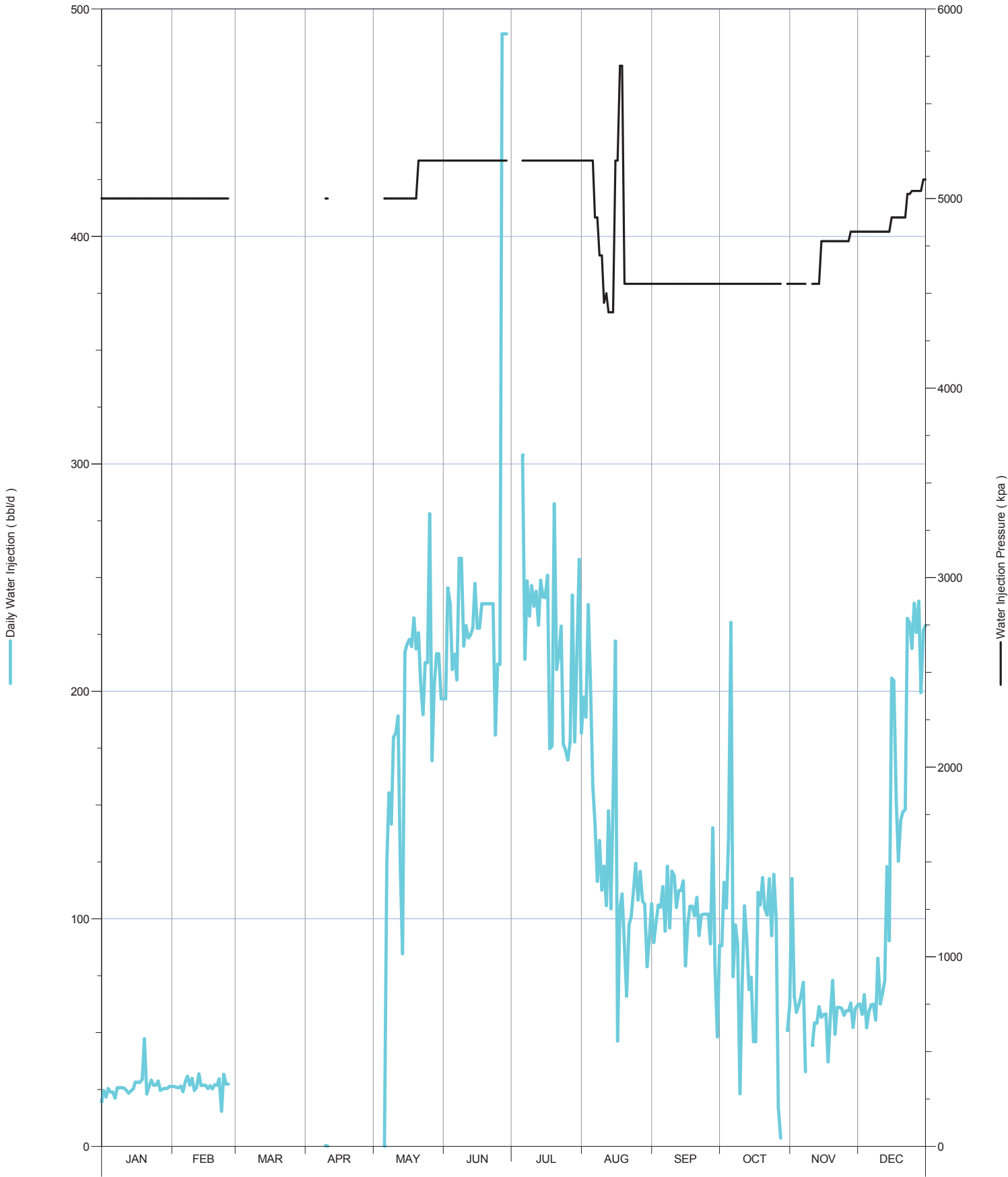




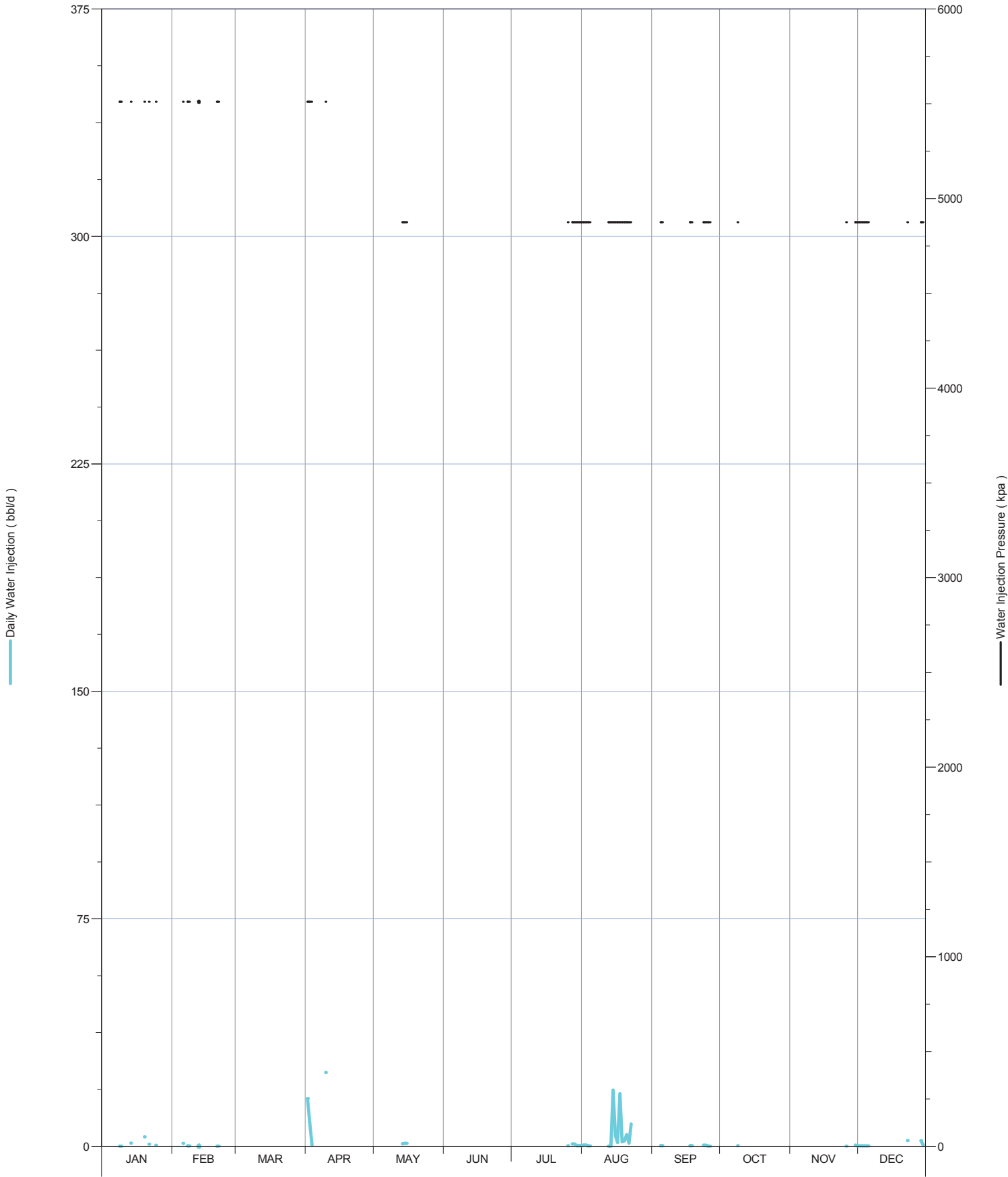
Daily Injection Rate and Pressure for: D0/04-17-002-29W1/0



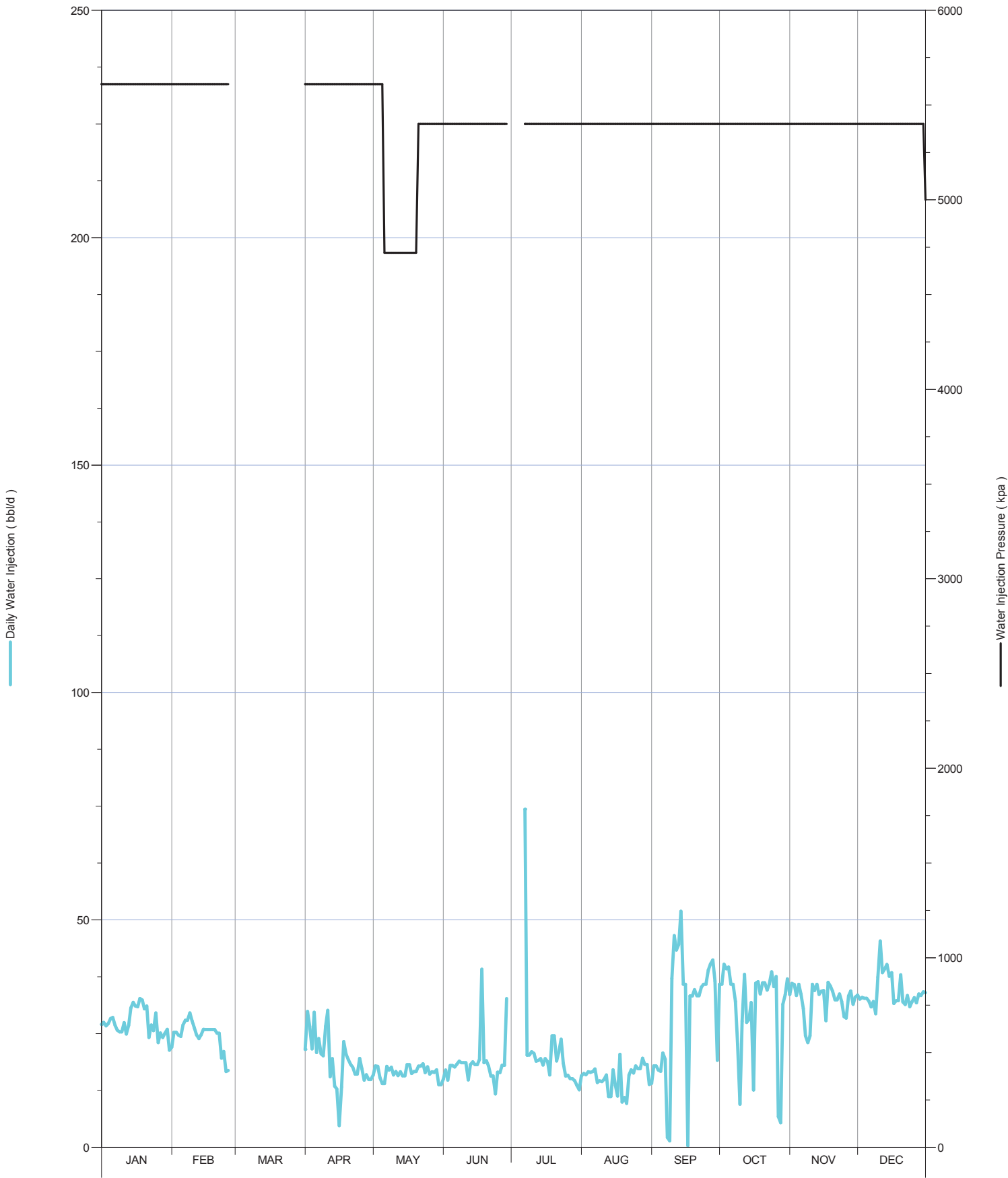
Daily Injection Rate and Pressure for: D0/06-09-002-29W1/0



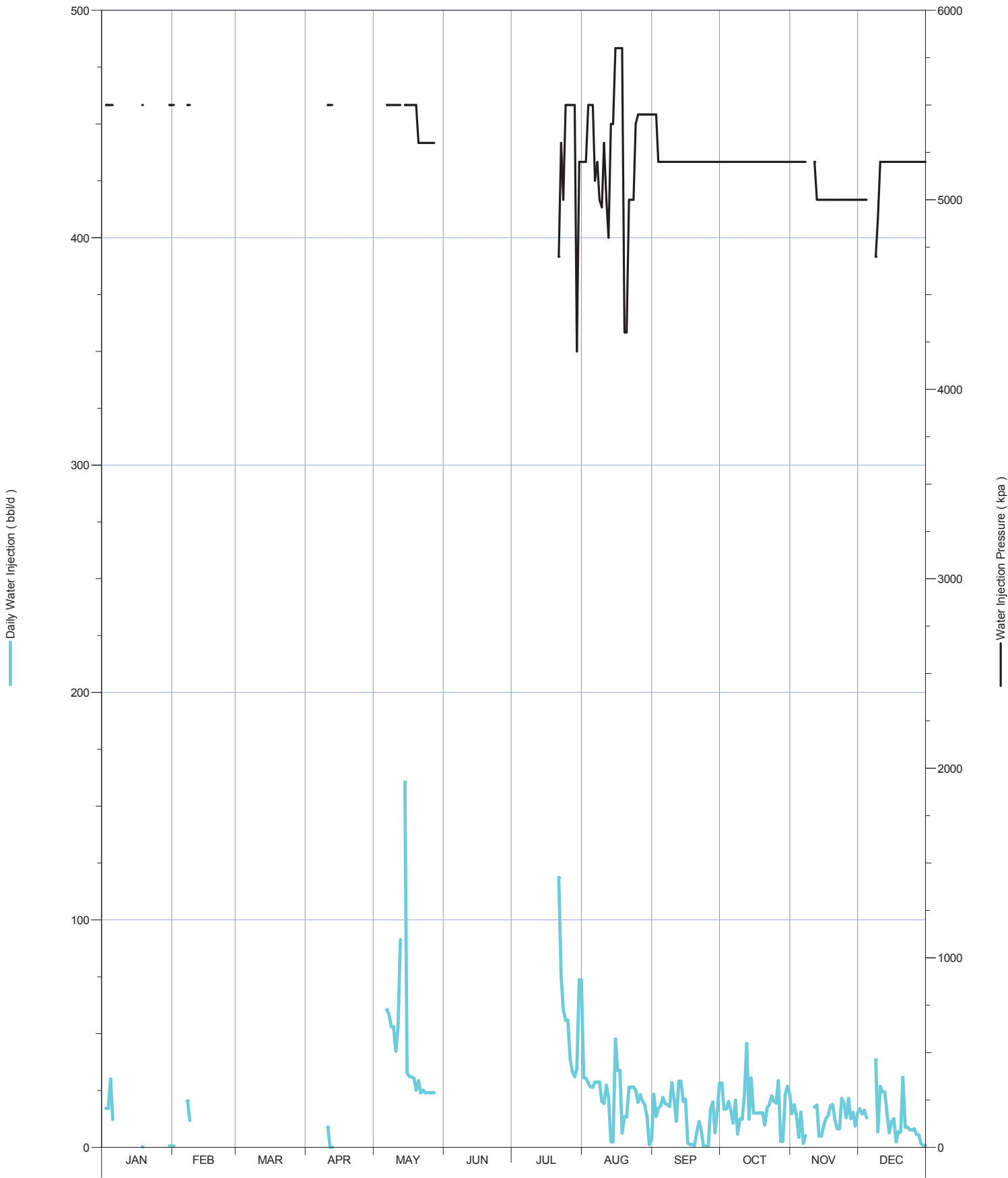
Daily Injection Rate and Pressure for: D0/06-17-002-29W1/0



Daily Injection Rate and Pressure for: D0/14-09-002-29W1/0



Daily Injection Rate and Pressure for: D0/16-05-002-29W1/0



00/02-08-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/02-08-002-29W1/0	Jan-14	5800
00/02-08-002-29W1/0	Feb-14	5800
00/02-08-002-29W1/0	Mar-14	5800
00/02-08-002-29W1/0	Apr-14	5800
00/02-08-002-29W1/0	May-14	5800
00/02-08-002-29W1/0	Aug-14	5000
00/02-08-002-29W1/0	Oct-14	5000
00/02-08-002-29W1/0	Nov-14	5000
00/02-08-002-29W1/0	Dec-14	5170

00/02-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/02-09-002-29W1/0	Jan-14	5800
00/02-09-002-29W1/0	Feb-14	5800
00/02-09-002-29W1/0	Mar-14	5800
00/02-09-002-29W1/0	Apr-14	5800
00/02-09-002-29W1/0	May-14	5800
00/02-09-002-29W1/0	Aug-14	5000
00/02-09-002-29W1/0	Oct-14	5000
00/02-09-002-29W1/0	Nov-14	5000
00/02-09-002-29W1/0	Dec-14	5170

00/02-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/02-16-002-29W1/0	Jan-14	5800
00/02-16-002-29W1/0	Feb-14	5800
00/02-16-002-29W1/0	Mar-14	5800
00/02-16-002-29W1/0	Apr-14	5800
00/02-16-002-29W1/0	May-14	5800
00/02-16-002-29W1/0	Aug-14	5000
00/02-16-002-29W1/0	Oct-14	5000
00/02-16-002-29W1/0	Nov-14	5000
00/02-16-002-29W1/0	Dec-14	5170



00/02-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/02-17-002-29W1/0	Jan-14	5800
00/02-17-002-29W1/0	Feb-14	5800
00/02-17-002-29W1/0	Mar-14	5800
00/02-17-002-29W1/0	Apr-14	5800
00/02-17-002-29W1/0	May-14	5800
00/02-17-002-29W1/0	Aug-14	5000
00/02-17-002-29W1/0	Oct-14	5000
00/02-17-002-29W1/0	Nov-14	5000
00/02-17-002-29W1/0	Dec-14	5170

00/04-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/04-09-002-29W1/0	Jan-14	5800
00/04-09-002-29W1/0	Feb-14	5800
00/04-09-002-29W1/0	Mar-14	5800
00/04-09-002-29W1/0	Apr-14	5800
00/04-09-002-29W1/0	May-14	5800
00/04-09-002-29W1/0	Aug-14	5000
00/04-09-002-29W1/0	Oct-14	5000
00/04-09-002-29W1/0	Nov-14	5000
00/04-09-002-29W1/0	Dec-14	5170

00/04-15-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/04-15-002-29W1/0	Jan-14	5800
00/04-15-002-29W1/0	Feb-14	5800
00/04-15-002-29W1/0	Mar-14	5800
00/04-15-002-29W1/0	Apr-14	5800
00/04-15-002-29W1/0	May-14	5800
00/04-15-002-29W1/0	Aug-14	5000
00/04-15-002-29W1/0	Oct-14	5000
00/04-15-002-29W1/0	Nov-14	5000
00/04-15-002-29W1/0	Dec-14	5170

00/04-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/04-16-002-29W1/0	Jan-14	5800
00/04-16-002-29W1/0	Feb-14	5800
00/04-16-002-29W1/0	Mar-14	5800
00/04-16-002-29W1/0	Apr-14	5800
00/04-16-002-29W1/0	May-14	5800
00/04-16-002-29W1/0	Aug-14	5000
00/04-16-002-29W1/0	Oct-14	5000
00/04-16-002-29W1/0	Nov-14	5000
00/04-16-002-29W1/0	Dec-14	5170

00/04-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/04-17-002-29W1/0	Jan-14	5800
00/04-17-002-29W1/0	Feb-14	5800
00/04-17-002-29W1/0	Mar-14	5800
00/04-17-002-29W1/0	Apr-14	5800
00/04-17-002-29W1/0	May-14	5800
00/04-17-002-29W1/0	Aug-14	5000
00/04-17-002-29W1/0	Oct-14	5000
00/04-17-002-29W1/0	Nov-14	5000
00/04-17-002-29W1/0	Dec-14	5170

00/06-08-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/06-08-002-29W1/0	Jan-14	5800
00/06-08-002-29W1/0	Feb-14	5800
00/06-08-002-29W1/0	Mar-14	5800
00/06-08-002-29W1/0	Apr-14	5800
00/06-08-002-29W1/0	May-14	5800
00/06-08-002-29W1/0	Aug-14	5000
00/06-08-002-29W1/0	Oct-14	5000
00/06-08-002-29W1/0	Nov-14	5000
00/06-08-002-29W1/0	Dec-14	5170

00/06-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/06-09-002-29W1/0	Jan-14	5800
00/06-09-002-29W1/0	Feb-14	5800
00/06-09-002-29W1/0	Mar-14	5800
00/06-09-002-29W1/0	Apr-14	5800
00/06-09-002-29W1/0	May-14	5800
00/06-09-002-29W1/0	Aug-14	5000
00/06-09-002-29W1/0	Oct-14	5000
00/06-09-002-29W1/0	Nov-14	5000
00/06-09-002-29W1/0	Dec-14	5170

00/06-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/06-16-002-29W1/0	Jan-14	5800
00/06-16-002-29W1/0	Feb-14	5800
00/06-16-002-29W1/0	Mar-14	5800
00/06-16-002-29W1/0	Apr-14	5800
00/06-16-002-29W1/0	May-14	5800
00/06-16-002-29W1/0	Aug-14	5000
00/06-16-002-29W1/0	Oct-14	5000
00/06-16-002-29W1/0	Nov-14	5000
00/06-16-002-29W1/0	Dec-14	5170



00/06-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/06-17-002-29W1/0	Jan-14	5800
00/06-17-002-29W1/0	Feb-14	5800
00/06-17-002-29W1/0	Mar-14	5800
00/06-17-002-29W1/0	Apr-14	5800
00/06-17-002-29W1/0	May-14	5800
00/06-17-002-29W1/0	Aug-14	5000
00/06-17-002-29W1/0	Oct-14	5000
00/06-17-002-29W1/0	Nov-14	5000
00/06-17-002-29W1/0	Dec-14	5170

00/08-08-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/08-08-002-29W1/0	Jan-14	5800
00/08-08-002-29W1/0	Feb-14	5800
00/08-08-002-29W1/0	Mar-14	5800
00/08-08-002-29W1/0	Apr-14	5800
00/08-08-002-29W1/0	May-14	5800
00/08-08-002-29W1/0	Aug-14	5000
00/08-08-002-29W1/0	Oct-14	5000
00/08-08-002-29W1/0	Nov-14	5000
00/08-08-002-29W1/0	Dec-14	5170

00/08-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/08-09-002-29W1/0	Jan-14	5800
00/08-09-002-29W1/0	Feb-14	5800
00/08-09-002-29W1/0	Mar-14	5800
00/08-09-002-29W1/0	Apr-14	5800
00/08-09-002-29W1/0	May-14	5800
00/08-09-002-29W1/0	Aug-14	5000
00/08-09-002-29W1/0	Oct-14	5000
00/08-09-002-29W1/0	Nov-14	5000
00/08-09-002-29W1/0	Dec-14	5170

00/08-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/08-16-002-29W1/0	Jan-14	5800
00/08-16-002-29W1/0	Feb-14	5800
00/08-16-002-29W1/0	Mar-14	5800
00/08-16-002-29W1/0	Apr-14	5800
00/08-16-002-29W1/0	May-14	5800
00/08-16-002-29W1/0	Aug-14	5000
00/08-16-002-29W1/0	Oct-14	5000
00/08-16-002-29W1/0	Nov-14	5000
00/08-16-002-29W1/0	Dec-14	5170

00/08-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/08-17-002-29W1/0	Jan-14	5800
00/08-17-002-29W1/0	Feb-14	5800
00/08-17-002-29W1/0	Mar-14	5800
00/08-17-002-29W1/0	Apr-14	5800
00/08-17-002-29W1/0	May-14	5800
00/08-17-002-29W1/0	Aug-14	5000
00/08-17-002-29W1/0	Oct-14	5000
00/08-17-002-29W1/0	Nov-14	5000
00/08-17-002-29W1/0	Dec-14	5170

00/08-18-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/08-18-002-29W1/0	Jan-14	5800
00/08-18-002-29W1/0	Feb-14	5800
00/08-18-002-29W1/0	Mar-14	5800
00/08-18-002-29W1/0	Apr-14	5800
00/08-18-002-29W1/0	May-14	5800
00/08-18-002-29W1/0	Aug-14	5000
00/08-18-002-29W1/0	Oct-14	5000
00/08-18-002-29W1/0	Nov-14	5000
00/08-18-002-29W1/0	Dec-14	5170

00/10-08-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/10-08-002-29W1/0	Jan-14	5800
00/10-08-002-29W1/0	Feb-14	5800
00/10-08-002-29W1/0	Mar-14	5800
00/10-08-002-29W1/0	Apr-14	5800
00/10-08-002-29W1/0	May-14	5800
00/10-08-002-29W1/0	Aug-14	5000
00/10-08-002-29W1/0	Oct-14	5000
00/10-08-002-29W1/0	Nov-14	5000
00/10-08-002-29W1/0	Dec-14	5170

00/10-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/10-09-002-29W1/0	Jan-14	5800
00/10-09-002-29W1/0	Feb-14	5800
00/10-09-002-29W1/0	Mar-14	5800
00/10-09-002-29W1/0	Apr-14	5800
00/10-09-002-29W1/0	May-14	5800
00/10-09-002-29W1/0	Aug-14	5000
00/10-09-002-29W1/0	Oct-14	5000
00/10-09-002-29W1/0	Nov-14	5000
00/10-09-002-29W1/0	Dec-14	5170



00/10-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/10-16-002-29W1/0	Jan-14	5800
00/10-16-002-29W1/0	Feb-14	5800
00/10-16-002-29W1/0	Mar-14	5800
00/10-16-002-29W1/0	Apr-14	5800
00/10-16-002-29W1/0	May-14	5800
00/10-16-002-29W1/0	Aug-14	5000
00/10-16-002-29W1/0	Oct-14	5000
00/10-16-002-29W1/0	Nov-14	5000
00/10-16-002-29W1/0	Dec-14	5170

00/12-04-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/12-04-002-29W1/0	Jan-14	5800
00/12-04-002-29W1/0	Feb-14	5800
00/12-04-002-29W1/0	Mar-14	5800
00/12-04-002-29W1/0	Apr-14	5800
00/12-04-002-29W1/0	May-14	5800
00/12-04-002-29W1/0	Aug-14	5000
00/12-04-002-29W1/0	Oct-14	5000
00/12-04-002-29W1/0	Nov-14	5000
00/12-04-002-29W1/0	Dec-14	5170

00/12-08-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/12-08-002-29W1/0	Jan-14	5800
00/12-08-002-29W1/0	Feb-14	5800
00/12-08-002-29W1/0	Mar-14	5800
00/12-08-002-29W1/0	Apr-14	5800
00/12-08-002-29W1/0	May-14	5800
00/12-08-002-29W1/0	Aug-14	5000
00/12-08-002-29W1/0	Oct-14	5000
00/12-08-002-29W1/0	Nov-14	5000
00/12-08-002-29W1/0	Dec-14	5170

00/12-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/12-09-002-29W1/0	Jan-14	5800
00/12-09-002-29W1/0	Feb-14	5800
00/12-09-002-29W1/0	Mar-14	5800
00/12-09-002-29W1/0	Apr-14	5800
00/12-09-002-29W1/0	May-14	5800
00/12-09-002-29W1/0	Aug-14	5000
00/12-09-002-29W1/0	Oct-14	5000
00/12-09-002-29W1/0	Nov-14	5000
00/12-09-002-29W1/0	Dec-14	5170

00/12-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/12-17-002-29W1/0	Jan-14	5800
00/12-17-002-29W1/0	Feb-14	5800
00/12-17-002-29W1/0	Mar-14	5800
00/12-17-002-29W1/0	Apr-14	5800
00/12-17-002-29W1/0	May-14	5800
00/12-17-002-29W1/0	Aug-14	5000
00/12-17-002-29W1/0	Oct-14	5000
00/12-17-002-29W1/0	Nov-14	5000
00/12-17-002-29W1/0	Dec-14	5170

00/13-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/13-09-002-29W1/0	Jan-14	5800
00/13-09-002-29W1/0	Feb-14	5800
00/13-09-002-29W1/0	Mar-14	5800
00/13-09-002-29W1/0	Apr-14	5800
00/13-09-002-29W1/0	May-14	5800
00/13-09-002-29W1/0	Aug-14	5000
00/13-09-002-29W1/0	Oct-14	5000
00/13-09-002-29W1/0	Nov-14	5000
00/13-09-002-29W1/0	Dec-14	5170

00/14-04-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/14-04-002-29W1/0	Jan-14	5800
00/14-04-002-29W1/0	Feb-14	5800
00/14-04-002-29W1/0	Mar-14	5800
00/14-04-002-29W1/0	Apr-14	5800
00/14-04-002-29W1/0	May-14	5800
00/14-04-002-29W1/0	Aug-14	5000
00/14-04-002-29W1/0	Oct-14	5000
00/14-04-002-29W1/0	Nov-14	5000
00/14-04-002-29W1/0	Dec-14	5170

00/14-08-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/14-08-002-29W1/0	Jan-14	5800
00/14-08-002-29W1/0	Feb-14	5800
00/14-08-002-29W1/0	Mar-14	5800
00/14-08-002-29W1/0	Apr-14	5800
00/14-08-002-29W1/0	May-14	5800
00/14-08-002-29W1/0	Aug-14	5000
00/14-08-002-29W1/0	Oct-14	5000
00/14-08-002-29W1/0	Nov-14	5000
00/14-08-002-29W1/0	Dec-14	5170



00/14-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/14-09-002-29W1/0	Jan-14	5800
00/14-09-002-29W1/0	Feb-14	5800
00/14-09-002-29W1/0	Mar-14	5800
00/14-09-002-29W1/0	Apr-14	5800
00/14-09-002-29W1/0	May-14	5800
00/14-09-002-29W1/0	Aug-14	5000
00/14-09-002-29W1/0	Oct-14	5000
00/14-09-002-29W1/0	Nov-14	5000
00/14-09-002-29W1/0	Dec-14	5170

00/14-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/14-17-002-29W1/0	Jan-14	5800
00/14-17-002-29W1/0	Feb-14	5800
00/14-17-002-29W1/0	Mar-14	5800
00/14-17-002-29W1/0	Apr-14	5800
00/14-17-002-29W1/0	May-14	5800
00/14-17-002-29W1/0	Aug-14	5000
00/14-17-002-29W1/0	Oct-14	5000
00/14-17-002-29W1/0	Nov-14	5000
00/14-17-002-29W1/0	Dec-14	5170

00/16-04-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/16-04-002-29W1/0	Jan-14	5800
00/16-04-002-29W1/0	Feb-14	5800
00/16-04-002-29W1/0	Mar-14	5800
00/16-04-002-29W1/0	Apr-14	5800
00/16-04-002-29W1/0	May-14	5800
00/16-04-002-29W1/0	Aug-14	5000
00/16-04-002-29W1/0	Oct-14	5000
00/16-04-002-29W1/0	Nov-14	5000
00/16-04-002-29W1/0	Dec-14	5170

00/16-05-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/16-05-002-29W1/0	Jan-14	5800
00/16-05-002-29W1/0	Feb-14	5800
00/16-05-002-29W1/0	Mar-14	5800
00/16-05-002-29W1/0	Apr-14	5800
00/16-05-002-29W1/0	May-14	5800
00/16-05-002-29W1/0	Aug-14	5000
00/16-05-002-29W1/0	Oct-14	5000
00/16-05-002-29W1/0	Nov-14	5000
00/16-05-002-29W1/0	Dec-14	5170

00/16-08-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/16-08-002-29W1/0	Jan-14	5800
00/16-08-002-29W1/0	Feb-14	5800
00/16-08-002-29W1/0	Mar-14	5800
00/16-08-002-29W1/0	Apr-14	5800
00/16-08-002-29W1/0	May-14	5800
00/16-08-002-29W1/0	Aug-14	5000
00/16-08-002-29W1/0	Oct-14	5000
00/16-08-002-29W1/0	Nov-14	5000
00/16-08-002-29W1/0	Dec-14	5170

00/16-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/16-09-002-29W1/0	Jan-14	5800
00/16-09-002-29W1/0	Feb-14	5800
00/16-09-002-29W1/0	Mar-14	5800
00/16-09-002-29W1/0	Apr-14	5800
00/16-09-002-29W1/0	May-14	5800
00/16-09-002-29W1/0	Aug-14	5000
00/16-09-002-29W1/0	Oct-14	5000
00/16-09-002-29W1/0	Nov-14	5000
00/16-09-002-29W1/0	Dec-14	5170

00/16-18-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
00/16-18-002-29W1/0	Jan-14	5800
00/16-18-002-29W1/0	Feb-14	5800
00/16-18-002-29W1/0	Mar-14	5800
00/16-18-002-29W1/0	Apr-14	5800
00/16-18-002-29W1/0	May-14	5800
00/16-18-002-29W1/0	Aug-14	5000
00/16-18-002-29W1/0	Oct-14	5000
00/16-18-002-29W1/0	Nov-14	5000
00/16-18-002-29W1/0	Dec-14	5170

02/08-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
02/08-09-002-29W1/0	Jan-14	5800
02/08-09-002-29W1/0	Feb-14	5800
02/08-09-002-29W1/0	Mar-14	5800
02/08-09-002-29W1/0	Apr-14	5800
02/08-09-002-29W1/0	May-14	5800
02/08-09-002-29W1/0	Aug-14	5000
02/08-09-002-29W1/0	Oct-14	5000
02/08-09-002-29W1/0	Nov-14	5000
02/08-09-002-29W1/0	Dec-14	5170



02/10-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
02/10-16-002-29W1/0	Jan-14	5800
02/10-16-002-29W1/0	Feb-14	5800
02/10-16-002-29W1/0	Mar-14	5800
02/10-16-002-29W1/0	Apr-14	5800
02/10-16-002-29W1/0	May-14	5800
02/10-16-002-29W1/0	Aug-14	5000
02/10-16-002-29W1/0	Oct-14	5000
02/10-16-002-29W1/0	Nov-14	5000
02/10-16-002-29W1/0	Dec-14	5170

02/12-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
02/12-09-002-29W1/0	Jan-14	5800
02/12-09-002-29W1/0	Feb-14	5800
02/12-09-002-29W1/0	Mar-14	5800
02/12-09-002-29W1/0	Apr-14	5800
02/12-09-002-29W1/0	May-14	5800
02/12-09-002-29W1/0	Aug-14	5000
02/12-09-002-29W1/0	Oct-14	5000
02/12-09-002-29W1/0	Nov-14	5000
02/12-09-002-29W1/0	Dec-14	5170

02/12-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
02/12-16-002-29W1/0	Jan-14	5800
02/12-16-002-29W1/0	Feb-14	5800
02/12-16-002-29W1/0	Mar-14	5800
02/12-16-002-29W1/0	Apr-14	5800
02/12-16-002-29W1/0	May-14	5800
02/12-16-002-29W1/0	Aug-14	5000
02/12-16-002-29W1/0	Oct-14	5000
02/12-16-002-29W1/0	Nov-14	5000
02/12-16-002-29W1/0	Dec-14	5170

02/16-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
02/16-09-002-29W1/0	Jan-14	5800
02/16-09-002-29W1/0	Feb-14	5800
02/16-09-002-29W1/0	Mar-14	5800
02/16-09-002-29W1/0	Apr-14	5800
02/16-09-002-29W1/0	May-14	5800
02/16-09-002-29W1/0	Aug-14	5000
02/16-09-002-29W1/0	Oct-14	5000
02/16-09-002-29W1/0	Nov-14	5000
02/16-09-002-29W1/0	Dec-14	5170

03/15-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
03/15-16-002-29W1/0	Jan-14	5800
03/15-16-002-29W1/0	Feb-14	5800
03/15-16-002-29W1/0	Mar-14	5800
03/15-16-002-29W1/0	Apr-14	5800
03/15-16-002-29W1/0	May-14	5800
03/15-16-002-29W1/0	Aug-14	5000
03/15-16-002-29W1/0	Oct-14	5000
03/15-16-002-29W1/0	Nov-14	5000
03/15-16-002-29W1/0	Dec-14	5170

03/16-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
03/16-09-002-29W1/0	Jan-14	5800
03/16-09-002-29W1/0	Feb-14	5800
03/16-09-002-29W1/0	Mar-14	5800
03/16-09-002-29W1/0	Apr-14	5800
03/16-09-002-29W1/0	May-14	5800
03/16-09-002-29W1/0	Aug-14	5000
03/16-09-002-29W1/0	Oct-14	5000
03/16-09-002-29W1/0	Nov-14	5000
03/16-09-002-29W1/0	Dec-14	5170

B0/02-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/02-17-002-29W1/0	Jan-14	5800
B0/02-17-002-29W1/0	Feb-14	5800
B0/02-17-002-29W1/0	Mar-14	5800
B0/02-17-002-29W1/0	Apr-14	5800
B0/02-17-002-29W1/0	May-14	5800
B0/02-17-002-29W1/0	Aug-14	5000
B0/02-17-002-29W1/0	Oct-14	5000
B0/02-17-002-29W1/0	Nov-14	5000
B0/02-17-002-29W1/0	Dec-14	5170

B0/04-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/04-16-002-29W1/0	Jan-14	5800
B0/04-16-002-29W1/0	Feb-14	5800
B0/04-16-002-29W1/0	Mar-14	5800
B0/04-16-002-29W1/0	Apr-14	5800
B0/04-16-002-29W1/0	May-14	5800
B0/04-16-002-29W1/0	Aug-14	5000
B0/04-16-002-29W1/0	Oct-14	5000
B0/04-16-002-29W1/0	Nov-14	5000
B0/04-16-002-29W1/0	Dec-14	5170



B0/06-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/06-09-002-29W1/0	Jan-14	5800
B0/06-09-002-29W1/0	Feb-14	5800
B0/06-09-002-29W1/0	Mar-14	5800
B0/06-09-002-29W1/0	Apr-14	5800
B0/06-09-002-29W1/0	May-14	5800
B0/06-09-002-29W1/0	Aug-14	5000
B0/06-09-002-29W1/0	Oct-14	5000
B0/06-09-002-29W1/0	Nov-14	5000
B0/06-09-002-29W1/0	Dec-14	5170

B0/06-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/06-16-002-29W1/0	Jan-14	5800
B0/06-16-002-29W1/0	Feb-14	5800
B0/06-16-002-29W1/0	Mar-14	5800
B0/06-16-002-29W1/0	Apr-14	5800
B0/06-16-002-29W1/0	May-14	5800
B0/06-16-002-29W1/0	Aug-14	5000
B0/06-16-002-29W1/0	Oct-14	5000
B0/06-16-002-29W1/0	Nov-14	5000
B0/06-16-002-29W1/0	Dec-14	5170

B0/08-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/08-09-002-29W1/0	Jan-14	5800
B0/08-09-002-29W1/0	Feb-14	5800
B0/08-09-002-29W1/0	Mar-14	5800
B0/08-09-002-29W1/0	Apr-14	5800
B0/08-09-002-29W1/0	May-14	5800
B0/08-09-002-29W1/0	Aug-14	5000
B0/08-09-002-29W1/0	Oct-14	5000
B0/08-09-002-29W1/0	Nov-14	5000
B0/08-09-002-29W1/0	Dec-14	5170

B0/08-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/08-16-002-29W1/0	Jan-14	5800
B0/08-16-002-29W1/0	Feb-14	5800
B0/08-16-002-29W1/0	Mar-14	5800
B0/08-16-002-29W1/0	Apr-14	5800
B0/08-16-002-29W1/0	May-14	5800
B0/08-16-002-29W1/0	Aug-14	5000
B0/08-16-002-29W1/0	Oct-14	5000
B0/08-16-002-29W1/0	Nov-14	5000
B0/08-16-002-29W1/0	Dec-14	5170

B0/12-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/12-17-002-29W1/0	Jan-14	5800
B0/12-17-002-29W1/0	Feb-14	5800
B0/12-17-002-29W1/0	Mar-14	5800
B0/12-17-002-29W1/0	Apr-14	5800
B0/12-17-002-29W1/0	May-14	5800
B0/12-17-002-29W1/0	Aug-14	5000
B0/12-17-002-29W1/0	Oct-14	5000
B0/12-17-002-29W1/0	Nov-14	5000
B0/12-17-002-29W1/0	Dec-14	5170

B0/14-04-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/14-04-002-29W1/0	Jan-14	5800
B0/14-04-002-29W1/0	Feb-14	5800
B0/14-04-002-29W1/0	Mar-14	5800
B0/14-04-002-29W1/0	Apr-14	5800
B0/14-04-002-29W1/0	May-14	5800
B0/14-04-002-29W1/0	Aug-14	5000
B0/14-04-002-29W1/0	Oct-14	5000
B0/14-04-002-29W1/0	Nov-14	5000
B0/14-04-002-29W1/0	Dec-14	5170

B0/14-08-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/14-08-002-29W1/0	Jan-14	5800
B0/14-08-002-29W1/0	Feb-14	5800
B0/14-08-002-29W1/0	Mar-14	5800
B0/14-08-002-29W1/0	Apr-14	5800
B0/14-08-002-29W1/0	May-14	5800
B0/14-08-002-29W1/0	Aug-14	5000
B0/14-08-002-29W1/0	Oct-14	5000
B0/14-08-002-29W1/0	Nov-14	5000
B0/14-08-002-29W1/0	Dec-14	5170

B0/16-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
B0/16-17-002-29W1/0	Jan-14	5800
B0/16-17-002-29W1/0	Feb-14	5800
B0/16-17-002-29W1/0	Mar-14	5800
B0/16-17-002-29W1/0	Apr-14	5800
B0/16-17-002-29W1/0	May-14	5800
B0/16-17-002-29W1/0	Aug-14	5000
B0/16-17-002-29W1/0	Oct-14	5000
B0/16-17-002-29W1/0	Nov-14	5000
B0/16-17-002-29W1/0	Dec-14	5170



C0/05-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
C0/05-16-002-29W1/0	Jan-14	5800
C0/05-16-002-29W1/0	Feb-14	5800
C0/05-16-002-29W1/0	Mar-14	5800
C0/05-16-002-29W1/0	Apr-14	5800
C0/05-16-002-29W1/0	May-14	5800
C0/05-16-002-29W1/0	Aug-14	5000
C0/05-16-002-29W1/0	Oct-14	5000
C0/05-16-002-29W1/0	Nov-14	5000
C0/05-16-002-29W1/0	Dec-14	5170

C0/11-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
C0/11-16-002-29W1/0	Jan-14	5800
C0/11-16-002-29W1/0	Feb-14	5800
C0/11-16-002-29W1/0	Mar-14	5800
C0/11-16-002-29W1/0	Apr-14	5800
C0/11-16-002-29W1/0	May-14	5800
C0/11-16-002-29W1/0	Aug-14	5000
C0/11-16-002-29W1/0	Oct-14	5000
C0/11-16-002-29W1/0	Nov-14	5000
C0/11-16-002-29W1/0	Dec-14	5170

C0/15-04-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
C0/15-04-002-29W1/0	Jan-14	5800
C0/15-04-002-29W1/0	Feb-14	5800
C0/15-04-002-29W1/0	Mar-14	5800
C0/15-04-002-29W1/0	Apr-14	5800
C0/15-04-002-29W1/0	May-14	5800
C0/15-04-002-29W1/0	Aug-14	5000
C0/15-04-002-29W1/0	Oct-14	5000
C0/15-04-002-29W1/0	Nov-14	5000
C0/15-04-002-29W1/0	Dec-14	5170

C2/07-16-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
C2/07-16-002-29W1/0	Jan-14	5800
C2/07-16-002-29W1/0	Feb-14	5800
C2/07-16-002-29W1/0	Mar-14	5800
C2/07-16-002-29W1/0	Apr-14	5800
C2/07-16-002-29W1/0	May-14	5800
C2/07-16-002-29W1/0	Aug-14	5000
C2/07-16-002-29W1/0	Oct-14	5000
C2/07-16-002-29W1/0	Nov-14	5000
C2/07-16-002-29W1/0	Dec-14	5170

D0/02-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
D0/02-09-002-29W1/0	Jan-14	5800
D0/02-09-002-29W1/0	Feb-14	5800
D0/02-09-002-29W1/0	Mar-14	5800
D0/02-09-002-29W1/0	Apr-14	5800
D0/02-09-002-29W1/0	May-14	5800
D0/02-09-002-29W1/0	Aug-14	5000
D0/02-09-002-29W1/0	Oct-14	5000
D0/02-09-002-29W1/0	Nov-14	5000
D0/02-09-002-29W1/0	Dec-14	5170

D0/02-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
D0/02-17-002-29W1/0	Jan-14	5800
D0/02-17-002-29W1/0	Feb-14	5800
D0/02-17-002-29W1/0	Mar-14	5800
D0/02-17-002-29W1/0	Apr-14	5800
D0/02-17-002-29W1/0	May-14	5800
D0/02-17-002-29W1/0	Aug-14	5000
D0/02-17-002-29W1/0	Oct-14	5000
D0/02-17-002-29W1/0	Nov-14	5000
D0/02-17-002-29W1/0	Dec-14	5170

D0/04-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
D0/04-09-002-29W1/0	Jan-14	5800
D0/04-09-002-29W1/0	Feb-14	5800
D0/04-09-002-29W1/0	Mar-14	5800
D0/04-09-002-29W1/0	Apr-14	5800
D0/04-09-002-29W1/0	May-14	5800
D0/04-09-002-29W1/0	Aug-14	5000
D0/04-09-002-29W1/0	Oct-14	5000
D0/04-09-002-29W1/0	Nov-14	5000
D0/04-09-002-29W1/0	Dec-14	5170

D0/04-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
D0/04-17-002-29W1/0	Jan-14	5800
D0/04-17-002-29W1/0	Feb-14	5800
D0/04-17-002-29W1/0	Mar-14	5800
D0/04-17-002-29W1/0	Apr-14	5800
D0/04-17-002-29W1/0	May-14	5800
D0/04-17-002-29W1/0	Aug-14	5000
D0/04-17-002-29W1/0	Oct-14	5000
D0/04-17-002-29W1/0	Nov-14	5000
D0/04-17-002-29W1/0	Dec-14	5170



D0/06-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
D0/06-09-002-29W1/0	Jan-14	5800
D0/06-09-002-29W1/0	Feb-14	5800
D0/06-09-002-29W1/0	Mar-14	5800
D0/06-09-002-29W1/0	Apr-14	5800
D0/06-09-002-29W1/0	May-14	5800
D0/06-09-002-29W1/0	Aug-14	5000
D0/06-09-002-29W1/0	Oct-14	5000
D0/06-09-002-29W1/0	Nov-14	5000
D0/06-09-002-29W1/0	Dec-14	5170

D0/06-17-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
D0/06-17-002-29W1/0	Jan-14	5800
D0/06-17-002-29W1/0	Feb-14	5800
D0/06-17-002-29W1/0	Mar-14	5800
D0/06-17-002-29W1/0	Apr-14	5800
D0/06-17-002-29W1/0	May-14	5800
D0/06-17-002-29W1/0	Aug-14	5000
D0/06-17-002-29W1/0	Oct-14	5000
D0/06-17-002-29W1/0	Nov-14	5000
D0/06-17-002-29W1/0	Dec-14	5170

D0/14-09-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
D0/14-09-002-29W1/0	Jan-14	5800
D0/14-09-002-29W1/0	Feb-14	5800
D0/14-09-002-29W1/0	Mar-14	5800
D0/14-09-002-29W1/0	Apr-14	5800
D0/14-09-002-29W1/0	May-14	5800
D0/14-09-002-29W1/0	Aug-14	5000
D0/14-09-002-29W1/0	Oct-14	5000
D0/14-09-002-29W1/0	Nov-14	5000
D0/14-09-002-29W1/0	Dec-14	5170

D0/16-05-002-29W1/0  
Monthly Wellhead Injection Pressure

Injection Well UWI	Date	Wellhead Inj Press kPa
D0/16-05-002-29W1/0	Jan-14	5800
D0/16-05-002-29W1/0	Feb-14	5800
D0/16-05-002-29W1/0	Mar-14	5800
D0/16-05-002-29W1/0	Apr-14	5800
D0/16-05-002-29W1/0	May-14	5800
D0/16-05-002-29W1/0	Aug-14	5000
D0/16-05-002-29W1/0	Oct-14	5000
D0/16-05-002-29W1/0	Nov-14	5000
D0/16-05-002-29W1/0	Dec-14	5170