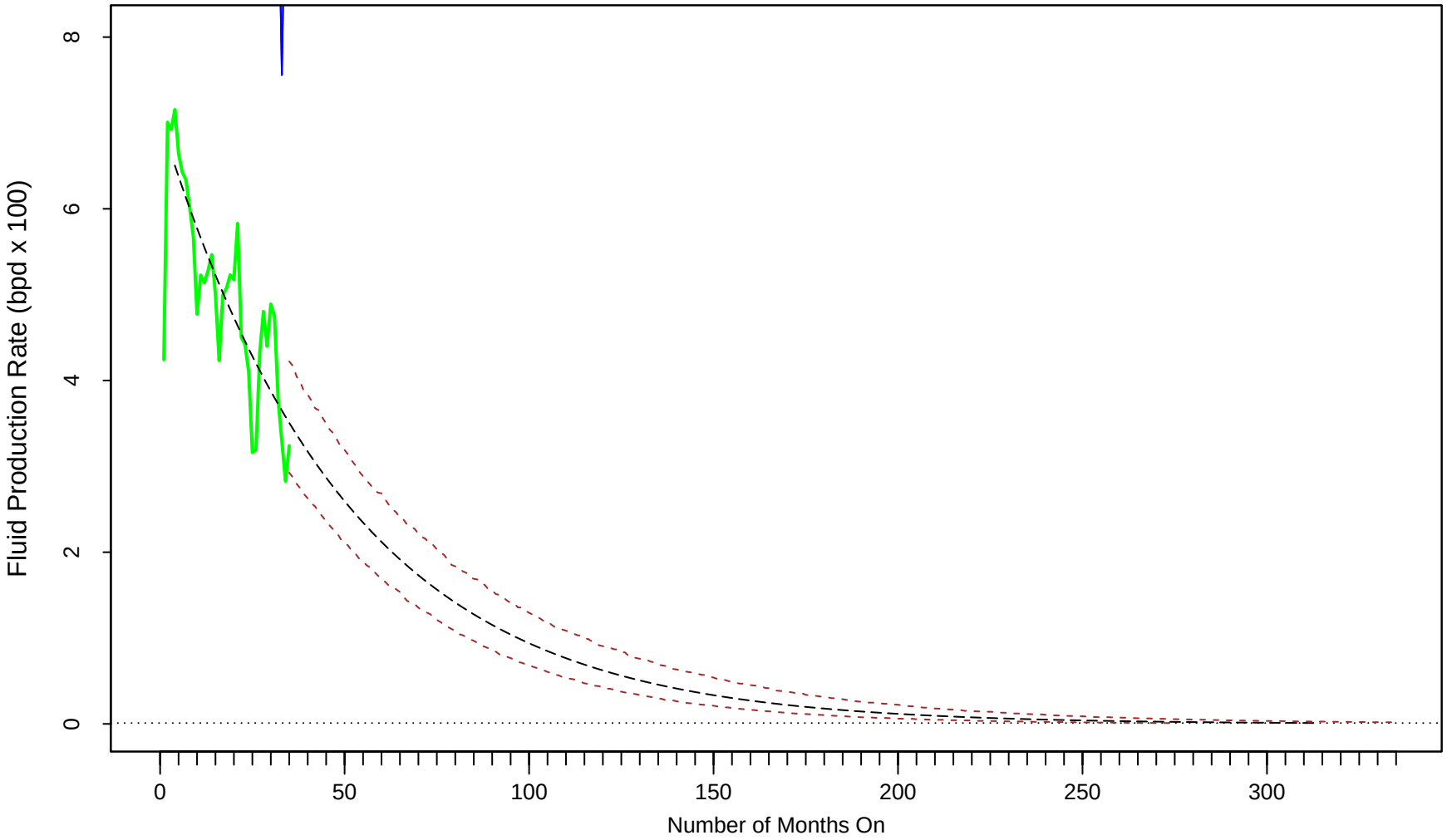
Exponential Decline Curve Analysis − Completion Interval

Field = GC205 ESA Comp. ID No. = 608115009900 S03 Complex ID = 67

Sand = NEB3L , Interval = 17,788 to 18,290 (MD), TOPTVD = −12,305 , Production from Dec 2017 to Oct 2020



Functional form: $y = 658e^{-0.01993(x-3)}Q(x)$ Analysis beginning at month 4

PValue = 1.716641e−08 $R^2 = 0.6590092$ $\hat{\sigma} = 0.1367078$ Abandon at 1 bpd Months left: 279

Estimated remaining (bbls): 522,341 10/90 Prediction interval: (393,446; 705,377)

Cumulative Oil (bbls) = 480,697 Water (bbls) = 1,223,932 Gas (Mcf) = 656,581

Unable to Predict Water Intake

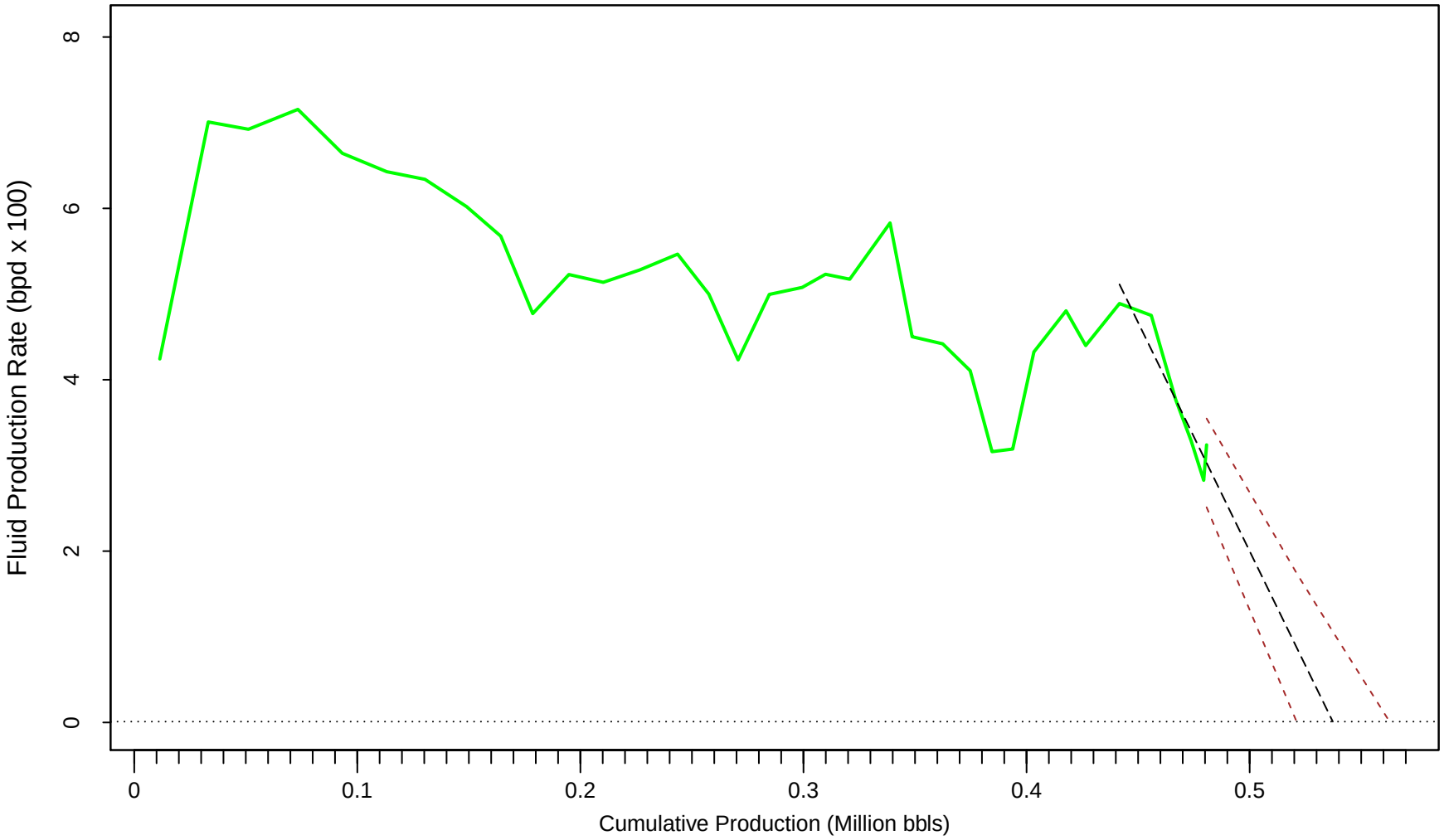
ESA

2022−03−18 17:29 PDT

Cumulative Decline Curve Analysis − Completion Interval

Field = GC205 ESA Comp. ID No. = 608115009900 S03 Complex ID = 67

Sand = NEB3L , Interval = 17,788 to 18,290 (MD), TOPTVD = −12,305 , Production from Dec 2017 to Oct 2020



Functional form: $y = -0.005337(x - 441661) + 511$ Structural break found at 441,661 bbls produced

PValue = 0.003414894 $R^2 = 0.906112$ $\hat{\sigma} = 29.12655$ Abandon at 1 bpd Months left: 35

Estimated remaining (bbls): 56,576 10/90 Prediction interval: (40,340; 82,006)

Cumulative Oil (bbls) = 480,697 Water (bbls) = 1,223,932 Gas (Mcf) = 656,581

Estimated water intake (bbls): 247,884 Estimated final water cut: 0.86

ESA

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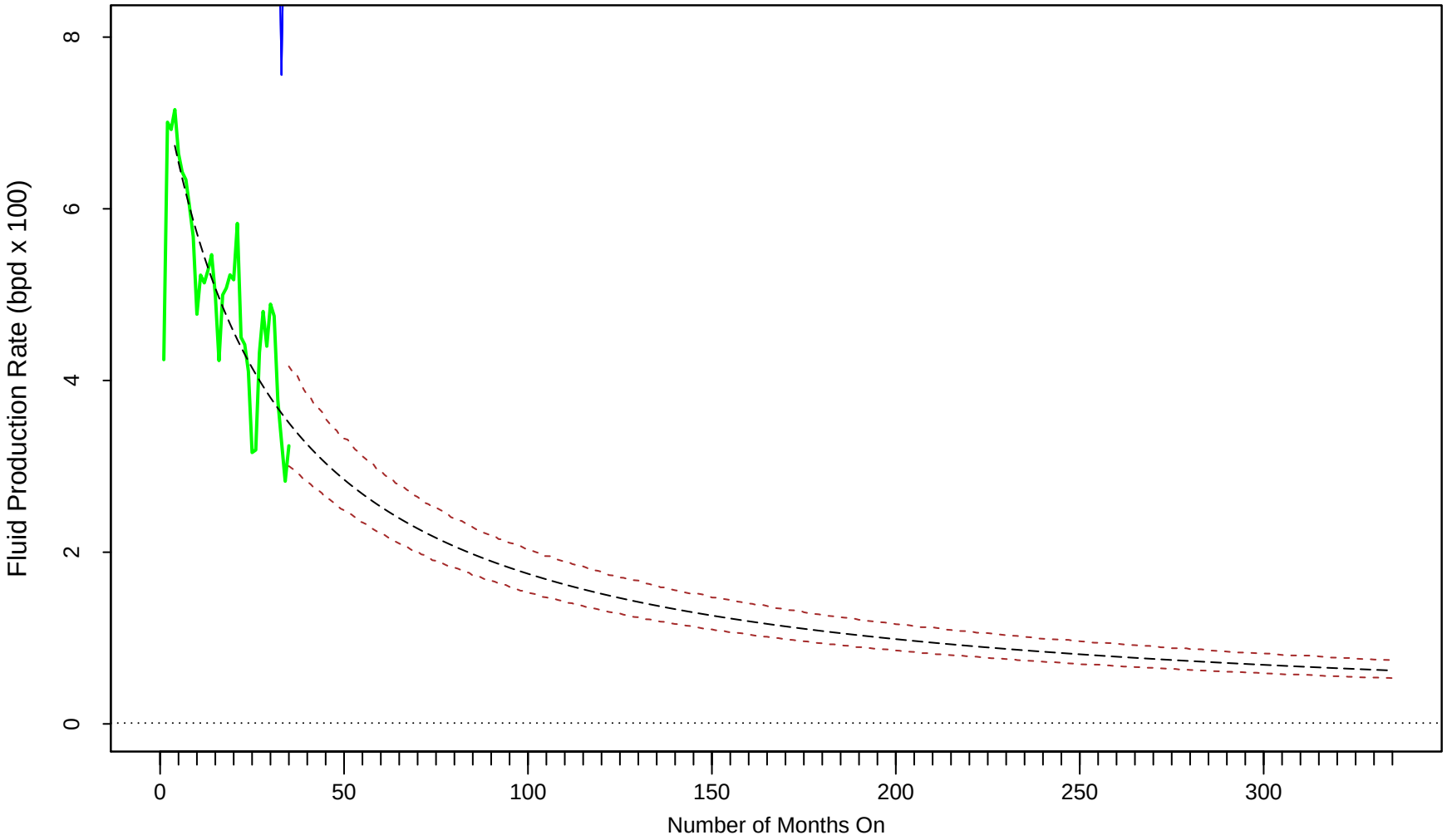
Harmonic Decline Curve Analysis − Completion Interval

Field = GC205 ESA Comp. ID No. = 608115009900 S03 Complex ID = 67

Sand = NEB3L , Interval = 17,788 to 18,290 (MD), TOPTVD = −12,305 , Production from Dec 2017 to Oct 2020



Functional form: $y = 694/(1+0.0306(x-3))$ Analysis beginning at month 4

PValue = 1.475005e−07 $R^2 = 0.6074054$ $\hat{\sigma} = 0.000338005$ Abandon at 62 bpd (target of 1 bpd) Months left: 300

Estimated remaining (bbls): 1,193,372 10/90 Prediction interval: (1,038,775; NA)

Cumulative Oil (bbls) = 480,697 Water (bbls) = 1,223,932 Gas (Mcf) = 656,581

2022−03−18 17:29 PDT

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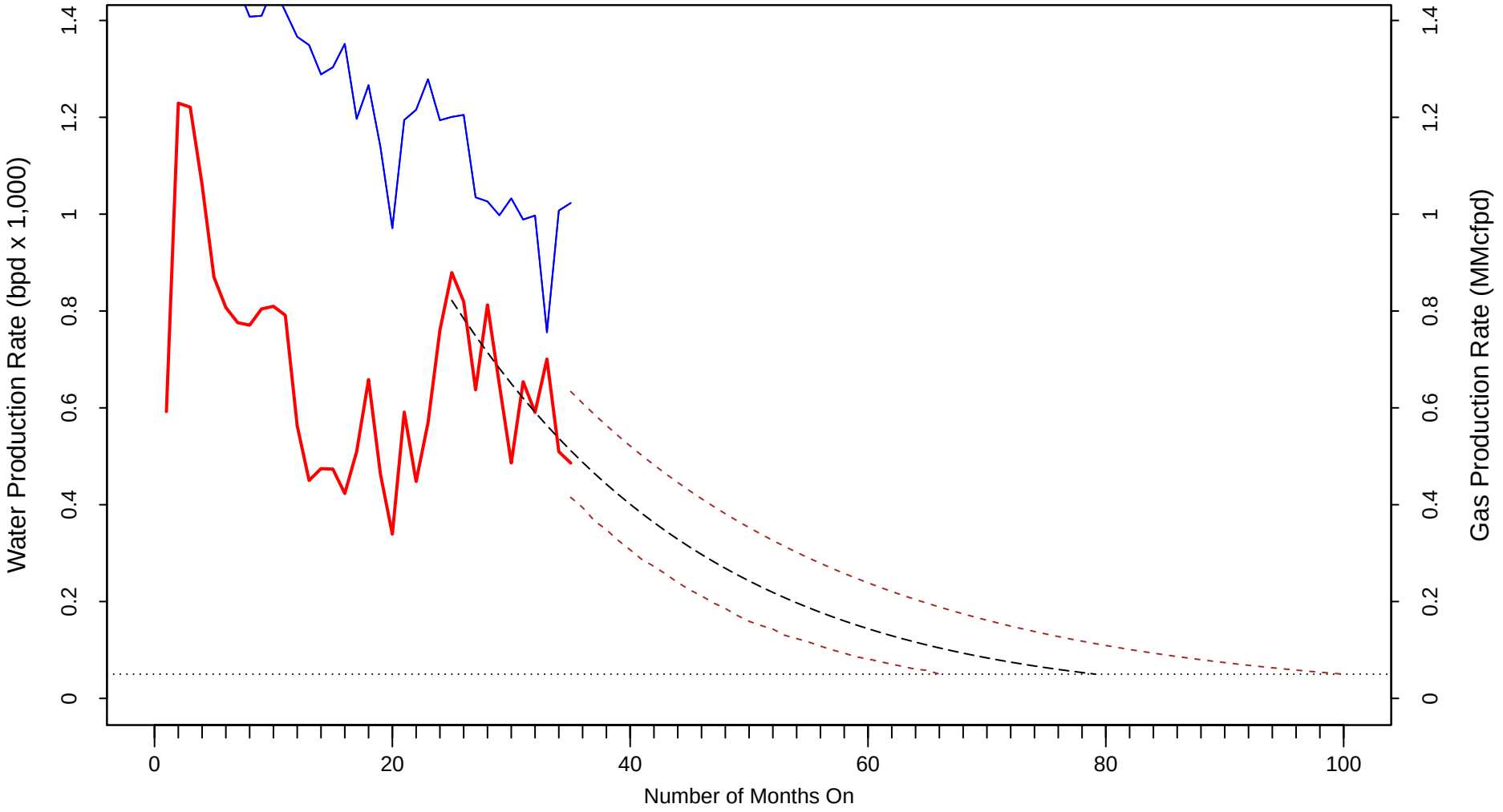
Exponential Decline Curve Analysis − Completion Interval

Field = GC205 ESA Comp. ID No. = 608115009900 S03 Complex ID = 67

Sand = NEB3L , Interval = 17,788 to 18,290 (MD), TOPTVD = −12,305 , Production from Dec 2017 to Oct 2020



Functional form: $y = 855e^{-0.04736(x-24)}Q(x)$ Structural break found at month 25

PValue = 0.007711218 $R^2 = 0.5641543$ $\hat{\sigma} = 0.1455323$ Abandon at 50 Mcfpd Months left: 44

Estimated remaining (Mcf): 274,811 10/90 Prediction interval: (171,644; 475,503)

Cumulative Oil (bbls) = 480,697 Water (bbls) = 1,223,932 Gas (Mcf) = 656,581

Unable to Predict Water Intake

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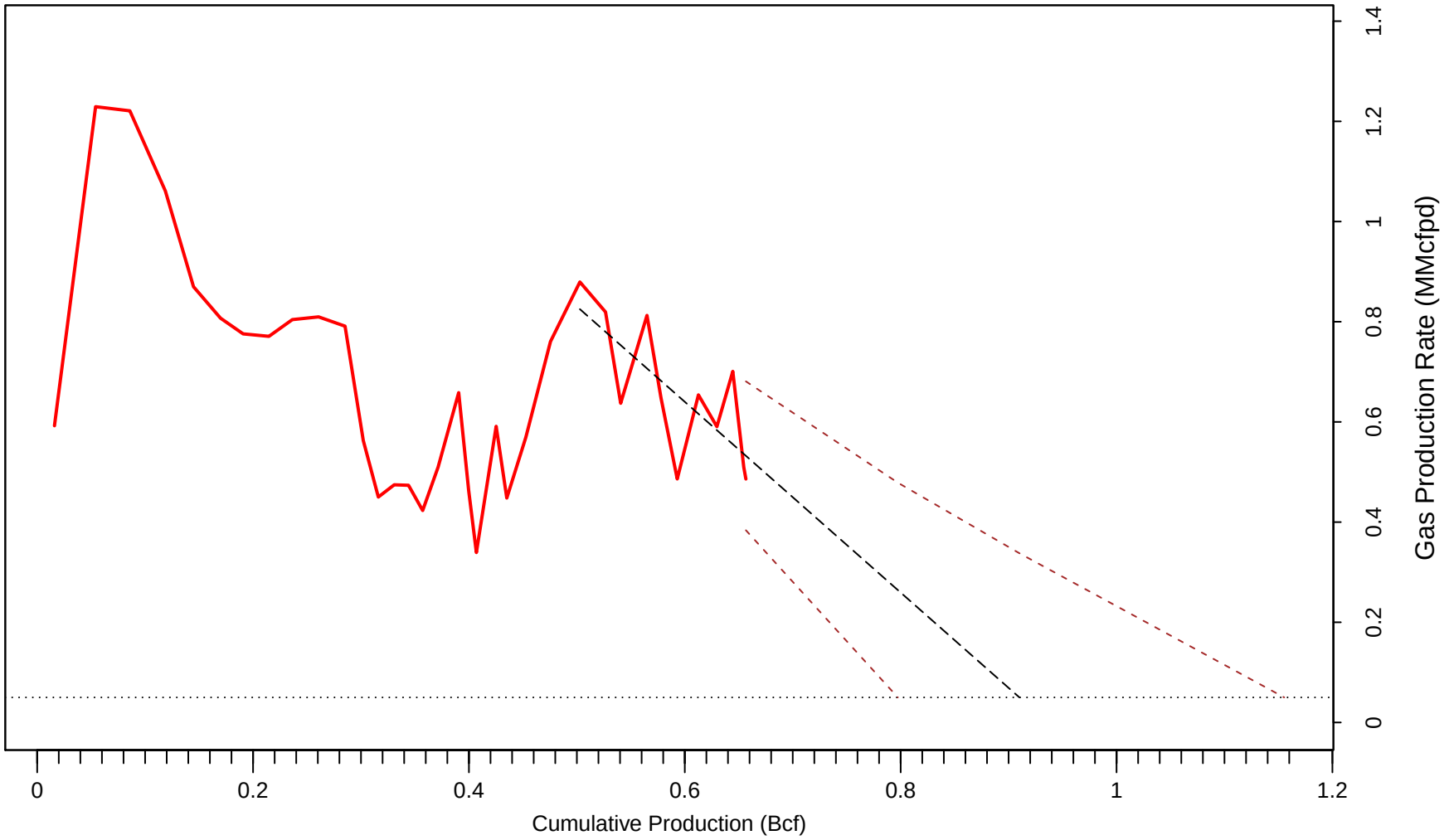
Cumulative Decline Curve Analysis − Completion Interval

Field = GC205 ESA Comp. ID No. = 608115009900 S03 Complex ID = 67

Sand = NEB3L , Interval = 17,788 to 18,290 (MD), TOPTVD = −12,305 , Production from Dec 2017 to Oct 2020



Functional form: $y = -0.001903(x - 502793) + 825$ Structural break found at 502,793 Mcf produced

PValue = 0.0087794 $R^2 = 0.5522003$ $\hat{\sigma} = 96.46365$ Abandon at 50 Mcfpd Months left: 41

Estimated remaining (Mcf): 253,402 10/90 Prediction interval: (140,791; 498,757)

Cumulative Oil (bbls) = 480,697 Water (bbls) = 1,223,932 Gas (Mcf) = 656,581

Unable to Predict Water Intake

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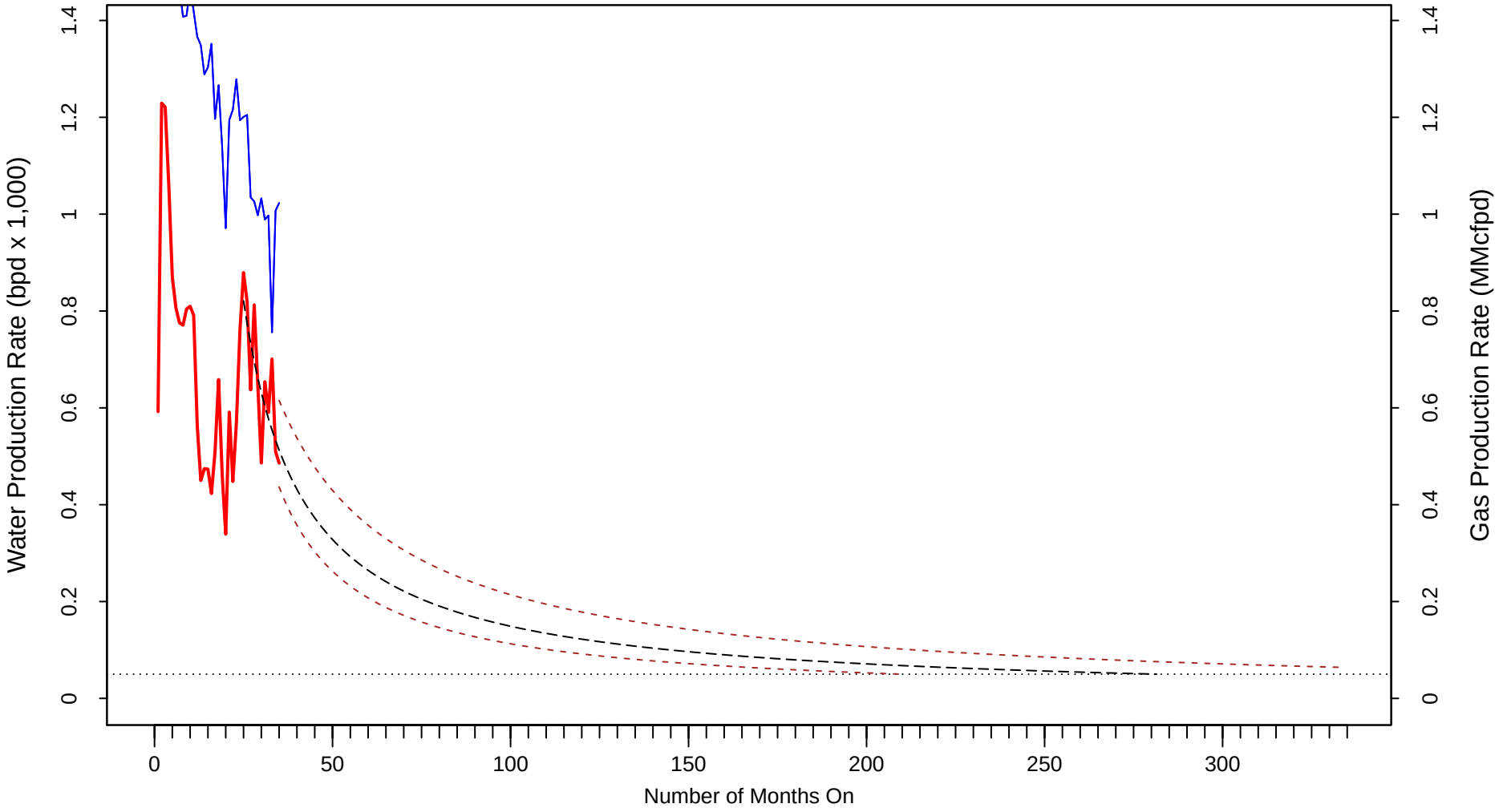
Harmonic Decline Curve Analysis − Completion Interval

Field = GC205 ESA Comp. ID No. = 608115009900 S03 Complex ID = 67

Sand = NEB3L , Interval = 17,788 to 18,290 (MD), TOPTVD = −12,305 , Production from Dec 2017 to Oct 2020



Functional form: $y = 873/(1 + 0.06397(x - 24))$ Structural break found at month 25

PValue = 0.009840913 $R^2 = 0.541441$ $\hat{\sigma} = 0.0002356354$ Abandon at 50 Mcfpd Months left: 246

Estimated remaining (Mcf): 966,841 10/90 Prediction interval: (661,605; 1,478,635)

Cumulative Oil (bbls) = 480,697 Water (bbls) = 1,223,932 Gas (Mcf) = 656,581

Unable to Predict Water Intake

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