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Form 3160-4
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2021

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Competion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing
Other: _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

8. Well Name and Well No.

3. Address

3a. Phone No. *(Include area code)*

9. API Well No.

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**
At surface

At top prod. interval reported below

At total depth

10. Field and Pool or Exploratory

11. Sec., T., R., M., on Block and Survey or Area

12. County or Parish

13. State

14. Date Spudded

15. Date T.D. Reached

16. Date Completed
☐ D & A ☐ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

18. Total Depth: MD
TVD

19. Plug Back T.D.: MD
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☐ No ☐ Yes (Submit analysis)
Was DST run? ☐ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☐ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Dept Set (MD)	Packer Dept (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

Formation	Top	Bottom
A)		
B)		
C)		
D)		

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org when required by state or federal regulation

Depth Interval	Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org as applicable

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

*(See instructions and spaces for additional data on page 2)

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API.	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth

32. Additional remarks (include plugging procedure).

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* _____ Title _____

Signature _____ Date _____

Title 18 U.S C. Section 1001 and Title 43 U.S C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wells on Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.
ITEM 4: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.
ITEM 17: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
ITEM 23: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

NOTICES

The Privacy Act of 1974 and the regulation in 43 CFR 2.48 (d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. et seq.; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.
ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.
EFFECT OF NOT PROVIDING INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.
This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.
Response to this request is mandatory only if the operator elects to initiate drilling and completing/recompleting operations on an oil and gas lease.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Mail Stop 401 LS, Washington, D.C. 20240.

Additional Information
Location information: 00S1

SHL: NENE / 200 FNL / 400 FEL / TWSP: 24S / RNG: 32E / SEC: 10 / LAT: 32.2394002 / LONG: -103.6539536
PPP: NENE / 496 FNL / 332 FEL / TWSP: 24S / RNG: 32E / SEC: 10 / LAT: 32.2380278 / LONG: -103.655041
BHL: SENE / 2522 FNL / 307 FEL / TWSP: 24S / RNG: 32E / SEC: 15 / LAT: 32.2179051 / LONG: -103.6549562

Summary of Porous Zones Information:

Formation: BONE SPRING 3RD, Descriptions, Contents, etc: null, Bottom: 11805

Attachments: 00S1

Log Attachments:
1) CBL_MODELO_10_FED_COM_501H_20220808101807.pdf
2) LOG_Modelo_10_Fed_Com_501H_5_MD_20220808101827.pdf
3) C_102_MODELO_10_FED_COM_501H_PLAT_20220808101838.pdf
4) Modelo_10_Fed_Com_501H_Final_OH_Survey_20220808101853.pdf
5) Modelo_10_Fed_Com_501H_Final_PVA_20220808101909.pdf

Company	Petroleum Development Oman LLC		
Well	Nimr-1		
Field	Nimr		
Location	Sultanate of Oman		
Date	2-Jun-2011		
Log Type	Cement Bond Log		
Run No.	1		
Depth Reference	Kelly Bushing		
Elevation	0 m		
Permanent Datum	Ground Level		
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Casing Shoe	1500.0 m		
Bottom Log Interval	1500.0 m		
Top Log Interval	0.0 m		
Casing Size	9 5/8 in		
Casing Weight	47 lb/ft		
Casing Grade	N80		
Casing Thickness	0.472 in		
Casing Collar Type	Coupling		
Casing Collar Length	0.3 m		
Casing Collar Offset	0.0 m		
Casing Collar Depth	1500.0 m		
Casing Collar Thickness	0.472 in		
Casing Collar Weight	47 lb/ft		
Casing Collar Grade	N80

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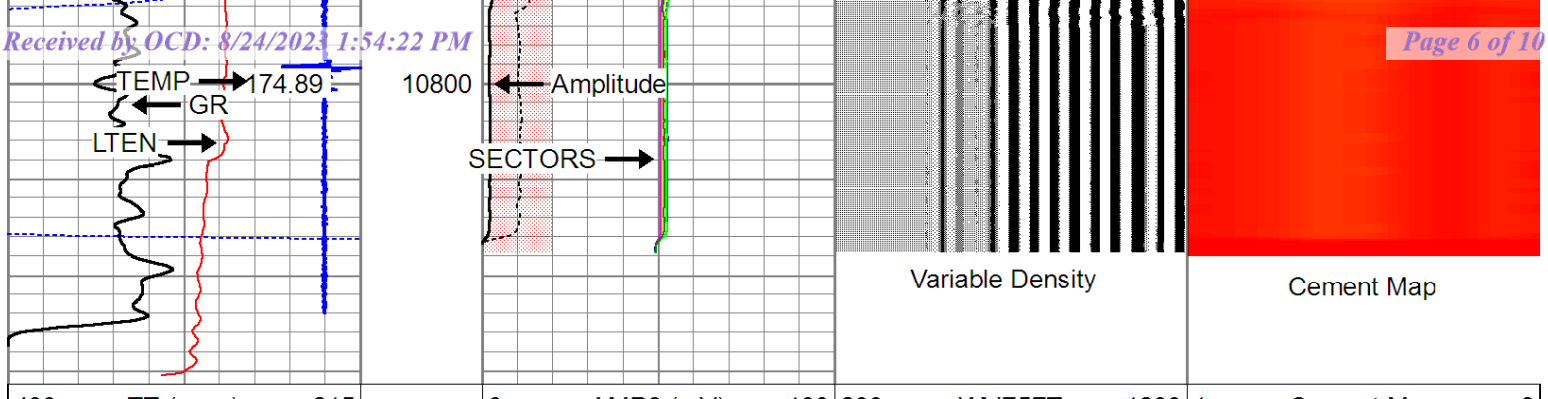


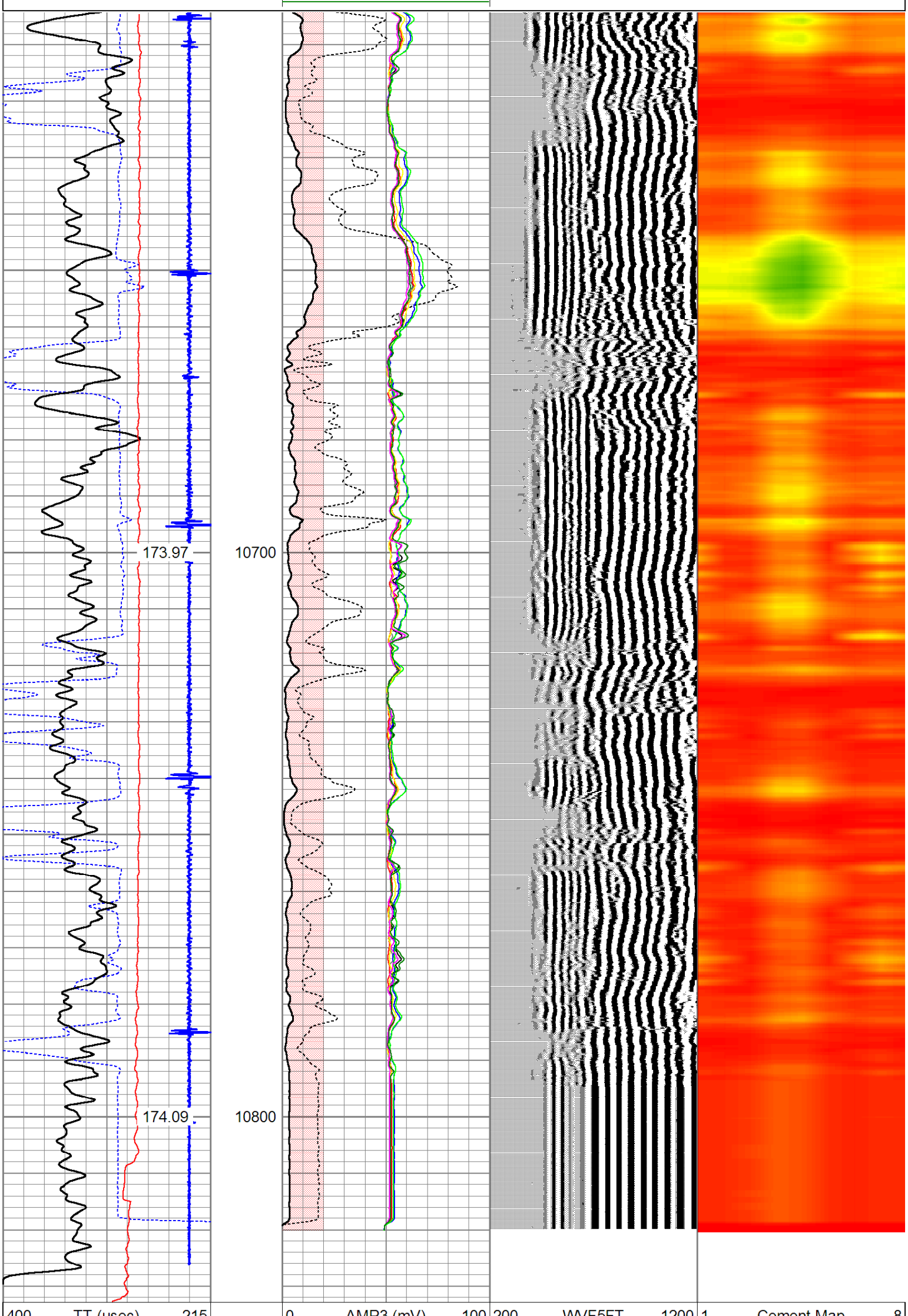
400	TT (usec)	215	0	AMP3 (mV)	100	200	WVF5FT	1200	1	Cement Map	8
9	CCL	-1		AMPLIFIED AMP3							
0	GR (GAPI)	150	0	(mV)	20						
0	LTEN (lb)	3000	-100	AMPS1	100						
150	GR (GAPI) (GAPI)	300	-100	AMPS2	100						
	TEMP		-100	AMPS3	100						
	(degF)		-100	AMPS4	100						
			-100	AMPS5	100						
			-100	AMPS6	100						
			-100	AMPS7	100						
			-100	AMPS8	100						

BC Services
CASED HOLE SERVICES
830-393-4888

Repeat Pass 0 PSI

Database File:	9-5-18-1.db
Dataset Pathname:	pass6
Presentation Format:	scbl02
Dataset Creation:	Wed Aug 22 15:08:31 2018 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

400	TT (usec)	215	0	AMP3 (mV)	100	200	WVF5FT	1200	1	Cement Map	8
9	CCL	-1		AMPLIFIED AMP3							
0	GR (GAPI)	150	0	(mV)	20						
0	LTEN (lb)	3000	-100	AMPS1	100						
150	GR (GAPI) (GAPI)	300	-100	AMPS2	100						
	TEMP		-100	AMPS3	100						
	(degF)		-100	AMPS4	100						
			-100	AMPS5	100						
			-100	AMPS6	100						
			-100	AMPS7	100						
			-100	AMPS8	100						



400	TT (usec)	215	0	AMP3 (mV)	100	200	WVF5FT	1200	1	Cement Map	8
9	CCL	-1		AMPLIFIED AMP3							
0	GR (GAPI)	150	0	(mV)	20						
0	LTEN (lb)	3000	-100	AMPS1	100						
150	GR (GAPI) (GAPI)	300	-100	AMPS2	100						
	TEMP		-100	AMPS3	100						
	(degF)		-100	AMPS4	100						
			-100	AMPS5	100						
			-100	AMPS6	100						
			-100	AMPS7	100						
			-100	AMPS8	100						

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Modelo 10 Fed Com #501H

MD
5":100'

Company: EOG Resources, Inc
Well Name: Modelo 10 Fed Com #501H
API: 30-025-44616
County/Parish: Lea County
State: New Mexico
Country: USA
Job number: M-2018-137-TRDT-NM
Field: North Red Hills
Rig Id: H&P 653
Survey Company: Driltech, LLC
MWD Operator Raymond Horton (7/30/18 - 9/1/18)
MWD Operator Derik Clausnitzer (7/30/18 - 8/12/18)
MWD Operator Chris Burk (8/12/18 - 8/22/18)
MWD Operator Randy Marshall (8/22/18 - 9/1/18)

Log measurements: Feet
Depth measured from: 0 ft
Maximum temperature: 186.8

	Depth	Date
Start:	120 ft	7/30/18
End:	17970 ft	9/1/18

Casing	Depth	Size
Surface:	1306 ft	13 3/8"
Intermediate:	6533 ft	9 5/8"
Intermediate2:	11709 ft	7 5/8"

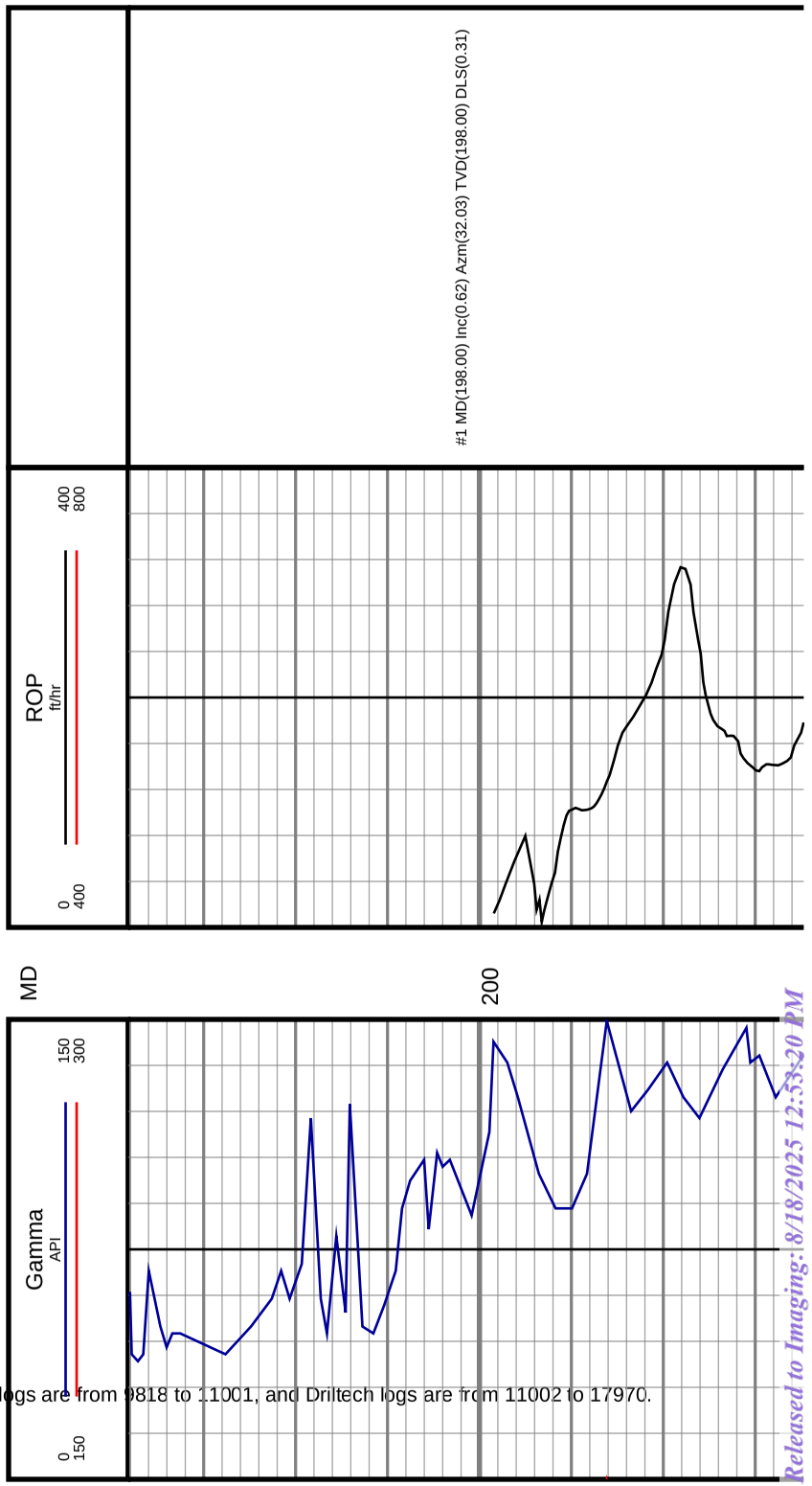
Mud Type: Oil Base Mud
Density: 9
Viscosity: 57
Rm: **Rmf:** **Rmc:**

Elevations	
KB:	3662 ft
GL:	3637 ft
DF:	25 ft

Run	Bit Size	Offsets Gamma	Offsets Survey	Depths Start	Depths End	Dates Start	Dates End
1	17 1/2"	45.00 ft	62.00 ft	120 ft	1320 ft	7/30/18	7/31/18
2	12 1/4"	53.00 ft	68.00 ft	1320 ft	5296 ft	7/31/18	8/3/18
3	12 1/4"	53.00 ft	68.00 ft	5296 ft	5933 ft	8/3/18	8/3/18
4	12 1/4"	45.00 ft	59.00 ft	5933 ft	6607 ft	8/7/18	8/8/18
5	8 3/4"	50.00 ft	64.00 ft	6607 ft	9530 ft	8/10/18	8/12/18
6	8 3/4"	51.00 ft	65.00 ft	9530 ft	11709 ft	8/12/18	8/13/18
7	6 3/4"	49.00 ft	59.00 ft	11709 ft	13050 ft	8/17/18	8/18/18
8	6 3/4"	55.00 ft	64.00 ft	11001 ft	15095 ft	8/25/18	8/29/18
9	6 3/4"	55.00 ft	64.00 ft	15095 ft	17970 ft	8/29/18	9/1/18
10							

Log was spliced in from previous pilot hole job and Gyro Data logs from curve. Driltech logs are from 161 to 9817, Gyro Data logs are from 9818 to 11001, and Driltech logs are from 11002 to 17970.

Driltech, LLC uses its best efforts to provide its customers with accurate information and interpretations in conjunction with services performed but will not be held liable or responsible for the accuracy of such information or interpretation.



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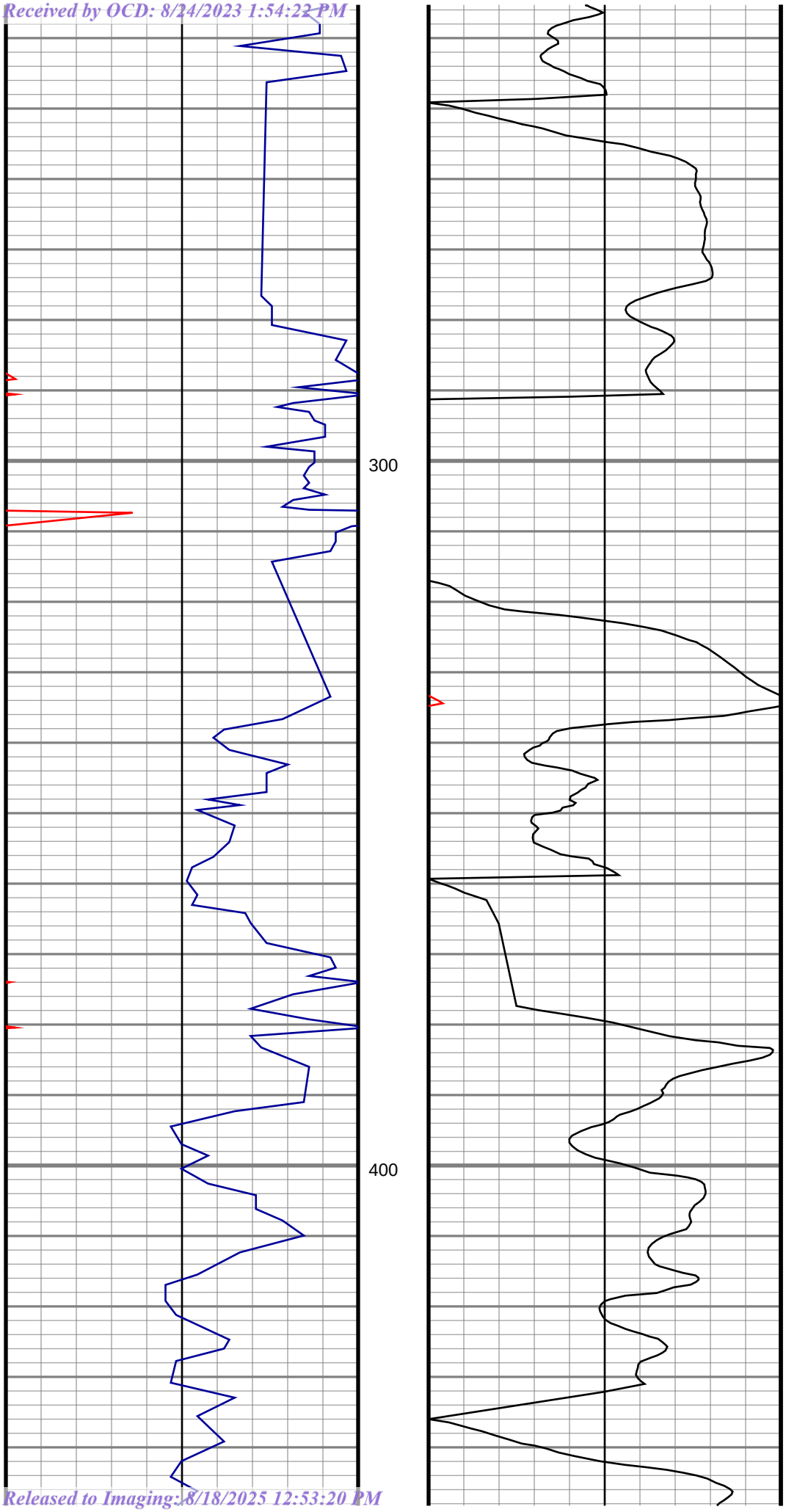

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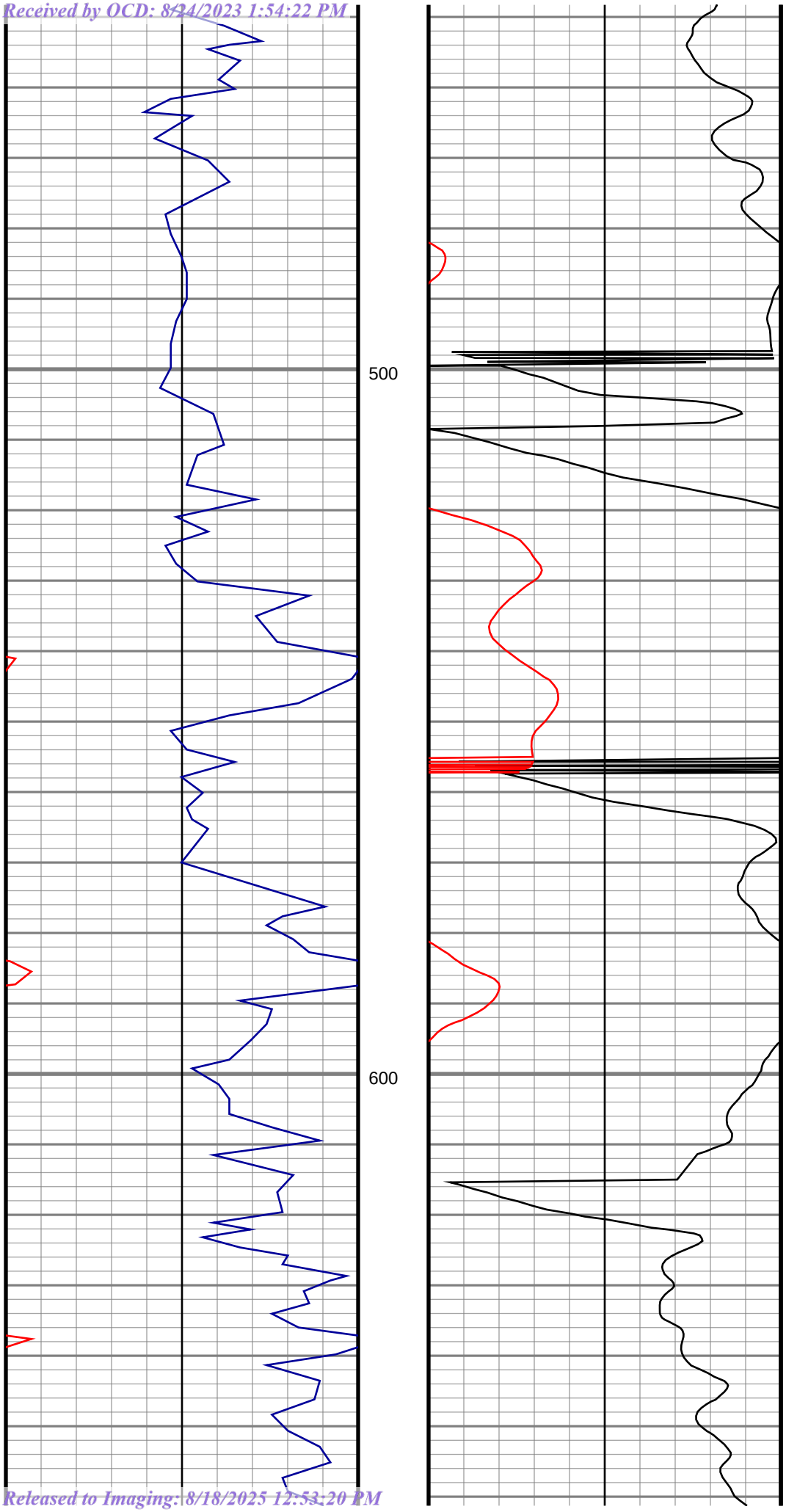
#3 MD(315.00) Inc(0.62) Azm(352.83) TVD(314.99) DLS(0.32)

#4 MD(374.00) Inc(0.70) Azm(328.13) TVD(373.99) DLS(0.50)

#5 MD(434.00) Inc(0.70) Azm(1.35) TVD(433.98) DLS(0.67)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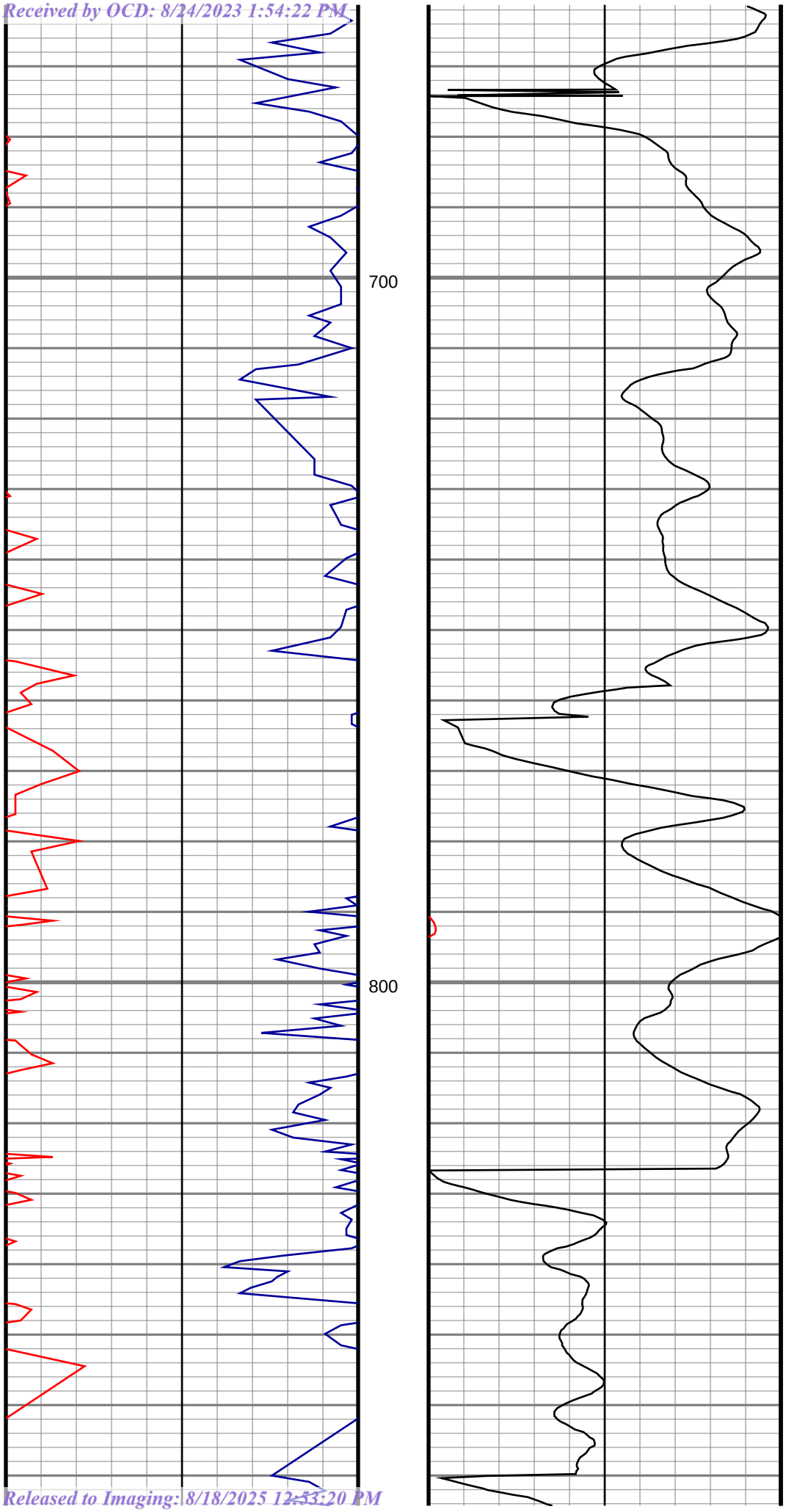
#7 MD(553.00) Inc(0.18) Azm(239.71) TVD(552.98) DLS(1.11)
#8 MD(611.00) Inc(0.44) Azm(243.84) TVD(610.98) DLS(0.45)



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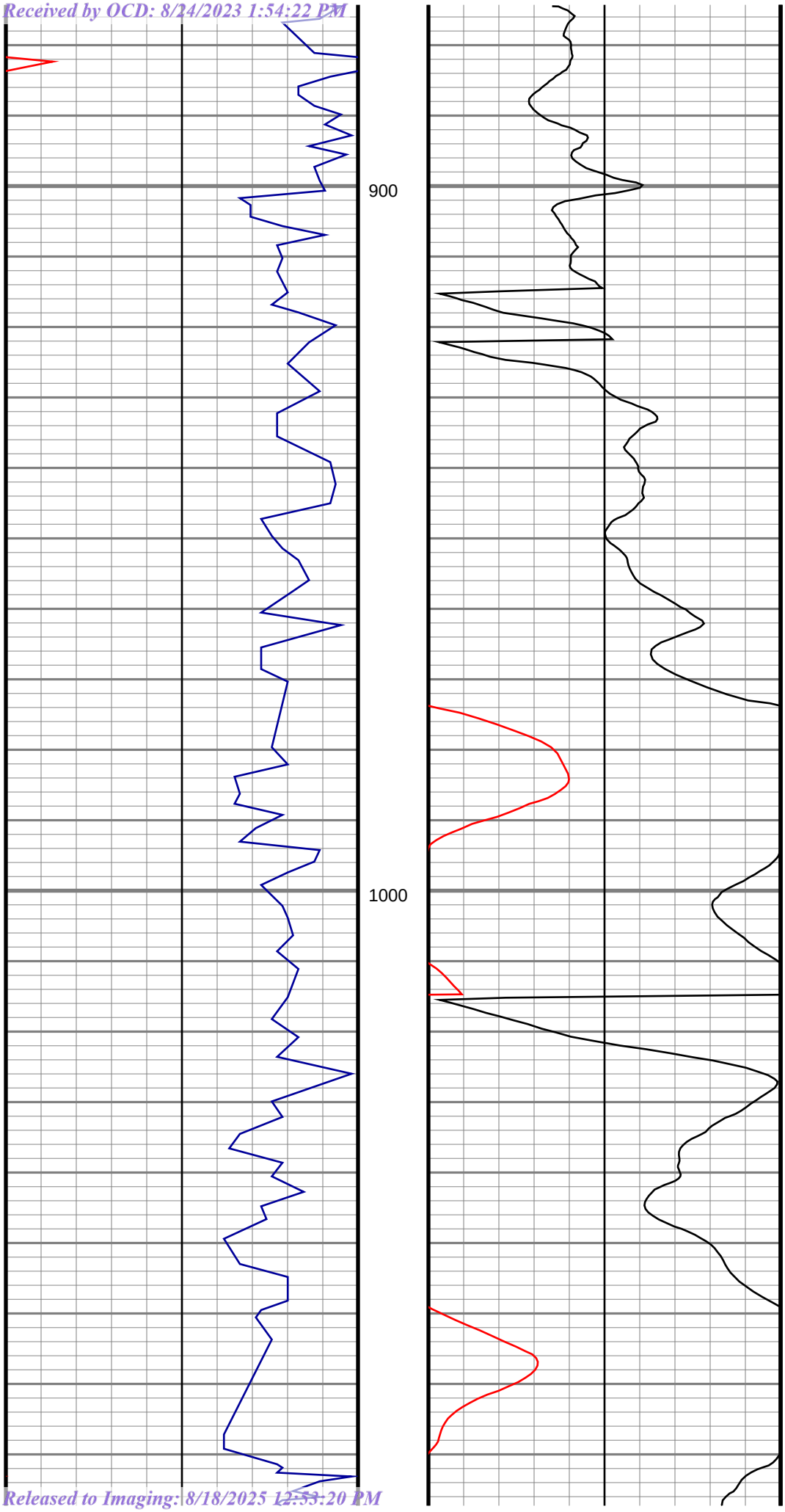
#11 MD(861.00) Inc(0.70) Azm(259.14) TVD(860.96) DLS(0.27)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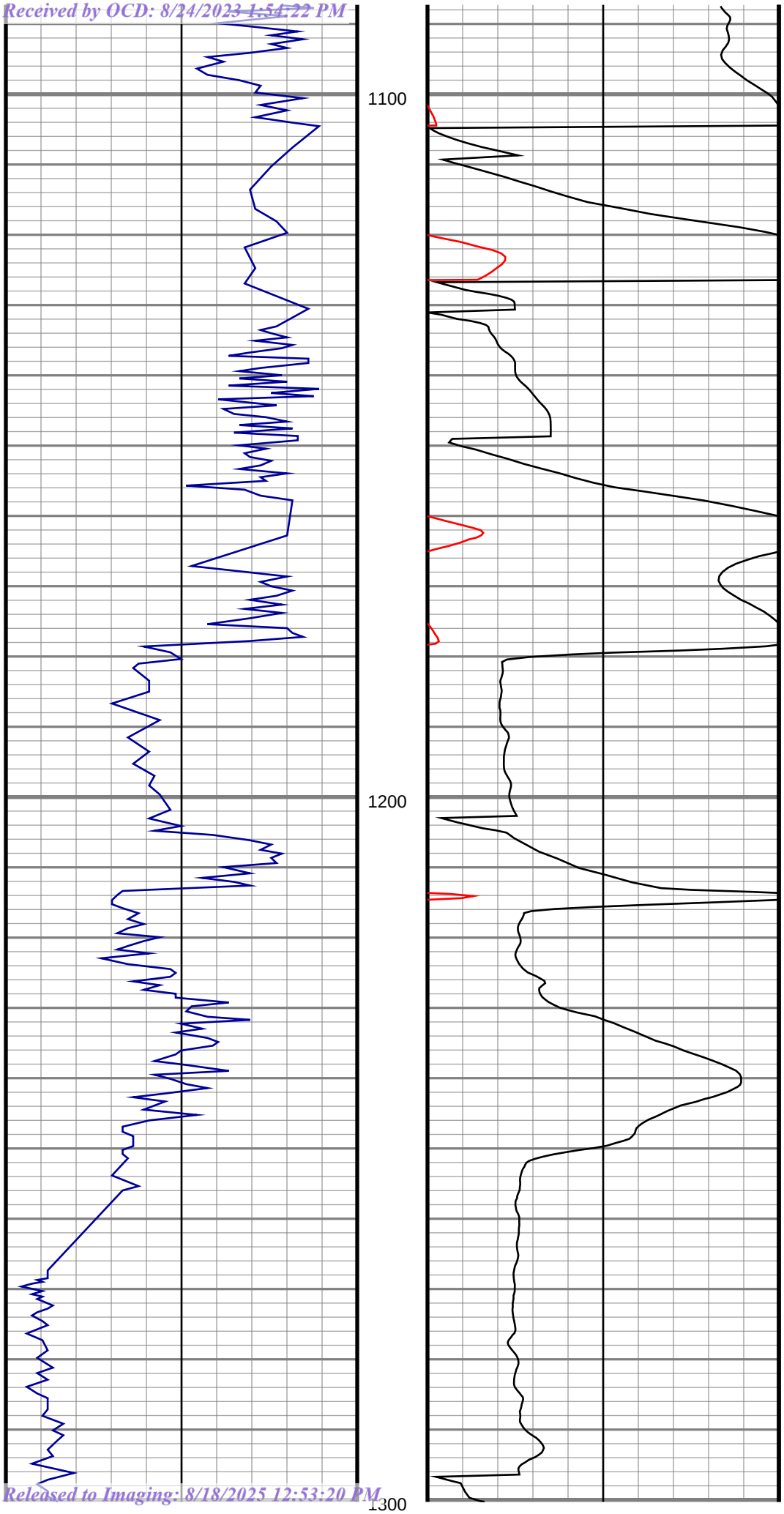
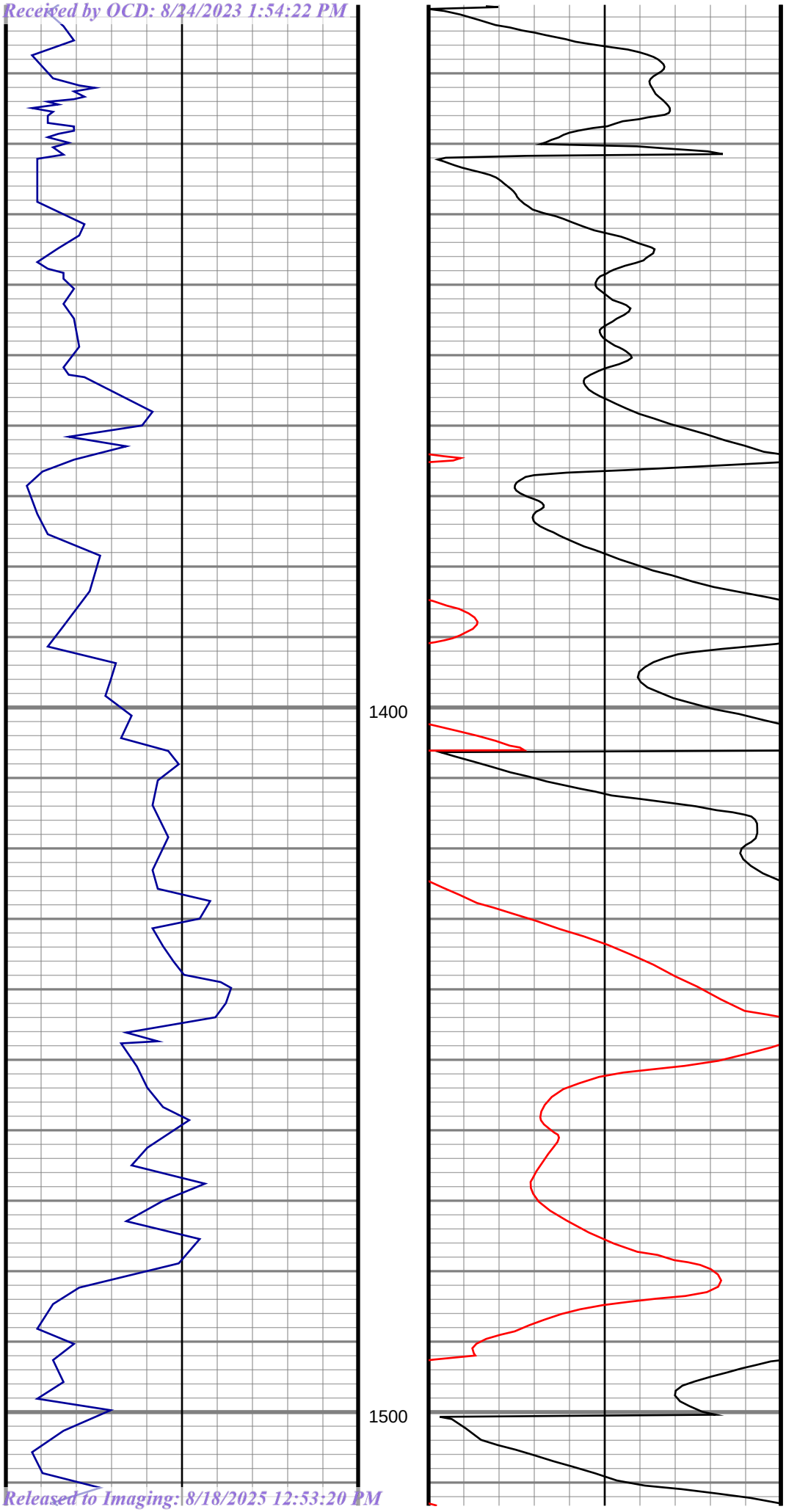


#14 MD(1143.00) Inc(1.49) Azm(224.33) TVD(1142.88) DLS(1.18)

#15 MD(1258.00) Inc(1.14) Azm(187.68) TVD(1257.85) DLS(0.77)



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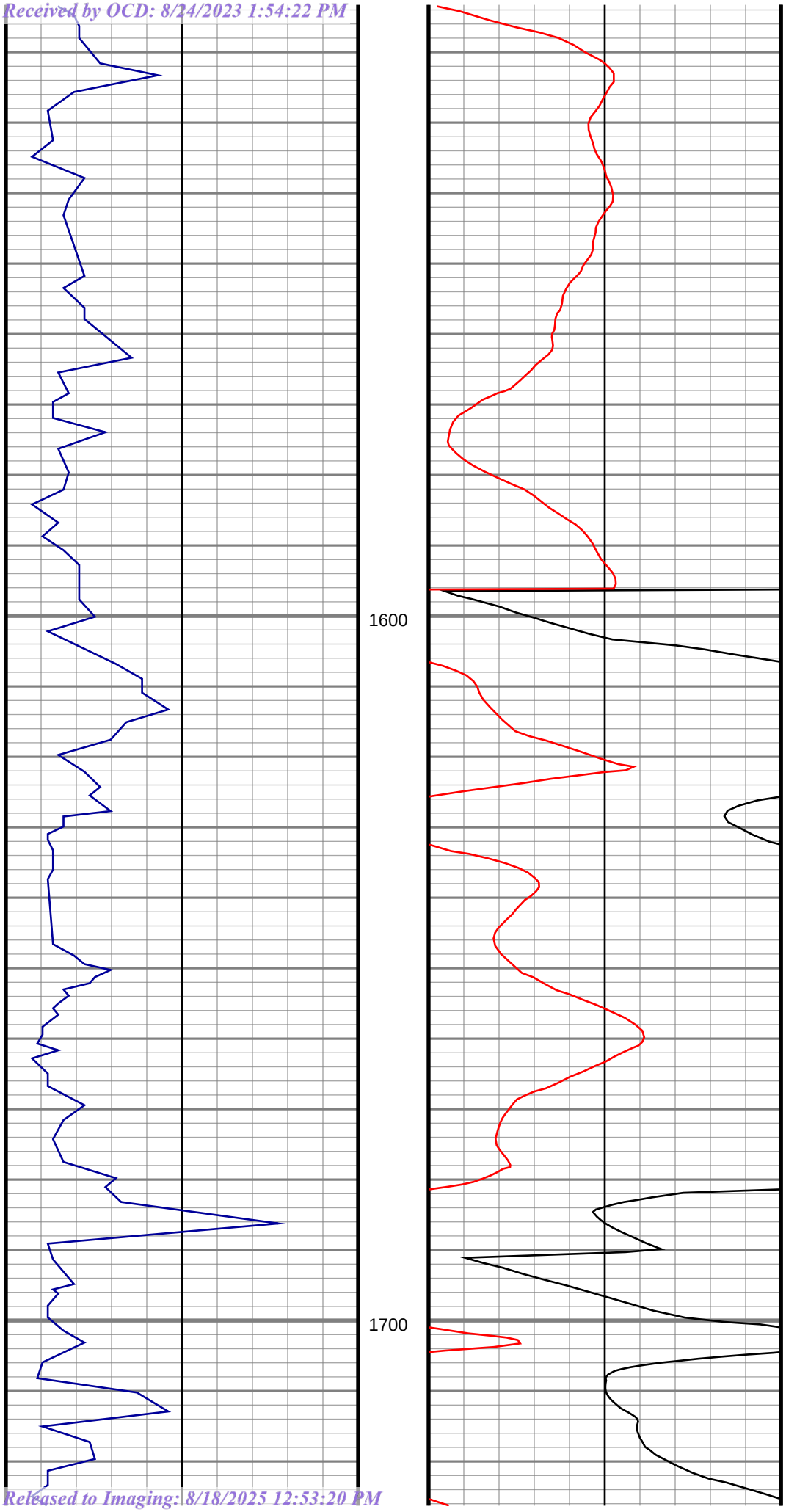
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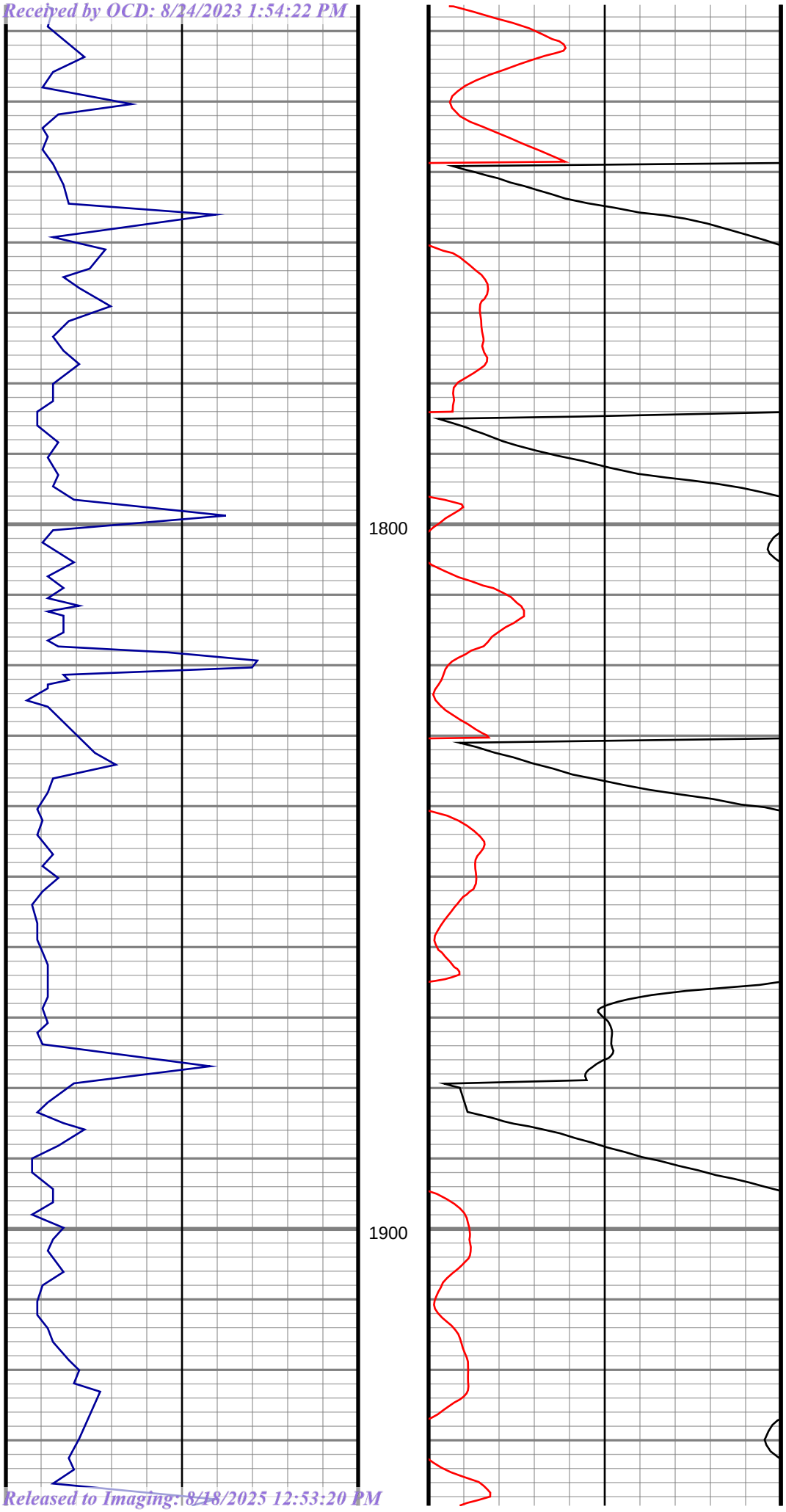

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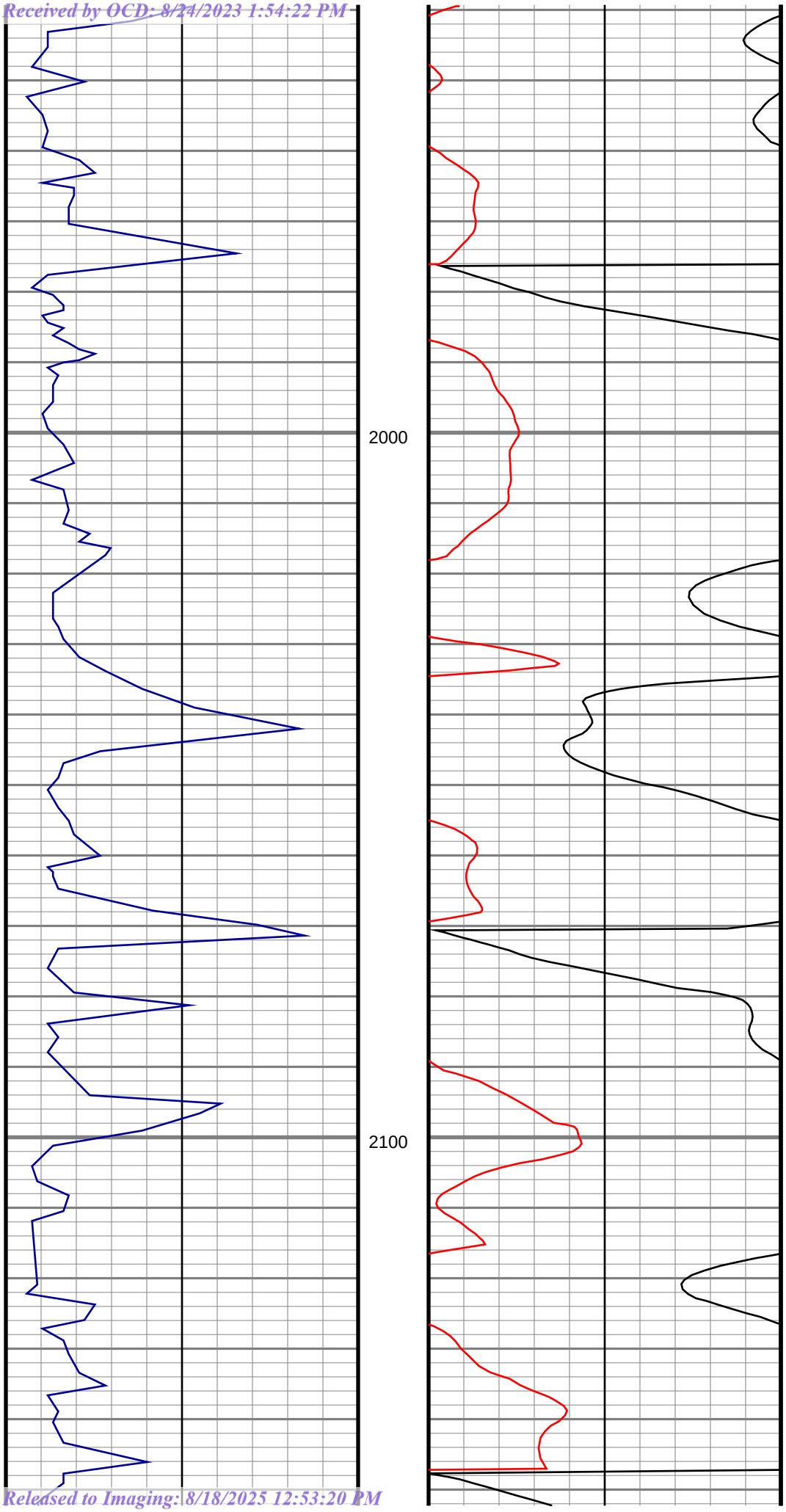

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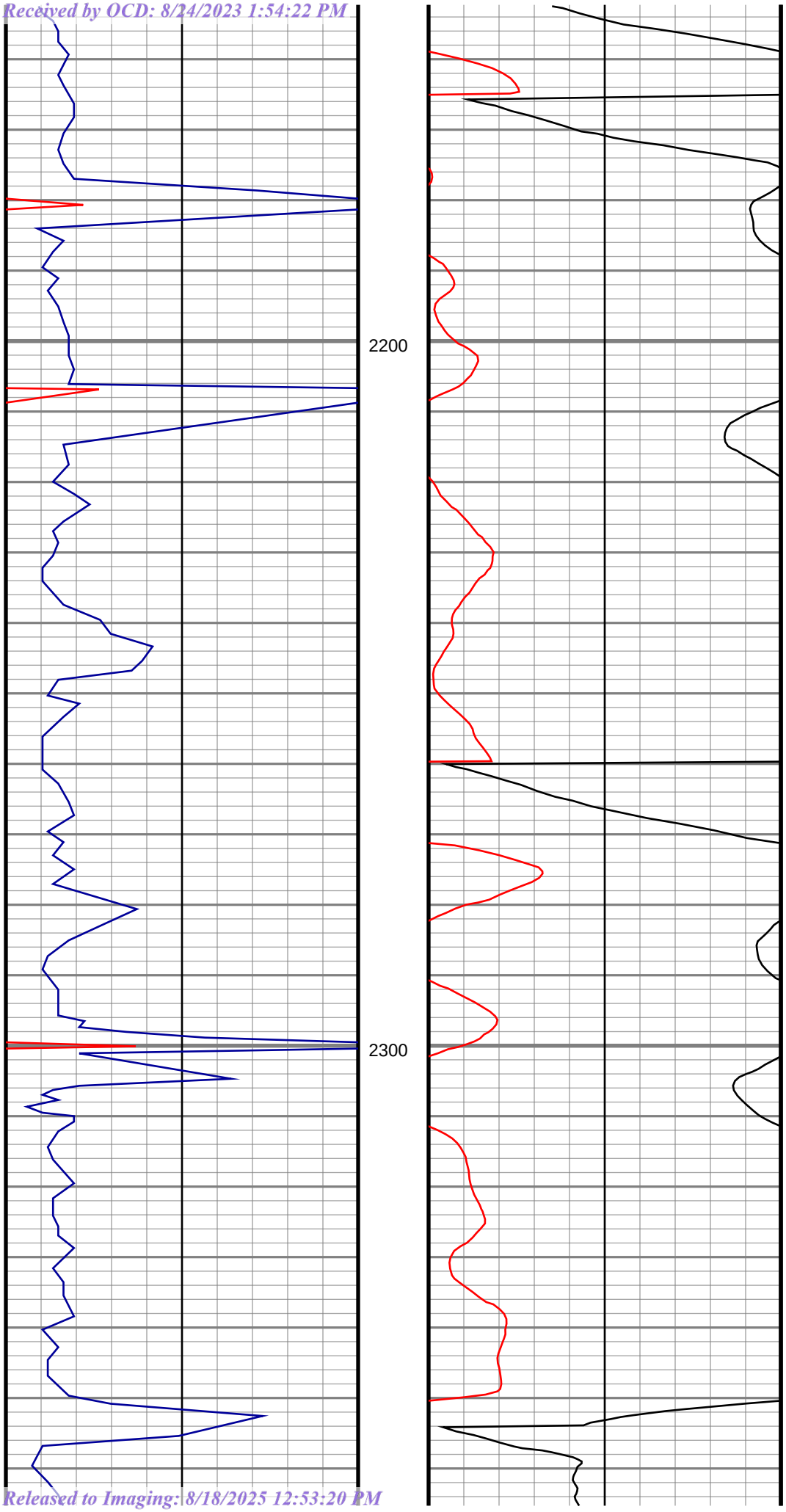

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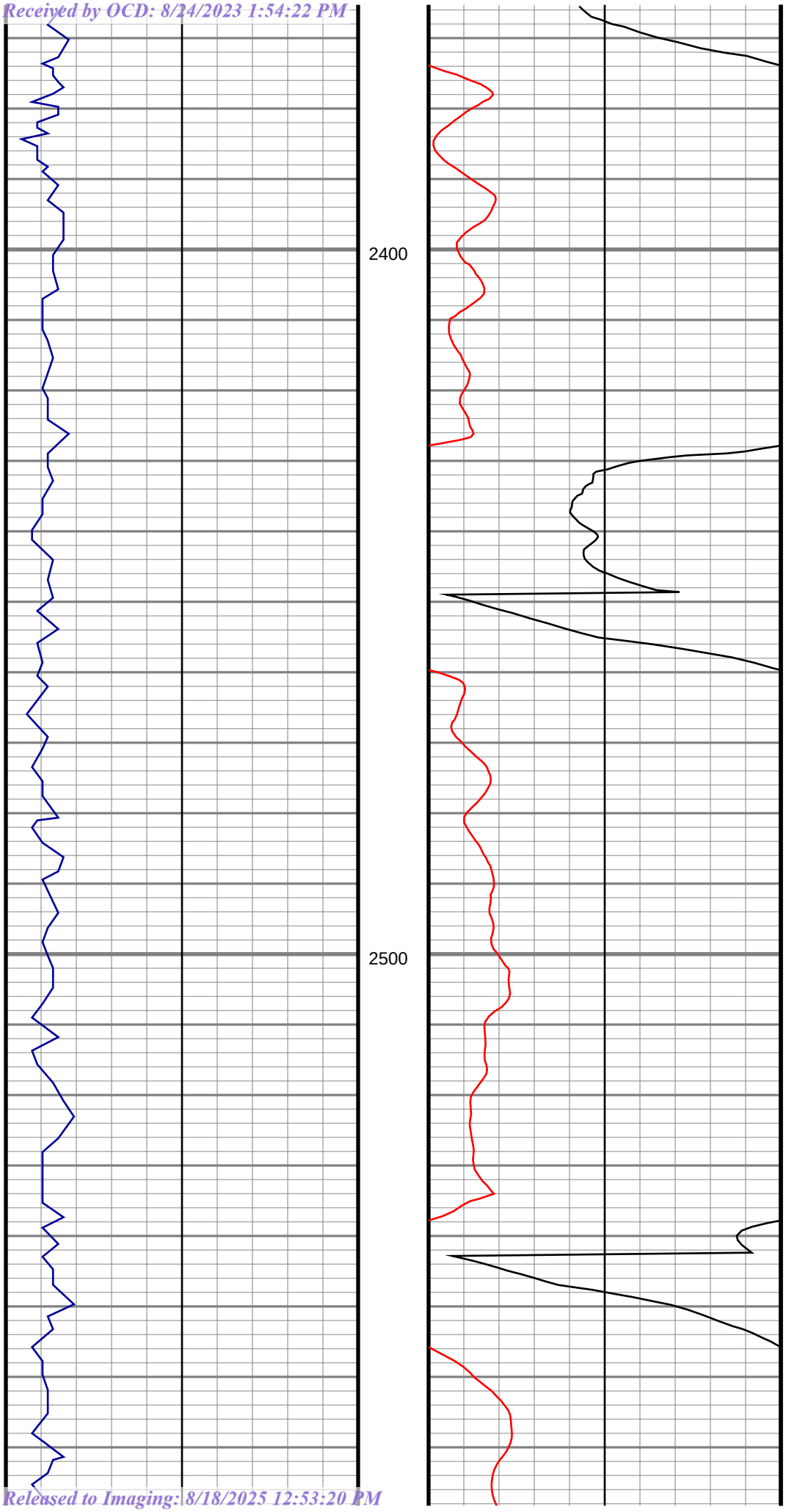

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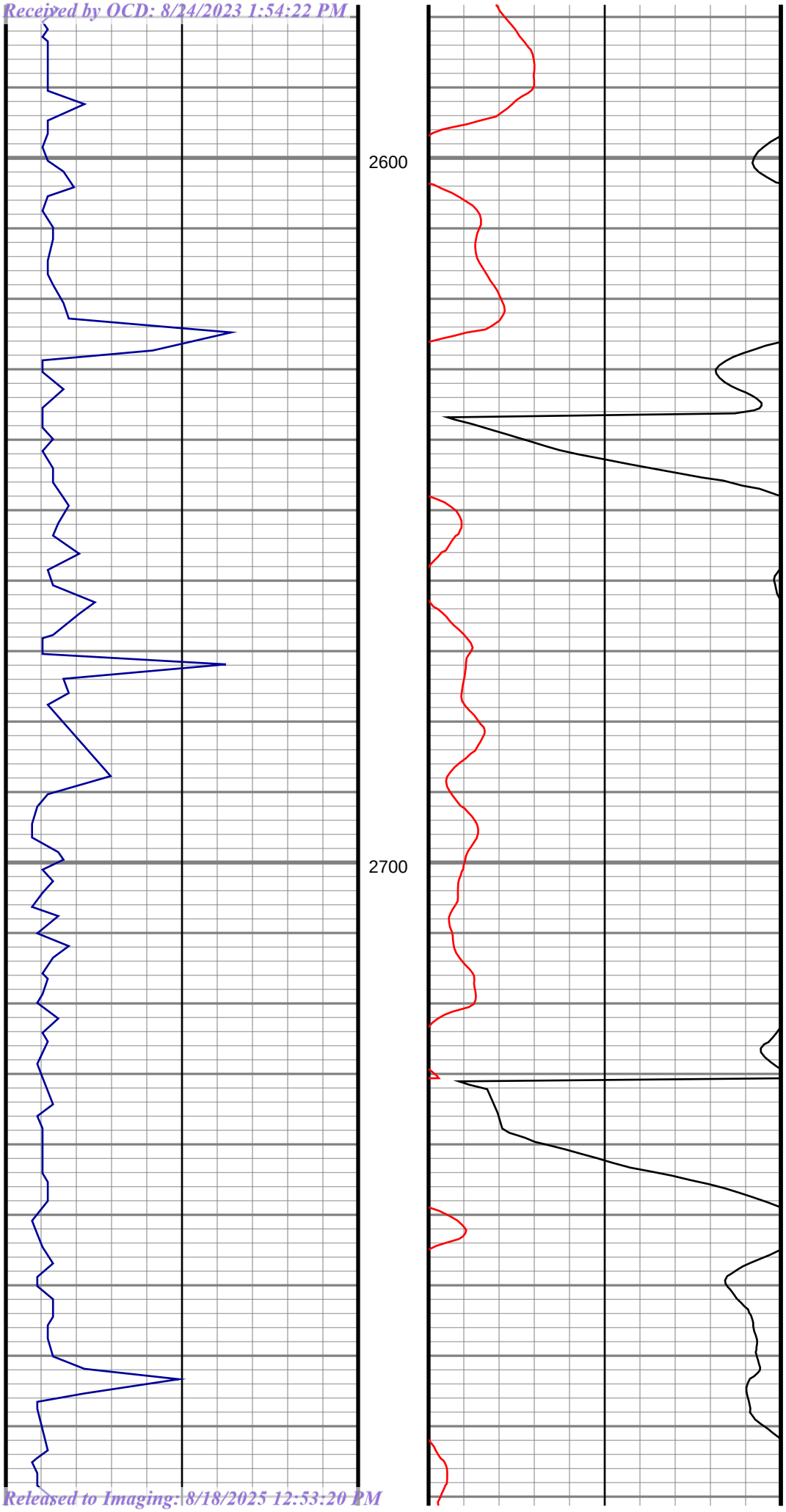
#29 MD(2572.00) Inc(0.79) Azm(84.85) TVD(2571.79) DLS(0.53)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DLS(0.37)
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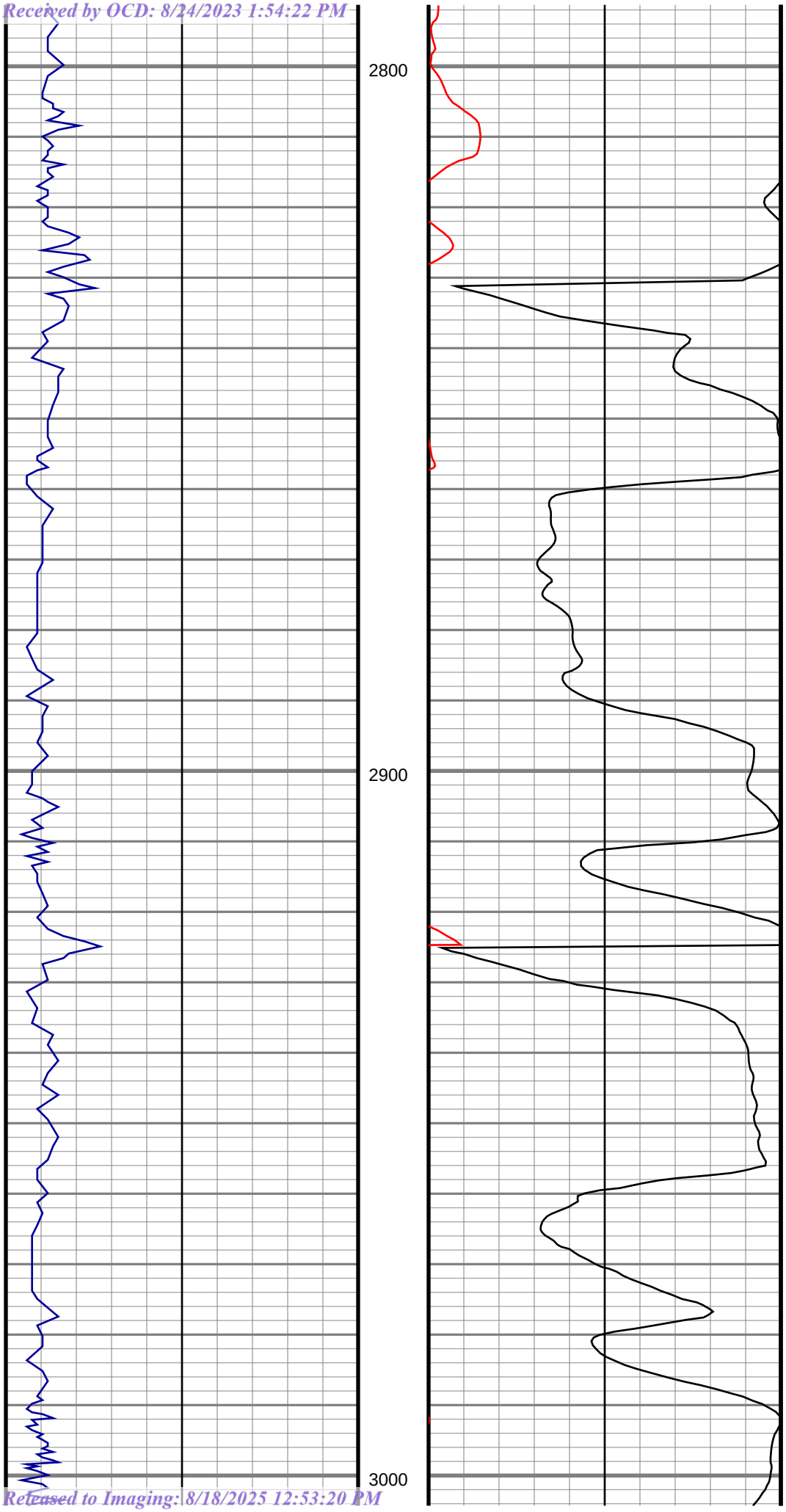
DLS(0.67)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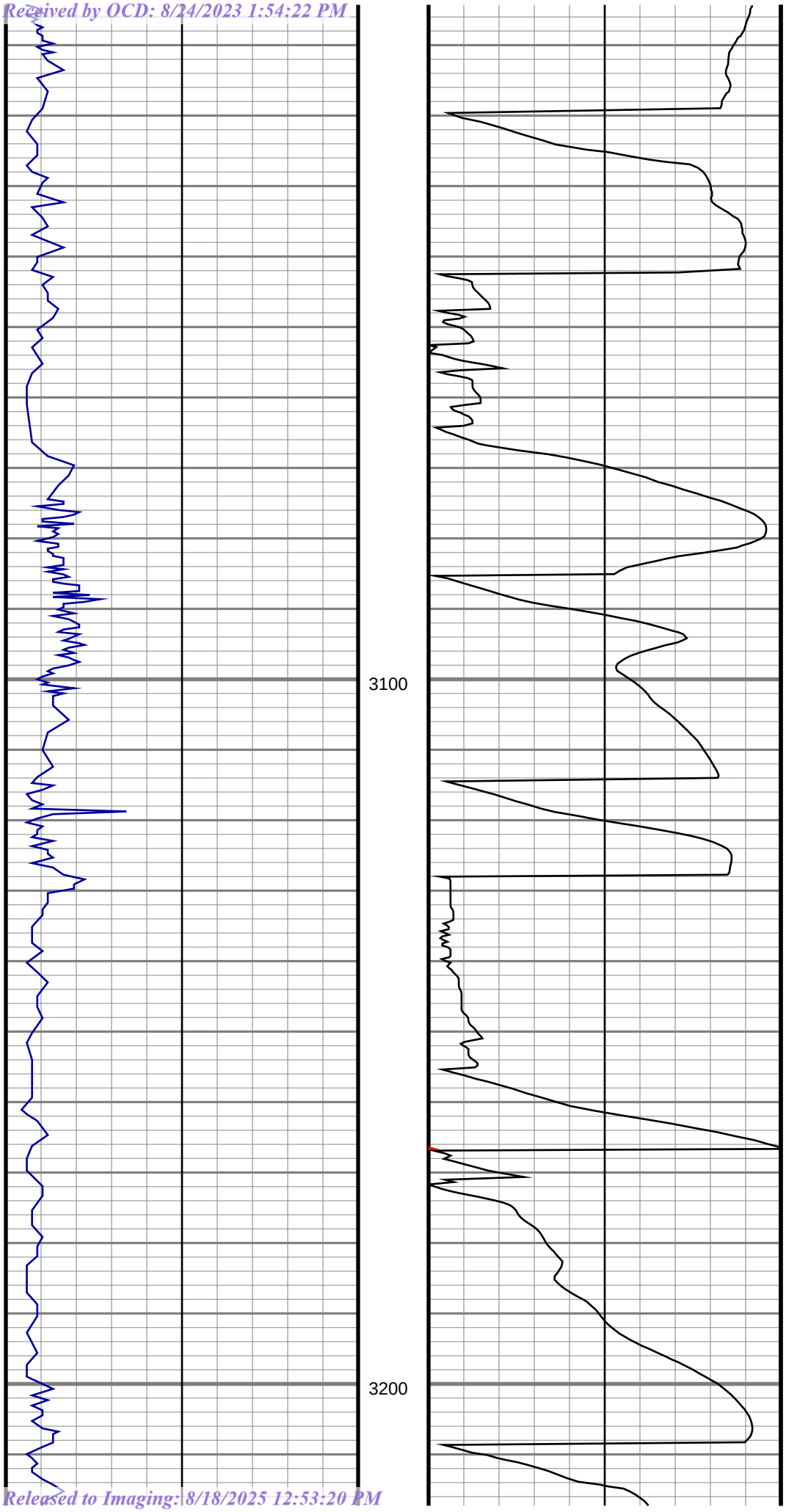
DLS(0.69)
#33 MD(2952.00) Inc(1.41) Azm(77.12) TVD(2951.72)
DLS(0.13)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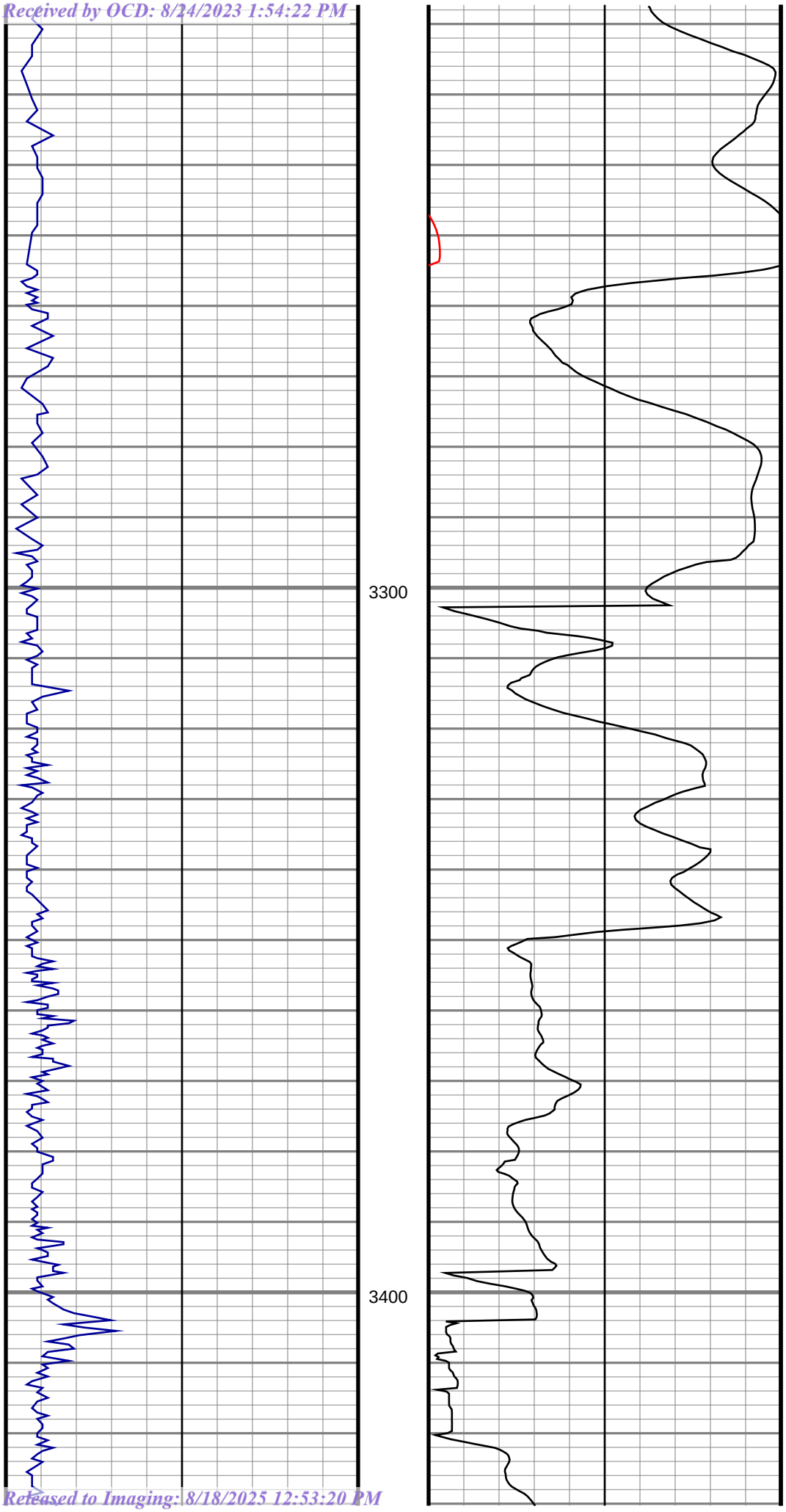
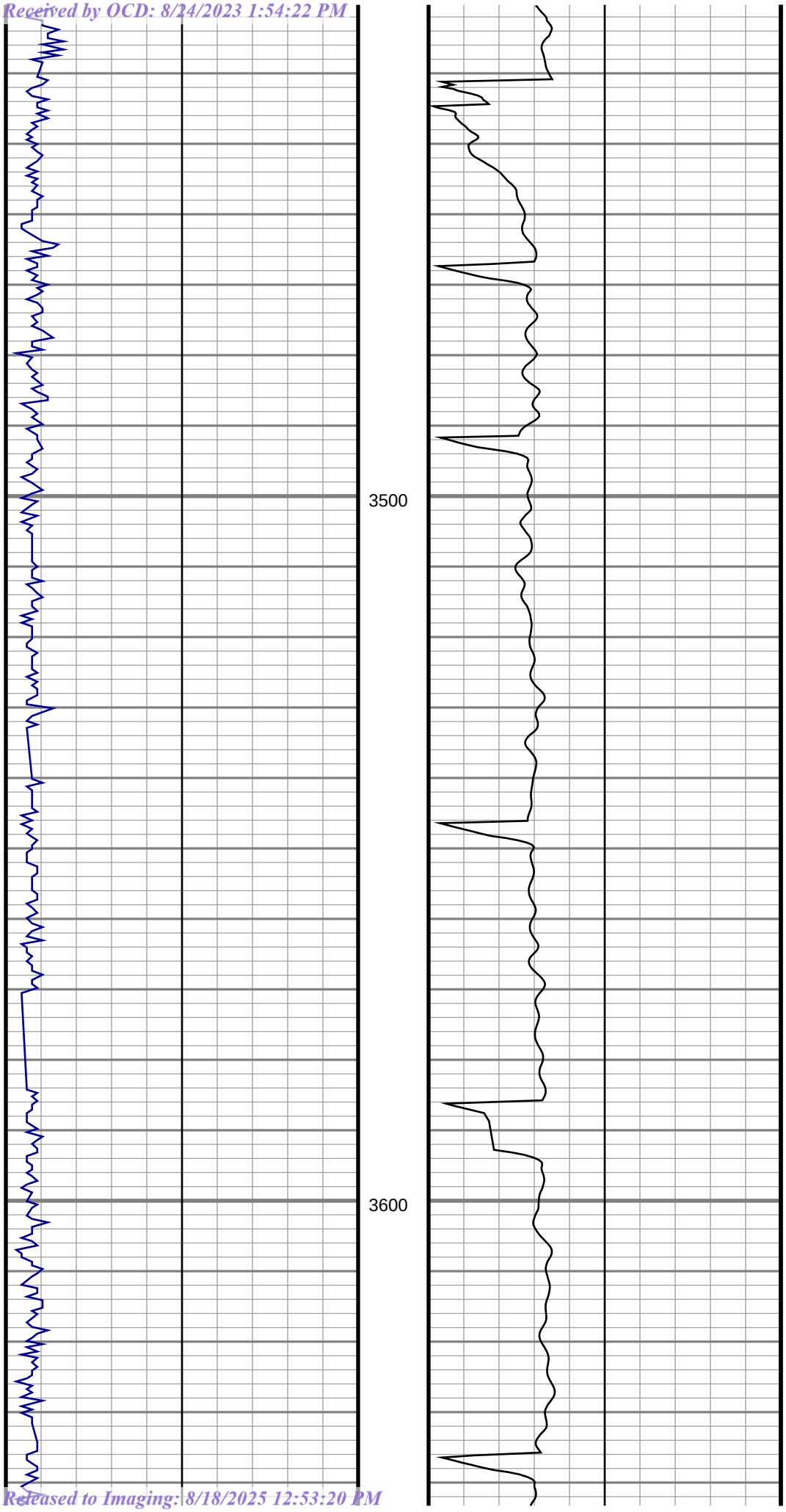
#35 MD(3142.00) Inc(1.23) Azm(133.54) TVD(3141.63) DLS(1.68)



#36 MD(3237.00) Inc(1.58) Azm(162.55) TVD(3236.61) DLS(0.82)

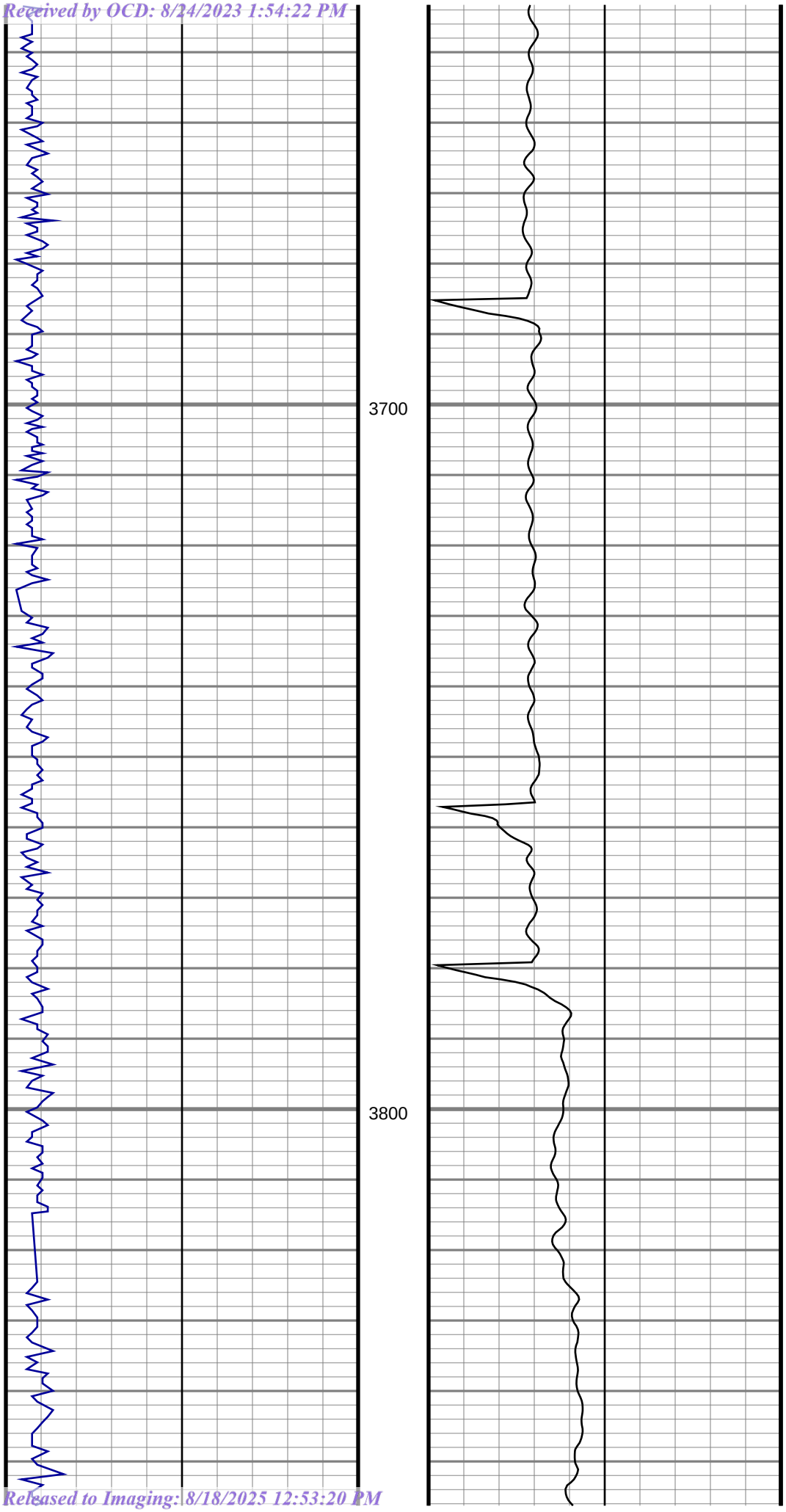
#37 MD(3332.00) Inc(1.58) Azm(150.94) TVD(3331.57) DLS(0.34)

#38 MD(3427.00) Inc(0.88) Azm(182.58) TVD(3426.55) DLS(1.00)



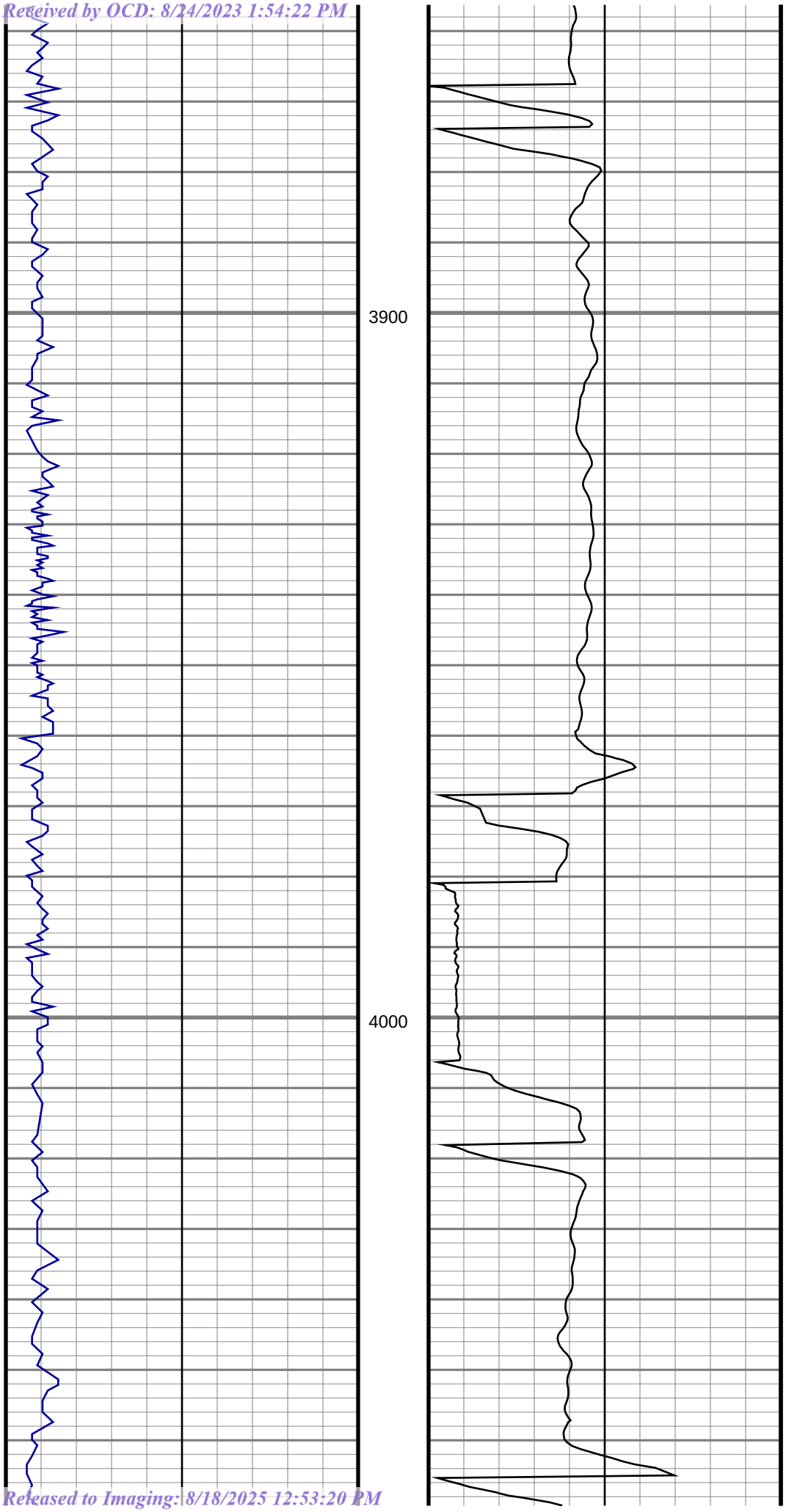
#39 MD(3522.00) Inc(0.97) Azm(212.64) TVD(3521.54) DLS(0.51)

#40 MD(3617.00) Inc(0.97) Azm(206.93) TVD(3616.52) DLS(0.10)



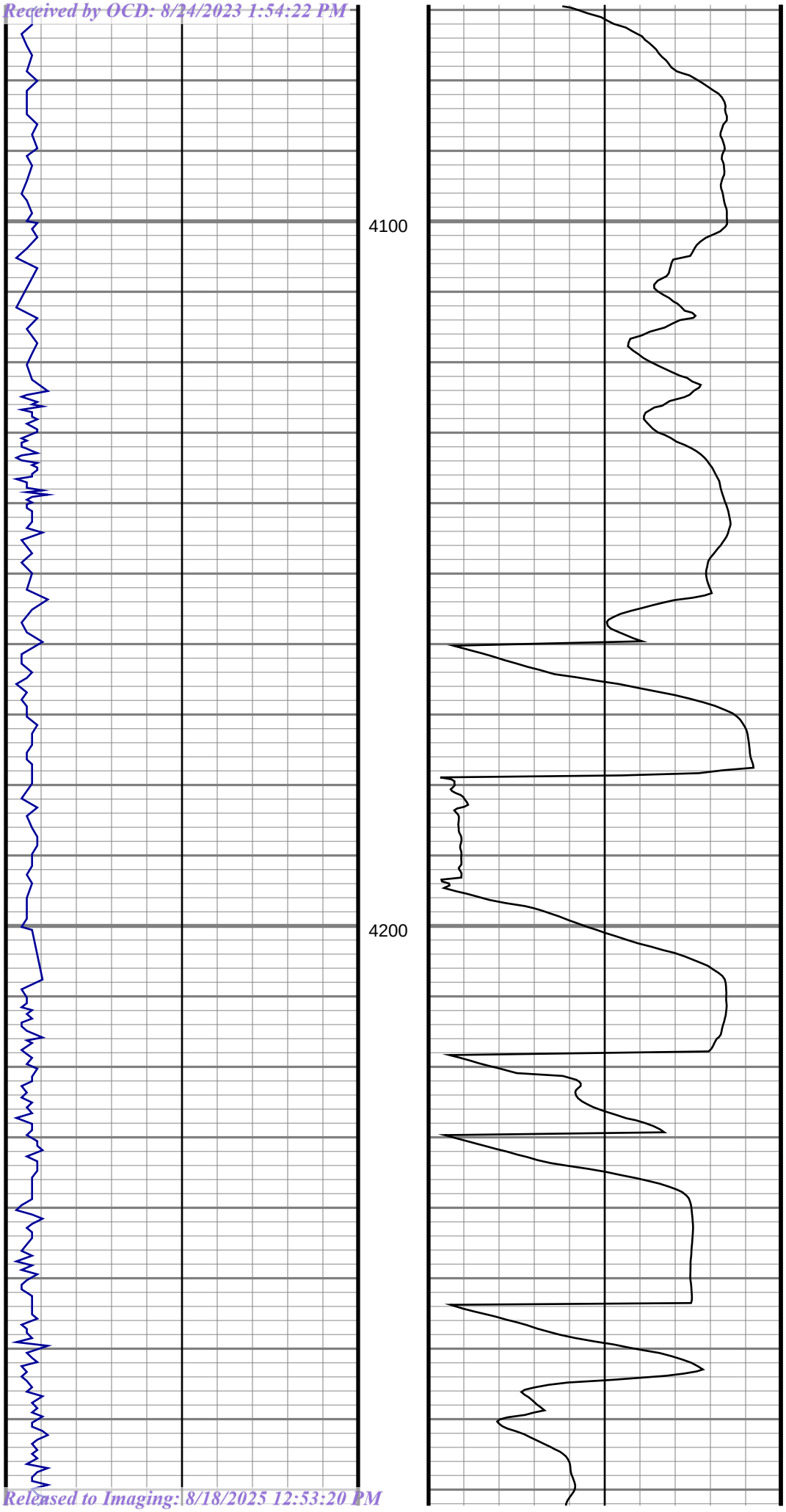
#41 MD(3712.00) Inc(0.70) Azm(214.49) TVD(3711.51) DLS(0.31)

#42 MD(3807.00) Inc(1.23) Azm(198.32) TVD(3806.50) DLS(0.62)



#43 MD(3902.00) Inc(1.67) Azm(233.65) TVD(3901.47) DLS(1.03)

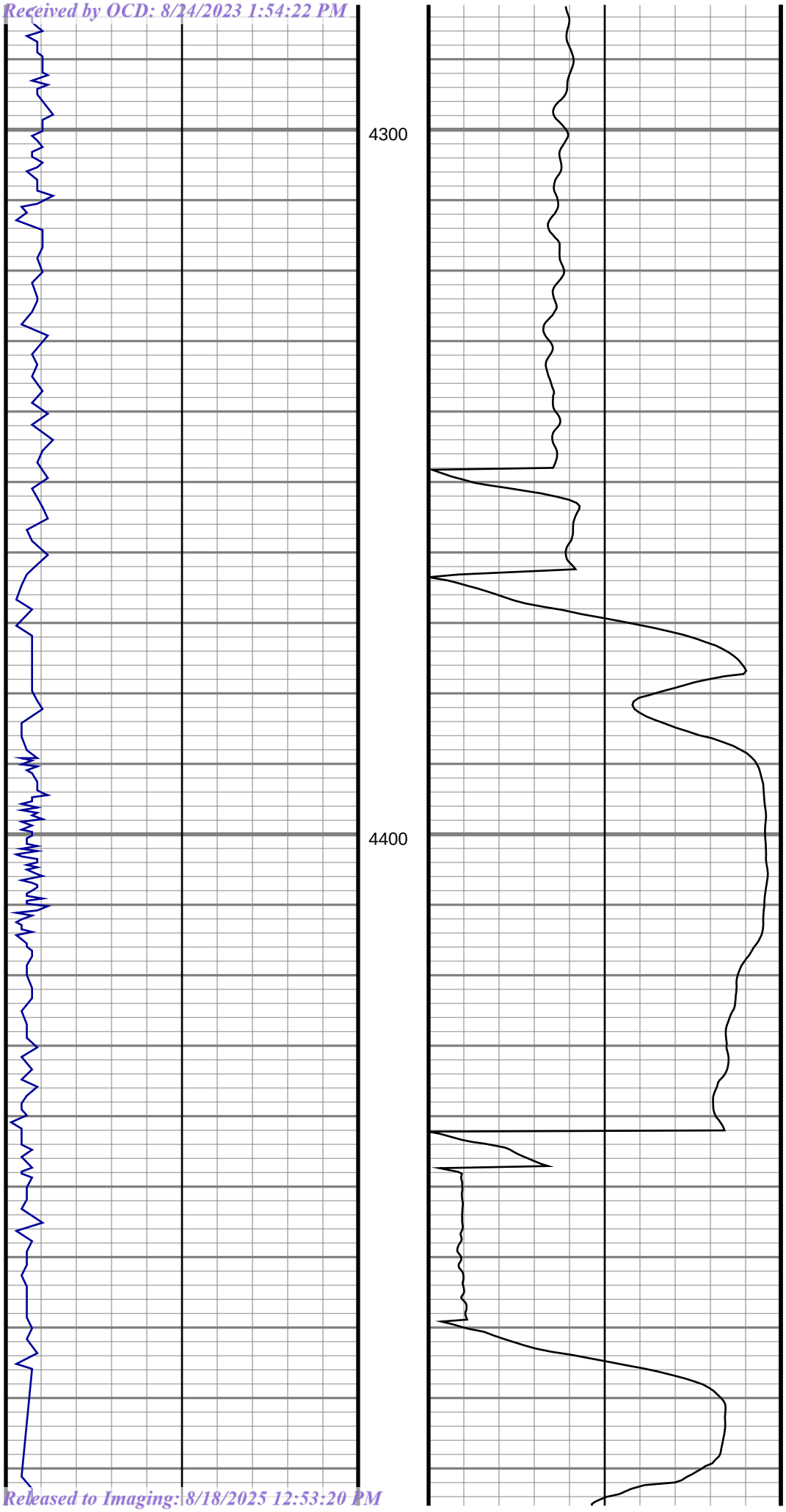
#44 MD(3997.00) Inc(1.67) Azm(284.10) TVD(3996.44) DLS(1.50)



#45 MD(4092.00) Inc(1.85) Azm(281.46) TVD(4091.39) DLS(0.21)

#46 MD(4186.00) Inc(0.26) Azm(314.51) TVD(4185.37) DLS(1.74)

#47 MD(4281.00) Inc(0.79) Azm(112.89) TVD(4280.37) DLS(1.09)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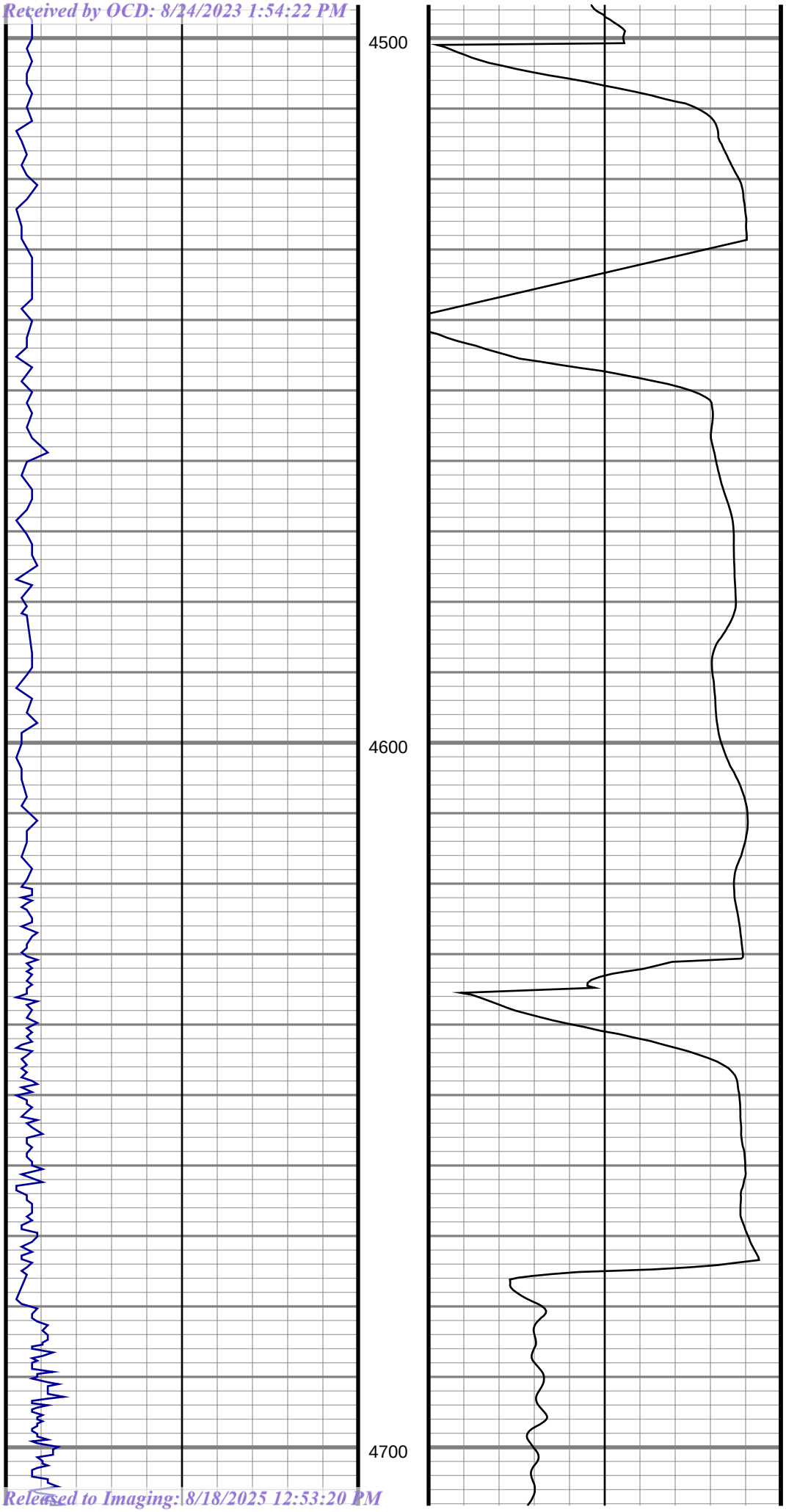
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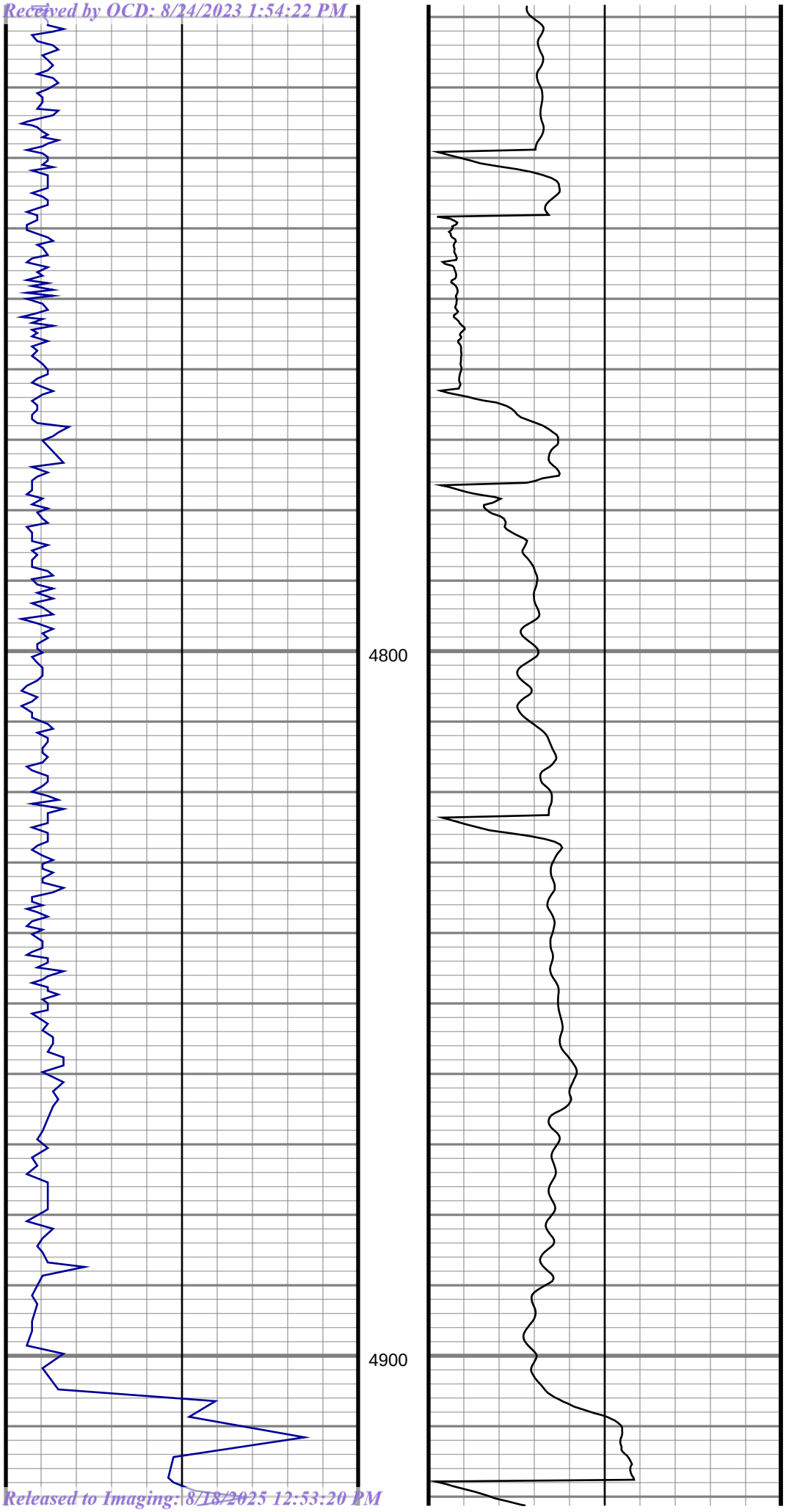
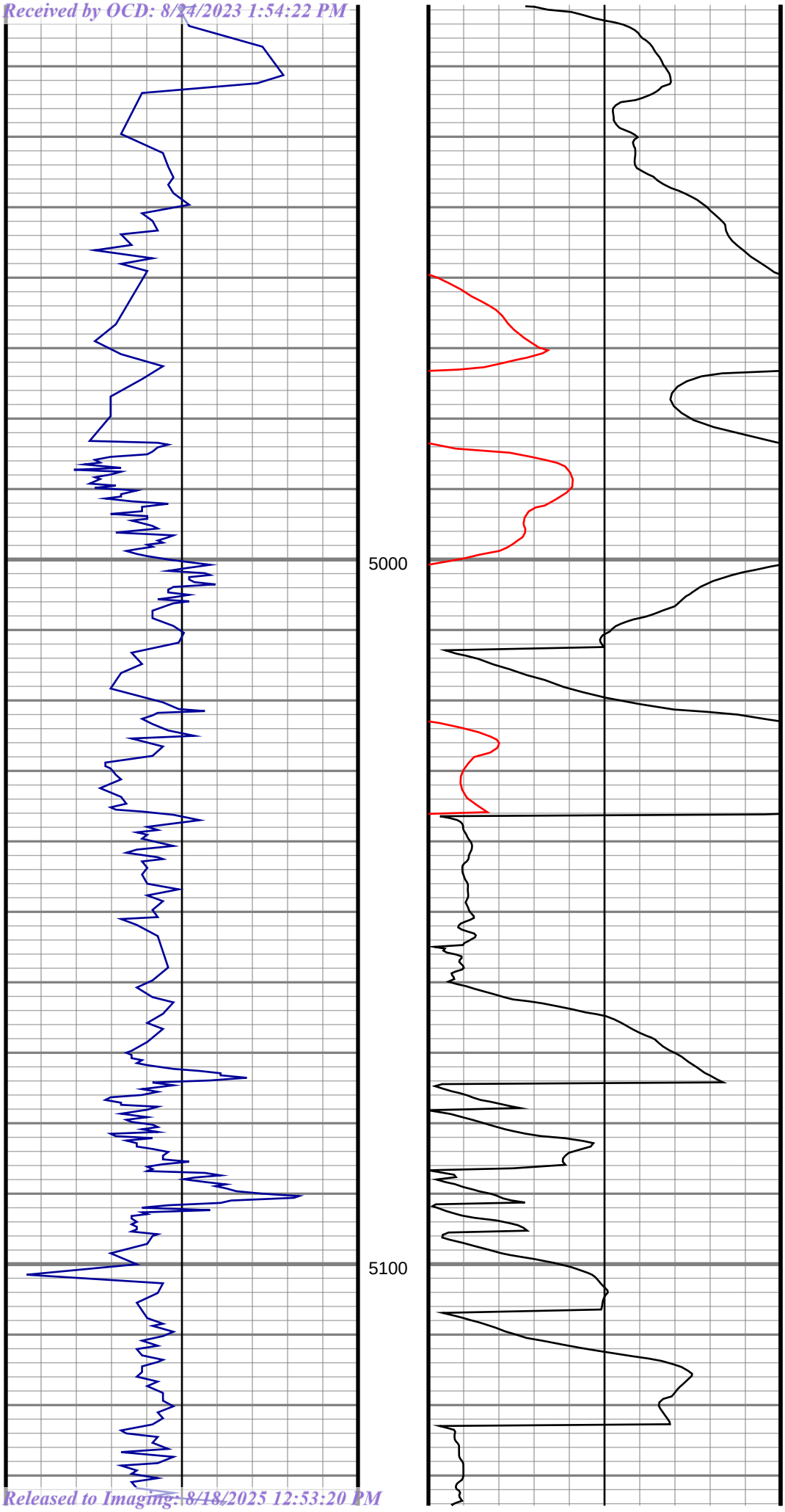


#52 MD(4756.00) Inc(1.67) Azm(28.42) TVD(4755.26) DLS(1.53)

#53 MD(4851.00) Inc(1.85) Azm(8.39) TVD(4850.22) DLS(0.67)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#55 MD(5040.00) Inc(1.49) Azm(352.83) TVD(5039.16)
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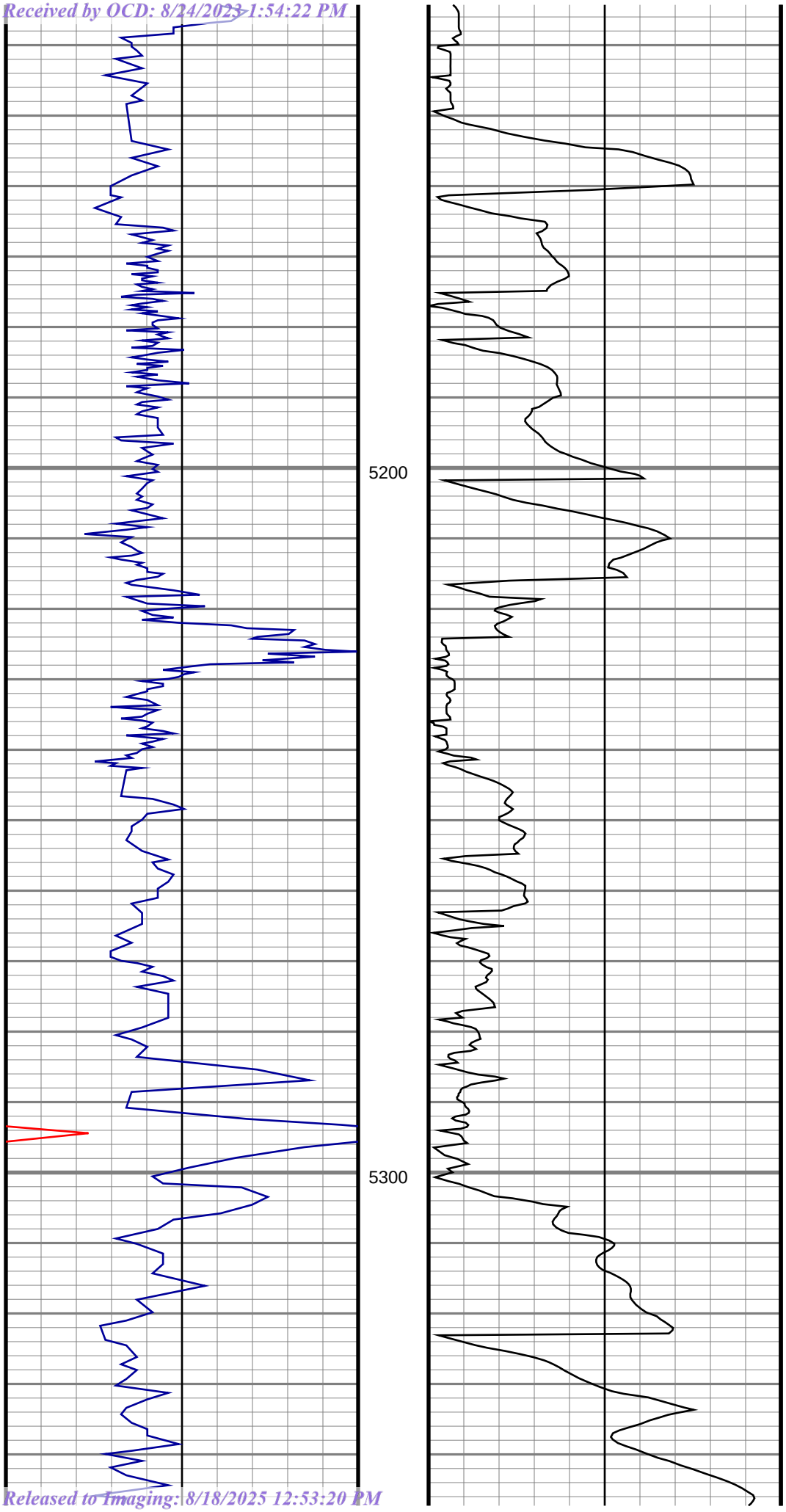

#56 MD(5135.00) Inc(2.90) Azm(354.41) TVD(5134.09)
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#57 MD(5230.00) Inc(4.48) Azm(352.92) TVD(5228.89)
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#58 MD(5326.00) Inc(4.22) Azm(353.62) TVD(5324.61)
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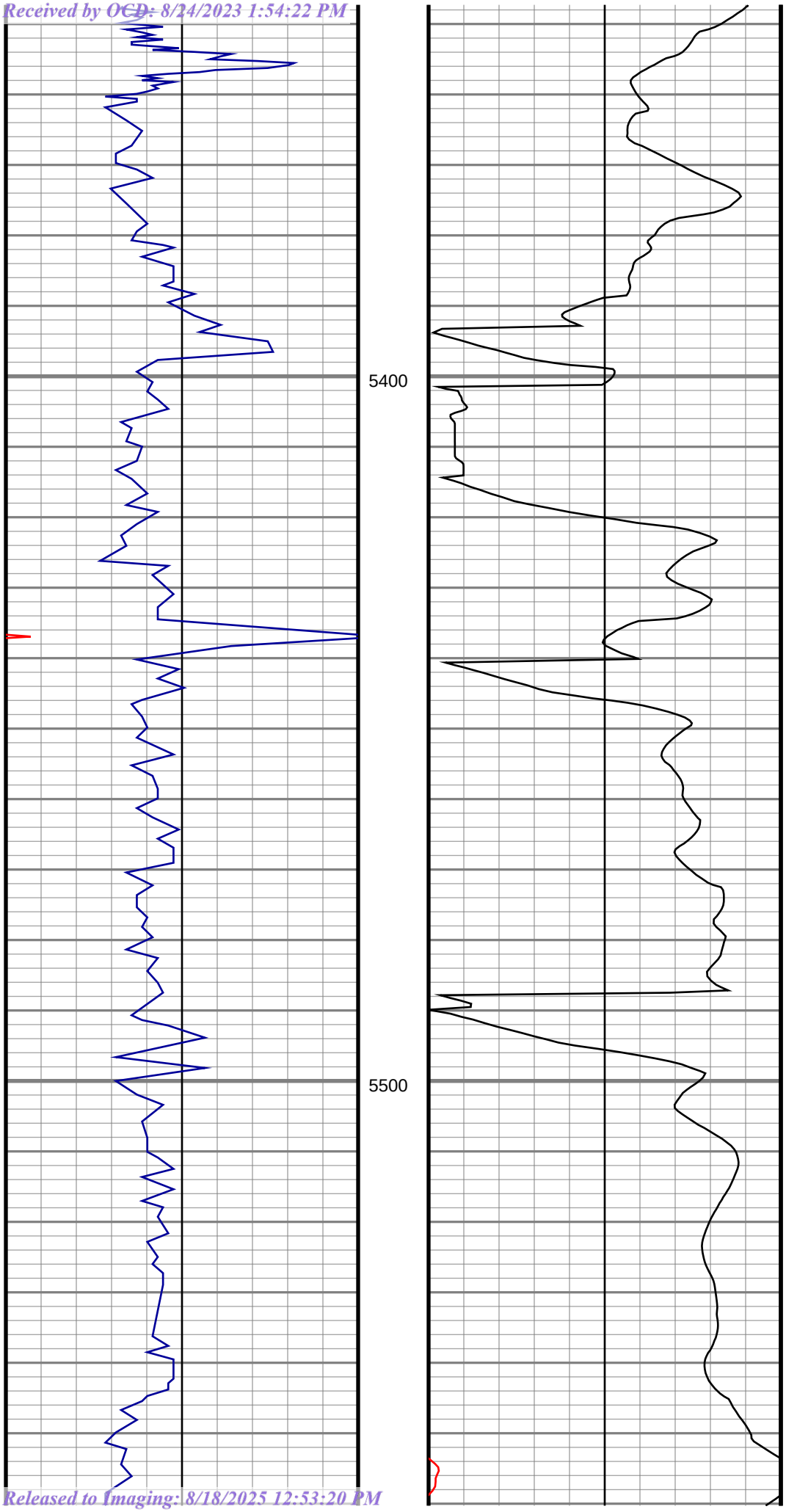
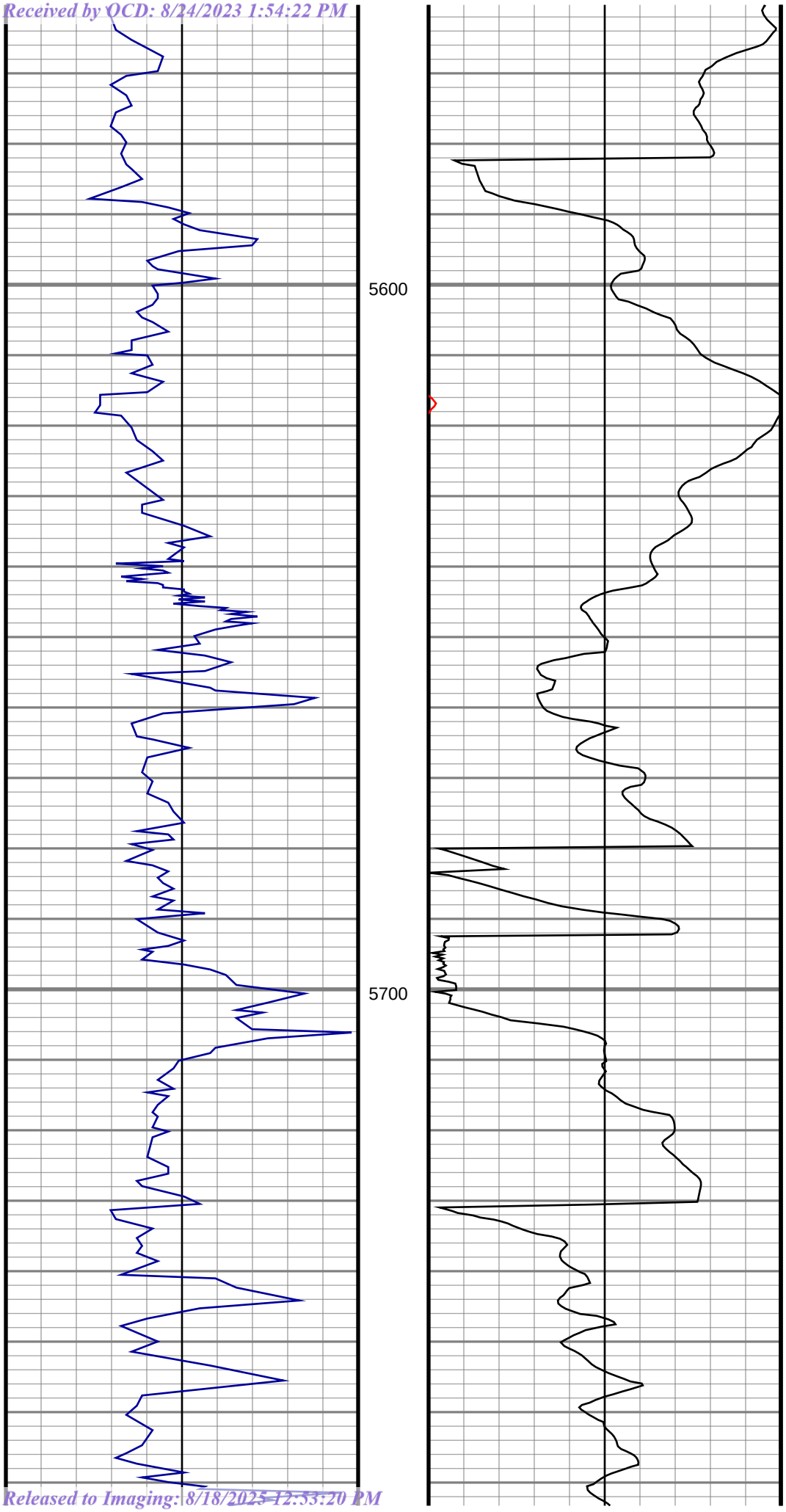


#59 MD(5421.00) Inc(3.78) Azm(359.86) TVD(5419.38) DLS(0.65)

#60 MD(5516.00) Inc(3.61) Azm(350.37) TVD(5514.18) DLS(0.67)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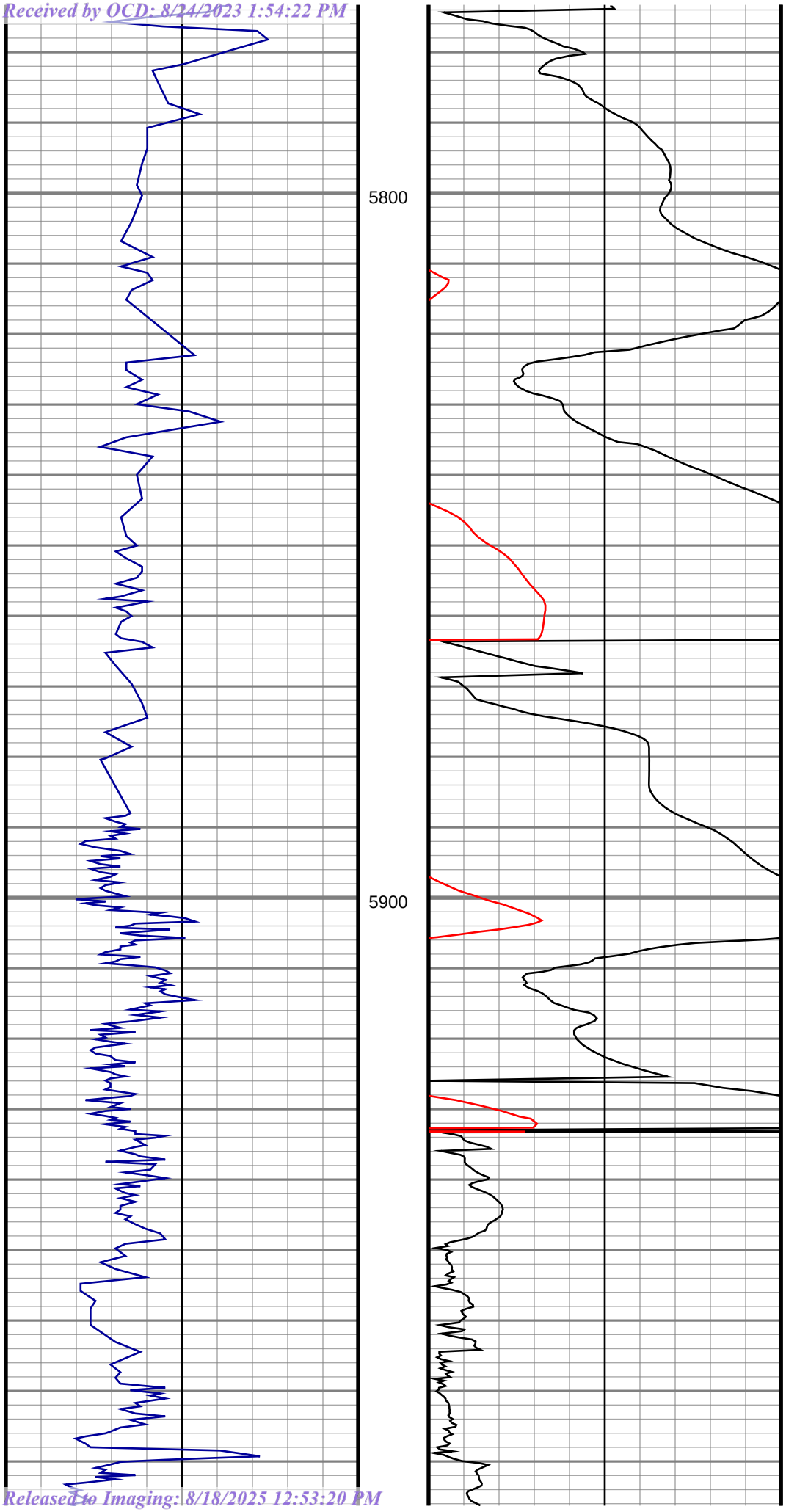
#62 MD(5706.00) Inc(2.55) Azm(345.97) TVD(5703.90) DLS(0.63)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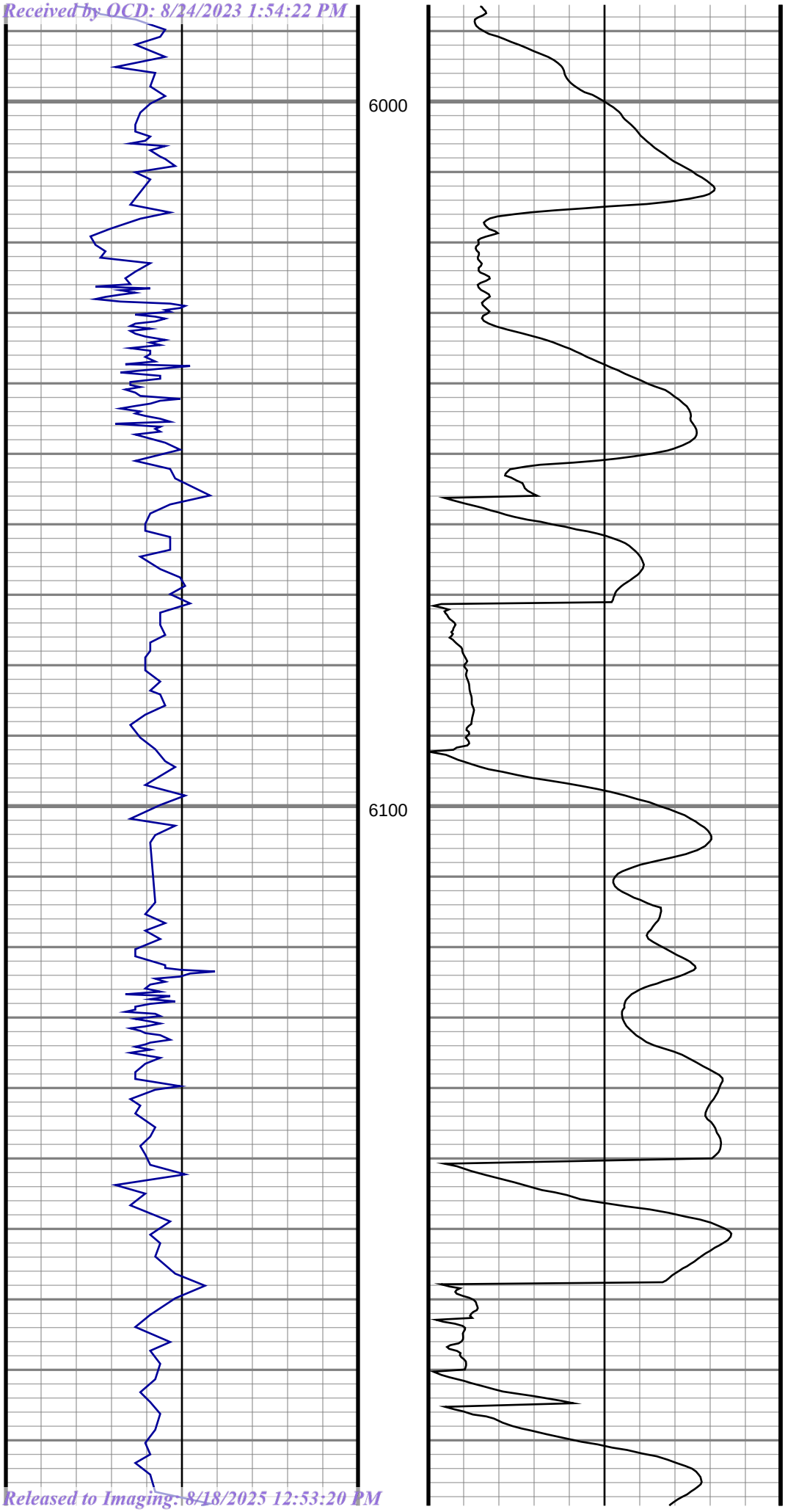
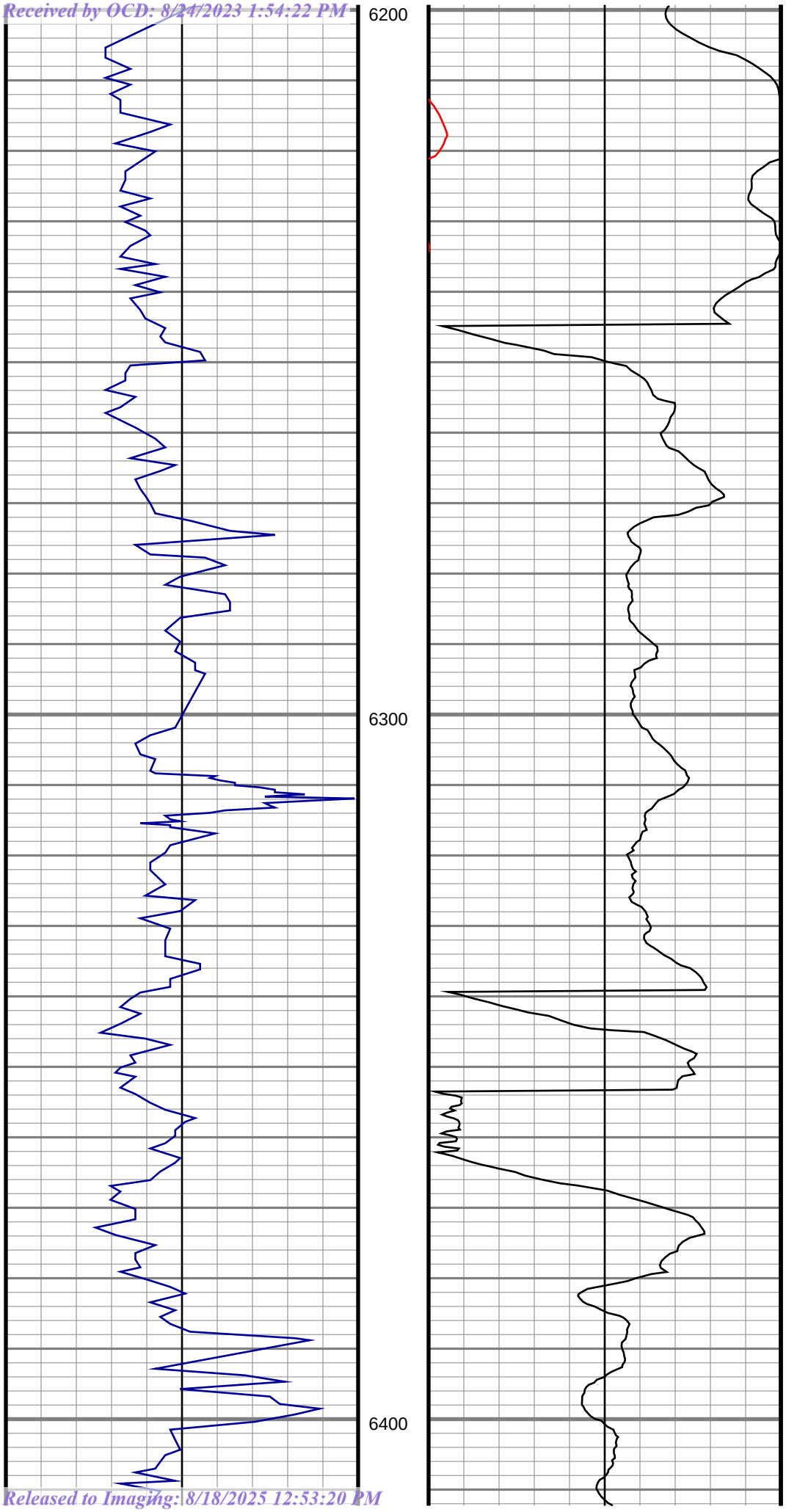
#64 MD(5863.00) Inc(1.93) Azm(346.50) TVD(5860.78) DLS(0.51)



#65 MD(5997.00) Inc(3.69) Azm(356.96) TVD(5994.62) DLS(1.36)

#66 MD(6092.00) Inc(4.48) Azm(12.60) TVD(6089.38) DLS(1.43)

#67 MD(6187.00) Inc(5.80) Azm(28.51) TVD(6184.00) DLS(2.03)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#68 MD(6282.00) Inc(6.42) Azm(31.41) TVD(6278.46)
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#69 MD(6377.00) Inc(5.98) Azm(31.68) TVD(6372.90)
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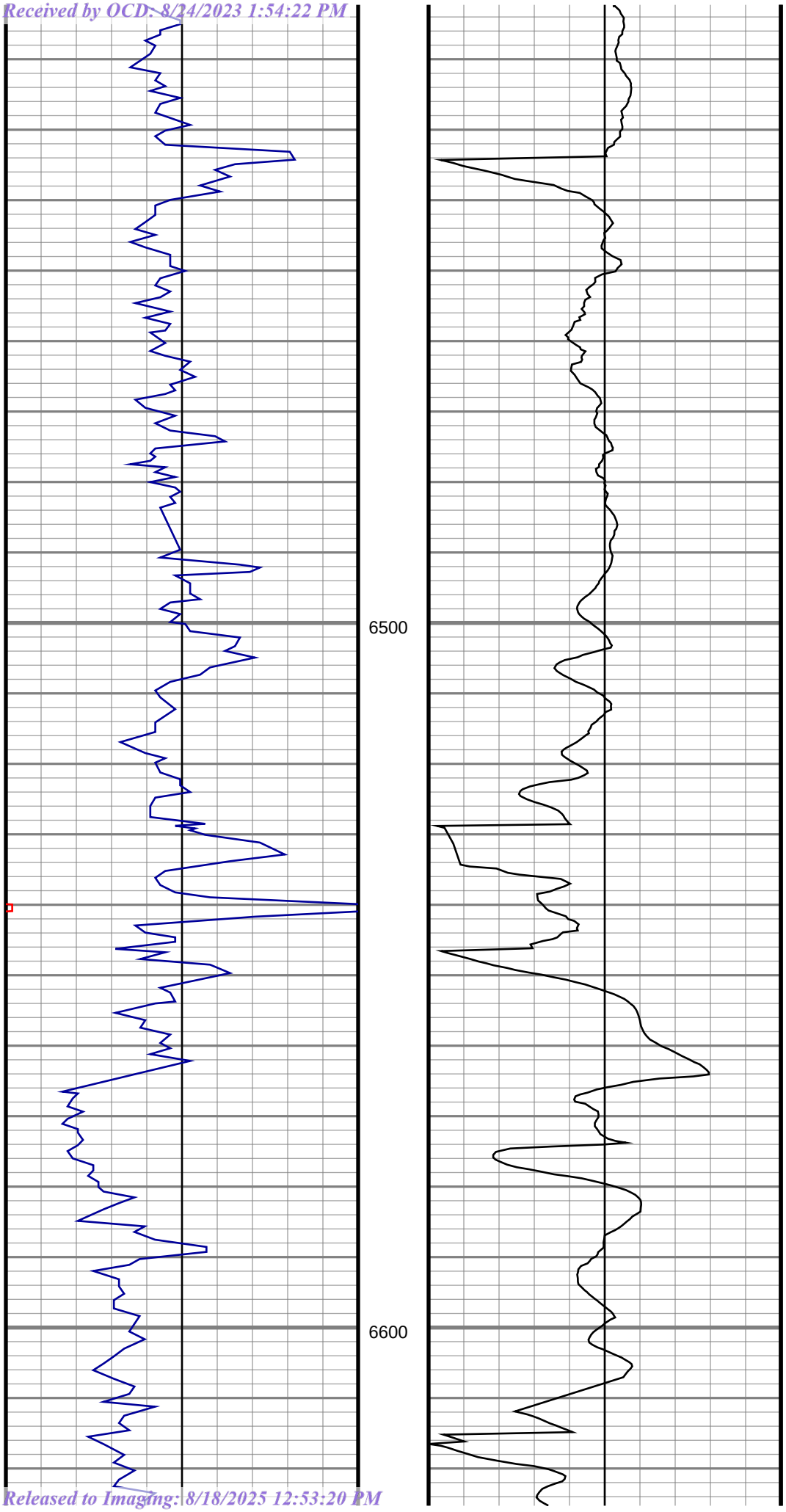
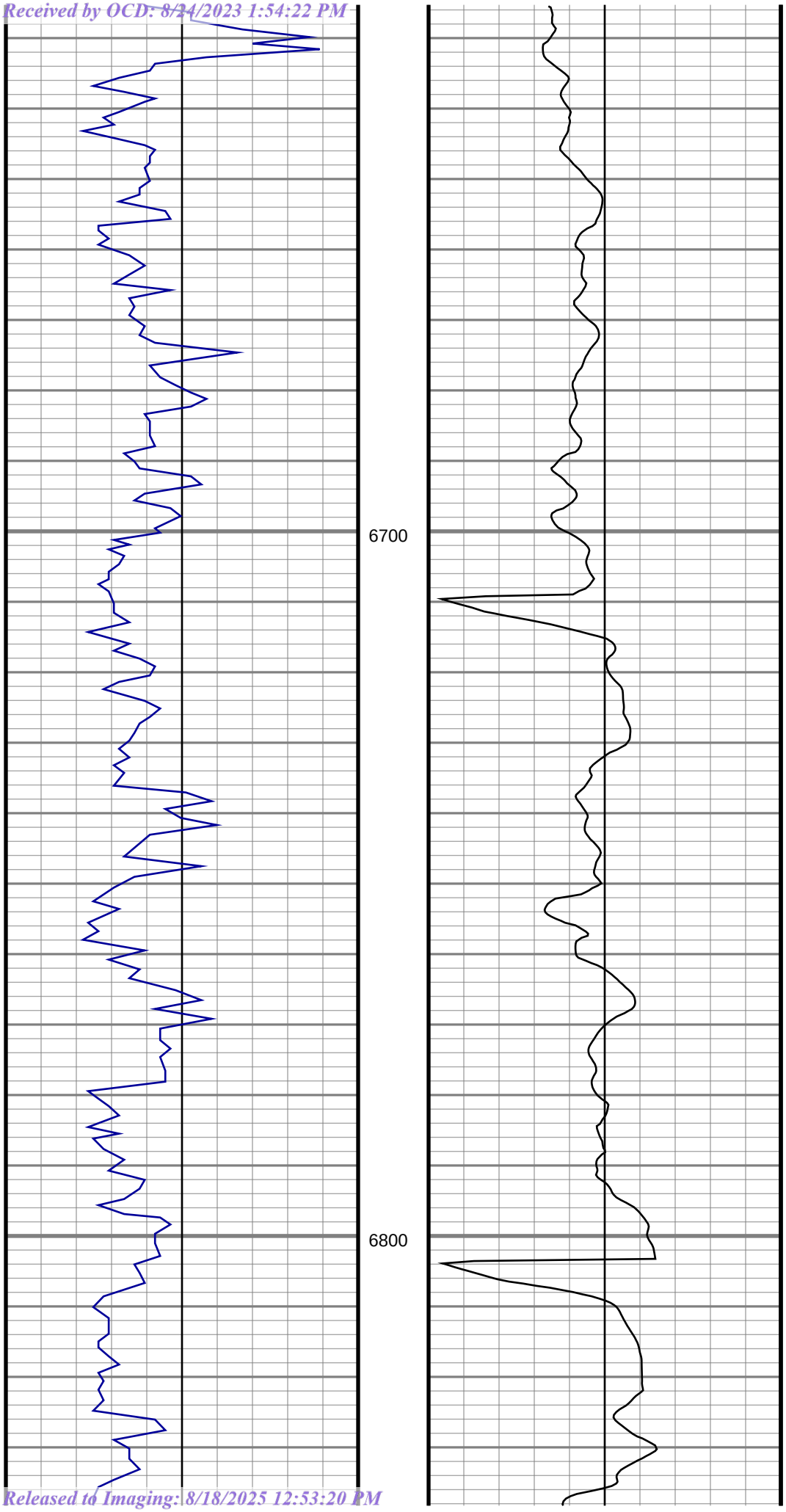


#70 MD(6472.00) Inc(5.72) Azm(35.63) TVD(6467.41) DLS(0.50)

#71 MD(6546.00) Inc(5.36) Azm(36.33) TVD(6541.06) DLS(0.49)



#72 MD(6646.00) Inc(5.19) Azm(37.04) TVD(6640.64)
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#73 MD(6741.00) Inc(5.01) Azm(40.11) TVD(6735.26)
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#74 MD(6836.00) Inc(4.84) Azm(40.64) TVD(6829.91)
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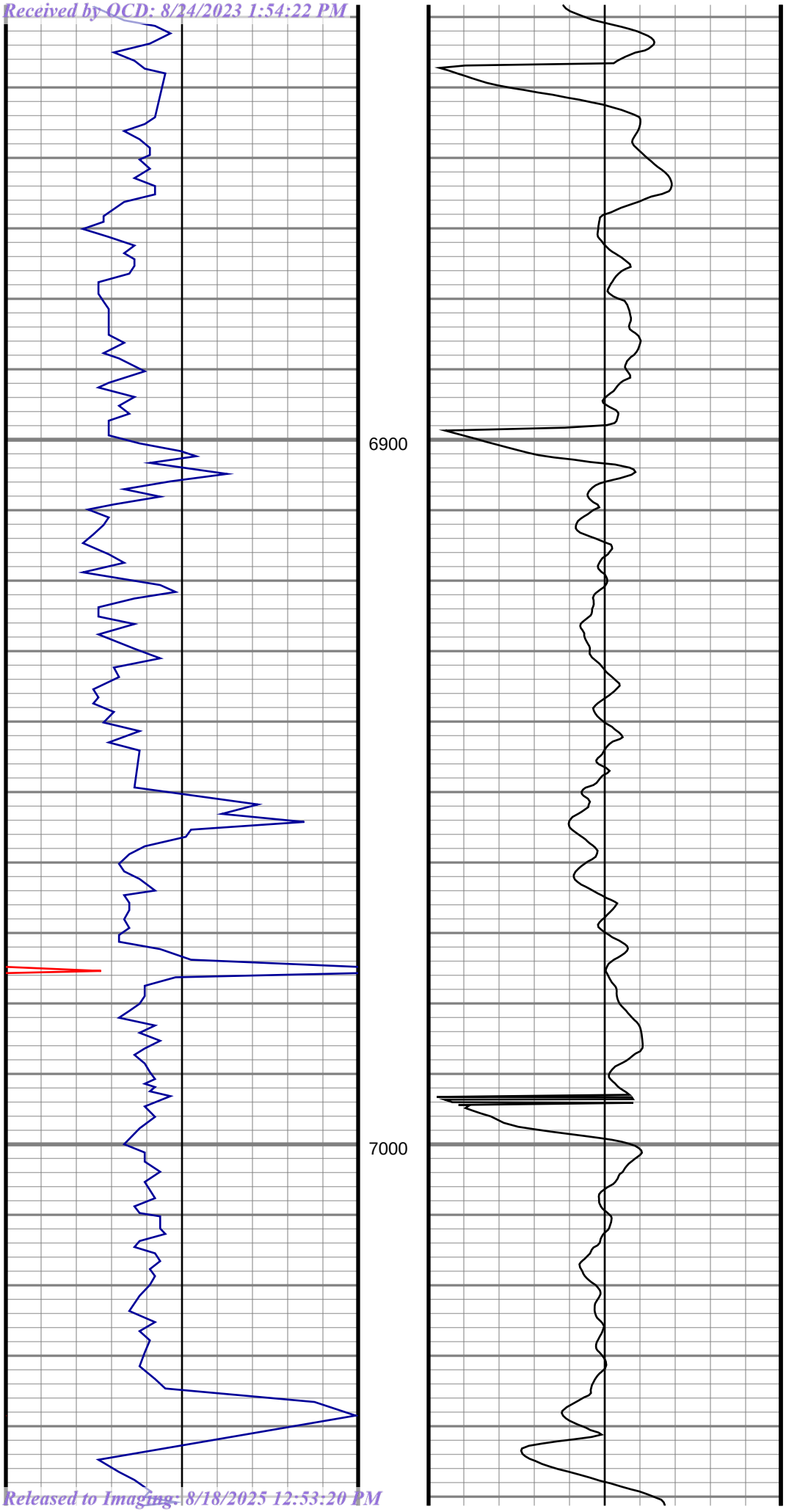
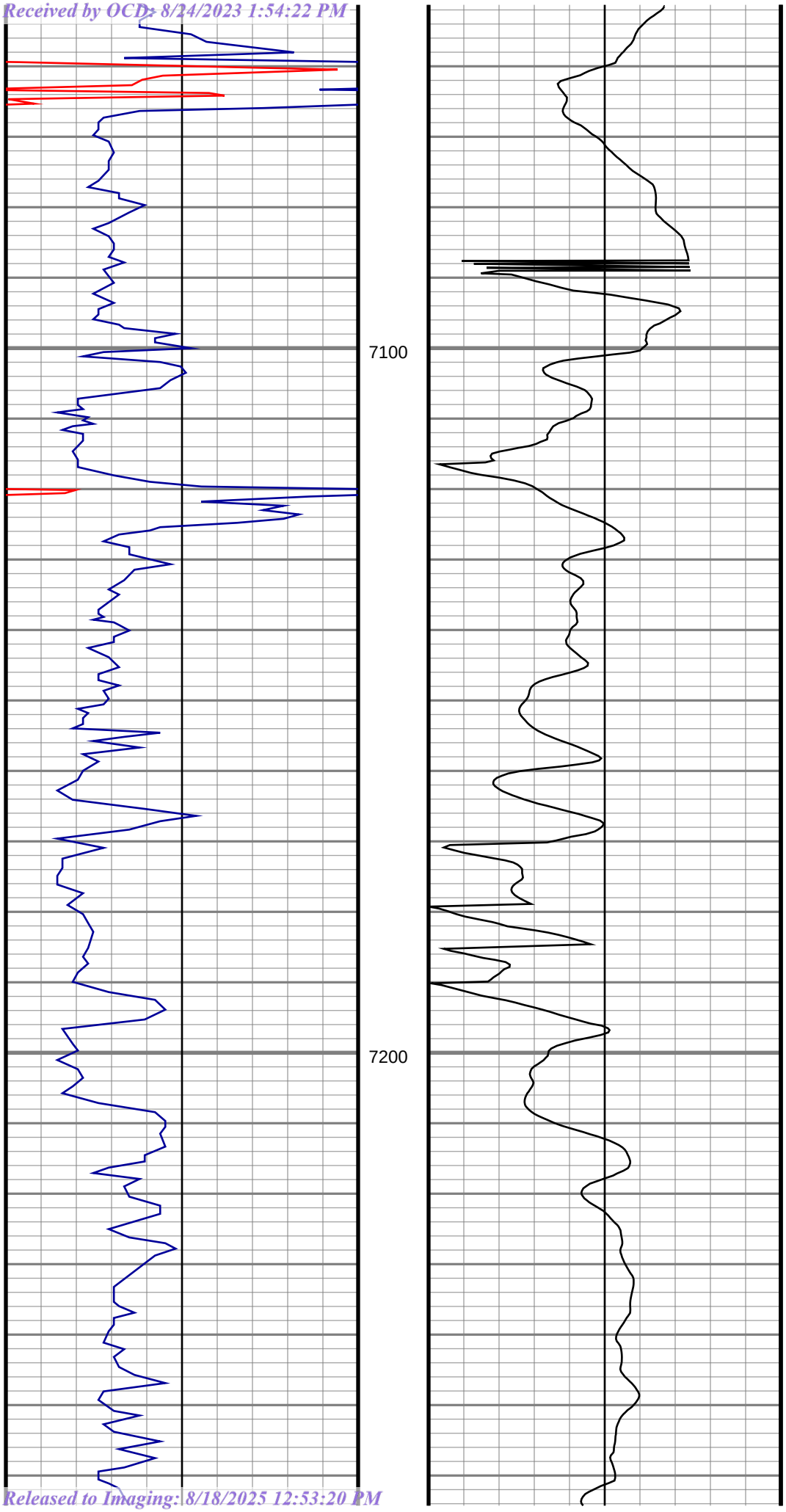


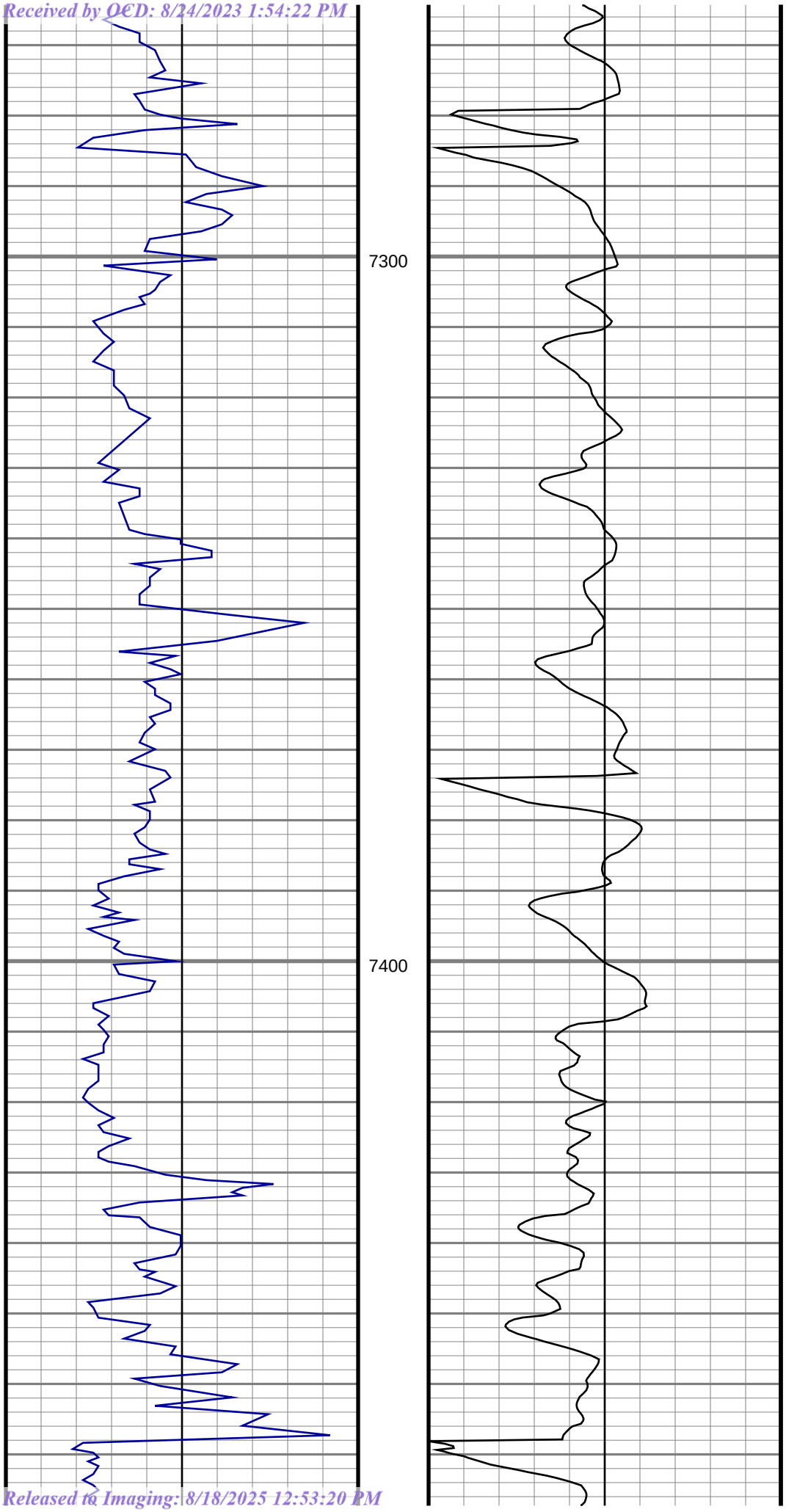
#75 MD(6931.00) Inc(4.57) Azm(40.47) TVD(6924.59) DLS(0.28)

#76 MD(7026.00) Inc(4.40) Azm(36.16) TVD(7019.30) DLS(0.40)



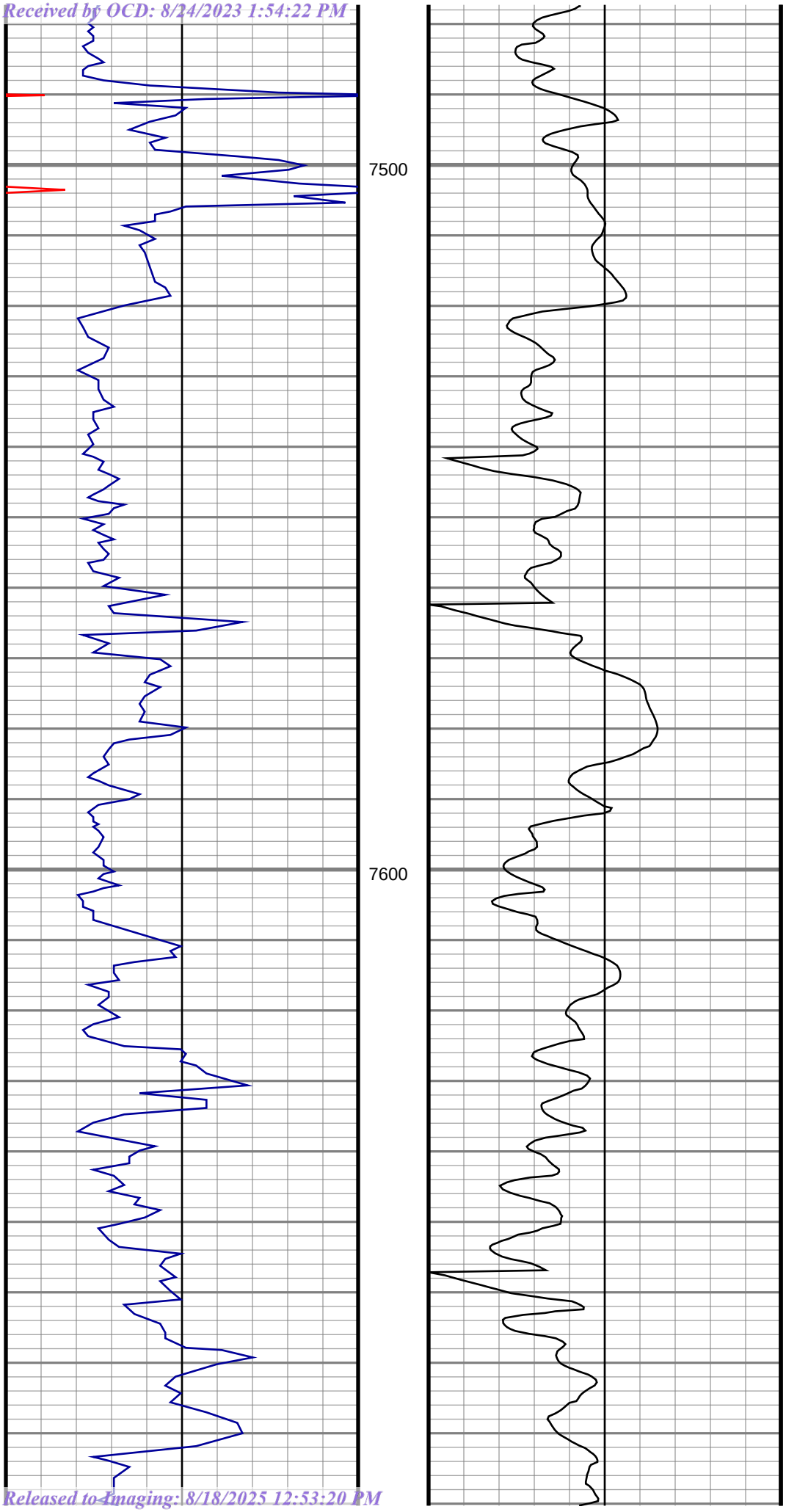
#77 MD(7121.00) Inc(3.87) Azm(35.37) TVD(7114.05) DLS(0.56)

#78 MD(7216.00) Inc(3.61) Azm(37.92) TVD(7208.85) DLS(0.32)



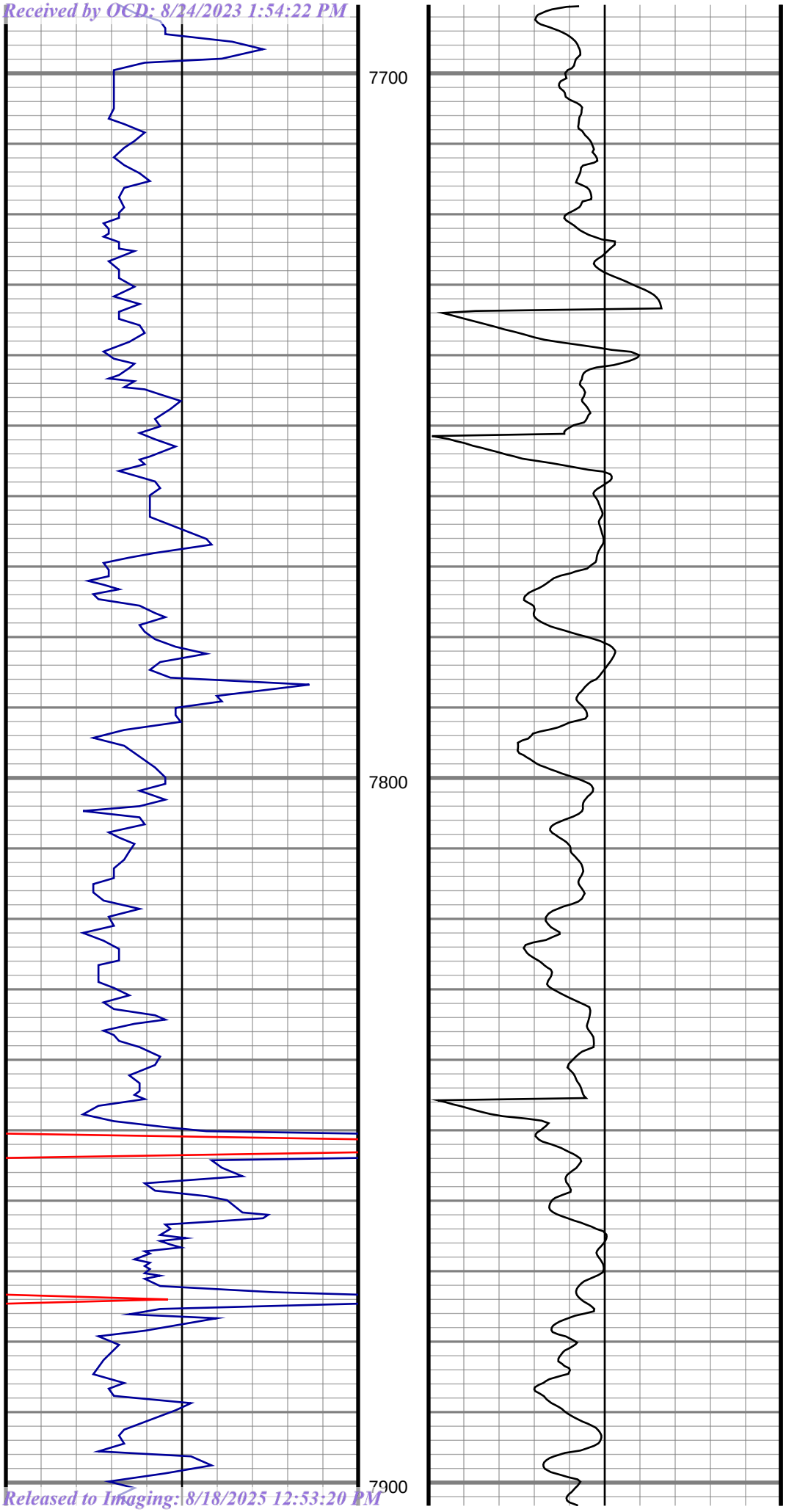
#79 MD(7311.00) Inc(3.34) Azm(40.73) TVD(7303.68) DLS(0.34)

#80 MD(7406.00) Inc(3.17) Azm(40.99) TVD(7398.52) DLS(0.18)



#81 MD(7501.00) Inc(2.73) Azm(39.24) TVD(7493.40) DLS(0.47)

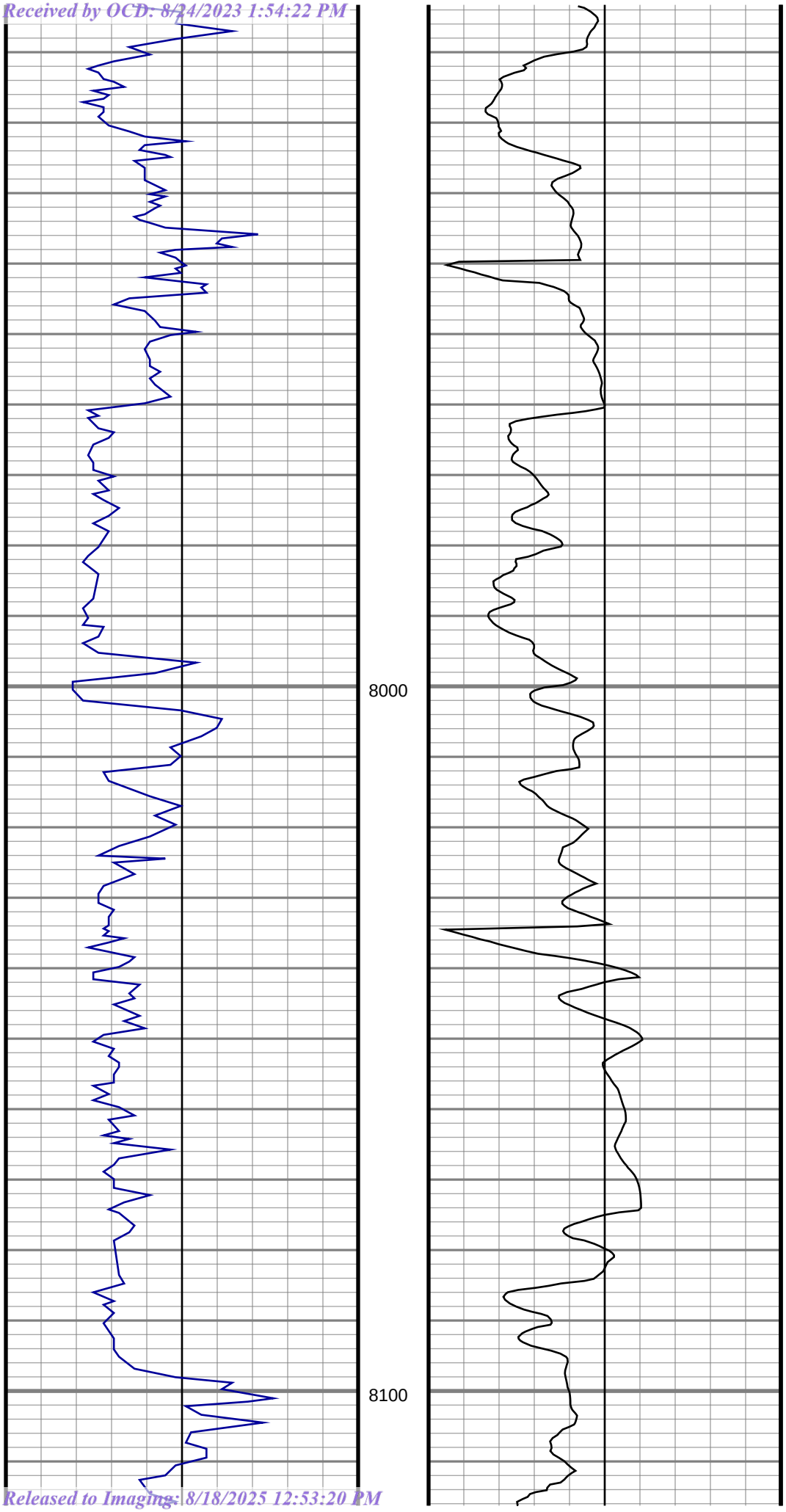
#82 MD(7596.00) Inc(2.55) Azm(36.95) TVD(7588.30) DLS(0.22)



#83 MD(7691.00) Inc(2.29) Azm(38.88) TVD(7685.21)
DLS(0.29)

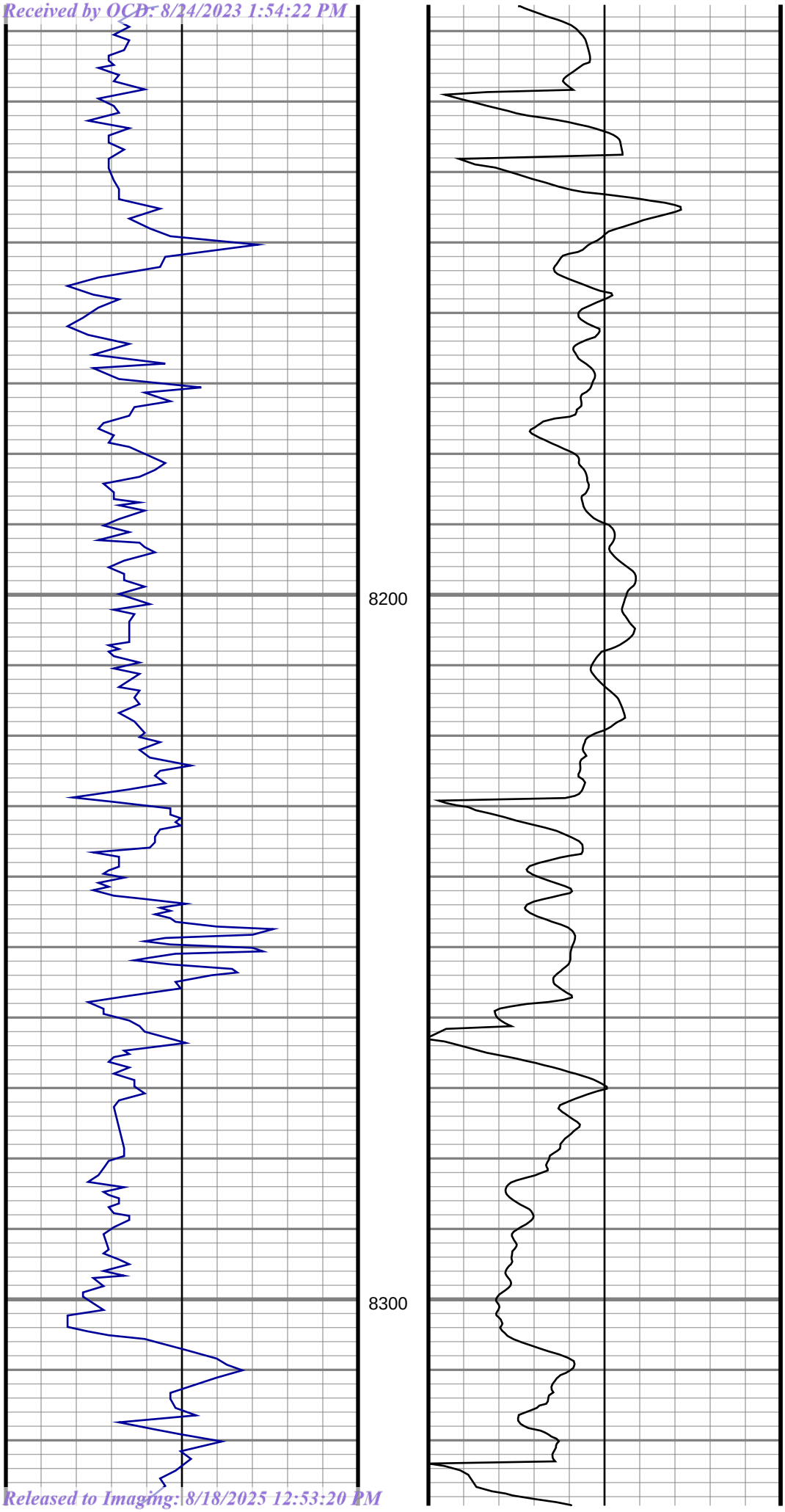
#84 MD(7786.00) Inc(2.20) Azm(38.62) TVD(7778.14)
DLS(0.10)

#85 MD(7880.00) Inc(1.76) Azm(36.16) TVD(7872.08)
DLS(0.48)



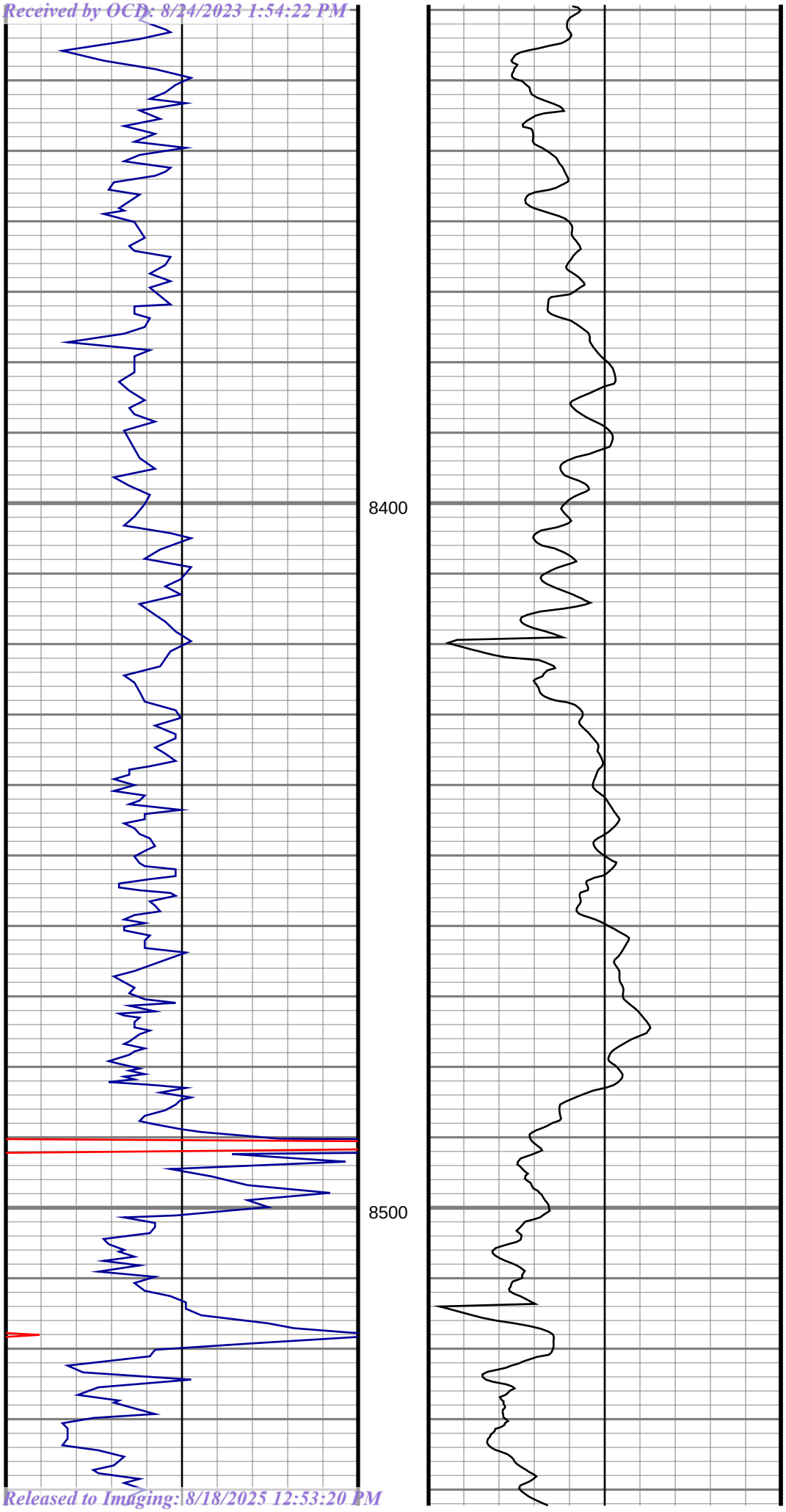
#86 MD(7975.00) Inc(1.41) Azm(27.63) TVD(7967.05) DLS(0.44)

#87 MD(8070.00) Inc(1.23) Azm(22.62) TVD(8062.02) DLS(0.22)



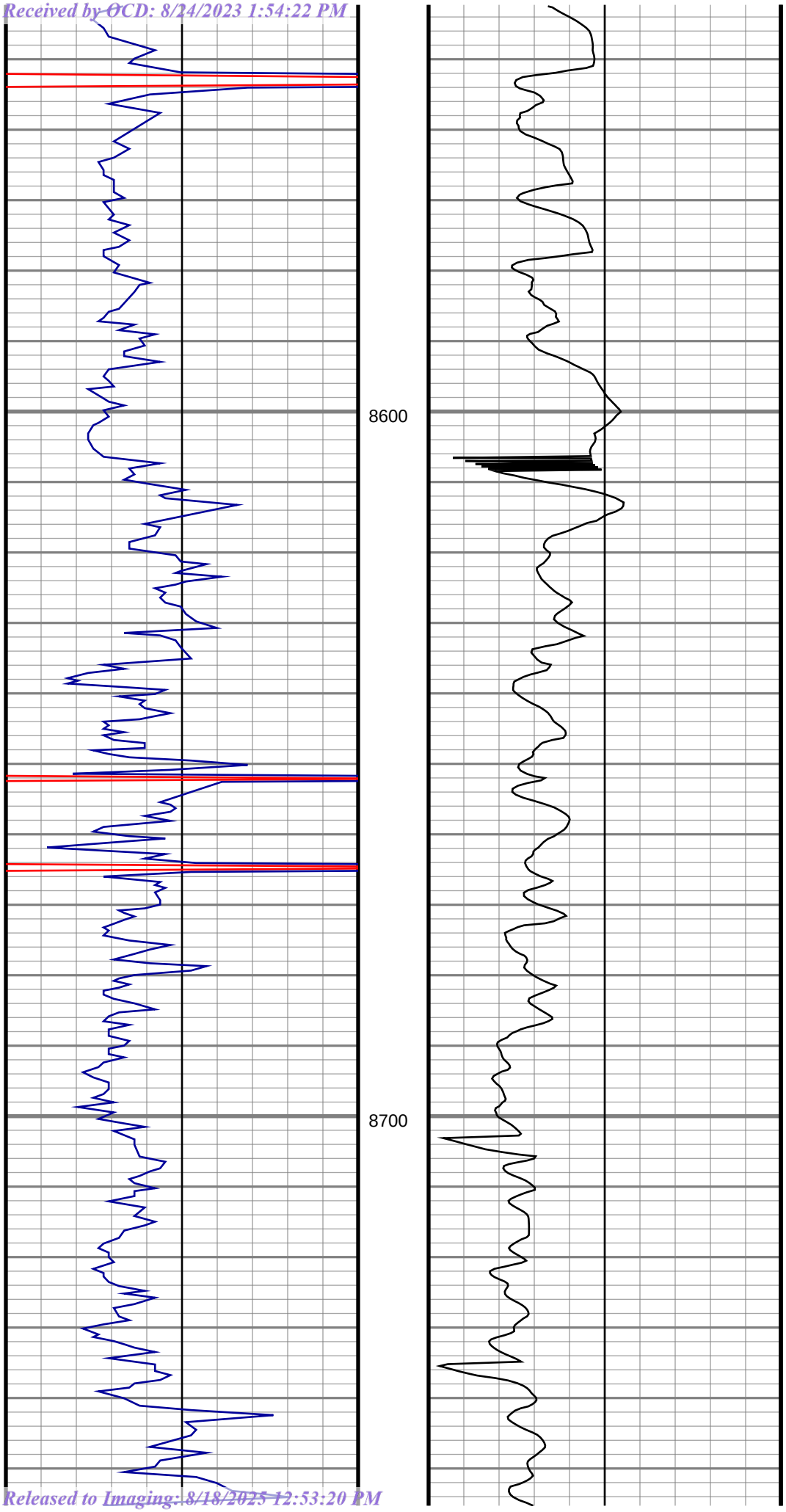
#88 MD(8165.00) Inc(1.14) Azm(30.45) TVD(8157.00) DLS(0.19)

#89 MD(8260.00) Inc(0.53) Azm(37.83) TVD(8251.99) DLS(0.65)



#90 MD(8355.00) Inc(0.53) Azm(31.59) TVD(8346.99) DLS(0.06)

#91 MD(8450.00) Inc(0.35) Azm(315.30) TVD(8441.98) DLS(0.59)



#92 MD(8545.00) Inc(0.26) Azm(165.97) TVD(8536.98)
DLS(0.62)

#93 MD(8640.00) Inc(0.70) Azm(259.40) TVD(8631.98)
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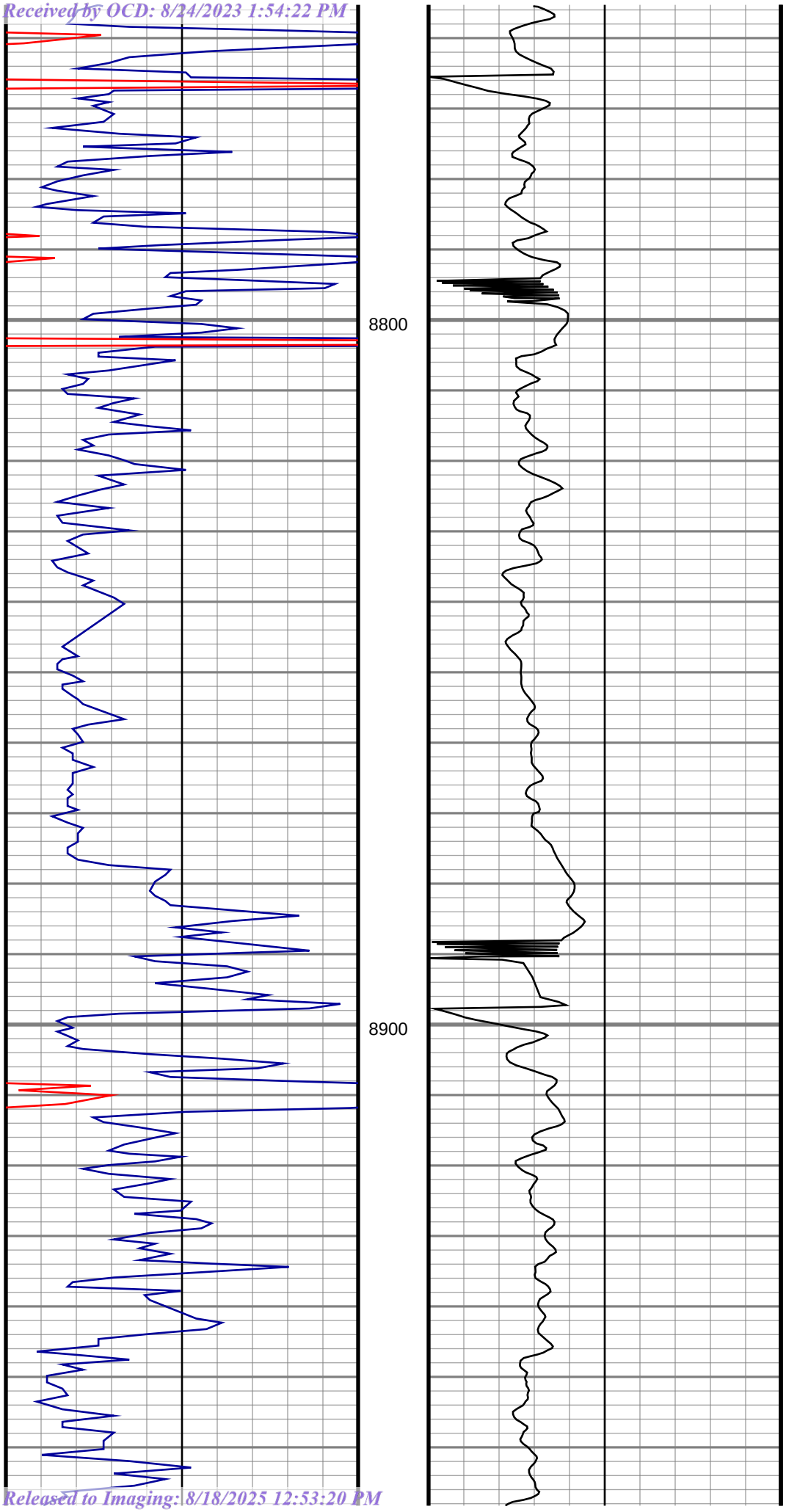
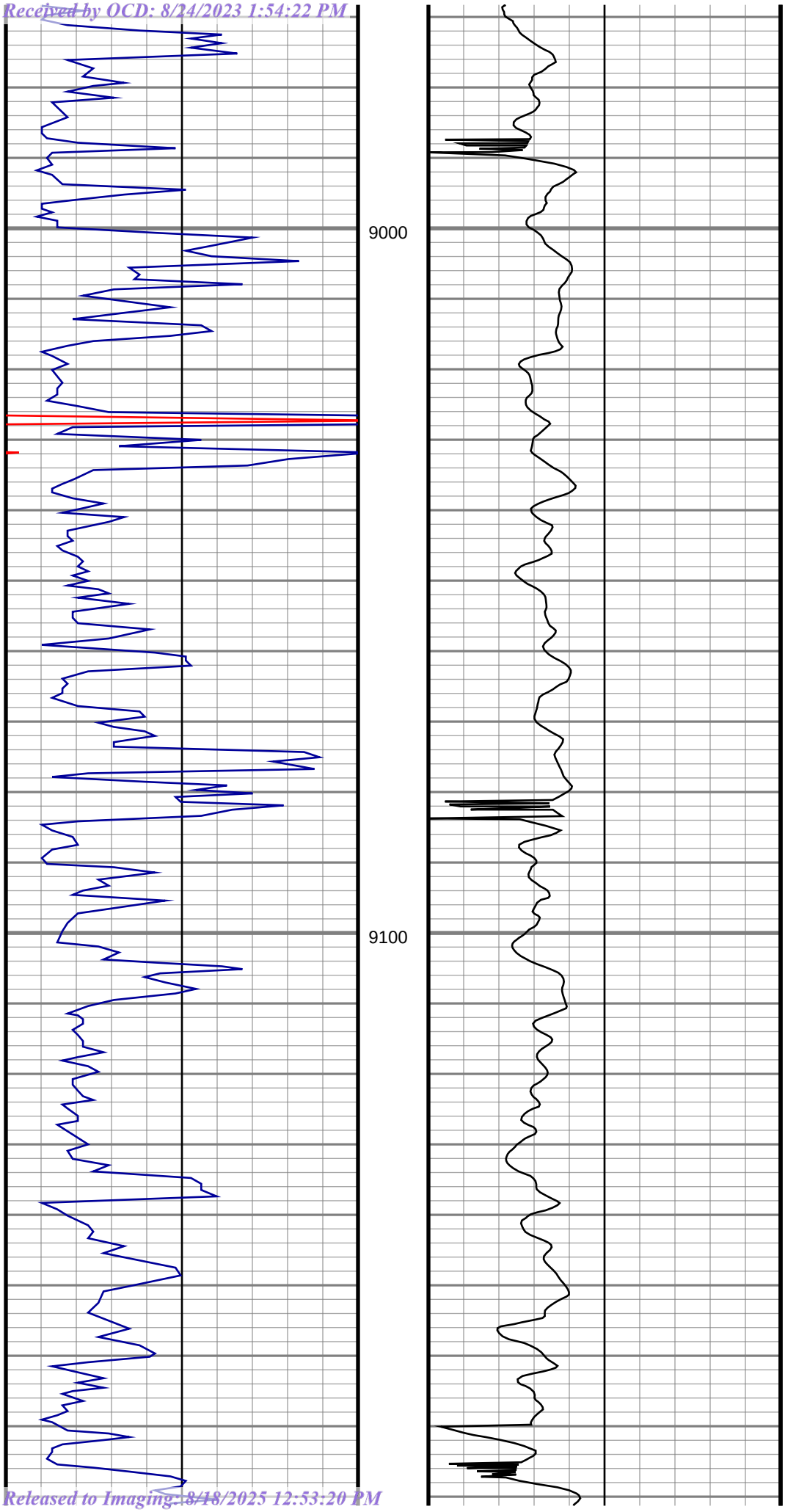
#94 MD(8735.00) Inc(0.97) Azm(241.03) TVD(8726.97)
DLS(0.40)



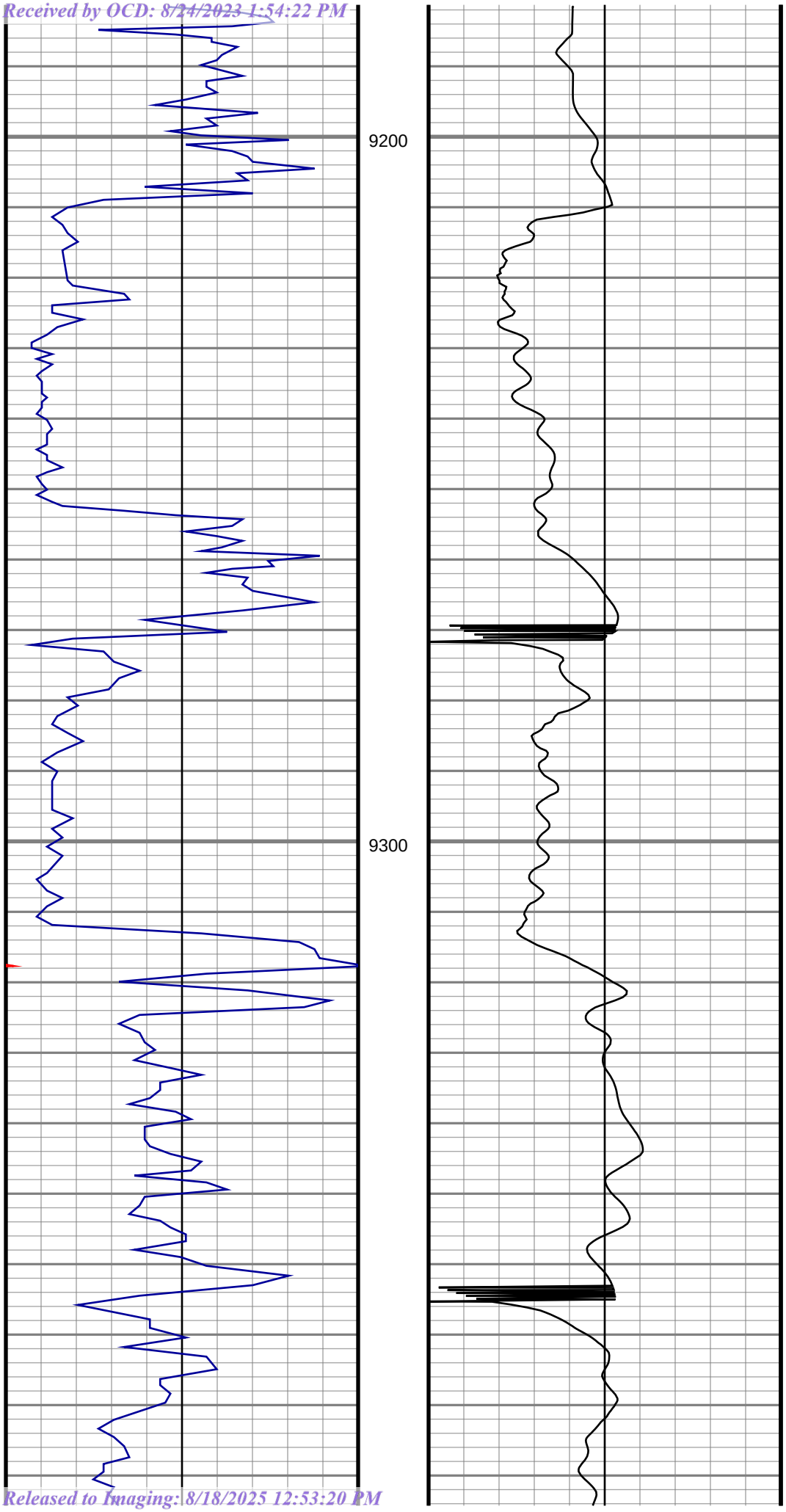
#95 MD(8830.00) Inc(0.97) Azm(245.87) TVD(8821.96) DLS(0.09)

#96 MD(8925.00) Inc(1.41) Azm(251.23) TVD(8916.94) DLS(0.48)



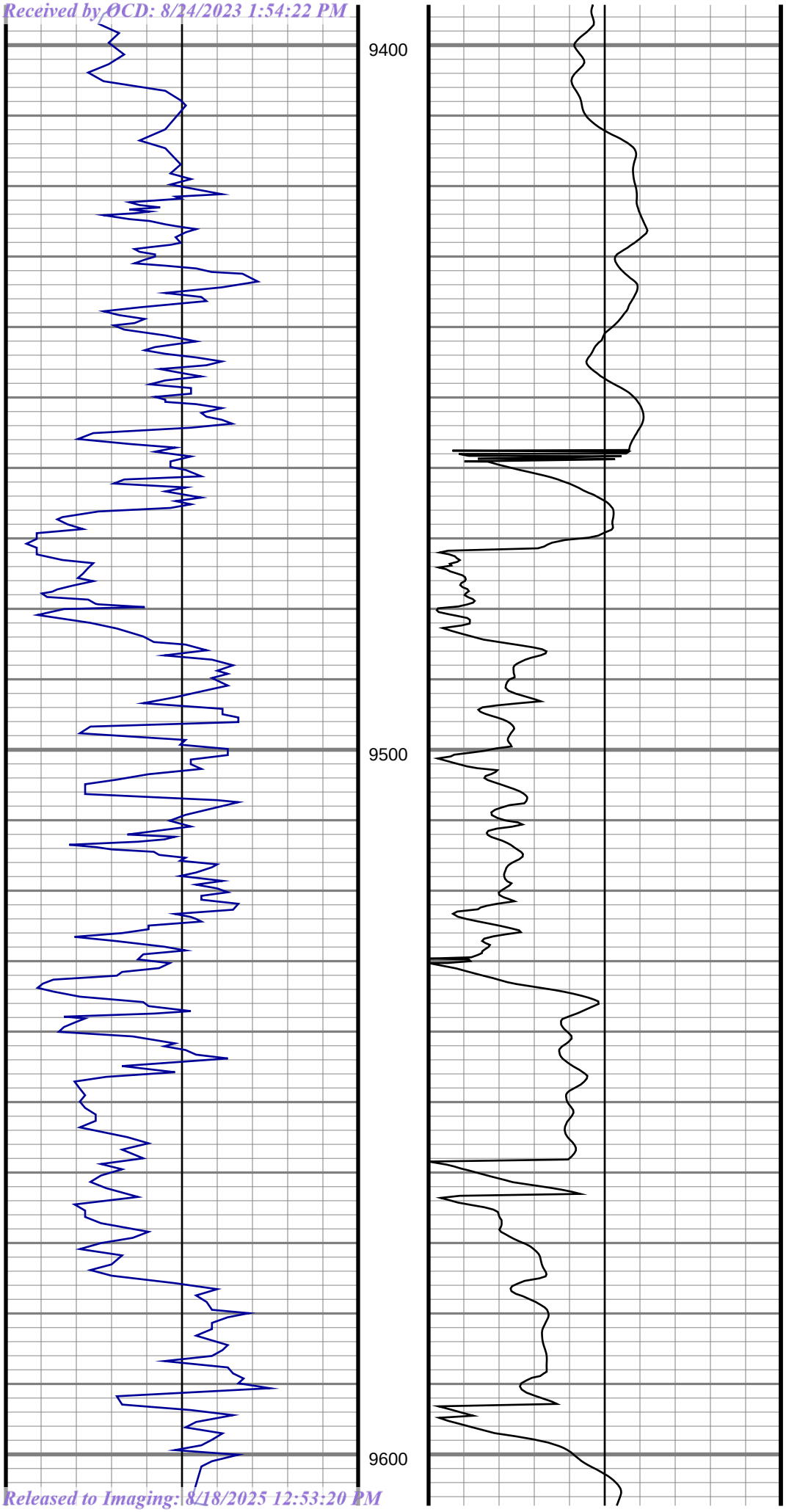
#97 MD(9020.00) Inc(1.49) Azm(238.92) TVD(9011.91) DLS(0.34)

#98 MD(9115.00) Inc(1.58) Azm(252.37) TVD(9106.87) DLS(0.39)



#99 MD(9210.00) Inc(1.58) Azm(277.42) TVD(9201.84) DLS(0.72)

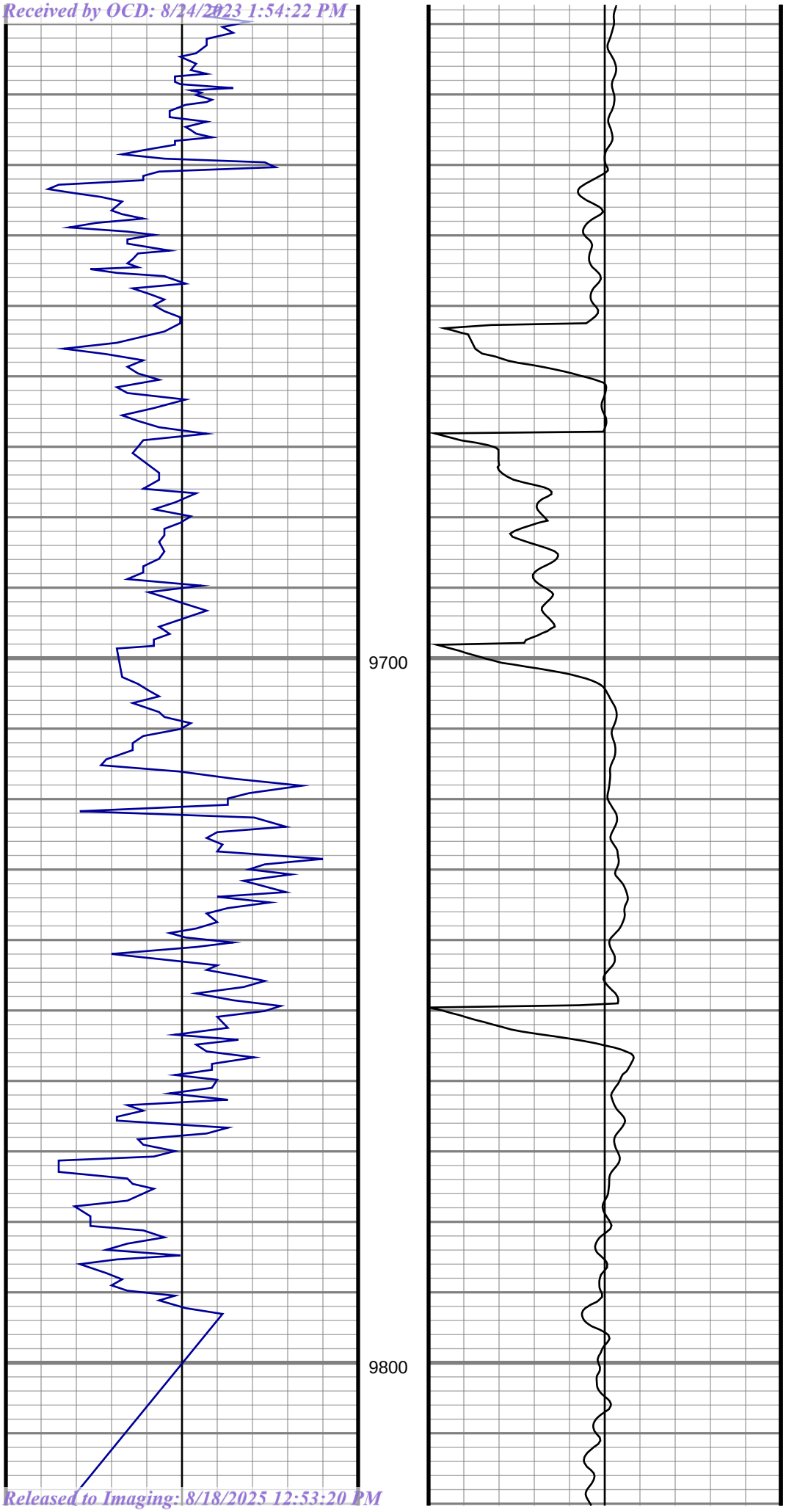
#100 MD(9305.00) Inc(1.14) Azm(298.42) TVD(9296.81) DLS(0.69)



#101 MD(9400.00) Inc(1.58) Azm(315.12) TVD(9391.78) DLS(0.62)

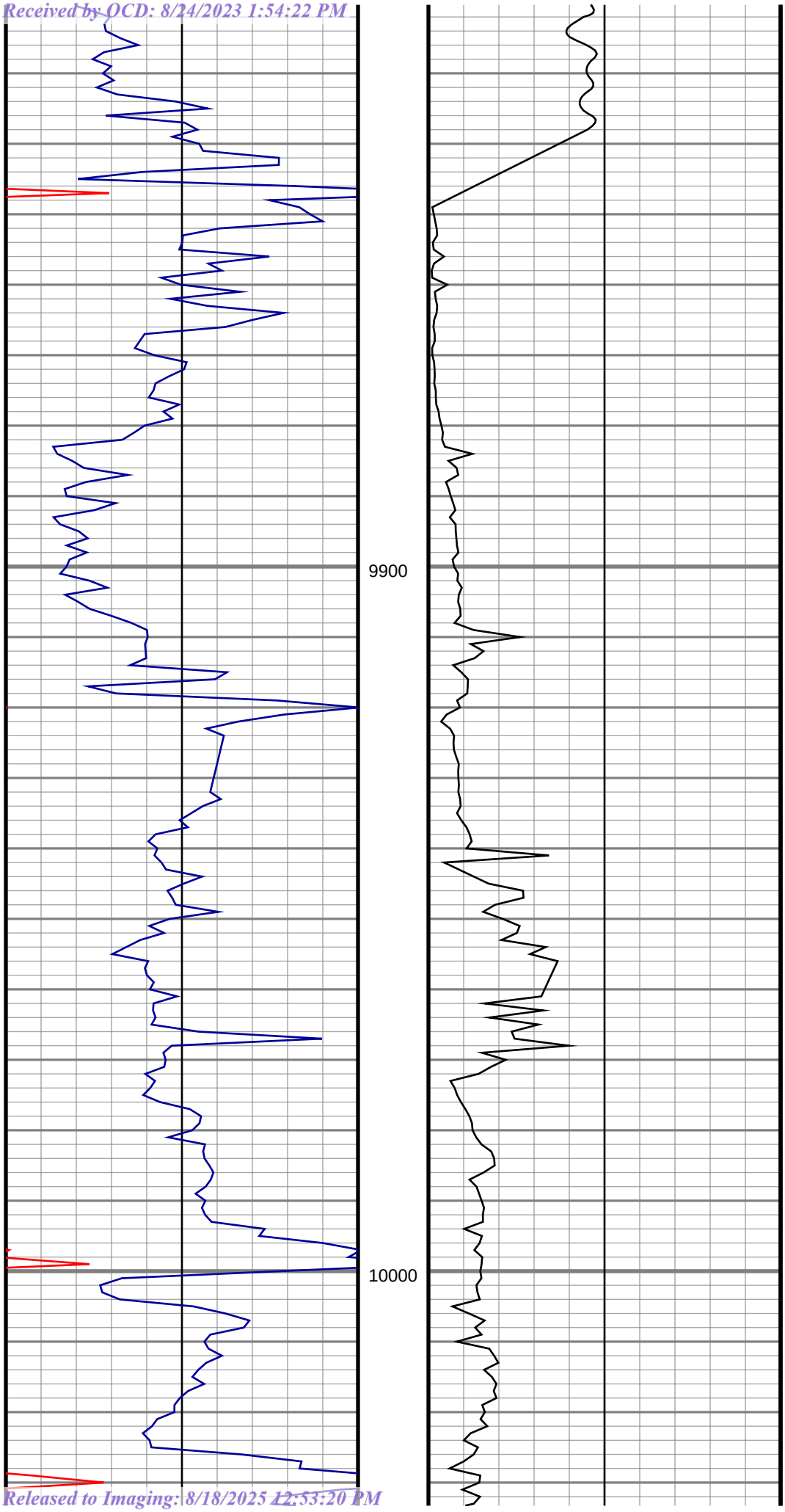
#102 MD(9494.00) Inc(2.29) Azm(321.98) TVD(9485.73) DLS(0.79)

#103 MD(9589.00) Inc(1.76) Azm(311.96) TVD(9580.67) DLS(0.67)



#104 MD(9684.00) Inc(0.97) Azm(266.08) TVD(9675.65) DLS(1.36)

#105 MD(9779.00) Inc(0.79) Azm(222.93) TVD(9770.64) DLS(0.70)



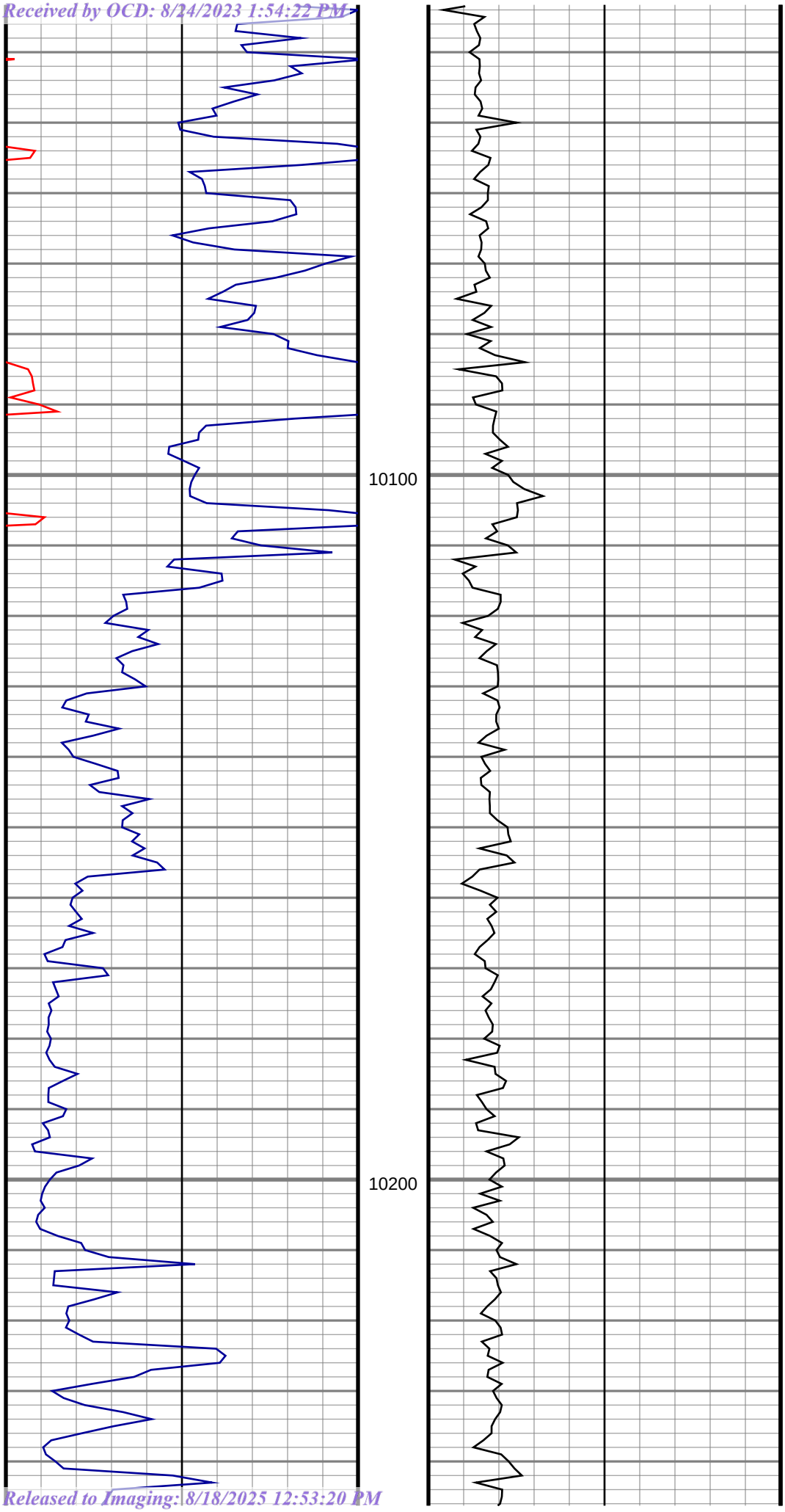
#106 MD(9840.00) Inc(3.79) Azm(179.20) TVD(9831.58) DLS(5.35)

#107 MD(9861.00) Inc(6.56) Azm(174.54) TVD(9852.49) DLS(13.33)

#108 MD(9908.00) Inc(14.19) Azm(162.93) TVD(9898.70) DLS(16.75)

#109 MD(9956.00) Inc(17.60) Azm(169.53) TVD(9944.86) DLS(8.03)

#110 MD(10008.00) Inc(22.26) Azm(183.35) TVD(9993.76) DLS(12.69)



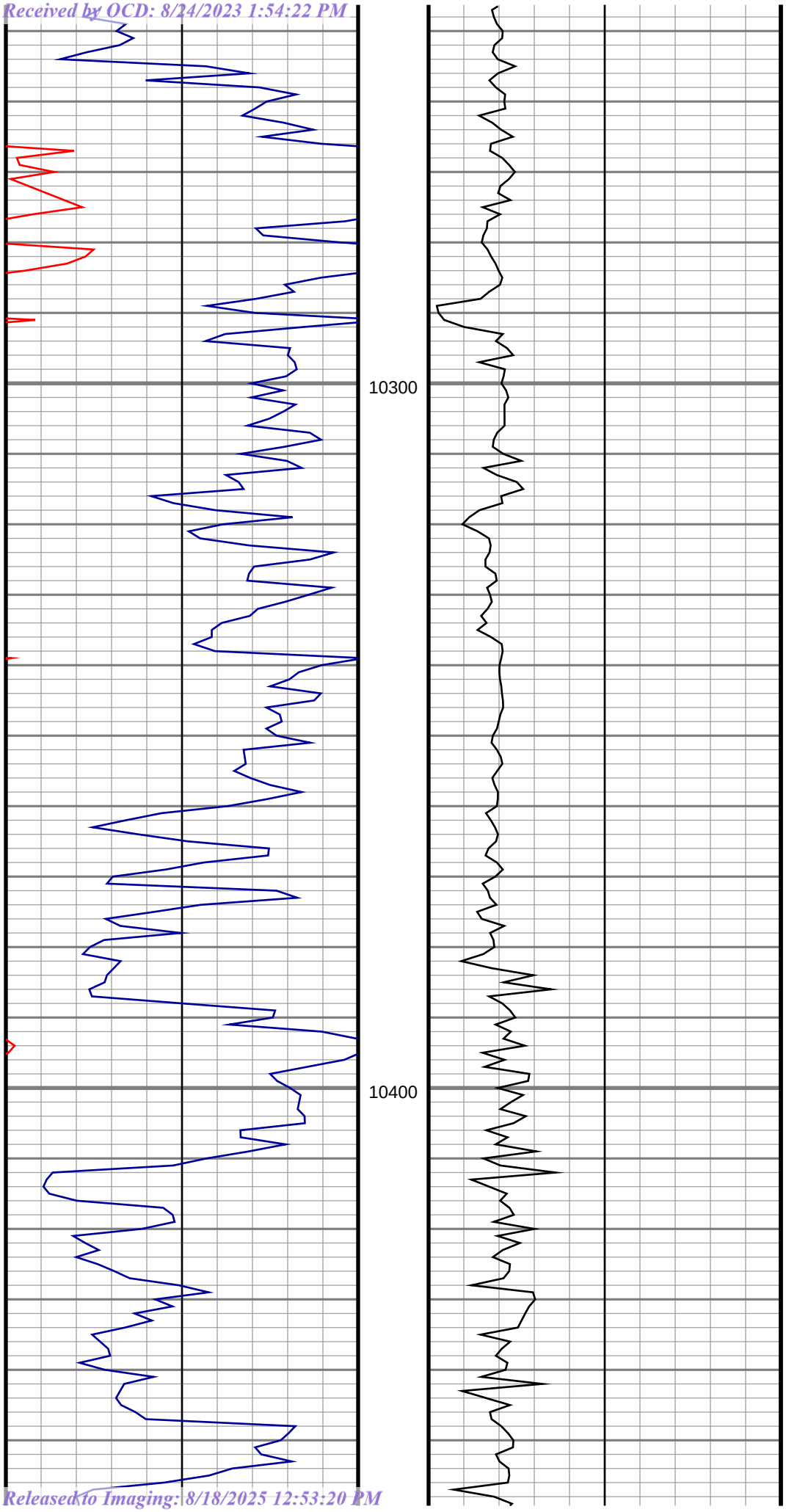
#111 MD(10056.00) Inc(25.75) Azm(185.47) TVD(10037.60) DLS(7.49)

#112 MD(10103.00) Inc(27.53) Azm(184.12) TVD(10079.61) DLS(4.00)

#113 MD(10151.00) Inc(35.23) Azm(182.55) TVD(10120.56) DLS(16.13)

#114 MD(10197.00) Inc(43.14) Azm(180.28) TVD(10156.19) DLS(17.47)

#115 MD(10245.00) Inc(44.68) Azm(179.80) TVD(10190.77) DLS(3.28)

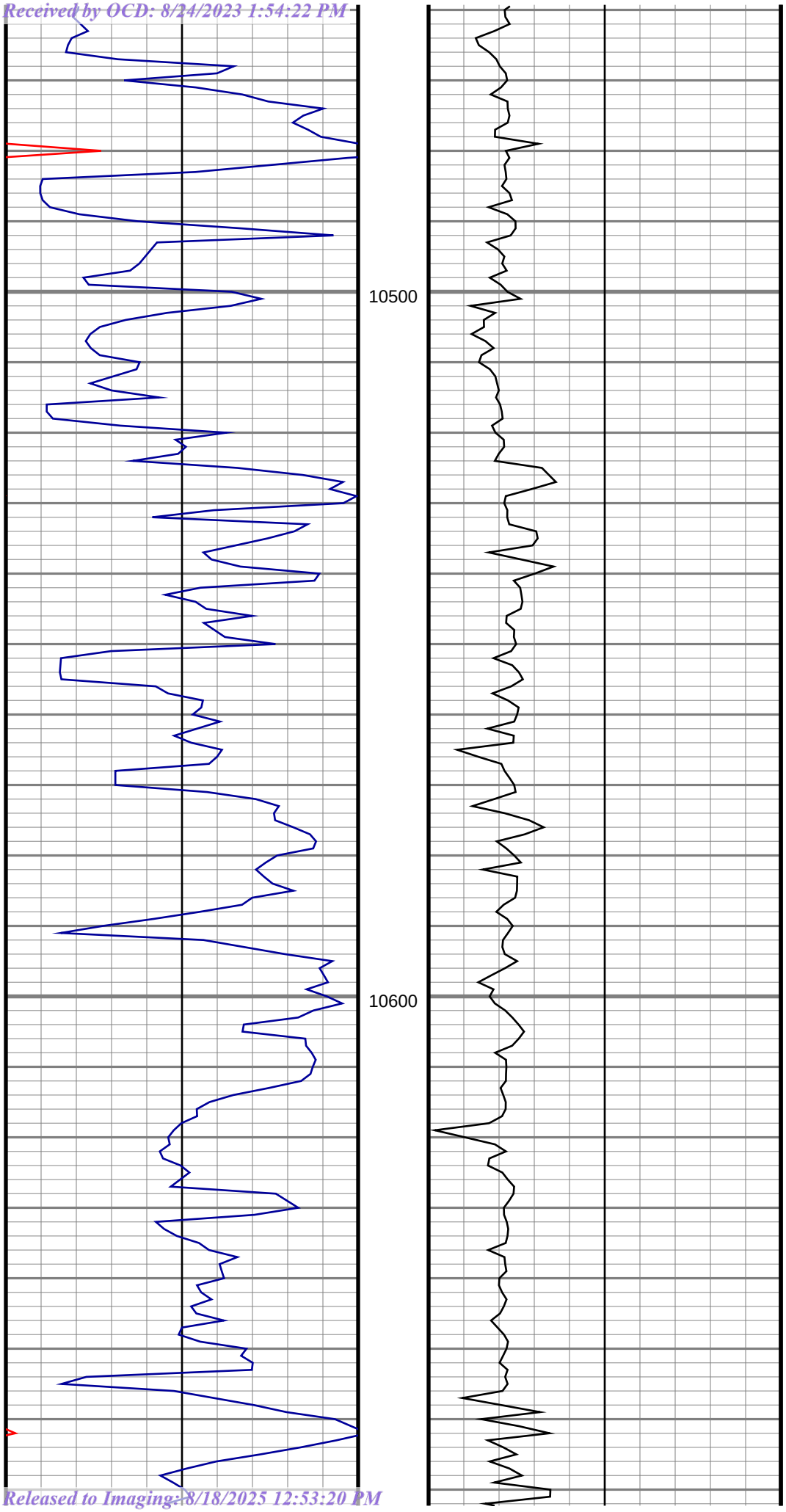


#116 MD(10292.00) Inc(44.98) Azm(178.98) TVD(10224.10) DLS(1.39)

#117 MD(10340.00) Inc(49.41) Azm(179.18) TVD(10256.71) DLS(9.23)

#118 MD(10387.00) Inc(53.31) Azm(179.81) TVD(10286.05) DLS(8.36)

#119 MD(10435.00) Inc(50.98) Azm(179.87) TVD(10315.50) DLS(4.86)



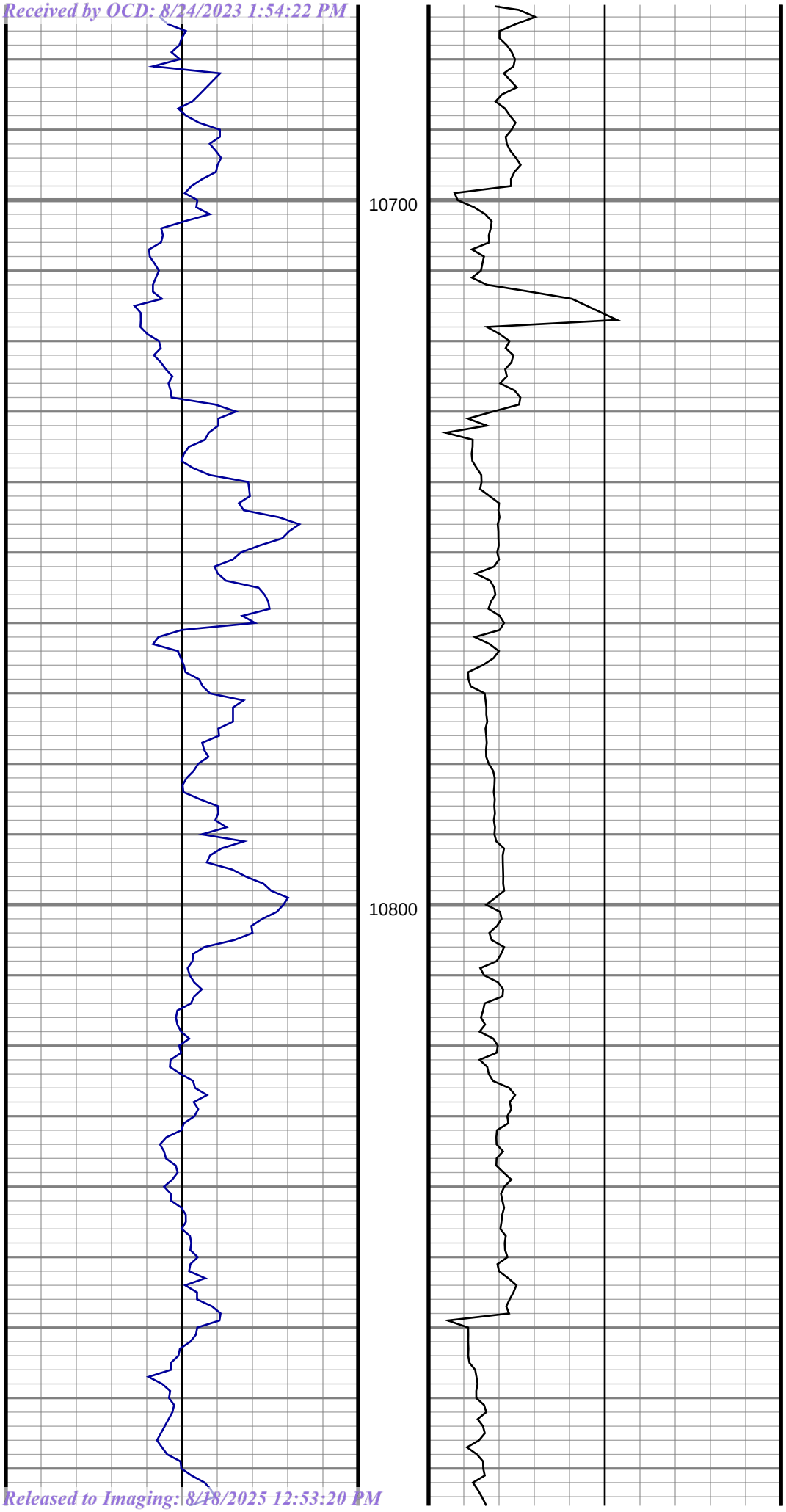
#120 MD(10482.00) Inc(51.73) Azm(179.74) TVD(10344.85) DLS(1.61)

#121 MD(10530.00) Inc(54.40) Azm(179.25) TVD(10373.70) DLS(5.62)

#122 MD(10577.00) Inc(54.47) Azm(178.18) TVD(10401.03) DLS(1.86)

#123 MD(10625.00) Inc(59.65) Azm(179.28) TVD(10427.12) DLS(10.96)

#124 MD(10672.00) Inc(63.60) Azm(179.87) TVD(10449.46) DLS(8.48)

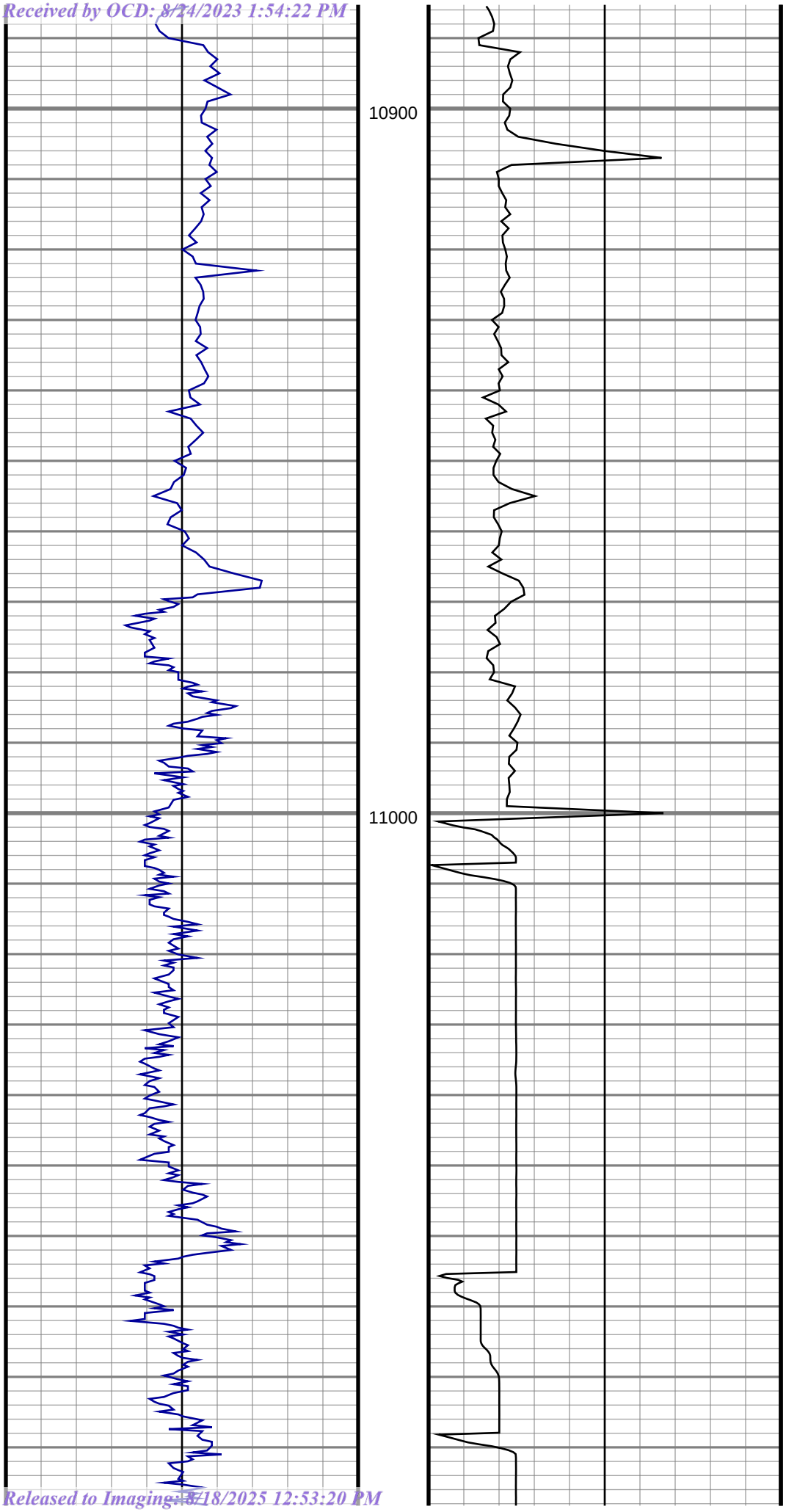


#125 MD(10720.00) Inc(65.09) Azm(178.84) TVD(10470.24) DLS(3.66)

#126 MD(10767.00) Inc(72.18) Azm(178.51) TVD(10487.35) DLS(15.10)

#127 MD(10815.00) Inc(80.93) Azm(180.38) TVD(10498.50) DLS(18.62)

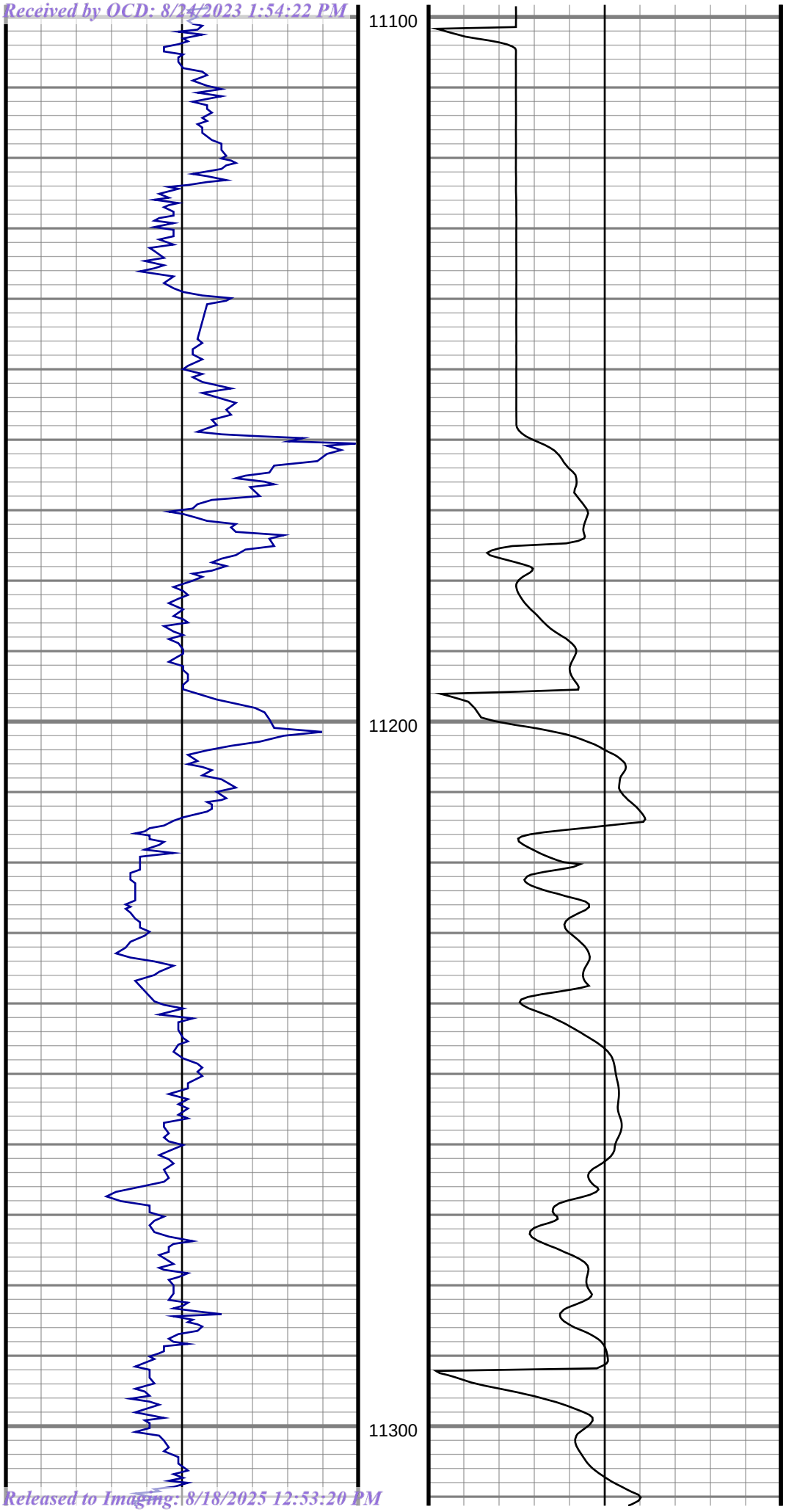
#128 MD(10862.00) Inc(83.55) Azm(179.50) TVD(10504.85) DLS(5.88)



#129 MD(10910.00) Inc(88.50) Azm(180.56) TVD(10508.17) DLS(10.55)

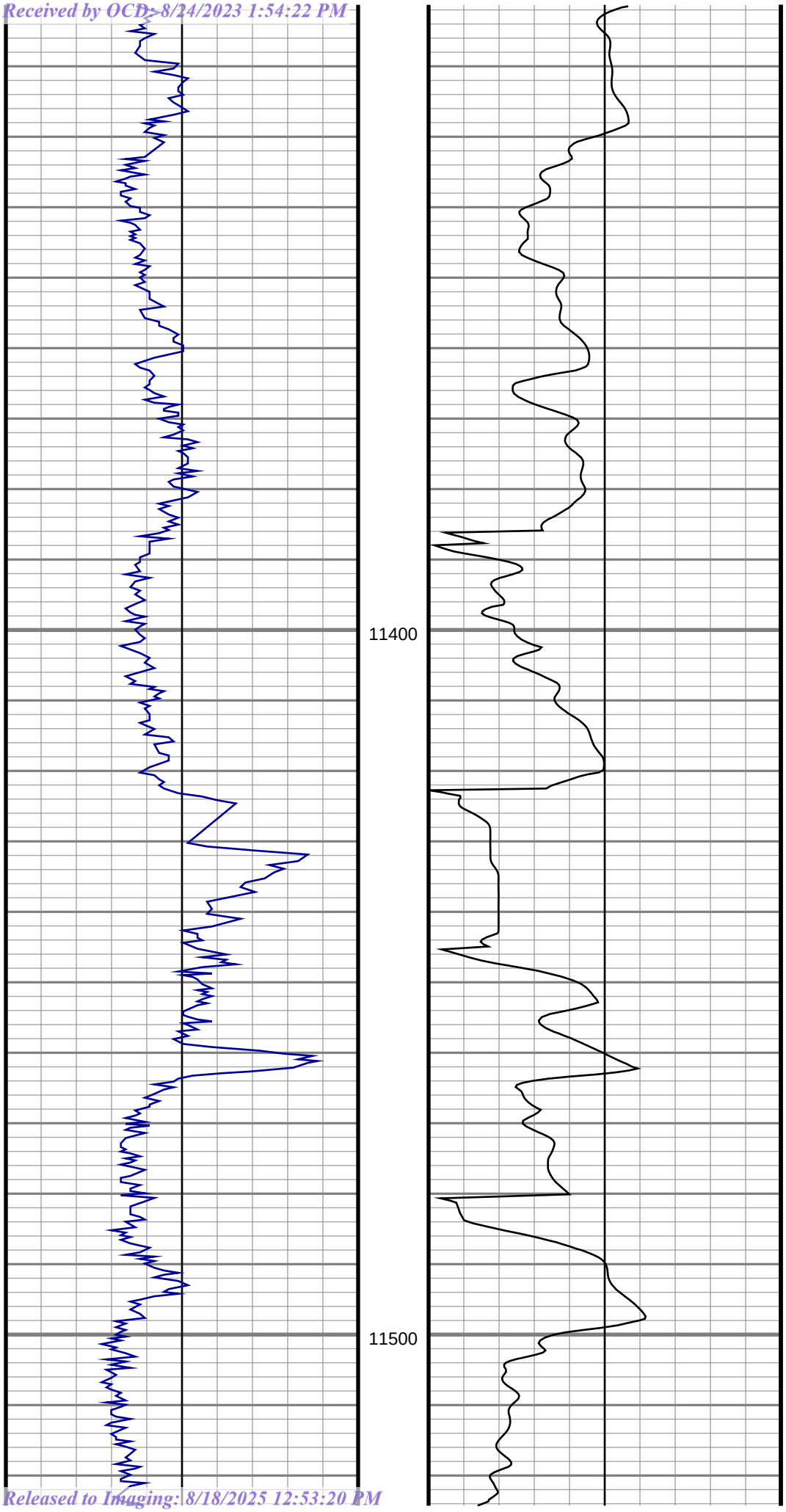
#130 MD(10957.00) Inc(89.18) Azm(180.02) TVD(10509.12) DLS(1.85)

#131 MD(11037.00) Inc(91.10) Azm(178.63) TVD(10508.93) DLS(2.96)



#132 MD(11133.00) Inc(87.93) Azm(180.21) TVD(10509.74) DLS(3.69)

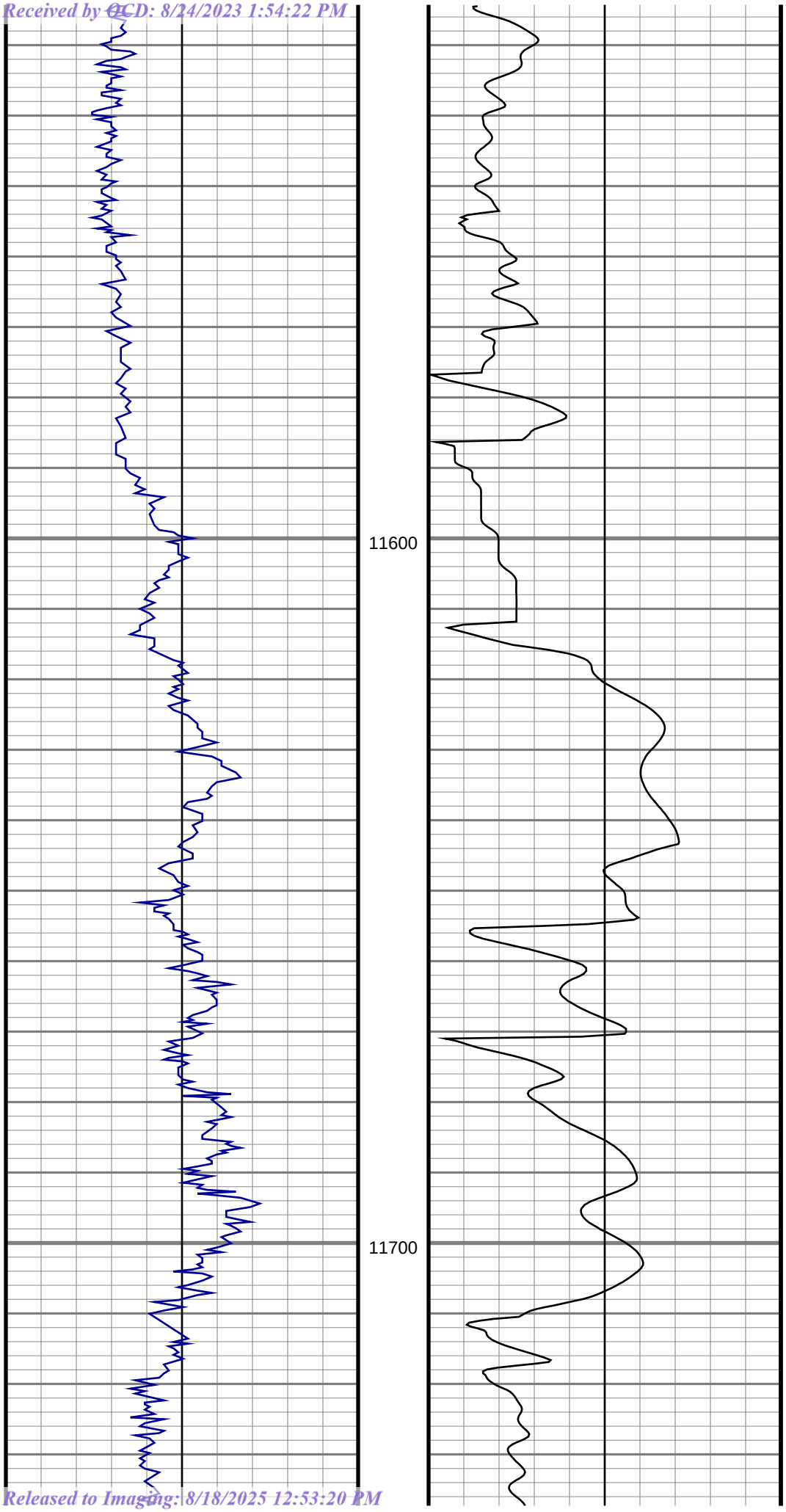
#133 MD(11227.00) Inc(87.49) Azm(180.04) TVD(10513.50) DLS(0.50)



#134 MD(11322.00) Inc(88.11) Azm(179.07) TVD(10517.14) DLS(1.21)

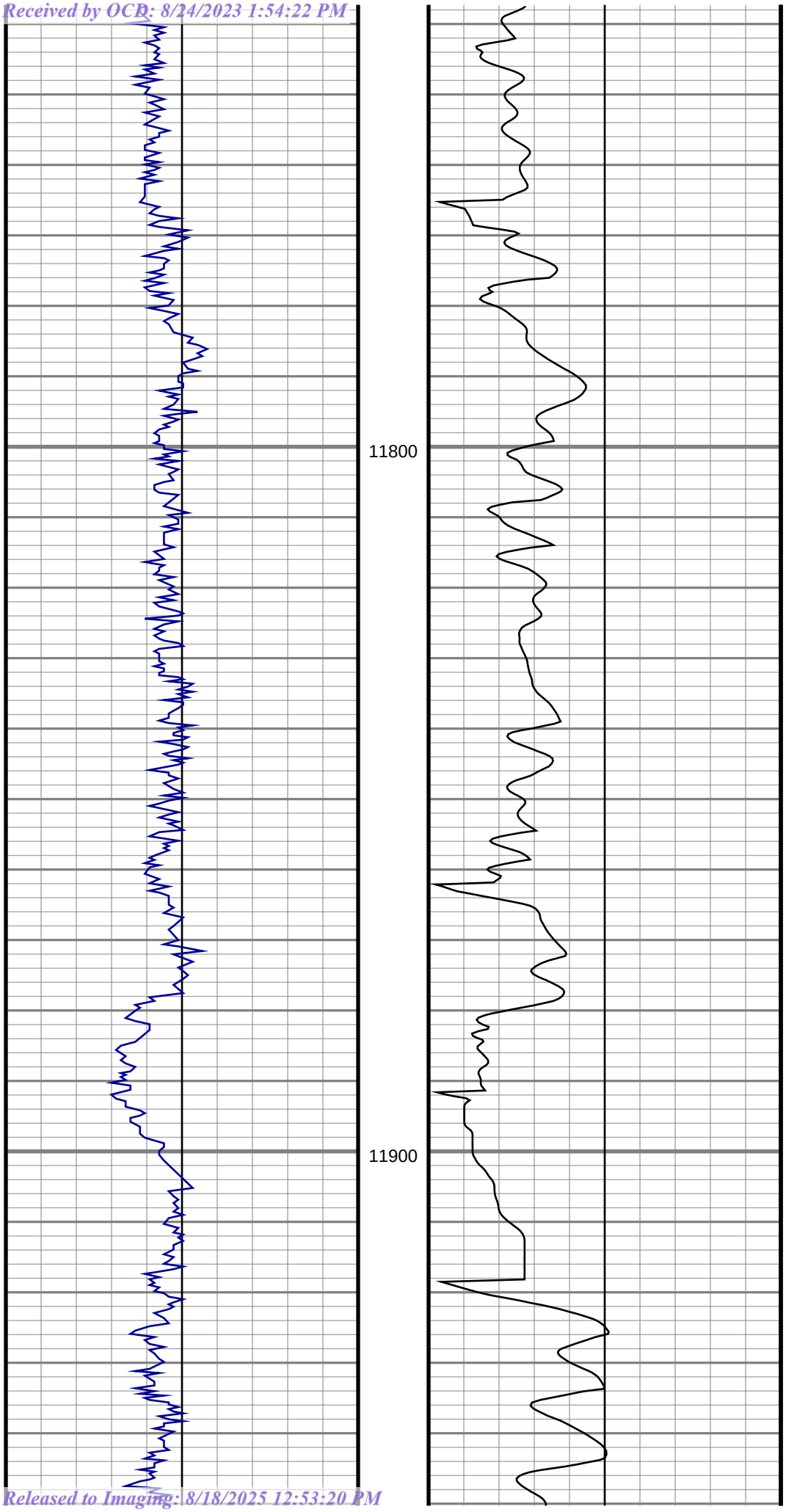
#135 MD(11417.00) Inc(87.76) Azm(178.10) TVD(10520.57) DLS(1.08)

#136 MD(11512.00) Inc(91.01) Azm(178.19) TVD(10521.59) DLS(3.42)



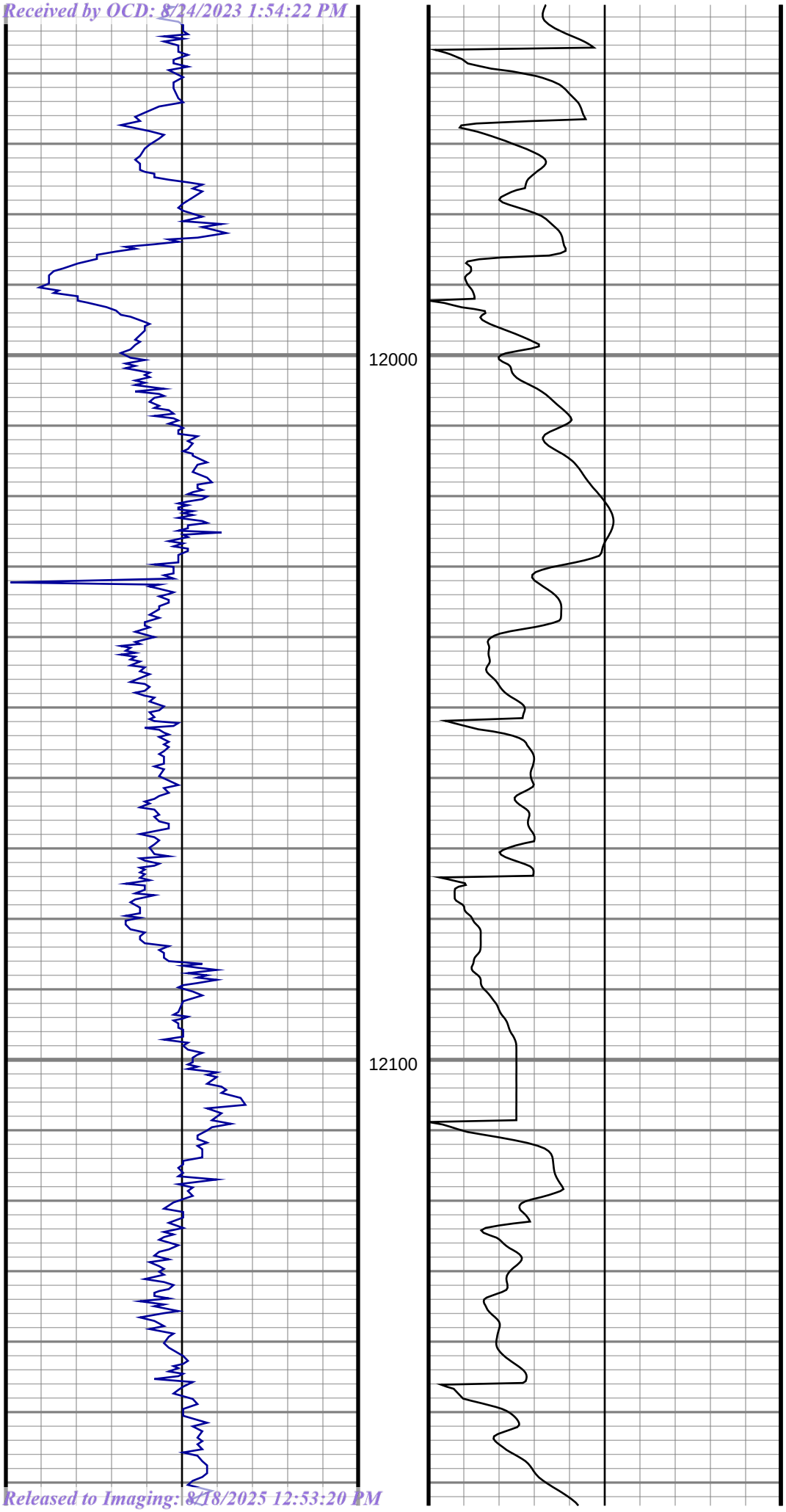
#137 MD(11607.00) Inc(90.13) Azm(181.00) TVD(10520.64) DLS(3.10)

#138 MD(11702.00) Inc(90.13) Azm(180.91) TVD(10520.43) DLS(0.09)



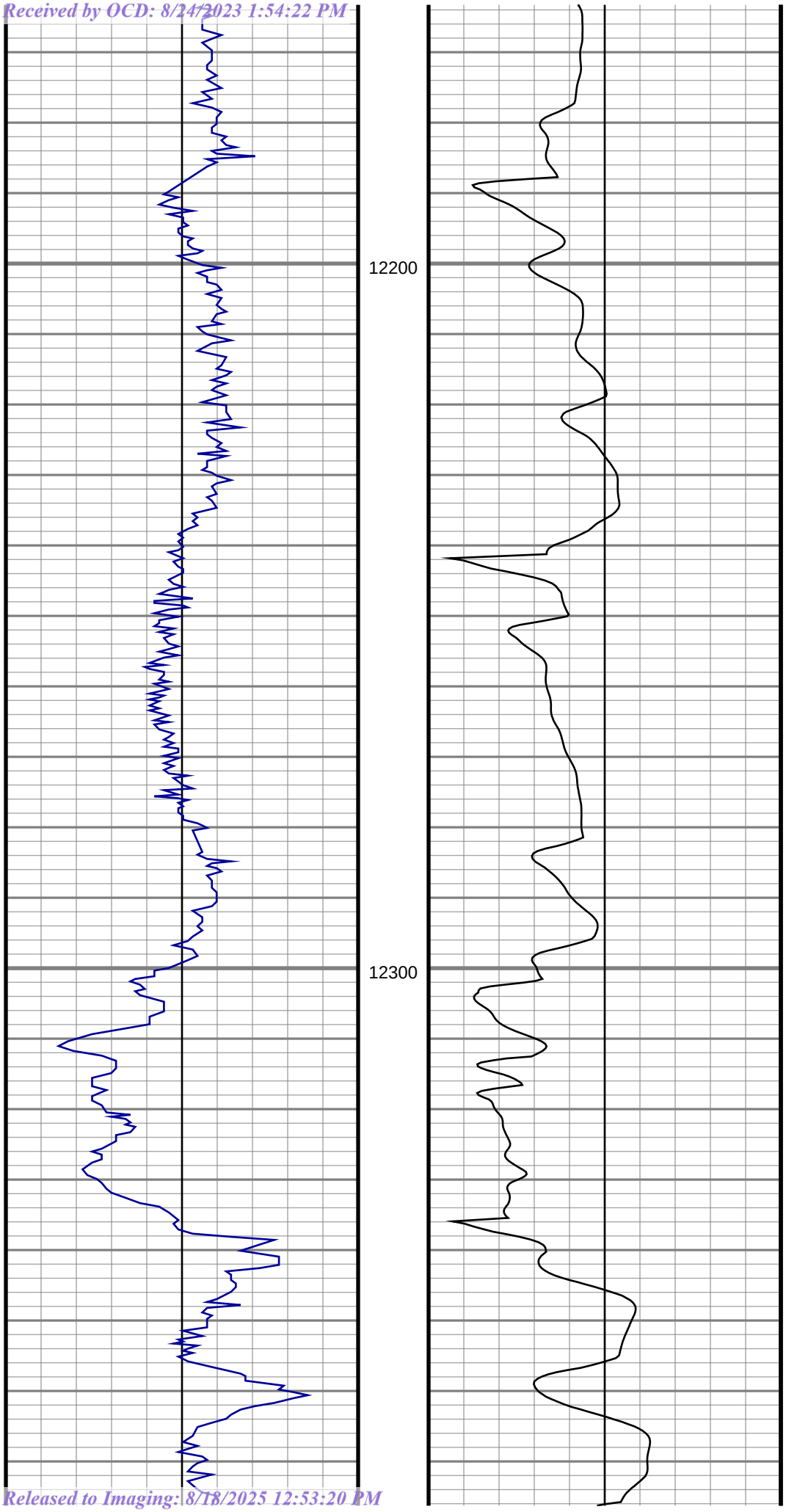
#139 MD(11797.00) Inc(89.87) Azm(178.72) TVD(10520.43) DLS(2.32)

#140 MD(11892.00) Inc(89.78) Azm(177.75) TVD(10520.72) DLS(1.03)



#141 MD(11987.00) Inc(89.34) Azm(179.25) TVD(10521.45) DLS(1.65)

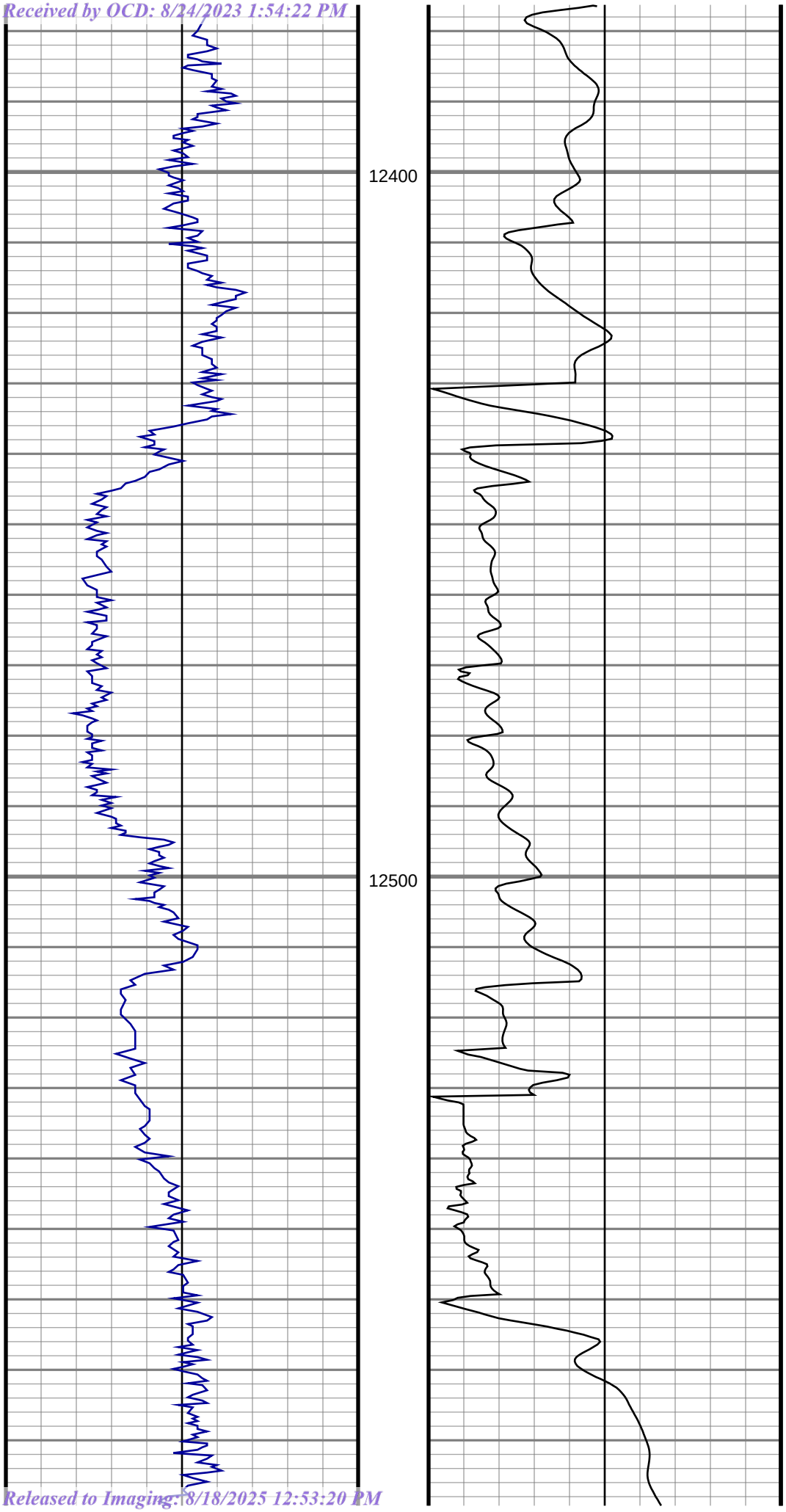
#142 MD(12082.00) Inc(89.25) Azm(179.51) TVD(10522.61) DLS(0.29)



#143 MD(12176.00) Inc(90.57) Azm(182.15) TVD(10522.76) DLS(3.14)

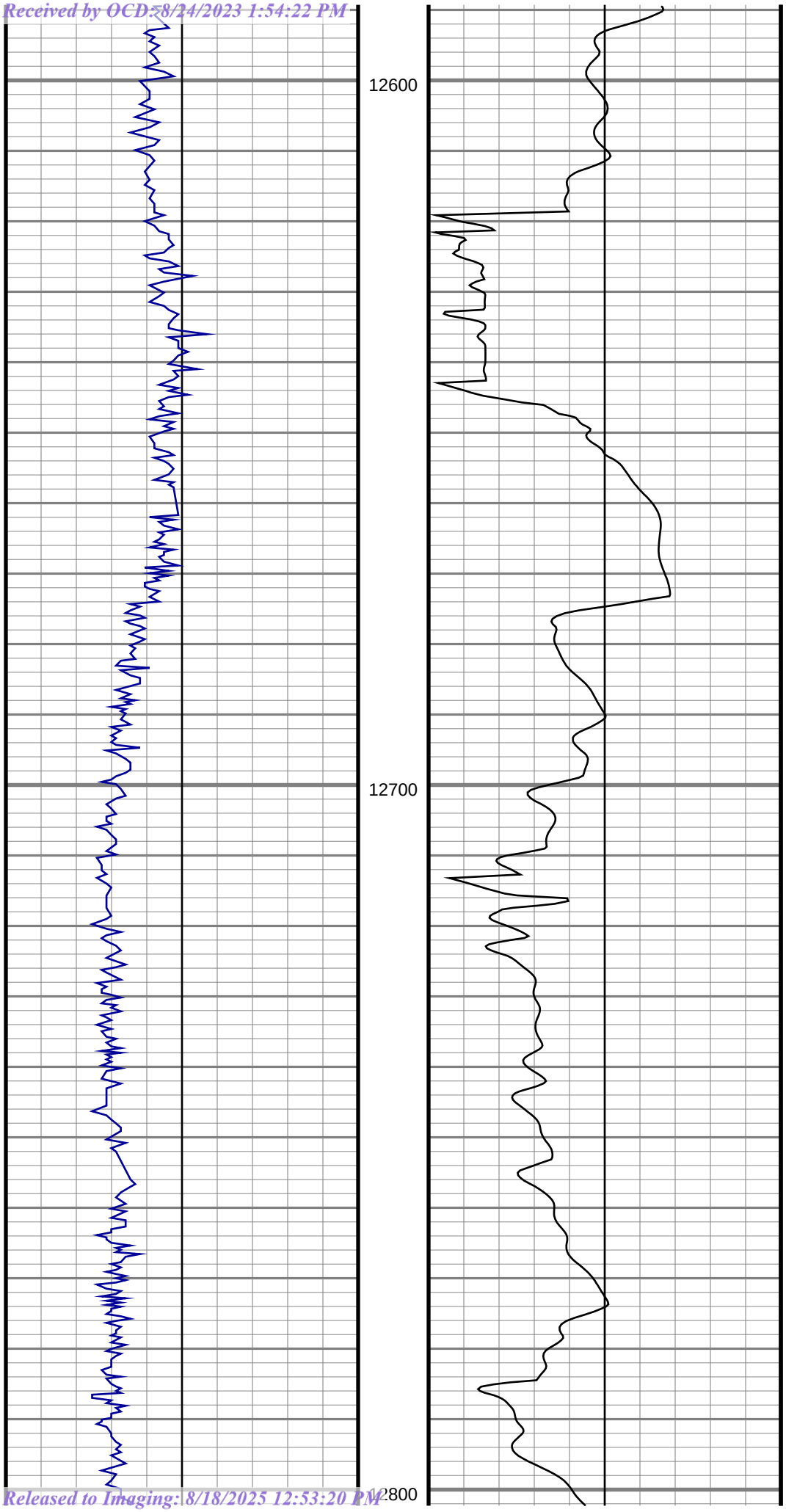
#144 MD(12271.00) Inc(90.84) Azm(181.53) TVD(10521.59) DLS(0.71)

#145 MD(12366.00) Inc(91.45) Azm(180.30) TVD(10519.70) DLS(1.44)



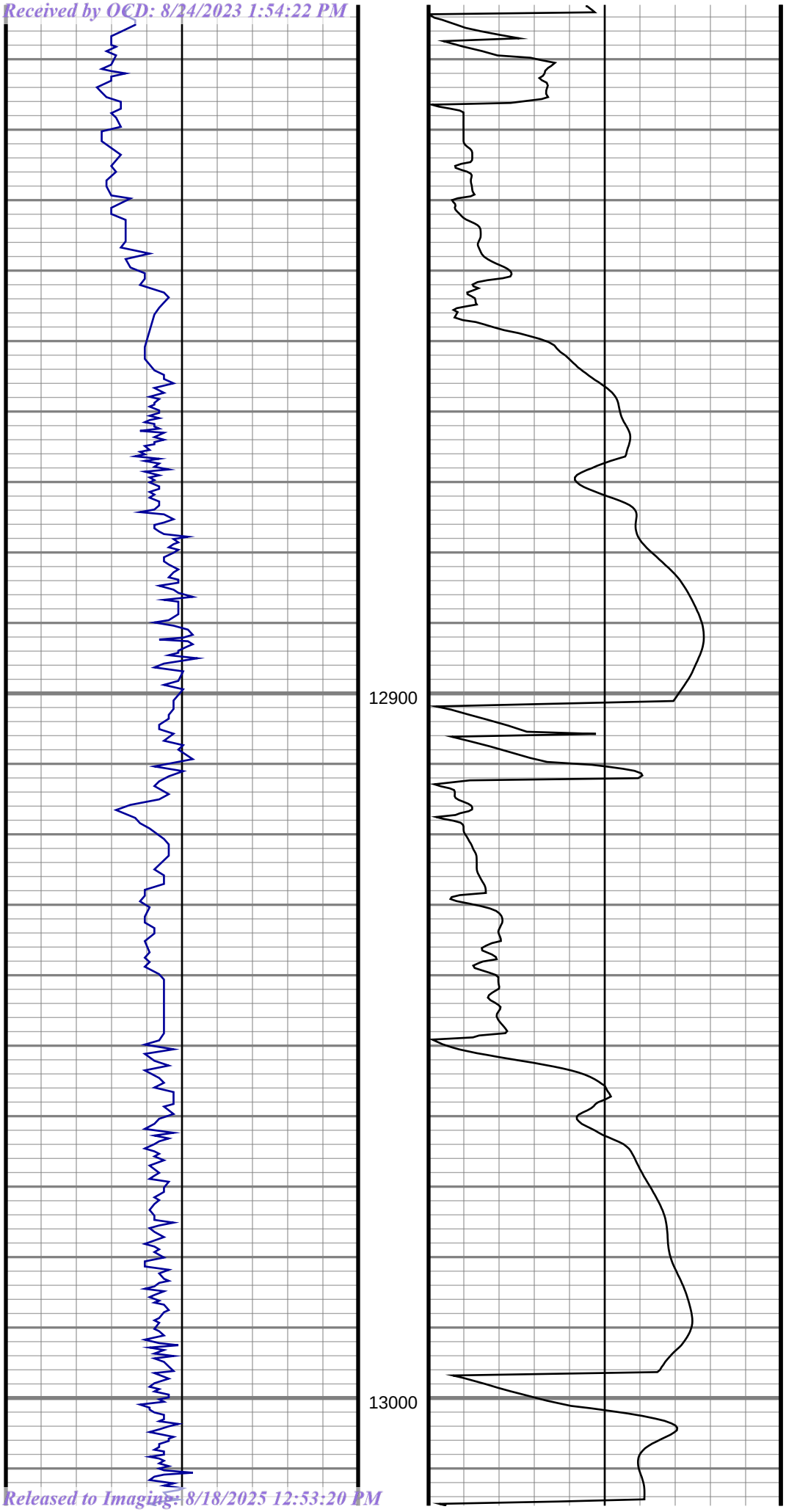
#146 MD(12461.00) Inc(88.90) Azm(179.25) TVD(10519.41) DLS(2.90)

#147 MD(12556.00) Inc(88.90) Azm(180.30) TVD(10521.23) DLS(1.11)



#148 MD(12651.00) Inc(91.19) Azm(180.48) TVD(10521.15) DLS(2.42)

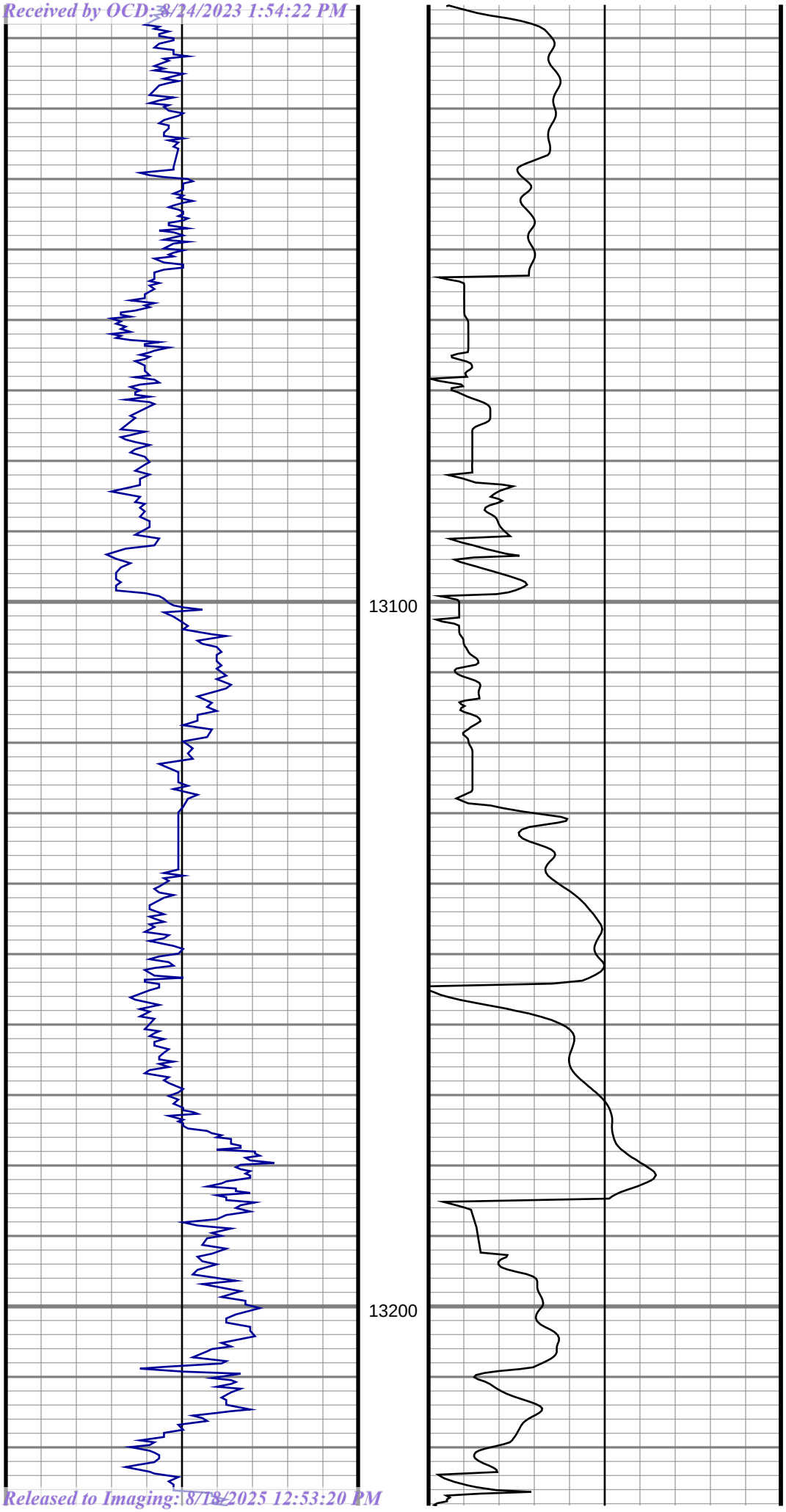
#149 MD(12746.00) Inc(90.22) Azm(179.51) TVD(10519.99) DLS(1.44)



#150 MD(12841.00) Inc(89.25) Azm(180.91) TVD(10520.42) DLS(1.79)

#151 MD(12936.00) Inc(93.91) Azm(180.30) TVD(10517.81) DLS(4.95)

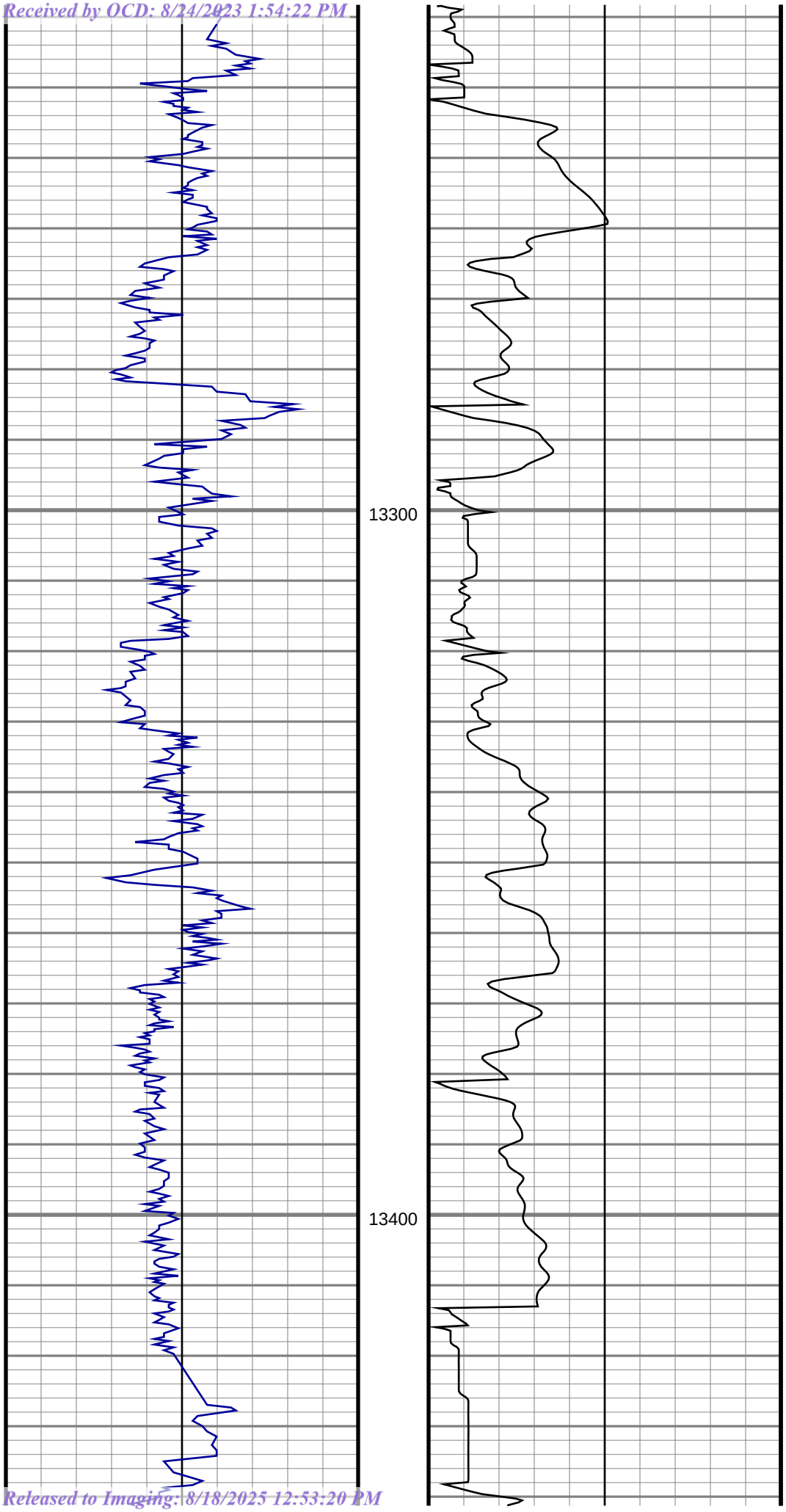
#152 MD(12987.00) Inc(96.38) Azm(180.12) TVD(10513.23) DLS(4.86)



#153 MD(13031.00) Inc(96.46) Azm(179.60) TVD(10508.31) DLS(1.19)

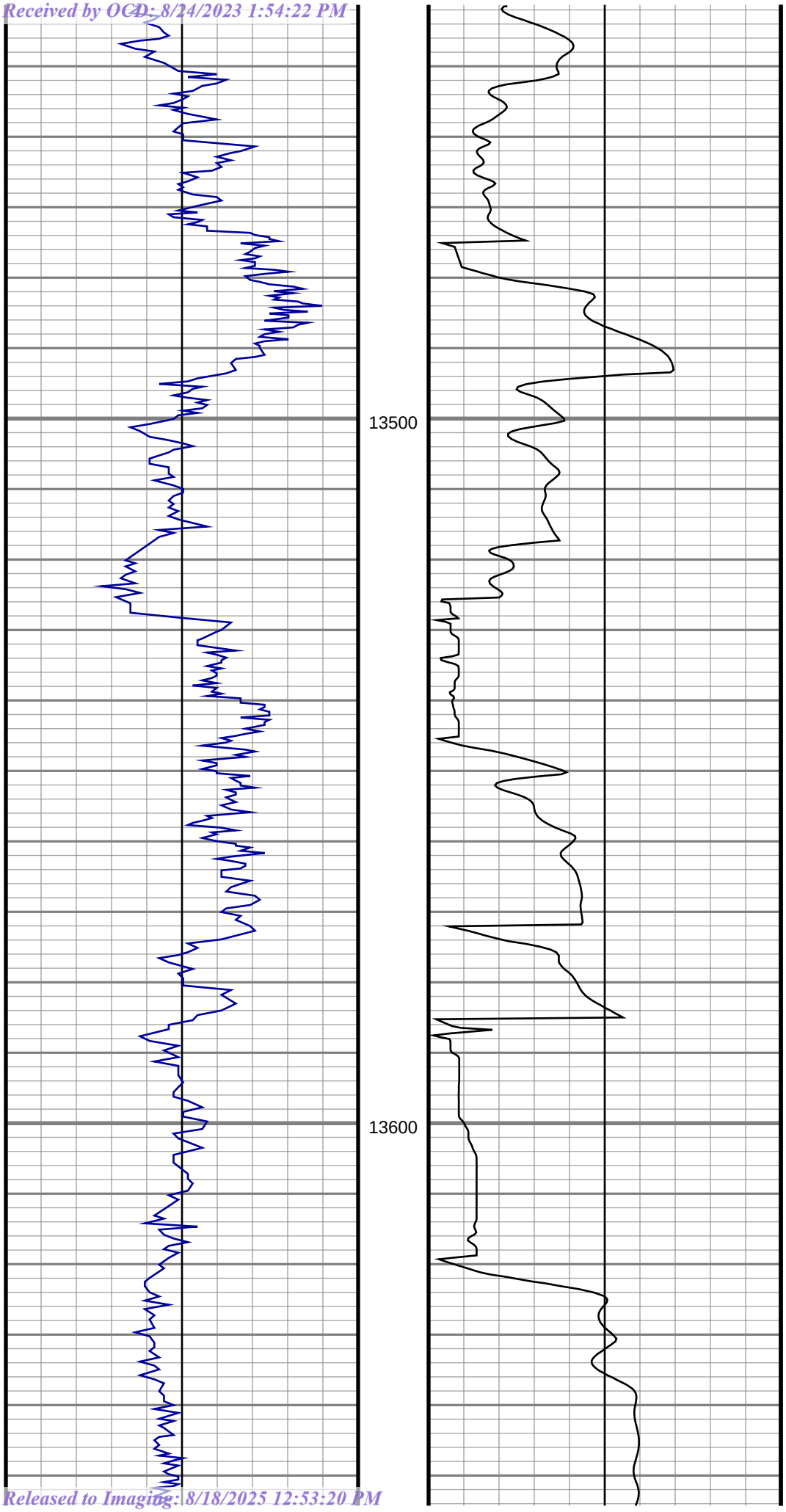
#154 MD(13126.00) Inc(91.89) Azm(181.27) TVD(10501.40) DLS(5.12)

#155 MD(13221.00) Inc(89.69) Azm(180.74) TVD(10500.09) DLS(2.38)



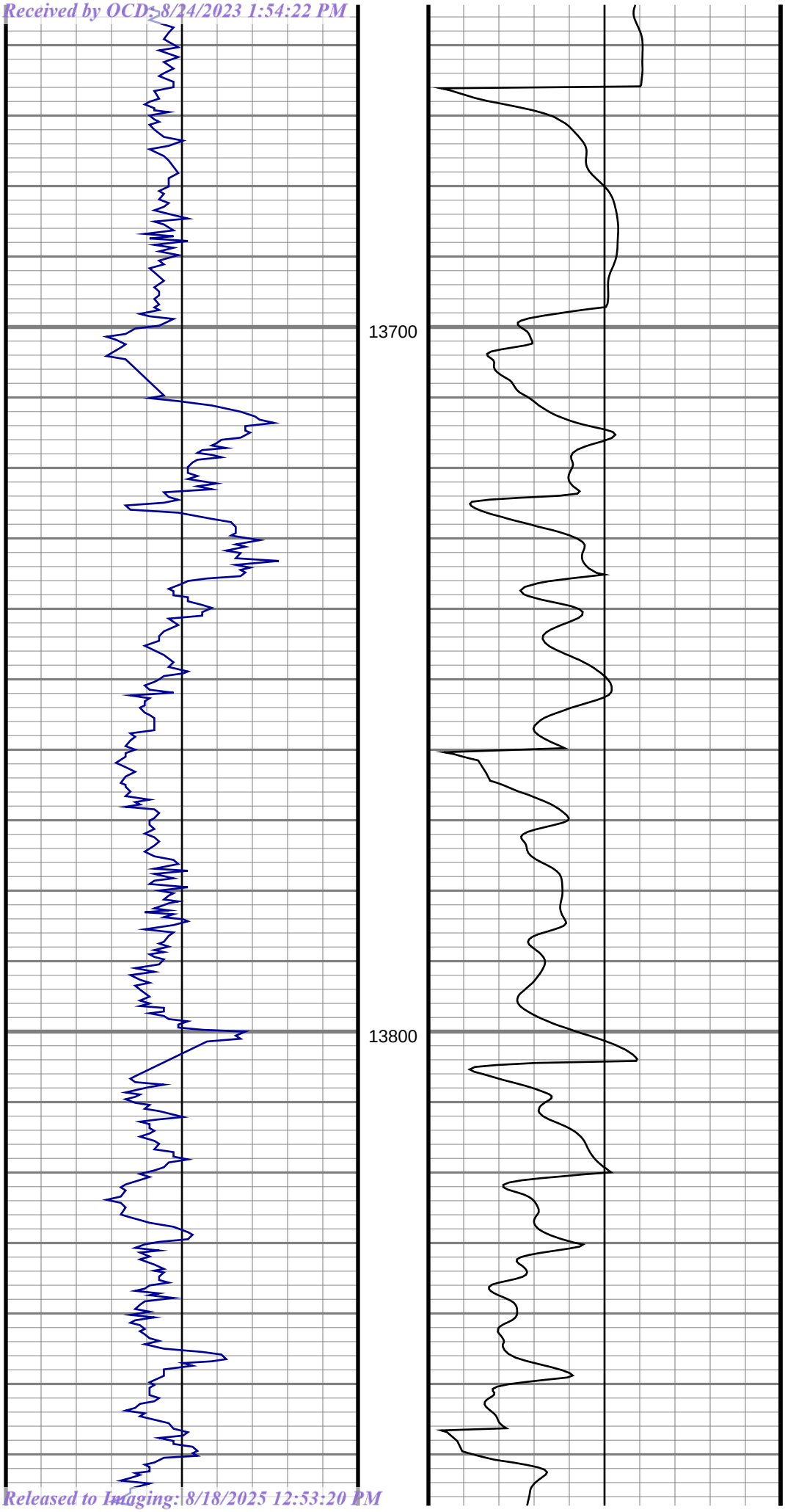
#156 MD(13317.00) Inc(88.11) Azm(179.68) TVD(10501.93) DLS(1.98)

#157 MD(13412.00) Inc(87.76) Azm(179.07) TVD(10505.35) DLS(0.74)



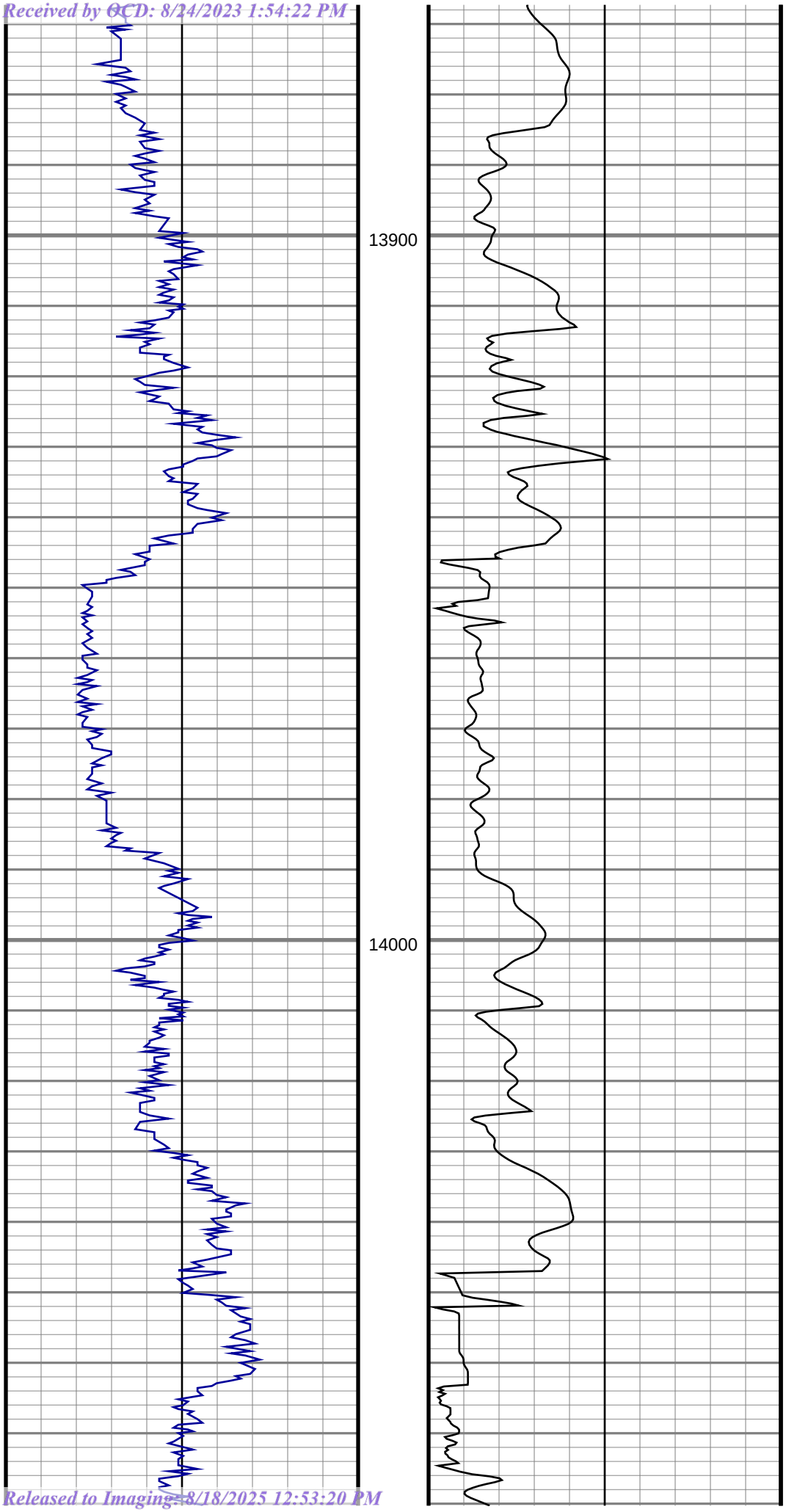
#158 MD(13507.00) Inc(83.89) Azm(179.86) TVD(10512.27) DLS(4.16)

#159 MD(13602.00) Inc(87.76) Azm(180.65) TVD(10519.18) DLS(4.16)



#160 MD(13698.00) Inc(89.43) Azm(179.51) TVD(10521.54) DLS(2.11)

#161 MD(13793.00) Inc(89.60) Azm(179.60) TVD(10522.34) DLS(0.20)



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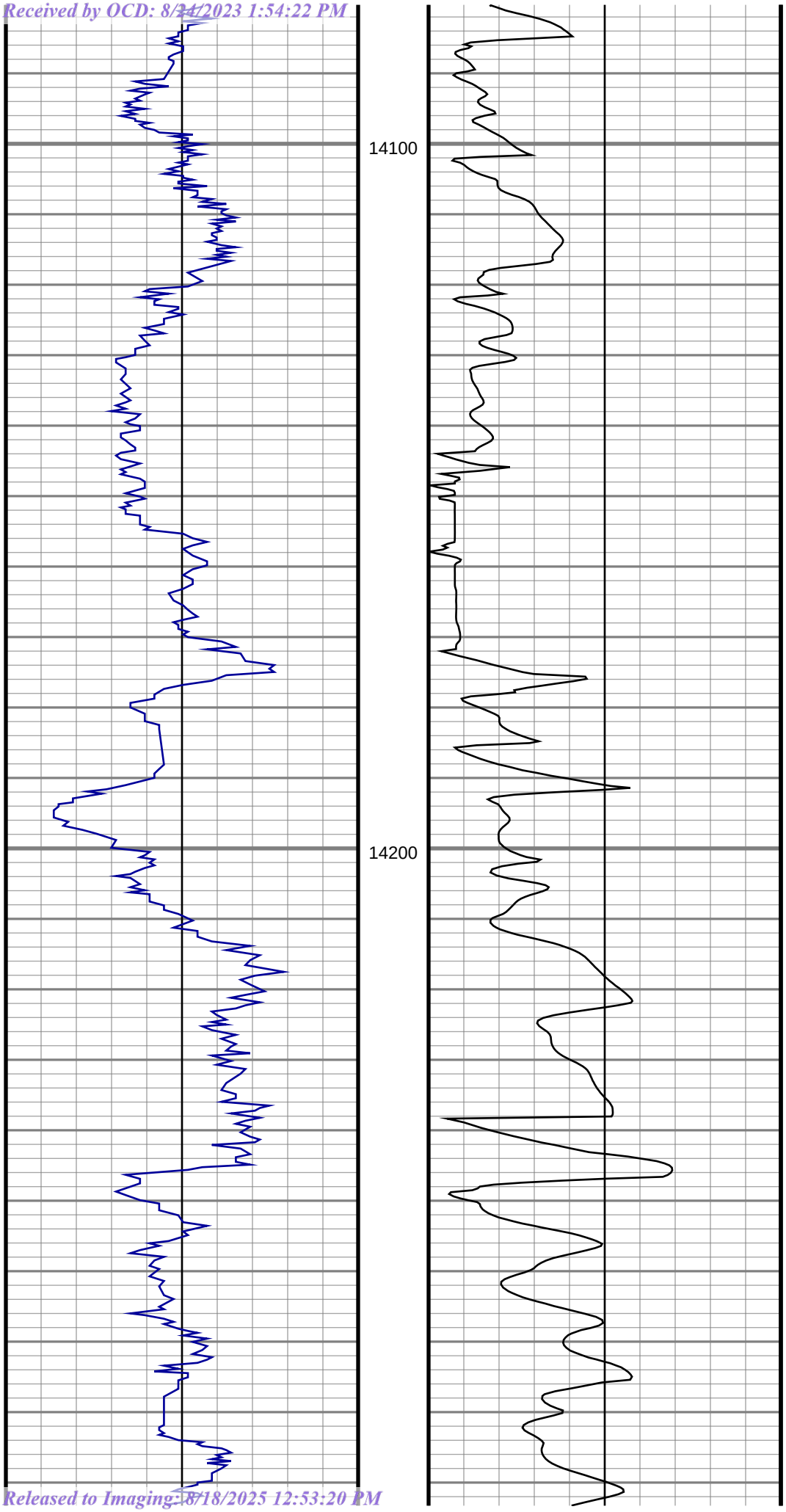
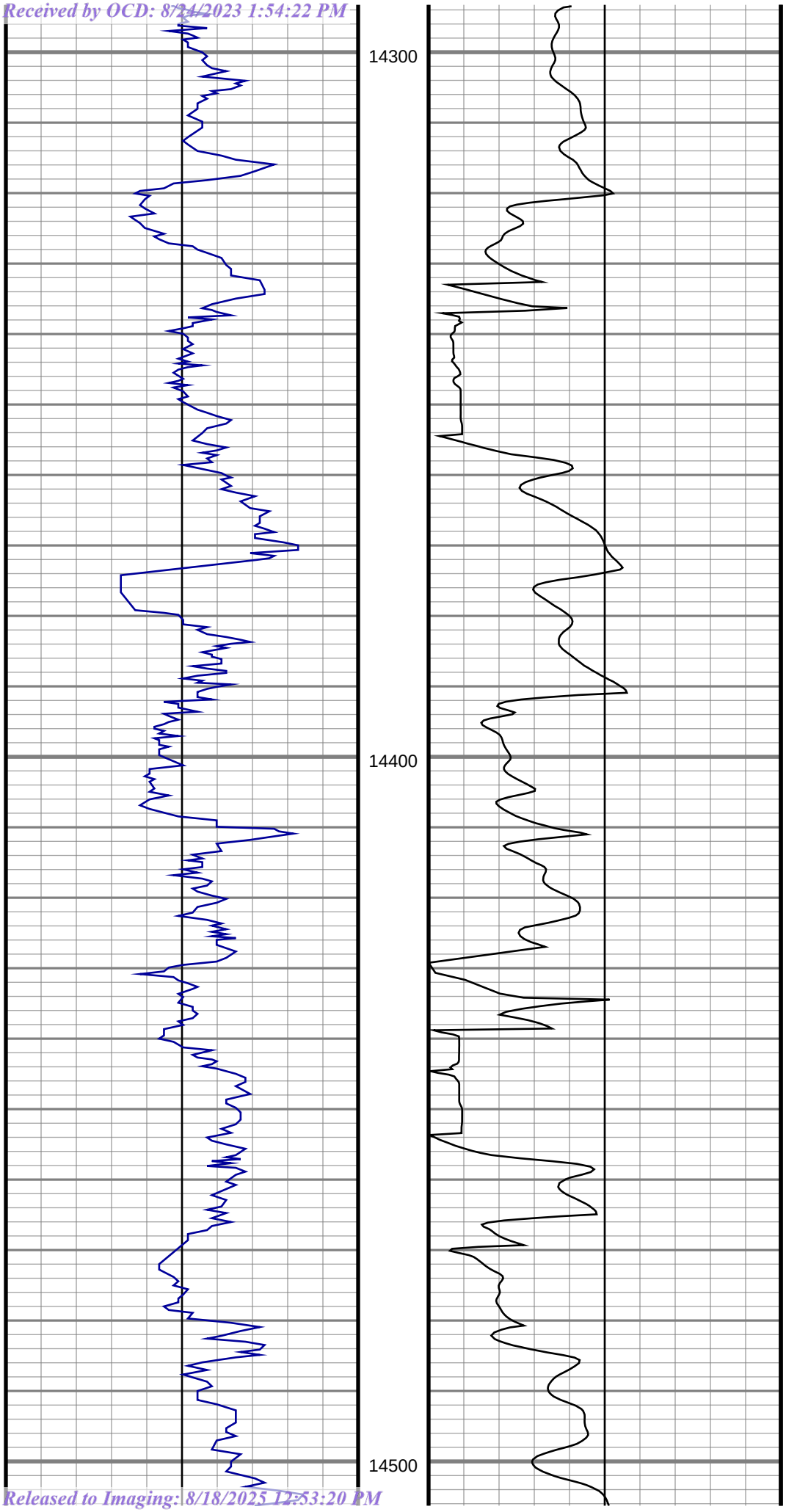
#163 MD(13984.00) Inc(93.21) Azm(179.86) TVD(10519.04) DLS(2.87)

#164 MD(14079.00) Inc(87.05) Azm(177.84) TVD(10518.82) DLS(6.82)



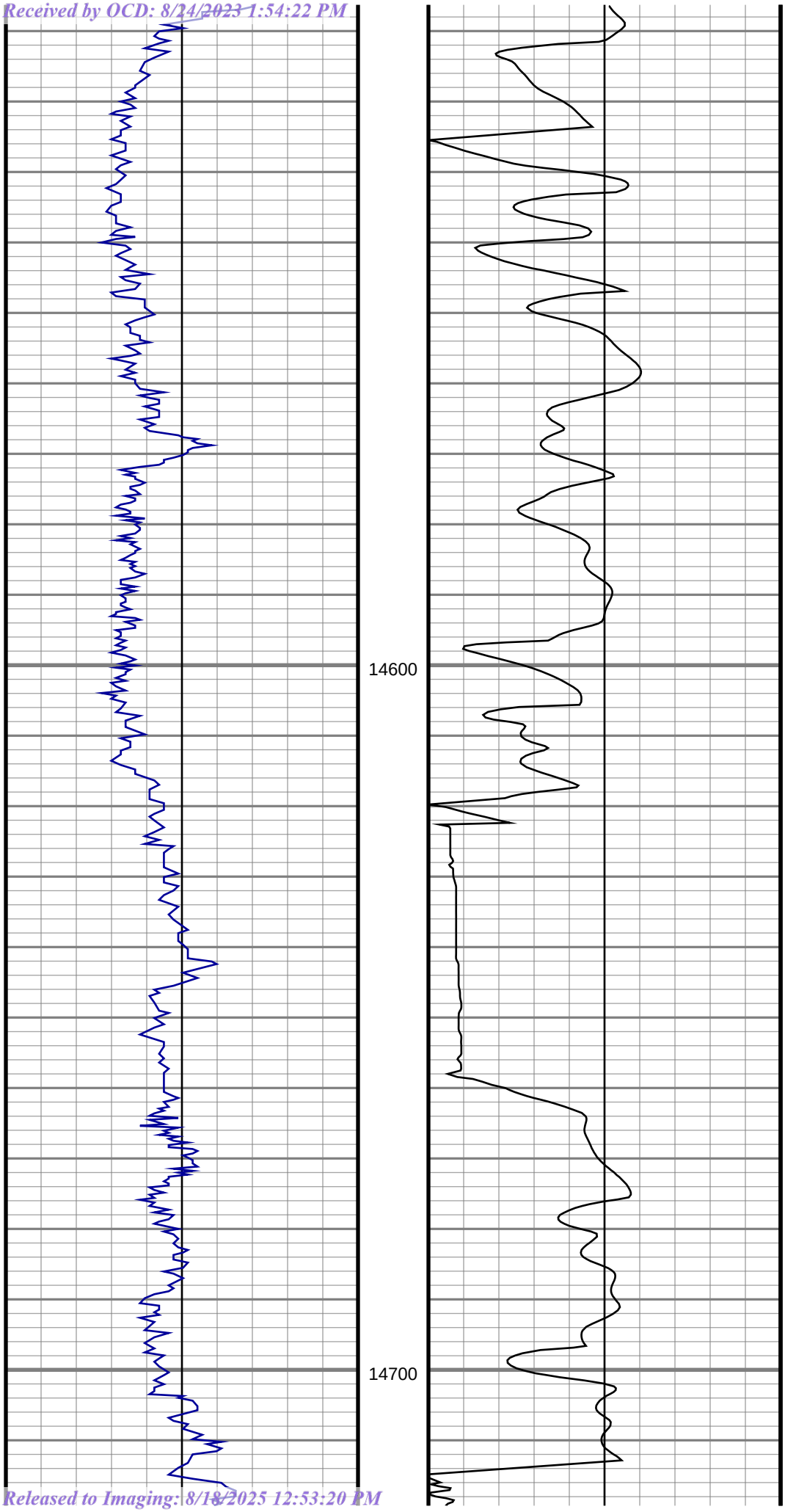
#165 MD(14174.00) Inc(89.08) Azm(178.37) TVD(10522.03) DLS(2.21)

#166 MD(14269.00) Inc(88.72) Azm(178.81) TVD(10523.85) DLS(0.60)



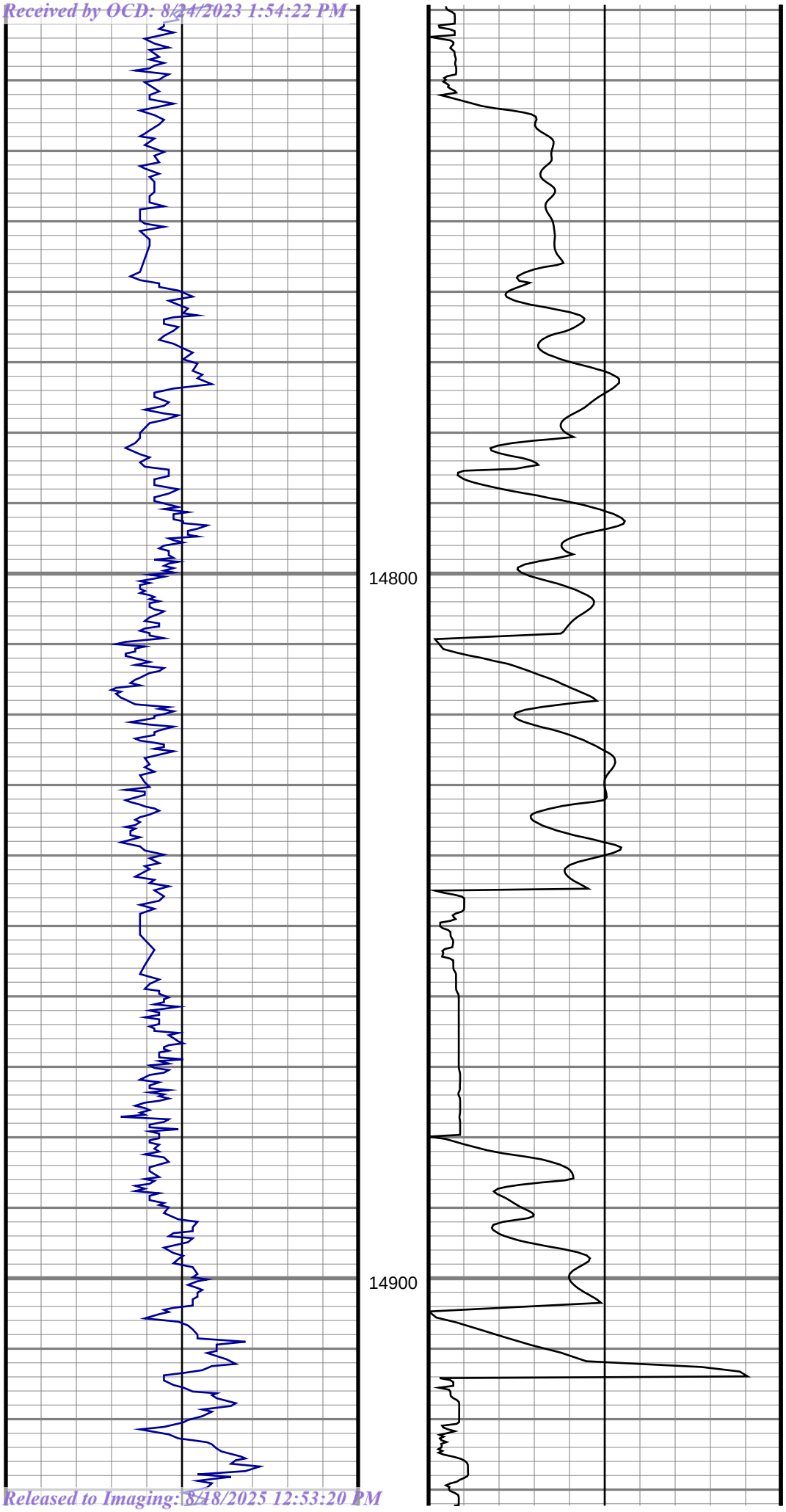
#167 MD(14364.00) Inc(89.16) Azm(179.60) TVD(10525.61) DLS(0.95)

#168 MD(14459.00) Inc(91.36) Azm(177.75) TVD(10525.18) DLS(3.03)



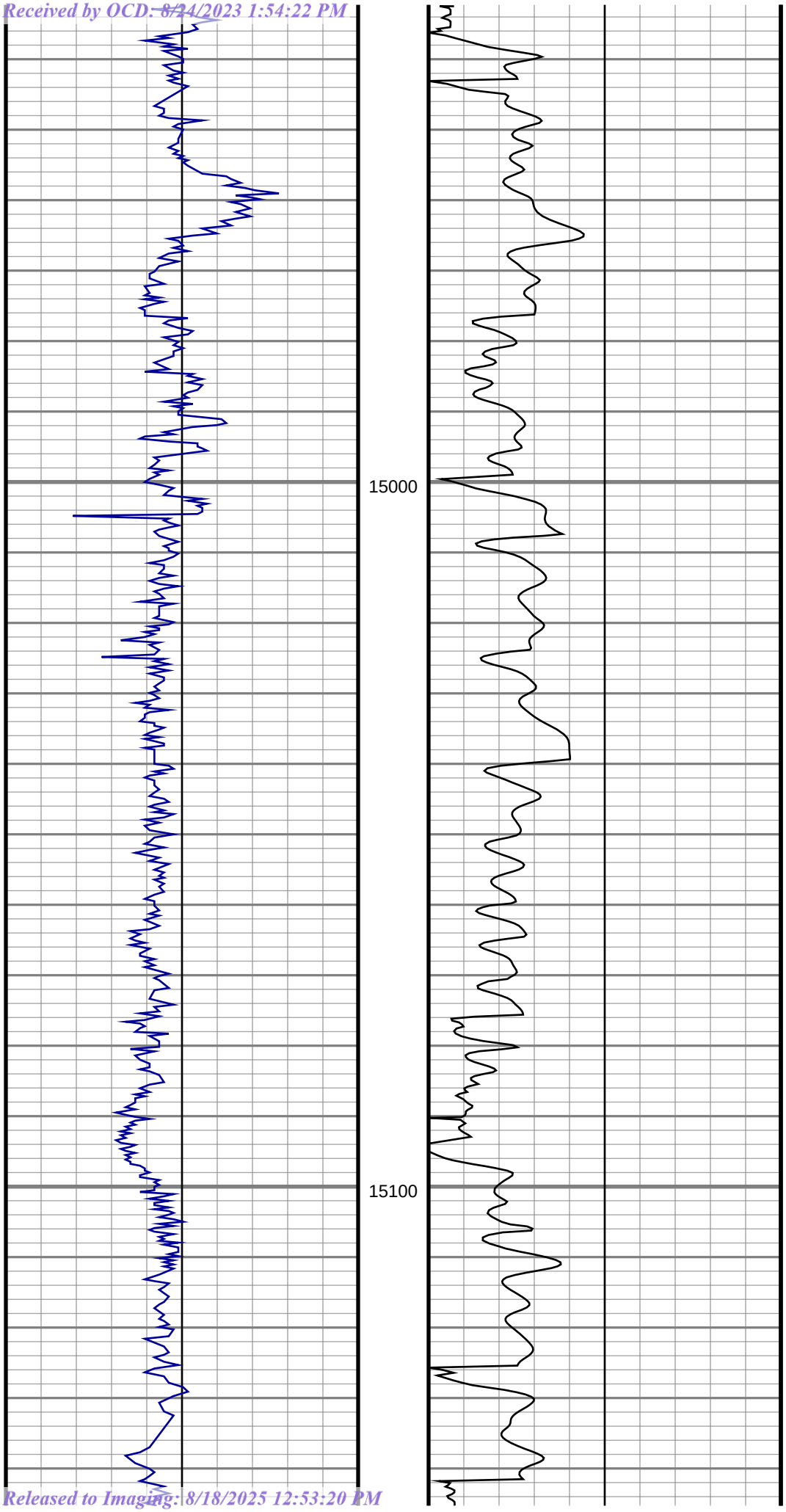
#169 MD(14554.00) Inc(90.92) Azm(175.82) TVD(10523.29) DLS(2.08)

#170 MD(14649.00) Inc(91.28) Azm(177.58) TVD(10521.46) DLS(1.89)



#171 MD(14744.00) Inc(90.31) Azm(178.37) TVD(10520.15) DLS(1.32)

#172 MD(14839.00) Inc(90.31) Azm(176.52) TVD(10519.63) DLS(1.95)



#173 MD(14934.00) Inc(90.04) Azm(182.06) TVD(10519.94)
DLS(5.84)

#174 MD(15029.00) Inc(88.90) Azm(181.62) TVD(10520.22)
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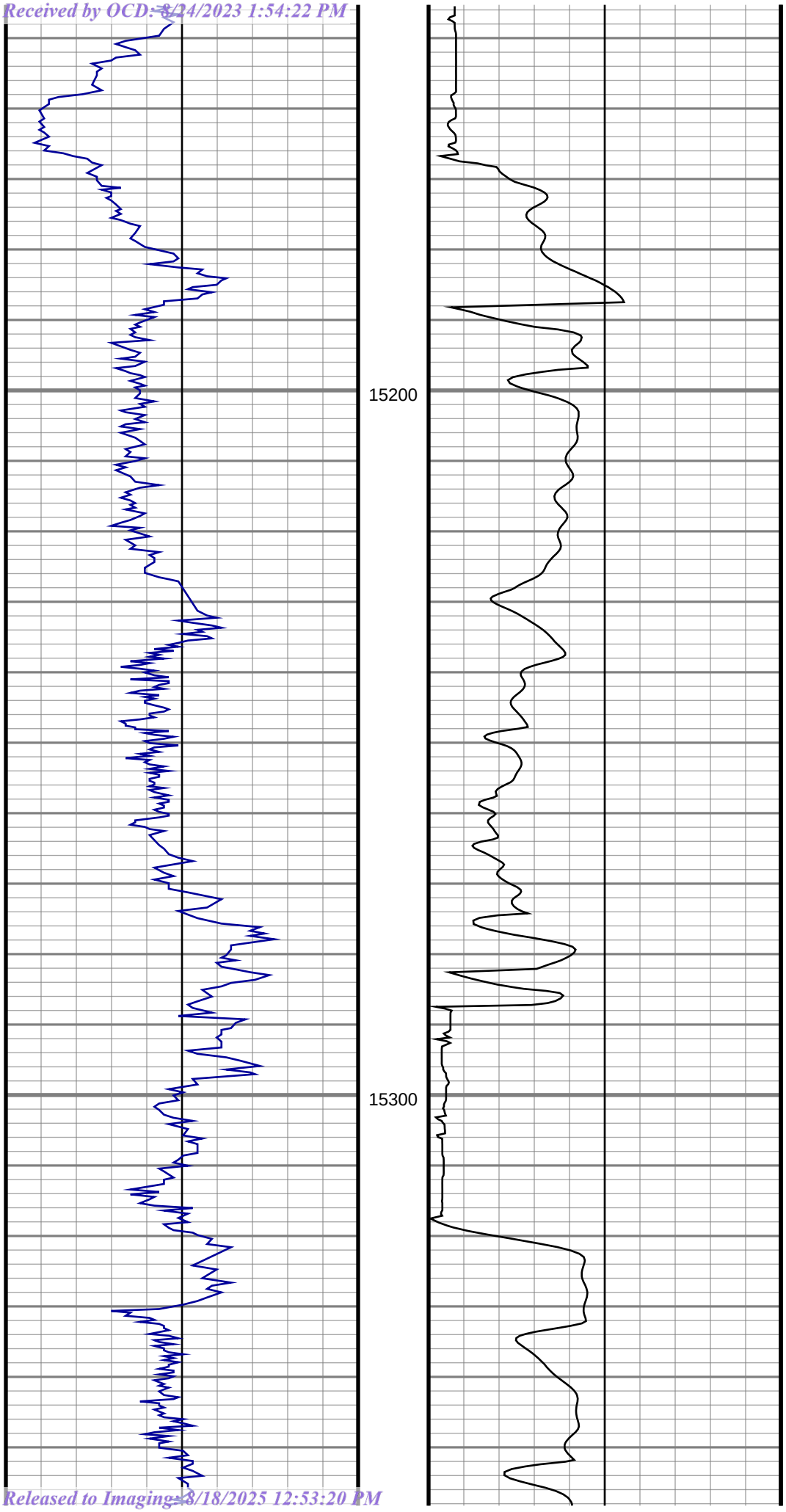
#175 MD(15124.00) Inc(88.90) Azm(180.56) TVD(10522.04)
DLS(1.12)



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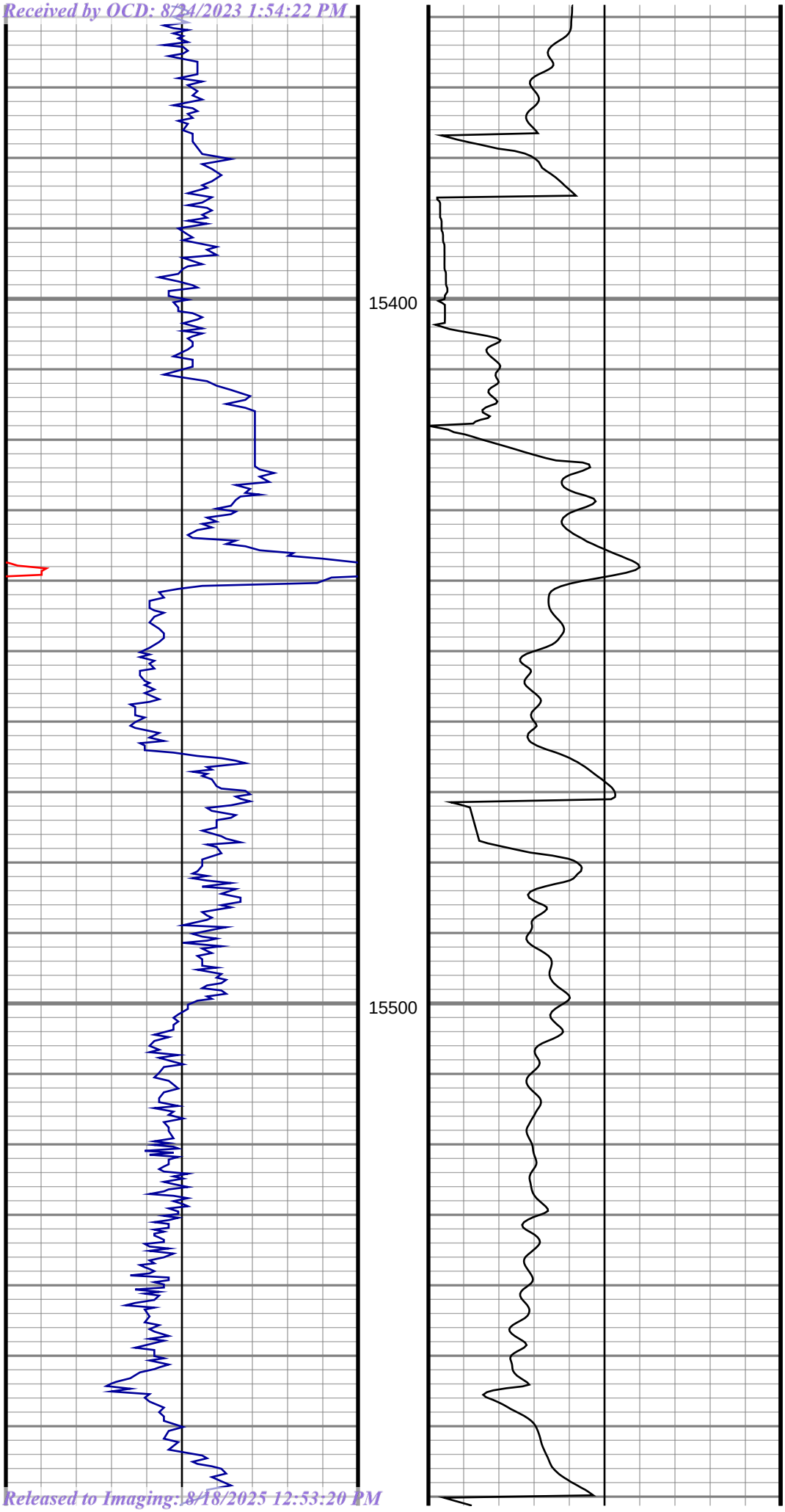
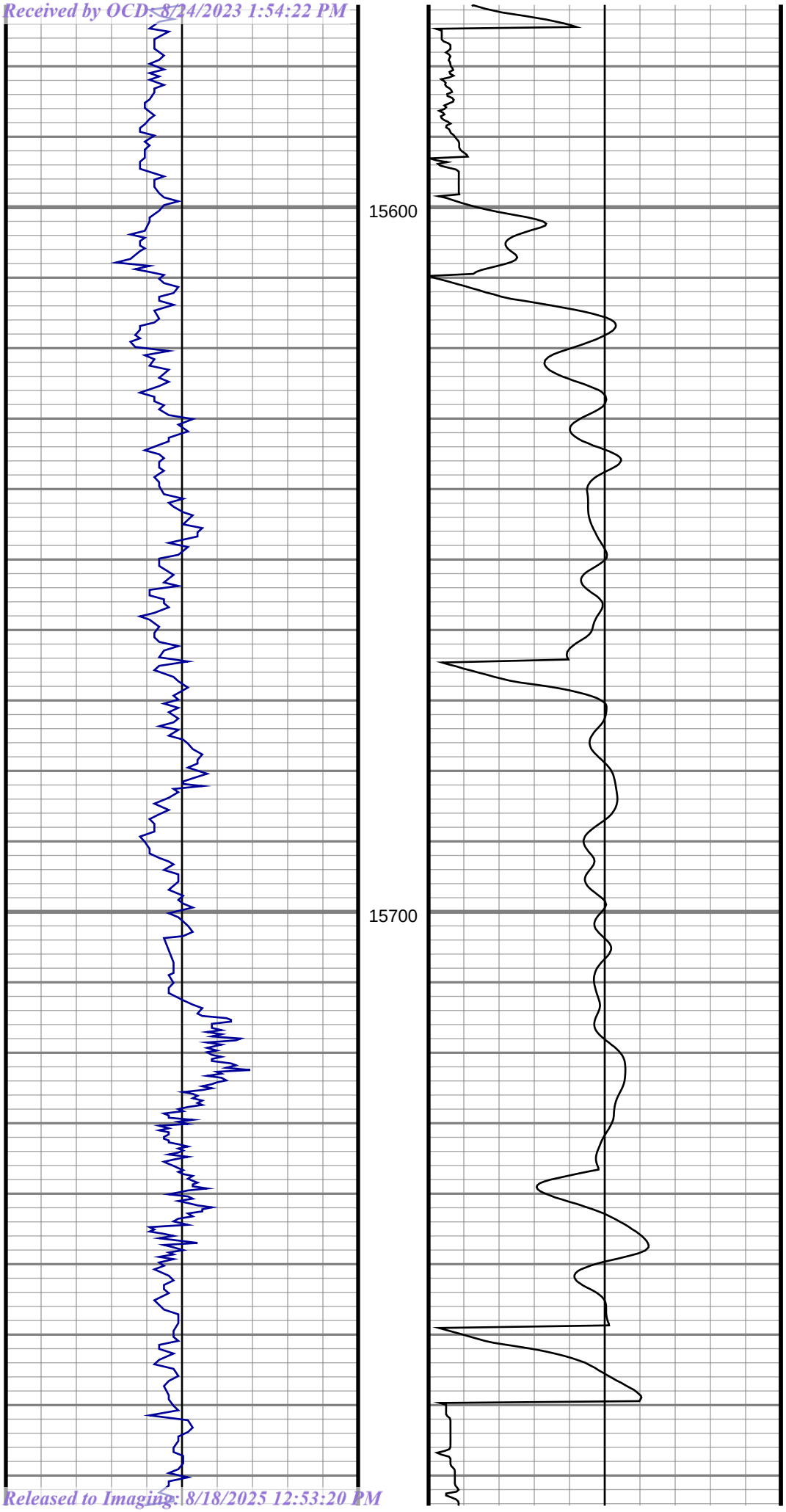
#177 MD(15315.00) Inc(91.98) Azm(179.16) TVD(10515.65) DLS(1.68)



#178 MD(15410.00) Inc(88.81) Azm(179.86) TVD(10514.99) DLS(3.42)

#179 MD(15505.00) Inc(87.41) Azm(180.30) TVD(10518.13) DLS(1.54)



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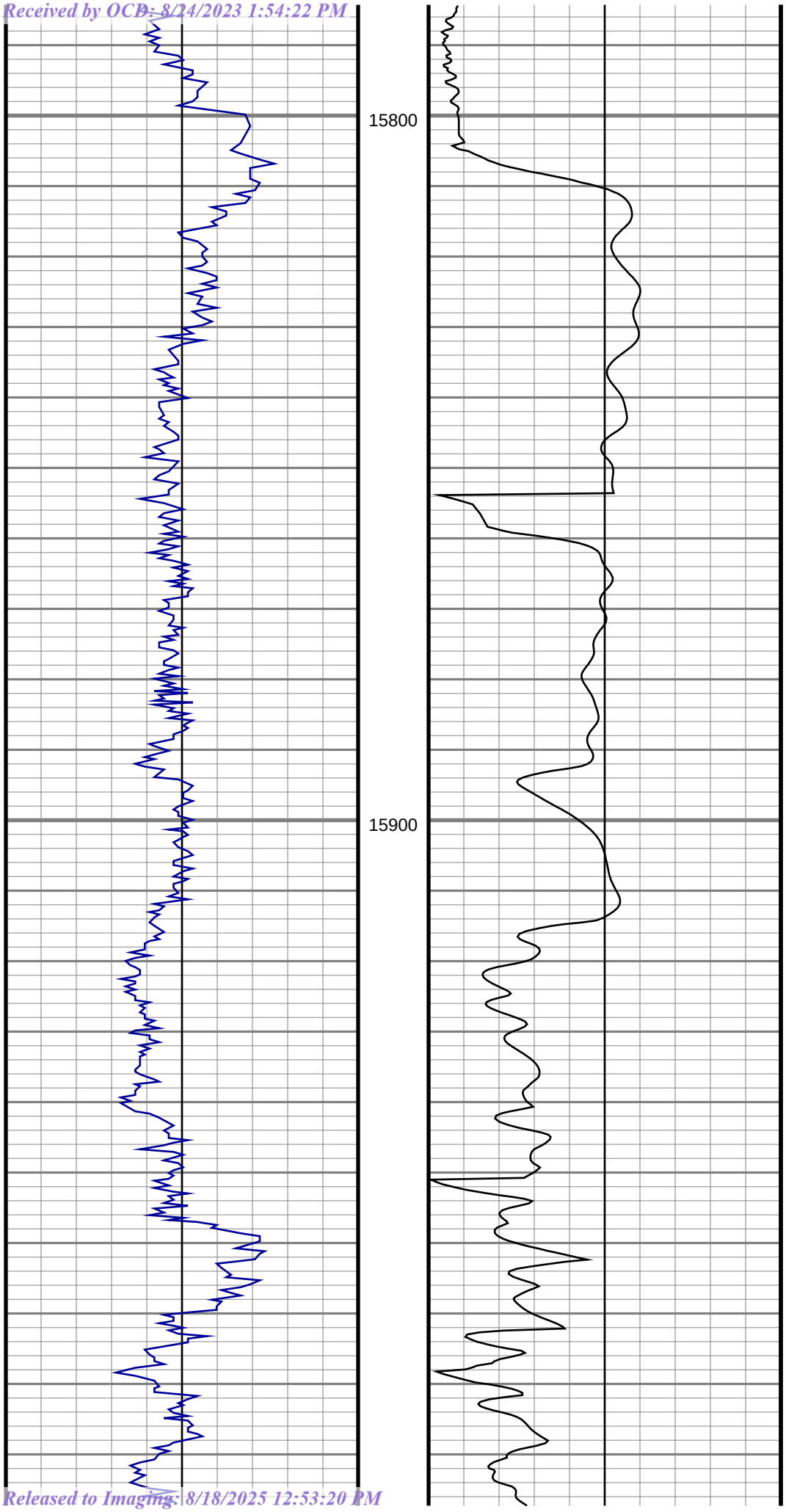
#181 MD(15696.00) Inc(88.55) Azm(179.25) TVD(10522.02) DLS(3.10)



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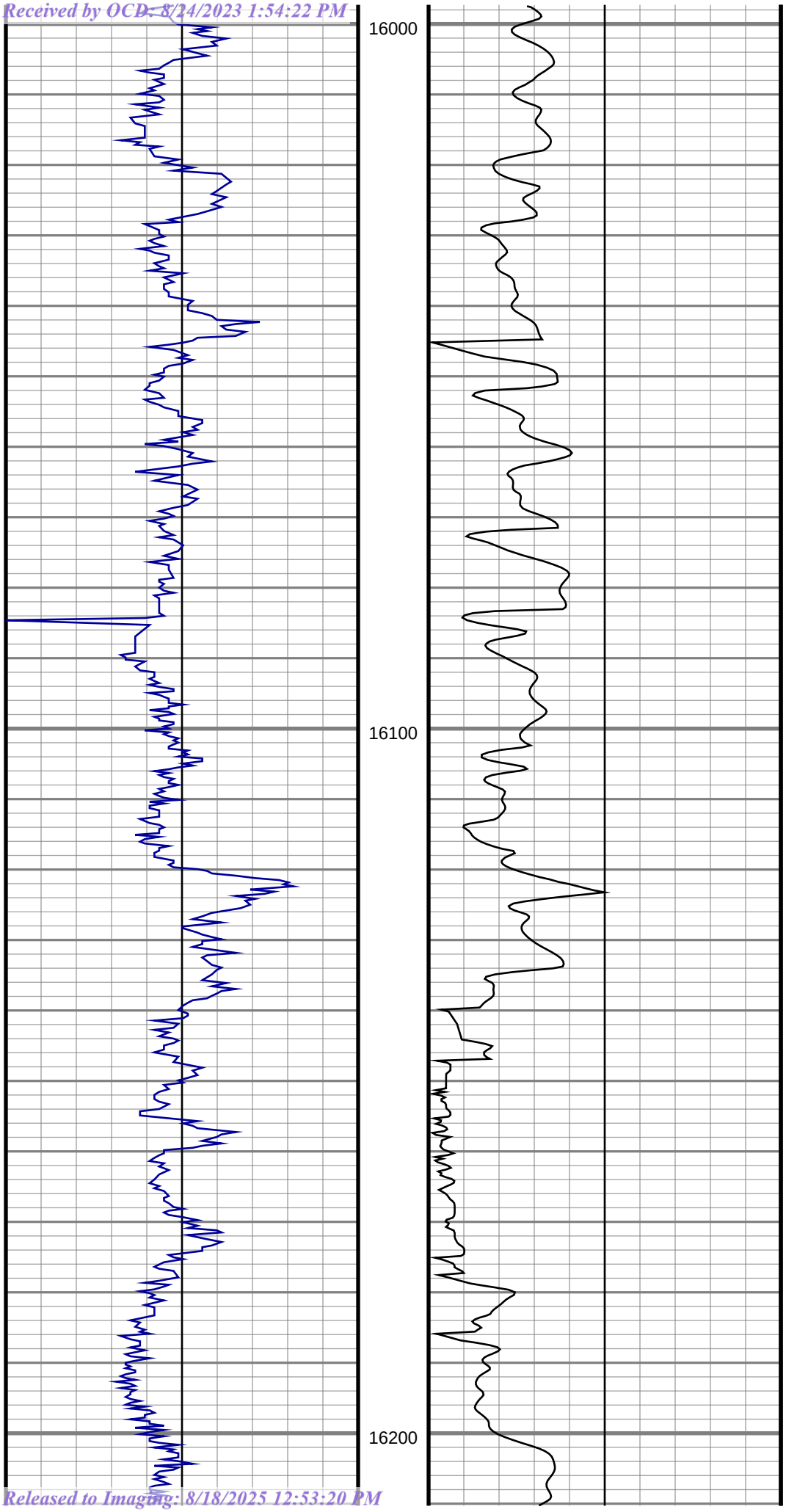
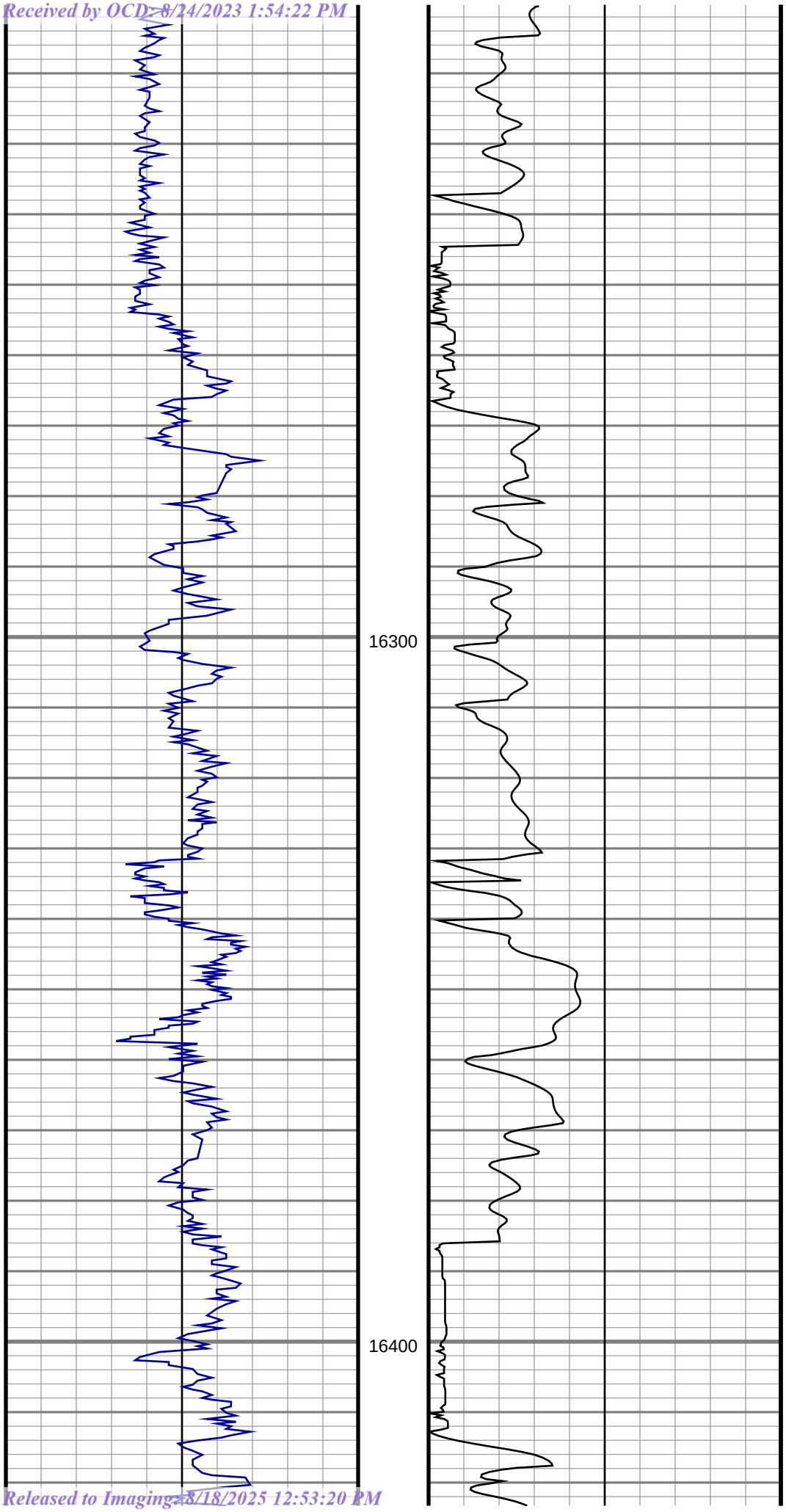
#183 MD(15887.00) Inc(92.68) Azm(179.42) TVD(10518.01) DLS(1.99)

#184 MD(15982.00) Inc(92.42) Azm(178.72) TVD(10513.78) DLS(0.79)



#185 MD(16078.00) Inc(88.99) Azm(177.40) TVD(10512.60) DLS(3.83)

#186 MD(16172.00) Inc(91.28) Azm(178.28) TVD(10512.38) DLS(2.61)



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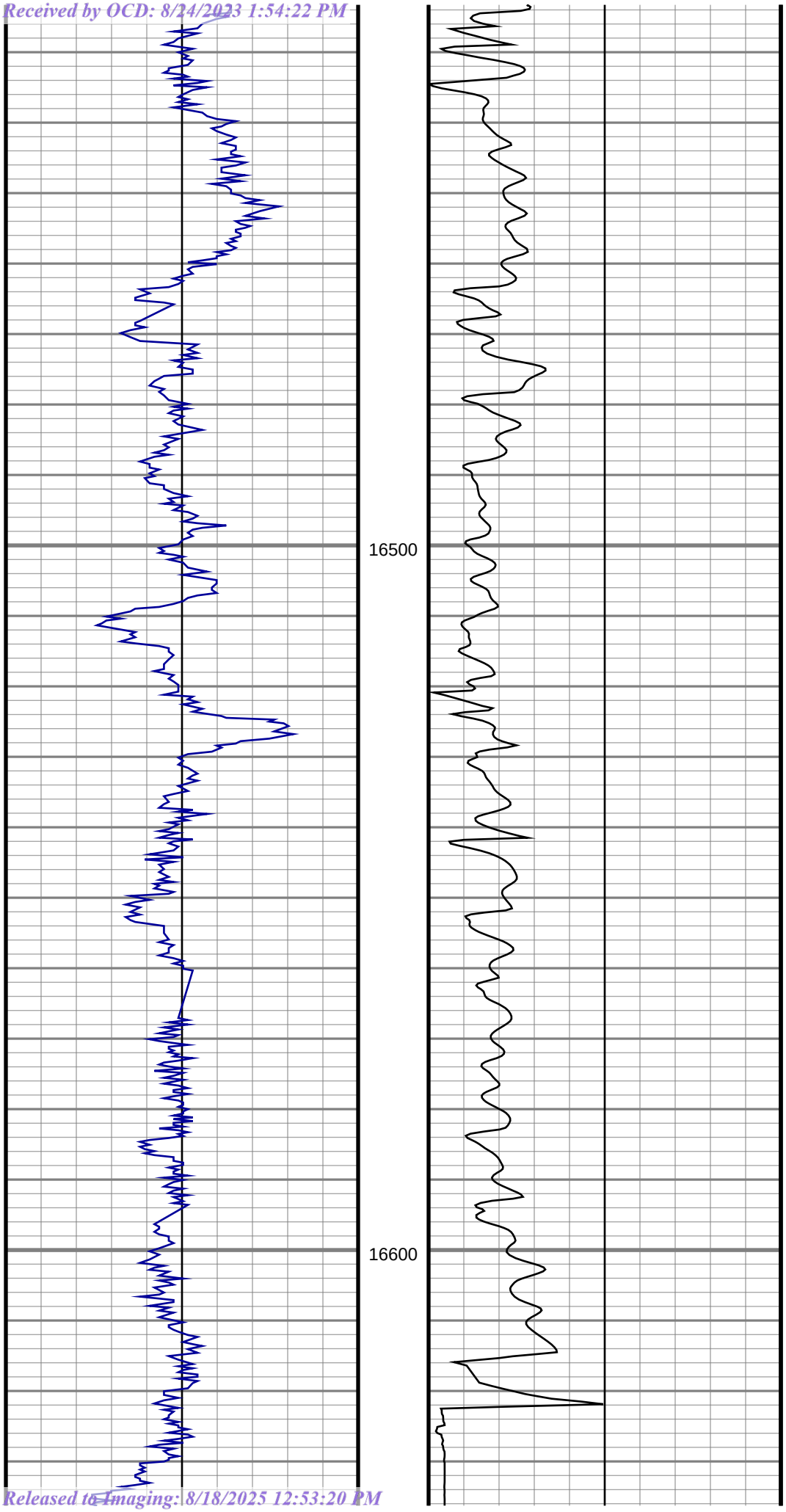
#188 MD(16362.00) Inc(92.77) Azm(178.72) TVD(10503.70) DLS(1.72)



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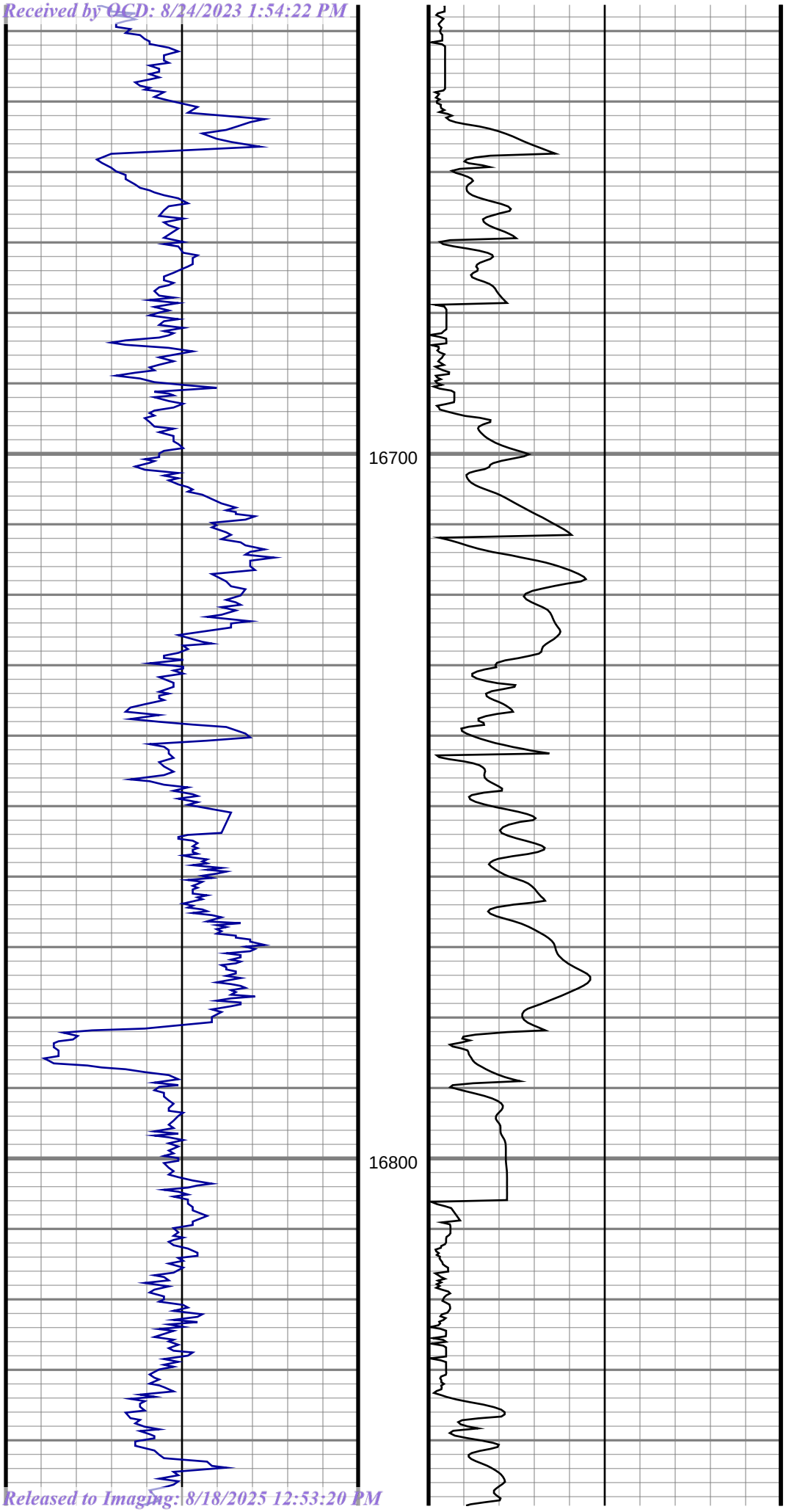
#190 MD(16552.00) Inc(86.79) Azm(179.95) TVD(10507.35) DLS(1.59)



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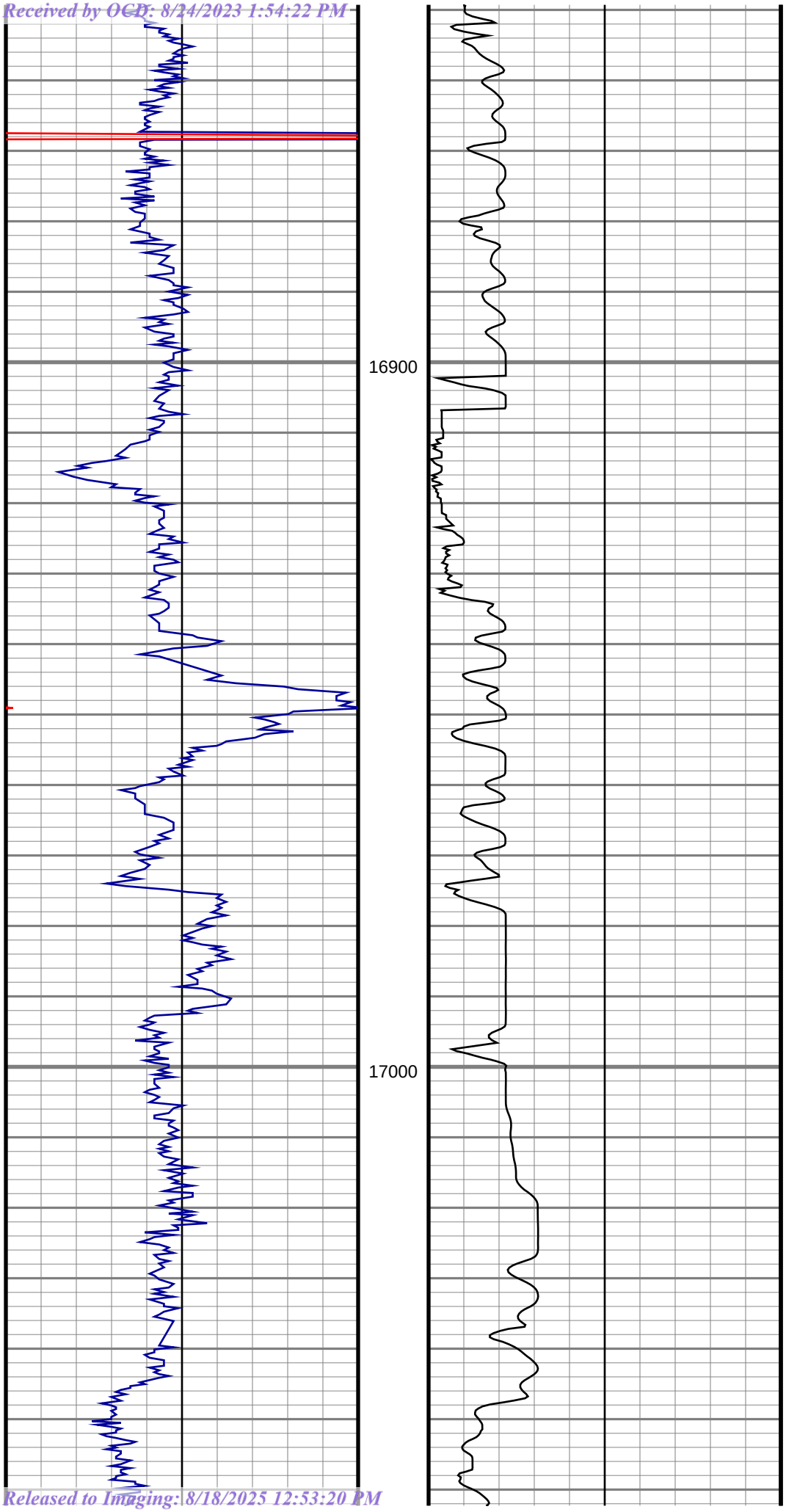
#192 MD(16742.00) Inc(90.92) Azm(177.66) TVD(10510.42) DLS(2.73)

#193 MD(16837.00) Inc(90.13) Azm(177.66) TVD(10509.55) DLS(0.83)



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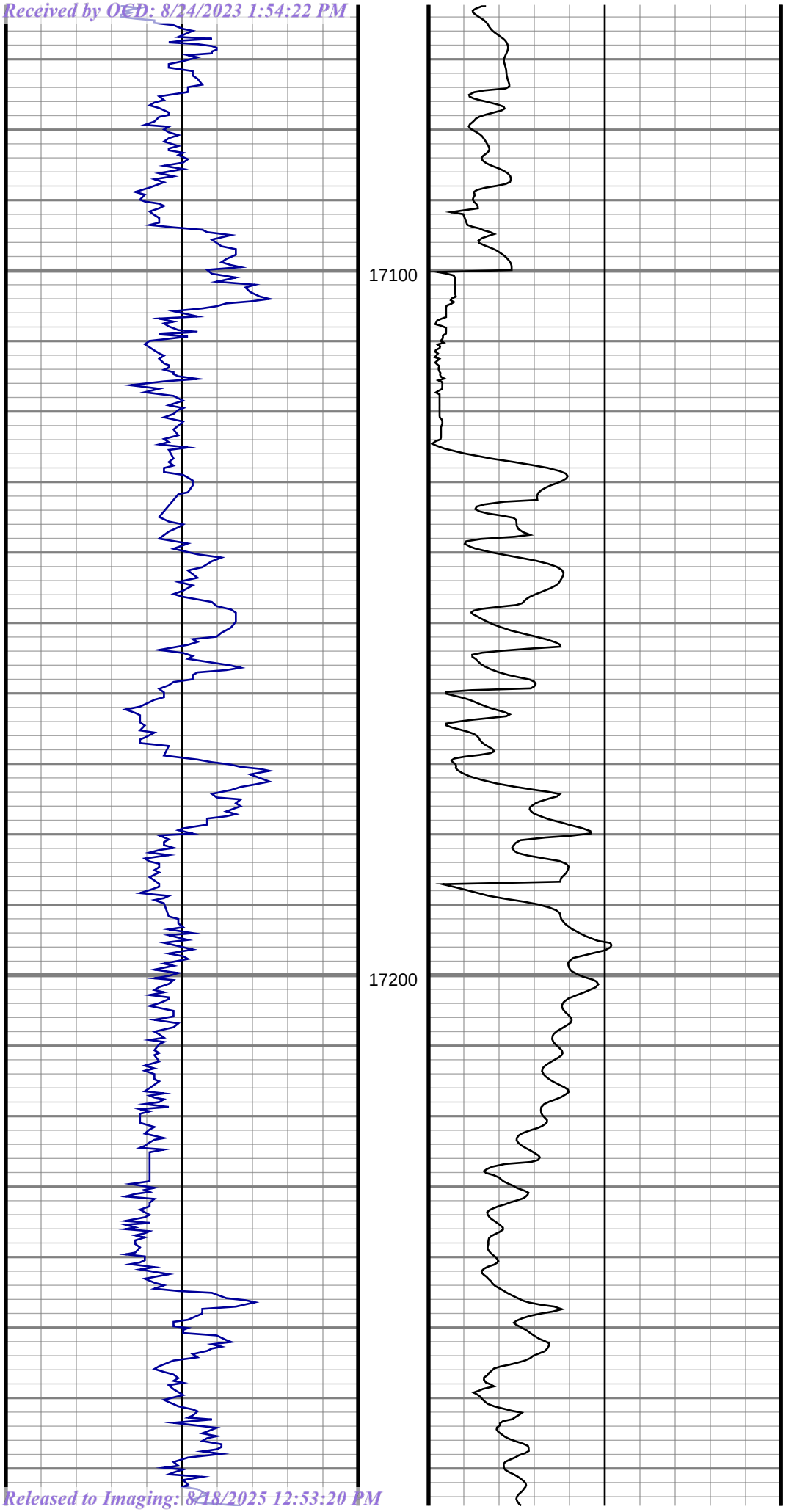
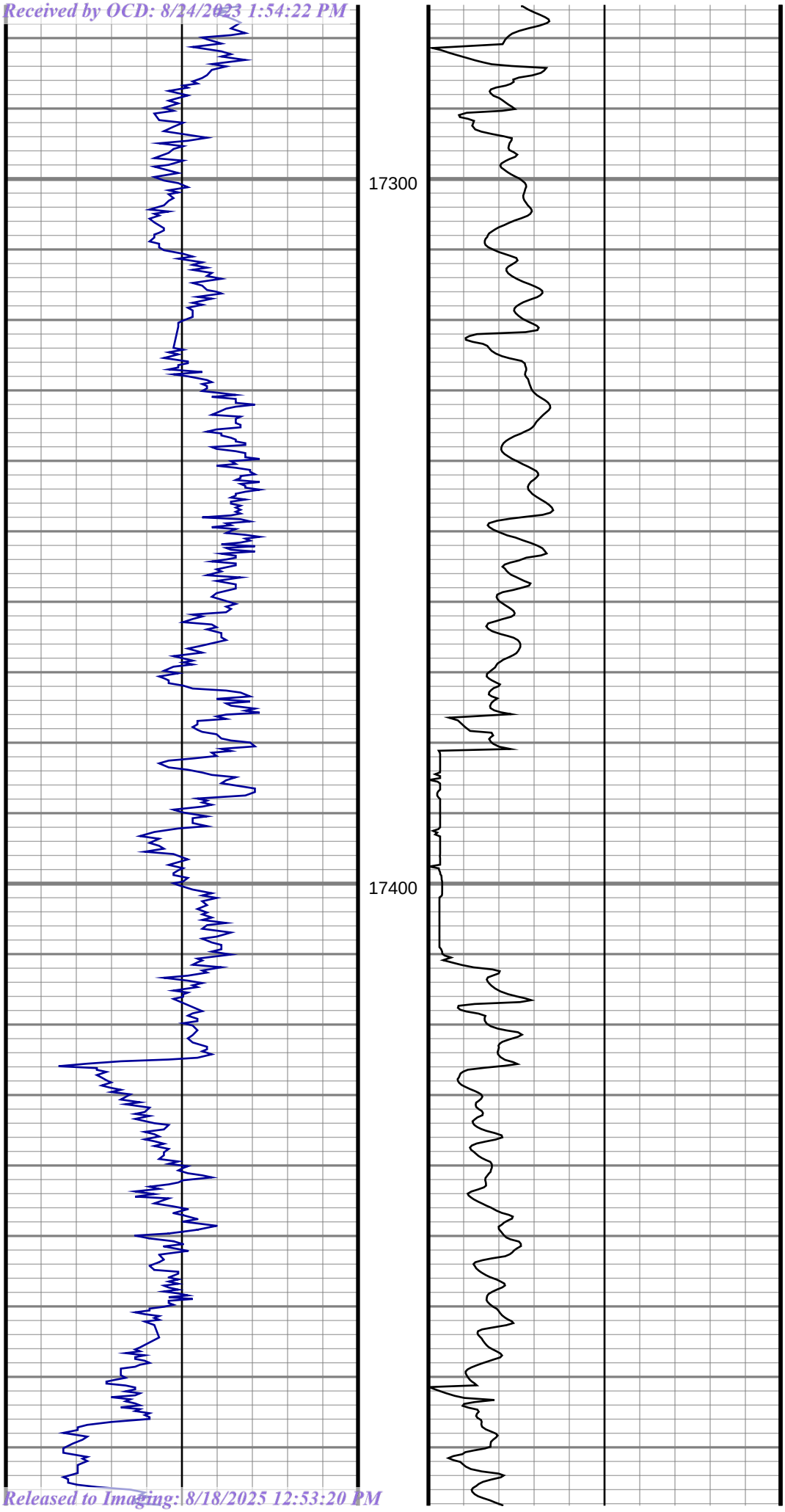
#195 MD(17027.00) Inc(93.12) Azm(178.28) TVD(10502.70) DLS(1.05)



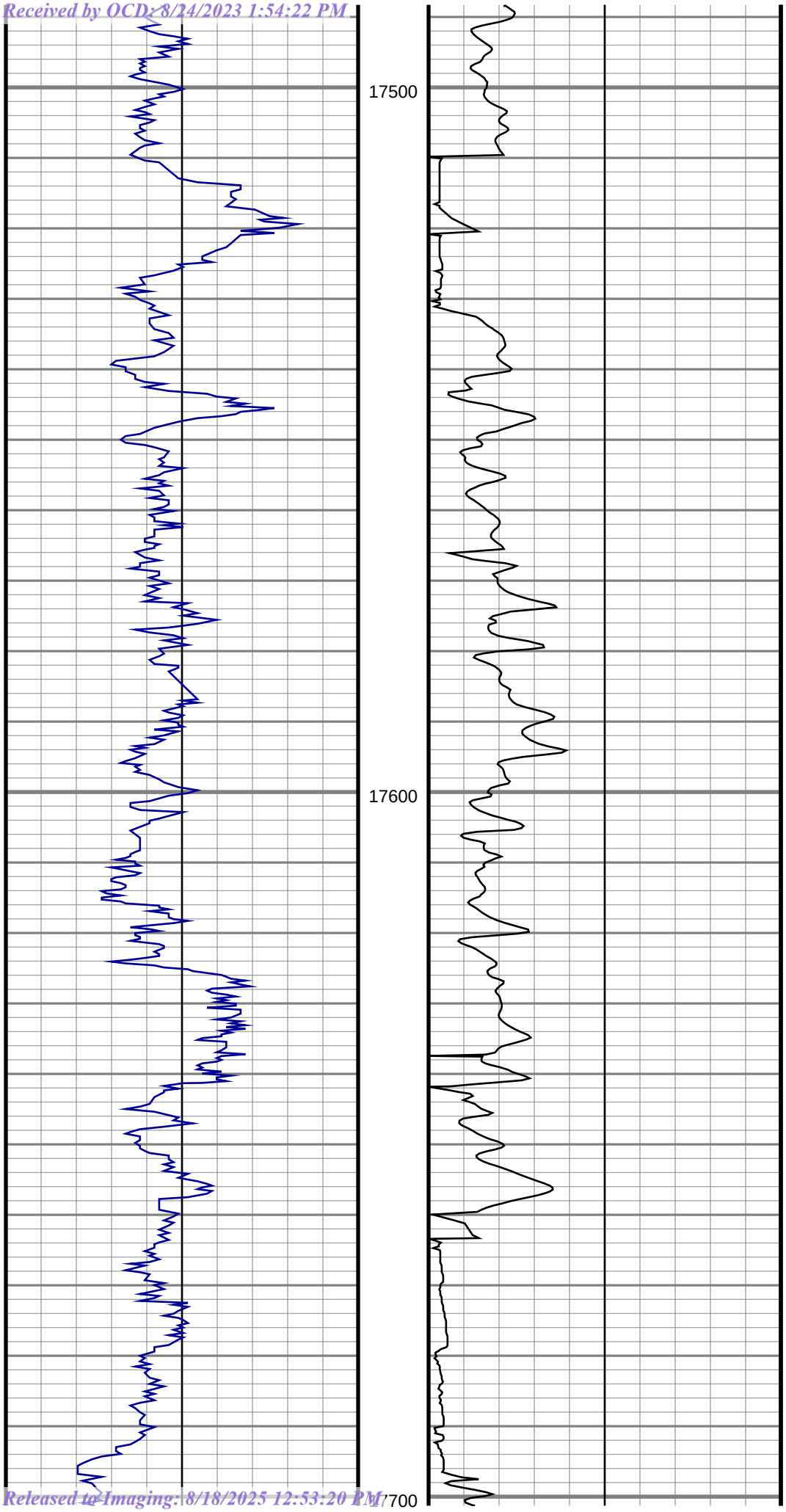
#196 MD(17122.00) Inc(92.24) Azm(178.98) TVD(10498.26) DLS(1.18)

#197 MD(17217.00) Inc(90.31) Azm(179.33) TVD(10496.14) DLS(2.06)



#198 MD(17312.00) Inc(91.63) Azm(177.40) TVD(10494.54) DLS(2.46)

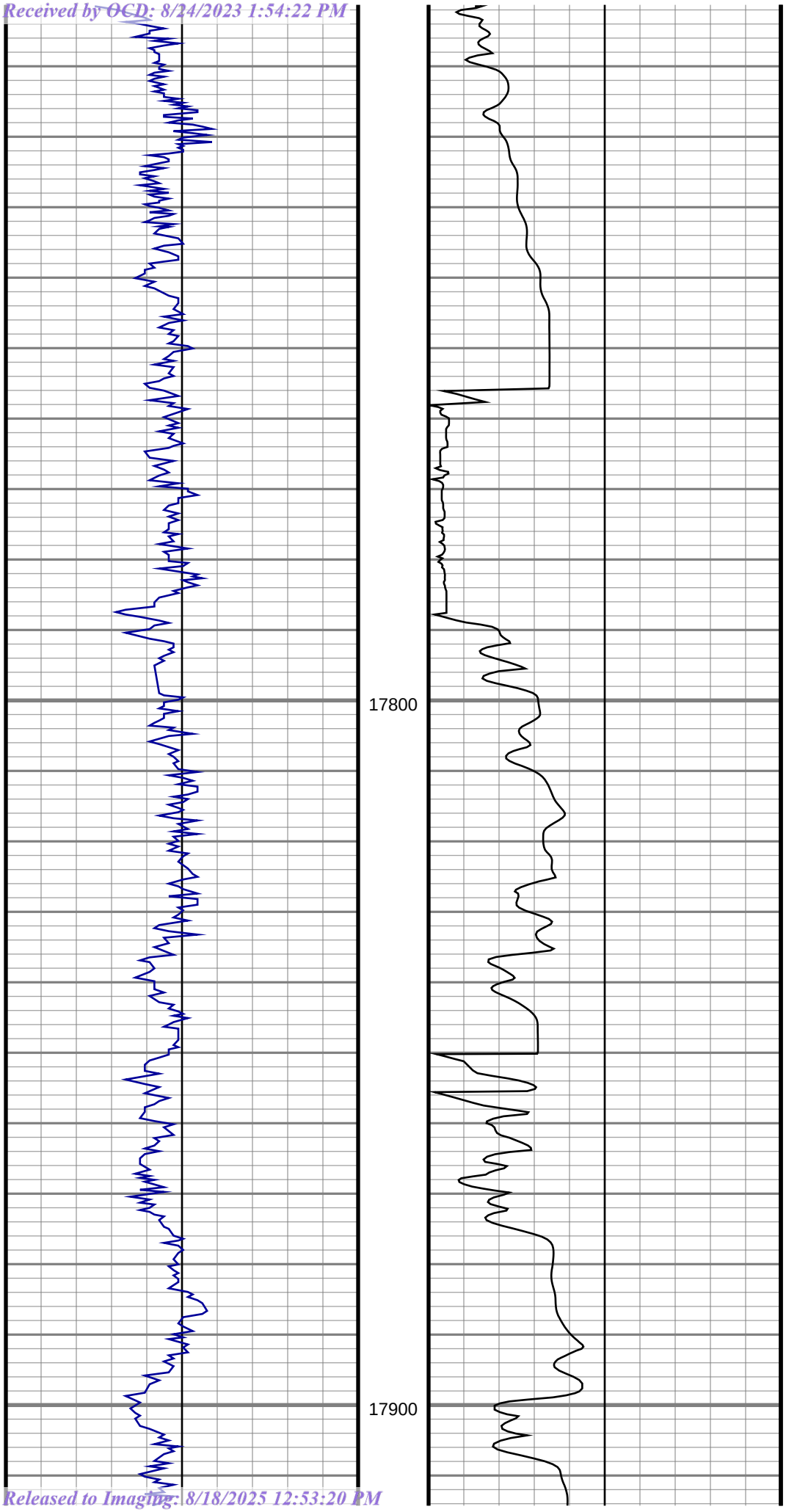
#199 MD(17407.00) Inc(89.52) Azm(179.07) TVD(10493.58) DLS(2.83)



#200 MD(17502.00) Inc(89.43) Azm(178.10) TVD(10494.45) DLS(1.03)

#201 MD(17597.00) Inc(86.00) Azm(178.81) TVD(10498.24) DLS(3.69)

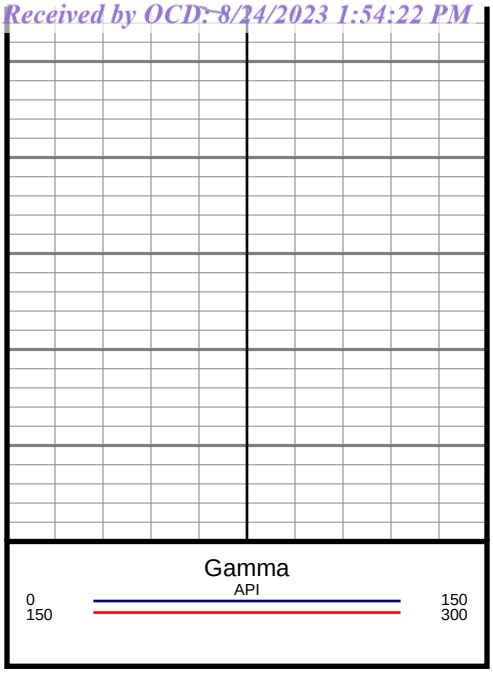
#202 MD(17691.00) Inc(87.85) Azm(179.86) TVD(10503.28) DLS(2.26)

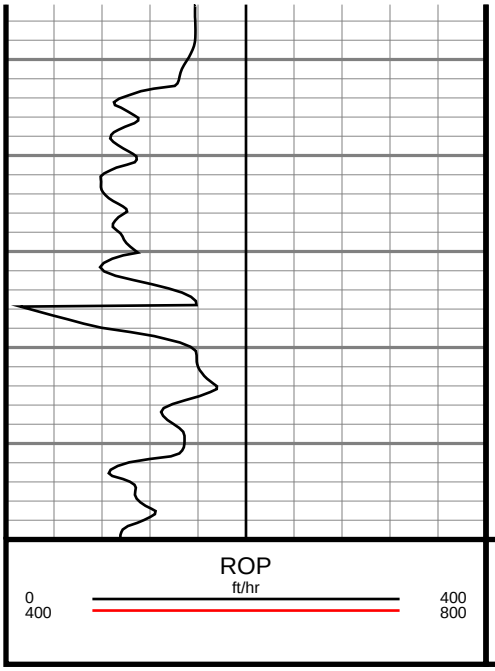


#203 MD(17786.00) Inc(90.48) Azm(179.51) TVD(10504.67) DLS(2.79)

#204 MD(17881.00) Inc(89.87) Azm(178.37) TVD(10504.38) DLS(1.36)

#205 MD(17904.00) Inc(89.69) Azm(177.75) TVD(10504.46) DLS(2.81)





PTB: MD(17970.00) Inc(89.69) Azm(177.75) TVD(10504.82)
DLS(0.00)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate District Office

☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-025-44616	96603	TRISTE DRAW; BONE SPRING

[4]Property Code	[5]Property Name	[6]Well Number
325486	MODELO 10 FED COM	501H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3637'

[10]Surface Location

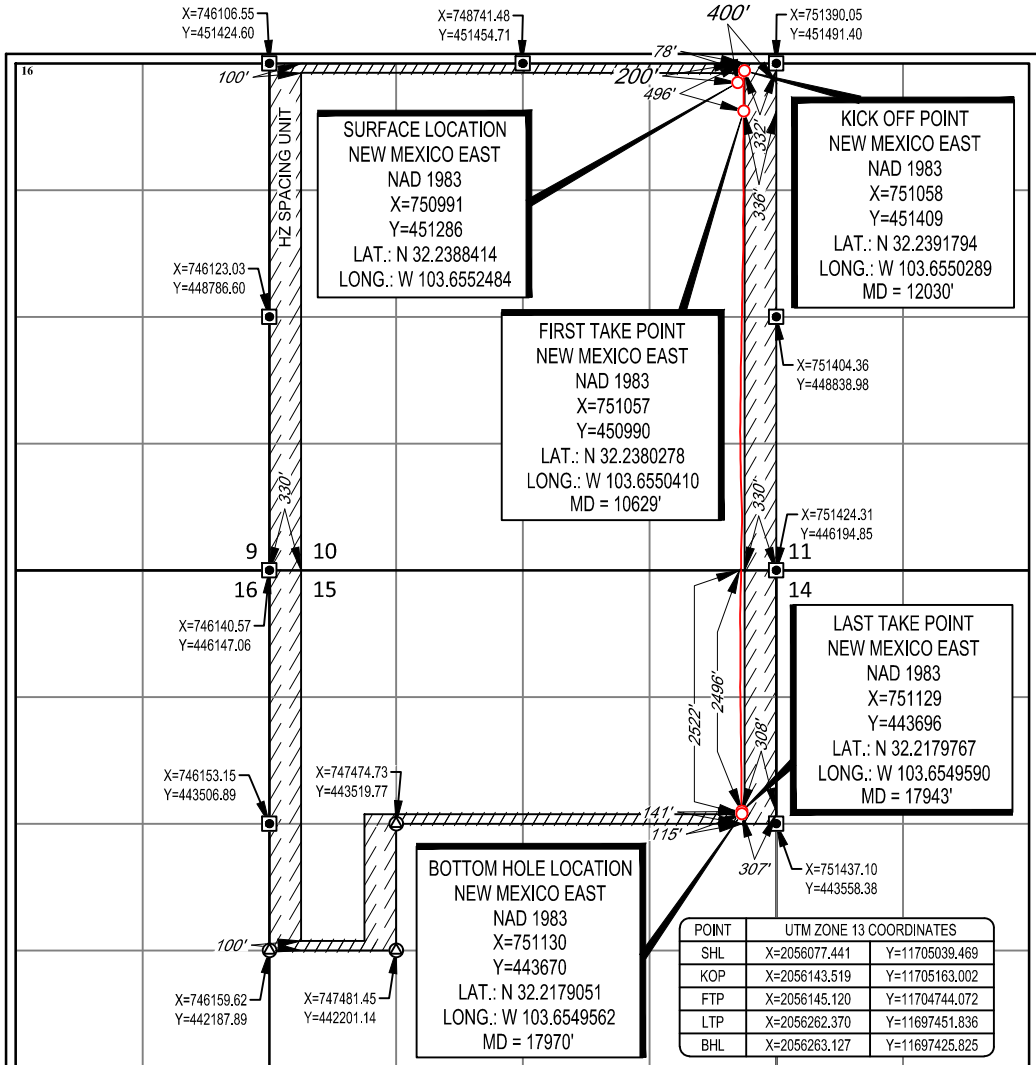
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	24-S	32-E	-	200'	NORTH	400'	EAST	LEA

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	15	24-S	32-E	-	2522'	NORTH	307'	EAST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
1000.00			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



POINT	UTM ZONE 13 COORDINATES	
SHL	X=2056077.441	Y=11705039.469
KOP	X=2056143.519	Y=11705163.002
FTP	X=2056145.120	Y=11704744.072
LTP	X=2056262.370	Y=11697451.836
BHL	X=2056263.127	Y=11697425.825

[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Kay Maddox — Signature
06/07/2022 — Date

KAY MADDOX
Printed Name

KAY_MADDOX@EOGRESOURCES.COM
E-mail Address

[18]SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

07/09/2018
Date of Survey
Signature and Seal of Professional Surveyor

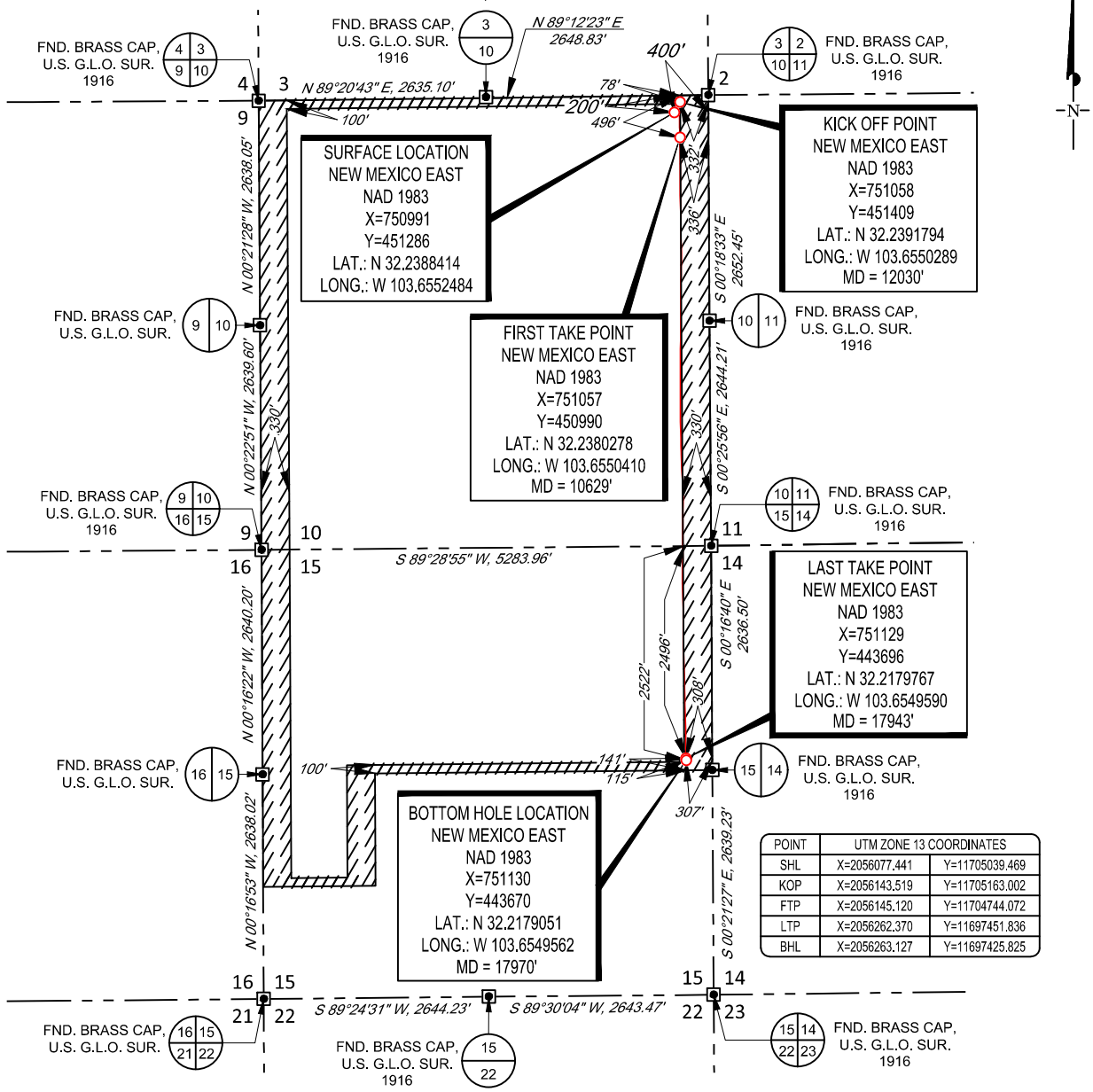
RAMON A. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Certificate Number

Z:\SURVEY\EOG_MIDLAND\MODELO_10_15_FED_COM\FINAL_PRODUCTS\AD_MODELO_10_FED_COM_501H.DWG 6/7/2022 9:29:05 AM eochoa

SCALE: 1" = 2000'
0' 1000' 2000'

SECTION 10, TOWNSHIP 24-S, RANGE 32-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



POINT	UTM ZONE 13 COORDINATES	
SHL	X=2056077.441	Y=11705039.469
KOP	X=2056143.519	Y=11705163.002
FTP	X=2056145.120	Y=11704744.072
LTP	X=2056262.370	Y=11697451.836
BHL	X=2056263.127	Y=11697425.825

LEASE NAME & WELL NO.: MODELO 10 FED COM 501H
SECTION 10 TWP 24-S RGE 32-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3637'
DESCRIPTION 200' FNL & 400' FEL

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
TEXAS FIRM REGISTRATION NO. 10042504
WWW.TOPOGRAPHIC.COM

Ramon A. Dominguez, P.S. No. 24508
May 27, 2022

eog resources, inc.

MODELO 10 FED COM 501H AS-DRILLED	REVISION:
DATE: 05/27/22	
FILE: AD_MODELO_10_FED_COM_501H	
DRAWN BY: MML	
SHEET : 2 OF 2	

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

Z:\SURVEY\EOG_MIDLAND\MODELO_10_15_FED_COM\FINAL_PRODUCTS\AD_MODELO_10_FED_COM_501H.DWG 6/7/2022 9:29:06 AM eochoa

Released to Imaging: 8/18/2025 12:53:20 PM

Received by OCD: 8/24/2023 1:54:22 PM

Midland

Lea County, NM (NAD 83 NME)
Modelo 10 Fed Com
#501H
OH

Design: OH

Final PVA

29 April, 2022

Released to Imaging: 8/18/2025 12:53:20 PM

Received by OCD: 8/24/2023 1:54:22 PM

Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Project Lea County, NM (NAD 83 NME)

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site Modelo 10 Fed Com

Site Position:		**Northing:**	451,286.00 usft	**Latitude:**	32° 14' 19.830 N
From:	Map	**Easting:**	750,991.00 usft	**Longitude:**	103° 39' 18.896 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.36 °

Well #501H

Well Position	**+N/-S**	0.0 usft	**Northing:**	451,286.00 usft	**Latitude:**	32° 14' 19.830 N
	+E/-W	0.0 usft	**Easting:**	750,991.00 usft	**Longitude:**	103° 39' 18.896 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,637.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/10/2018	6.90	60.05	47,844.44917664

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	9,779.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.14

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Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey Program **Date** 4/29/2022

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
198.0	9,779.0	Drilltech MWD (Pilot)	MWD	OWSG MWD - Standard
9,840.0	17,970.0	Drilltech MWD (OH)	MWD	OWSG MWD - Standard

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.0	0.0
198.0	0.62	32.03	198.0	0.9	0.6	0.31	0.31	0.00	0.0	0.0
257.0	0.53	9.18	257.0	1.4	0.8	0.41	-0.15	-38.73	0.0	0.0
315.0	0.62	352.83	315.0	2.0	0.8	0.32	0.16	-28.19	0.0	0.0
374.0	0.70	328.13	374.0	2.6	0.6	0.50	0.14	-41.86	0.0	0.0
434.0	0.70	1.35	434.0	3.3	0.4	0.67	0.00	55.37	0.0	0.0
493.0	0.53	13.92	493.0	3.9	0.4	0.37	-0.29	21.31	0.0	0.0
553.0	0.18	239.71	553.0	4.2	0.4	1.11	-0.58	-223.68	0.0	0.0
611.0	0.44	243.84	611.0	4.0	0.2	0.45	0.45	7.12	0.0	0.0
669.0	0.62	243.14	669.0	3.8	-0.3	0.31	0.31	-1.21	0.0	0.0
766.0	0.53	241.38	766.0	3.3	-1.2	0.09	-0.09	-1.81	0.0	0.0
861.0	0.70	259.14	861.0	3.0	-2.1	0.27	0.18	18.69	0.0	0.0
955.0	1.14	275.13	955.0	3.0	-3.6	0.54	0.47	17.01	0.0	0.0
1,049.0	1.93	259.23	1,048.9	2.8	-6.1	0.95	0.84	-16.91	0.0	0.0
1,143.0	1.49	224.33	1,142.9	1.6	-8.5	1.18	-0.47	-37.13	0.0	0.0
1,258.0	1.14	187.68	1,257.8	-0.6	-9.7	0.77	-0.30	-31.87	0.0	0.0
1,338.0	0.79	145.23	1,337.8	-1.8	-9.5	0.96	-0.44	-53.06	0.0	0.0
1,433.0	0.70	96.36	1,432.8	-2.4	-8.6	0.65	-0.09	-51.44	0.0	0.0
1,528.0	0.53	146.73	1,527.8	-2.9	-7.8	0.57	-0.18	53.02	0.0	0.0
1,623.0	0.44	67.98	1,622.8	-3.1	-7.2	0.65	-0.09	-82.89	0.0	0.0
1,718.0	0.79	90.12	1,717.8	-3.0	-6.2	0.44	0.37	23.31	0.0	0.0

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Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
1,813.0	0.44	50.92	1,812.8	-2.7	-5.2	0.56	-0.37	-41.26	0.0	0.0
1,908.0	0.35	52.86	1,907.8	-2.3	-4.7	0.10	-0.09	2.04	0.0	0.0
2,003.0	0.62	353.62	2,002.8	-1.6	-4.6	0.56	0.28	-62.36	0.0	0.0
2,098.0	0.53	20.78	2,097.8	-0.7	-4.5	0.30	-0.09	28.59	0.0	0.0
2,193.0	0.35	123.43	2,192.8	-0.5	-4.1	0.73	-0.19	108.05	0.0	0.0
2,288.0	0.26	133.54	2,287.8	-0.8	-3.7	0.11	-0.09	10.64	0.0	0.0
2,383.0	0.26	329.89	2,382.8	-0.7	-3.6	0.54	0.00	-172.26	0.0	0.0
2,477.0	0.44	48.90	2,476.8	-0.3	-3.5	0.50	0.19	84.05	0.0	0.0
2,572.0	0.79	84.85	2,571.8	0.0	-2.5	0.53	0.37	37.84	0.0	0.0
2,667.0	1.06	98.83	2,666.8	-0.1	-1.0	0.37	0.28	14.72	0.0	0.0
2,762.0	0.88	61.91	2,761.8	0.1	0.5	0.67	-0.19	-38.86	0.0	0.0
2,857.0	1.41	82.21	2,856.7	0.6	2.3	0.69	0.56	21.37	0.0	0.0
2,952.0	1.41	77.12	2,951.7	1.0	4.6	0.13	0.00	-5.36	0.0	0.0
3,047.0	2.20	88.19	3,046.7	1.3	7.6	0.91	0.83	11.65	0.0	0.0
3,142.0	1.23	133.54	3,141.6	0.7	10.1	1.68	-1.02	47.74	0.0	0.0
3,237.0	1.58	162.55	3,236.6	-1.2	11.3	0.82	0.37	30.54	0.0	0.0
3,332.0	1.58	150.94	3,331.6	-3.6	12.3	0.34	0.00	-12.22	0.0	0.0
3,427.0	0.88	182.58	3,426.5	-5.5	12.9	1.00	-0.74	33.31	0.0	0.0
3,522.0	0.97	212.64	3,521.5	-6.9	12.4	0.51	0.09	31.64	0.0	0.0
3,617.0	0.97	206.93	3,616.5	-8.3	11.6	0.10	0.00	-6.01	0.0	0.0
3,712.0	0.70	214.49	3,711.5	-9.5	10.9	0.31	-0.28	7.96	0.0	0.0
3,807.0	1.23	198.32	3,806.5	-11.0	10.3	0.62	0.56	-17.02	0.0	0.0
3,902.0	1.67	233.65	3,901.5	-12.7	8.9	1.03	0.46	37.19	0.0	0.0
3,997.0	1.67	284.10	3,996.4	-13.2	6.4	1.50	0.00	53.11	0.0	0.0
4,092.0	1.85	281.46	4,091.4	-12.6	3.5	0.21	0.19	-2.78	0.0	0.0
4,186.0	0.26	314.51	4,185.4	-12.1	1.9	1.74	-1.69	35.16	0.0	0.0
4,281.0	0.79	112.89	4,280.4	-12.2	2.4	1.09	0.56	166.72	0.0	0.0

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Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
4,376.0	0.53	158.85	4,375.4	-12.9	3.1	0.60	-0.27	48.38	0.0	0.0
4,471.0	1.06	32.03	4,470.4	-12.6	3.7	1.52	0.56	-133.50	0.0	0.0
4,566.0	1.58	46.09	4,565.3	-10.9	5.2	0.64	0.55	14.80	0.0	0.0
4,661.0	1.67	80.02	4,660.3	-9.8	7.5	1.00	0.09	35.72	0.0	0.0
4,756.0	1.67	28.42	4,755.3	-8.3	9.5	1.53	0.00	-54.32	0.0	0.0
4,851.0	1.85	8.39	4,850.2	-5.6	10.4	0.67	0.19	-21.08	0.0	0.0
4,946.0	1.23	11.29	4,945.2	-3.1	10.8	0.66	-0.65	3.05	0.0	0.0
5,040.0	1.49	352.83	5,039.1	-0.9	10.8	0.54	0.28	-19.64	0.0	0.0
5,135.0	2.90	354.41	5,134.1	2.8	10.4	1.49	1.48	1.66	0.0	0.0
5,230.0	4.48	352.92	5,228.9	8.8	9.8	1.67	1.66	-1.57	0.0	0.0
5,326.0	4.22	353.62	5,324.6	16.1	8.9	0.28	-0.27	0.73	0.0	0.0
5,421.0	3.78	359.86	5,419.4	22.7	8.5	0.65	-0.46	6.57	0.0	0.0
5,516.0	3.61	350.37	5,514.2	28.8	8.0	0.67	-0.18	-9.99	0.0	0.0
5,611.0	3.08	351.60	5,609.0	34.2	7.1	0.56	-0.56	1.29	0.0	0.0
5,706.0	2.55	345.97	5,703.9	38.8	6.2	0.63	-0.56	-5.93	0.0	0.0
5,801.0	2.20	351.07	5,798.8	42.7	5.4	0.43	-0.37	5.37	0.0	0.0
5,863.0	1.93	346.50	5,860.8	44.8	5.0	0.51	-0.44	-7.37	0.0	0.0
5,997.0	3.69	356.96	5,994.6	51.3	4.3	1.36	1.31	7.81	0.0	0.0
6,092.0	4.48	12.60	6,089.4	58.0	4.9	1.43	0.83	16.46	0.0	0.0
6,187.0	5.80	28.51	6,184.0	65.9	8.0	2.03	1.39	16.75	0.0	0.0
6,282.0	6.42	31.41	6,278.4	74.6	13.1	0.73	0.65	3.05	0.0	0.0
6,377.0	5.98	31.68	6,372.9	83.4	18.4	0.46	-0.46	0.28	0.0	0.0
6,472.0	5.72	35.63	6,467.4	91.4	23.8	0.50	-0.27	4.16	0.0	0.0
6,546.0	5.36	36.33	6,541.0	97.2	28.0	0.49	-0.49	0.95	0.0	0.0
6,646.0	5.19	37.04	6,640.6	104.6	33.5	0.18	-0.17	0.71	0.0	0.0
6,741.0	5.01	40.11	6,735.2	111.2	38.7	0.34	-0.19	3.23	0.0	0.0
6,836.0	4.84	40.64	6,829.9	117.4	44.0	0.19	-0.18	0.56	0.0	0.0

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Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
6,931.0	4.57	40.47	6,924.6	123.3	49.1	0.28	-0.28	-0.18	0.0	0.0
7,026.0	4.40	36.16	7,019.3	129.1	53.7	0.40	-0.18	-4.54	0.0	0.0
7,121.0	3.87	35.37	7,114.0	134.7	57.7	0.56	-0.56	-0.83	0.0	0.0
7,216.0	3.61	37.92	7,208.8	139.7	61.4	0.32	-0.27	2.68	0.0	0.0
7,311.0	3.34	40.73	7,303.7	144.1	65.0	0.34	-0.28	2.96	0.0	0.0
7,406.0	3.17	40.99	7,398.5	148.2	68.6	0.18	-0.18	0.27	0.0	0.0
7,501.0	2.73	39.24	7,493.4	151.9	71.7	0.47	-0.46	-1.84	0.0	0.0
7,596.0	2.55	36.95	7,588.3	155.4	74.4	0.22	-0.19	-2.41	0.0	0.0
7,691.0	2.29	38.88	7,683.2	158.5	76.9	0.29	-0.27	2.03	0.0	0.0
7,786.0	2.20	38.62	7,778.1	161.4	79.2	0.10	-0.09	-0.27	0.0	0.0
7,880.0	1.76	36.16	7,872.1	164.0	81.2	0.48	-0.47	-2.62	0.0	0.0
7,975.0	1.41	27.63	7,967.0	166.2	82.6	0.44	-0.37	-8.98	0.0	0.0
8,070.0	1.23	22.62	8,062.0	168.2	83.5	0.22	-0.19	-5.27	0.0	0.0
8,165.0	1.14	30.45	8,157.0	170.0	84.4	0.19	-0.09	8.24	0.0	0.0
8,260.0	0.53	37.83	8,252.0	171.1	85.1	0.65	-0.64	7.77	0.0	0.0
8,355.0	0.53	31.59	8,347.0	171.8	85.6	0.06	0.00	-6.57	0.0	0.0
8,450.0	0.35	315.30	8,442.0	172.4	85.7	0.59	-0.19	-80.31	0.0	0.0
8,545.0	0.26	165.97	8,537.0	172.4	85.5	0.62	-0.09	-157.19	0.0	0.0
8,640.0	0.70	259.40	8,632.0	172.1	85.0	0.80	0.46	98.35	0.0	0.0
8,735.0	0.97	241.03	8,727.0	171.6	83.7	0.40	0.28	-19.34	0.0	0.0
8,830.0	0.97	245.87	8,821.9	170.9	82.3	0.09	0.00	5.09	0.0	0.0
8,925.0	1.41	251.23	8,916.9	170.2	80.5	0.48	0.46	5.64	0.0	0.0
9,020.0	1.49	238.92	9,011.9	169.2	78.3	0.34	0.08	-12.96	0.0	0.0
9,115.0	1.58	252.37	9,106.9	168.1	76.0	0.39	0.09	14.16	0.0	0.0
9,210.0	1.58	277.42	9,201.8	167.9	73.4	0.72	0.00	26.37	0.0	0.0
9,305.0	1.14	298.42	9,296.8	168.5	71.3	0.69	-0.46	22.11	0.0	0.0
9,400.0	1.58	315.12	9,391.8	169.9	69.6	0.62	0.46	17.58	0.0	0.0

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Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
9,494.0	2.29	321.98	9,485.7	172.3	67.5	0.79	0.76	7.30	0.0	0.0
9,589.0	1.76	311.96	9,580.7	174.8	65.2	0.67	-0.56	-10.55	0.0	0.0
9,684.0	0.97	266.08	9,675.6	175.7	63.3	1.36	-0.83	-48.29	0.0	0.0
9,779.0	0.79	222.93	9,770.6	175.2	62.1	0.70	-0.19	-45.42	0.0	0.0
9,835.0	3.53	179.93	9,826.6	173.2	61.8	5.35	4.89	-76.77	-1.5	0.3
KOP 9835.0' MD; 9826.6' TVD; 173.2'; 61.8'; 3.53										
9,840.0	3.79	179.20	9,831.6	172.8	61.8	5.35	5.27	-14.56	-1.8	0.3
9,861.0	6.56	174.54	9,852.5	170.9	62.0	13.33	13.19	-22.19	-3.6	0.3
9,908.0	14.19	162.93	9,898.7	162.8	63.9	16.75	16.23	-24.70	-11.7	-0.5
9,956.0	17.60	169.53	9,944.8	150.0	67.0	8.03	7.10	13.75	-24.5	2.0
10,008.0	22.26	183.35	9,993.7	132.4	67.8	12.69	8.96	26.58	-39.5	10.5
10,056.0	25.75	185.47	10,037.6	112.9	66.3	7.49	7.27	4.42	-53.9	12.1
10,083.1	26.78	184.67	10,061.9	101.0	65.2	4.00	3.78	-2.95	-61.7	10.9
FTP Crossing, MD:10083.1', TVD:10061.9',N/S:101.0', E/W:65.2', INC:26.78										
10,103.0	27.53	184.12	10,079.6	91.9	64.5	4.00	3.80	-2.77	-66.8	10.0
10,151.0	35.23	182.55	10,120.5	67.0	63.1	16.13	16.04	-3.27	-79.6	7.6
10,197.0	43.14	180.28	10,156.2	38.0	62.4	17.47	17.20	-4.93	-93.8	4.1
10,245.0	44.68	179.80	10,190.7	4.7	62.4	3.28	3.21	-1.00	-107.9	3.5
10,292.0	44.98	178.98	10,224.1	-28.4	62.8	1.39	0.64	-1.74	-117.9	2.5
10,340.0	49.41	179.18	10,256.7	-63.6	63.3	9.23	9.23	0.42	-125.2	3.5
10,387.0	53.31	179.81	10,286.0	-100.3	63.7	8.36	8.30	1.34	-130.9	4.9
10,435.0	50.98	179.87	10,315.5	-138.2	63.8	4.86	-4.85	0.13	-132.2	5.0
10,482.0	51.73	179.74	10,344.8	-174.9	63.9	1.61	1.60	-0.28	-127.8	5.0
10,530.0	54.40	179.25	10,373.7	-213.3	64.2	5.62	5.56	-1.02	-119.8	4.8
10,577.0	54.47	178.18	10,401.0	-251.5	65.1	1.86	0.15	-2.28	-108.3	5.1
10,625.0	59.65	179.28	10,427.1	-291.8	66.0	10.96	10.79	2.29	-94.0	6.6
10,672.0	63.60	179.87	10,449.4	-333.1	66.3	8.48	8.40	1.26	-79.5	6.9

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Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,720.0	65.09	178.84	10,470.2	-376.4	66.8	3.66	3.10	-2.15	-62.6	7.2
10,767.0	72.18	178.51	10,487.3	-420.1	67.8	15.10	15.09	-0.70	-46.0	7.7
10,815.0	80.93	180.38	10,498.5	-466.8	68.2	18.62	18.23	3.90	-34.8	7.6
10,862.0	83.55	179.50	10,504.8	-513.3	68.3	5.88	5.57	-1.87	-28.5	7.2
10,910.0	88.50	180.56	10,508.2	-561.2	68.2	10.55	10.31	2.21	-25.1	6.8
10,957.0	89.18	180.02	10,509.1	-608.2	68.0	1.85	1.45	-1.15	-24.1	6.2
11,037.0	91.10	178.63	10,508.9	-688.2	68.9	2.96	2.40	-1.74	-24.2	6.5
11,133.0	87.93	180.21	10,509.7	-784.2	69.9	3.69	-3.30	1.65	-23.3	6.8
11,227.0	87.49	180.04	10,513.5	-878.1	69.7	0.50	-0.47	-0.18	-19.5	5.9
11,322.0	88.11	179.07	10,517.1	-973.0	70.4	1.21	0.65	-1.02	-15.8	5.9
11,417.0	87.76	178.10	10,520.5	-1,067.9	72.8	1.08	-0.37	-1.02	-12.3	7.5
11,512.0	91.01	178.19	10,521.6	-1,162.9	75.9	3.42	3.42	0.09	-11.2	9.9
11,607.0	90.13	181.00	10,520.6	-1,257.8	76.5	3.10	-0.93	2.96	-12.0	9.8
11,702.0	90.13	180.91	10,520.4	-1,352.8	75.0	0.09	0.00	-0.09	-12.2	7.5
11,797.0	89.87	178.72	10,520.4	-1,447.8	75.3	2.32	-0.27	-2.31	-12.1	7.1
11,892.0	89.78	177.75	10,520.7	-1,542.8	78.2	1.03	-0.09	-1.02	-11.7	9.3
11,987.0	89.34	179.25	10,521.4	-1,637.7	80.7	1.65	-0.46	1.58	-10.9	11.1
12,082.0	89.25	179.51	10,522.6	-1,732.7	81.7	0.29	-0.09	0.27	-9.6	11.4
12,176.0	90.57	182.15	10,522.7	-1,826.7	80.3	3.14	1.40	2.81	-9.4	9.3
12,271.0	90.84	181.53	10,521.6	-1,921.7	77.3	0.71	0.28	-0.65	-10.5	5.5
12,366.0	91.45	180.30	10,519.7	-2,016.6	75.8	1.44	0.64	-1.29	-12.3	3.3
12,461.0	88.90	179.25	10,519.4	-2,111.6	76.1	2.90	-2.68	-1.11	-12.4	2.9
12,556.0	88.90	180.30	10,521.2	-2,206.6	76.5	1.11	0.00	1.11	-10.4	2.6
12,651.0	91.19	180.48	10,521.1	-2,301.6	75.9	2.42	2.41	0.19	-10.3	1.2
12,746.0	90.22	179.51	10,520.0	-2,396.6	75.9	1.44	-1.02	-1.02	-11.2	0.5
12,841.0	89.25	180.91	10,520.4	-2,491.6	75.5	1.79	-1.02	1.47	-10.6	-0.6
12,936.0	93.91	180.30	10,517.8	-2,586.5	74.5	4.95	4.91	-0.64	-13.0	-2.3

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Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
12,987.0	96.38	180.12	10,513.2	-2,637.3	74.3	4.86	4.84	-0.35	-17.5	-2.9
13,031.0	96.46	179.60	10,508.3	-2,681.0	74.4	1.19	0.18	-1.18	-22.3	-3.1
13,126.0	91.89	181.27	10,501.4	-2,775.7	73.7	5.12	-4.81	1.76	-29.1	-4.5
13,221.0	89.69	180.74	10,500.1	-2,870.7	72.1	2.38	-2.32	-0.56	-30.2	-6.9
13,317.0	88.11	179.68	10,501.9	-2,966.7	71.7	1.98	-1.65	-1.10	-28.2	-8.0
13,412.0	87.76	179.07	10,505.3	-3,061.6	72.7	0.74	-0.37	-0.64	-24.7	-7.7
13,507.0	83.89	179.86	10,512.2	-3,156.3	73.6	4.16	-4.07	0.83	-17.9	-7.5
13,602.0	87.76	180.65	10,519.2	-3,251.1	73.2	4.16	4.07	0.83	-11.1	-8.6
13,698.0	89.43	179.51	10,521.5	-3,347.0	73.1	2.11	1.74	-1.19	-8.8	-9.5
13,793.0	89.60	179.60	10,522.3	-3,442.0	73.8	0.20	0.18	0.09	-8.1	-9.5
13,888.0	90.57	180.65	10,522.2	-3,537.0	73.6	1.50	1.02	1.11	-8.4	-10.4
13,984.0	93.21	179.86	10,519.0	-3,633.0	73.2	2.87	2.75	-0.82	-11.6	-11.6
14,079.0	87.05	177.84	10,518.8	-3,727.9	75.1	6.82	-6.48	-2.13	-11.9	-10.4
14,174.0	89.08	178.37	10,522.0	-3,822.8	78.2	2.21	2.14	0.56	-8.8	-7.9
14,269.0	88.72	178.81	10,523.8	-3,917.7	80.6	0.60	-0.38	0.46	-7.1	-6.3
14,364.0	89.16	179.60	10,525.6	-4,012.7	81.9	0.95	0.46	0.83	-5.4	-5.7
14,459.0	91.36	177.75	10,525.2	-4,107.7	84.1	3.03	2.32	-1.95	-6.1	-4.2
14,554.0	90.92	175.82	10,523.3	-4,202.5	89.4	2.08	-0.46	-2.03	-8.1	0.4
14,649.0	91.28	177.58	10,521.4	-4,297.3	94.9	1.89	0.38	1.85	-10.2	5.1
14,744.0	90.31	178.37	10,520.1	-4,392.2	98.2	1.32	-1.02	0.83	-11.7	7.7
14,839.0	90.31	176.52	10,519.6	-4,487.1	102.5	1.95	0.00	-1.95	-12.4	11.3
14,934.0	90.04	182.06	10,519.3	-4,582.1	103.6	5.84	-0.28	5.83	-12.9	11.7
15,029.0	88.90	181.62	10,520.2	-4,677.0	100.6	1.29	-1.20	-0.46	-12.2	8.0
15,124.0	88.90	180.56	10,522.0	-4,772.0	98.8	1.12	0.00	-1.12	-10.5	5.4
15,219.0	93.39	179.95	10,520.1	-4,867.0	98.4	4.77	4.73	-0.64	-12.6	4.3
15,315.0	91.98	179.16	10,515.6	-4,962.8	99.1	1.68	-1.47	-0.82	-17.3	4.3
15,410.0	88.81	179.86	10,515.0	-5,057.8	99.9	3.42	-3.34	0.74	-18.3	4.4

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Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
15,505.0	87.41	180.30	10,518.1	-5,152.8	99.8	1.54	-1.47	0.46	-15.5	3.5
15,601.0	89.69	181.97	10,520.5	-5,248.7	97.9	2.94	2.37	1.74	-13.5	0.9
15,696.0	88.55	179.25	10,522.0	-5,343.7	96.9	3.10	-1.20	-2.86	-12.4	-0.8
15,792.0	91.80	181.09	10,521.7	-5,439.7	96.6	3.89	3.39	1.92	-13.1	-1.8
15,887.0	92.68	179.42	10,518.0	-5,534.6	96.2	1.99	0.93	-1.76	-17.2	-3.0
15,982.0	92.42	178.72	10,513.8	-5,629.5	97.7	0.79	-0.27	-0.74	-21.9	-2.1
16,078.0	88.99	177.40	10,512.6	-5,725.4	100.9	3.83	-3.57	-1.37	-23.4	0.4
16,172.0	91.28	178.28	10,512.4	-5,819.3	104.5	2.61	2.44	0.94	-24.1	3.2
16,267.0	93.21	180.30	10,508.6	-5,914.2	105.7	2.94	2.03	2.13	-28.2	3.7
16,362.0	92.77	178.72	10,503.7	-6,009.1	106.5	1.72	-0.46	-1.66	-33.5	3.8
16,457.0	88.02	180.83	10,503.0	-6,104.1	106.9	5.47	-5.00	2.22	-34.6	3.4
16,552.0	86.79	179.95	10,507.3	-6,199.0	106.2	1.59	-1.29	-0.93	-30.7	2.1
16,647.0	89.29	179.68	10,510.6	-6,293.9	106.5	2.65	2.63	-0.28	-27.8	1.6
16,742.0	90.92	177.66	10,510.4	-6,388.9	108.7	2.73	1.72	-2.13	-28.4	3.1
16,837.0	90.13	177.66	10,509.5	-6,483.8	112.6	0.83	-0.83	0.00	-29.7	6.3
16,932.0	92.51	179.07	10,507.3	-6,578.7	115.3	2.91	2.51	1.48	-32.3	8.3
17,027.0	93.12	178.28	10,502.7	-6,673.6	117.5	1.05	0.64	-0.83	-37.3	9.8
17,122.0	92.24	178.98	10,498.2	-6,768.4	119.8	1.18	-0.93	0.74	-42.2	11.3
17,217.0	90.31	179.33	10,496.1	-6,863.4	121.2	2.06	-2.03	0.37	-44.7	12.0
17,312.0	91.63	177.40	10,494.5	-6,958.3	123.9	2.46	1.39	-2.03	-46.7	14.0
17,407.0	89.52	179.07	10,493.6	-7,053.3	126.8	2.83	-2.22	1.76	-48.0	16.2
17,502.0	89.43	178.10	10,494.4	-7,148.3	129.1	1.03	-0.09	-1.02	-47.6	17.8
17,597.0	86.00	178.81	10,498.2	-7,243.1	131.7	3.69	-3.61	0.75	-44.1	19.7
17,691.0	87.85	179.86	10,503.3	-7,337.0	132.8	2.26	1.97	1.12	-39.5	20.0
17,786.0	90.48	179.51	10,504.6	-7,432.0	133.3	2.79	2.77	-0.37	-38.5	19.8
17,881.0	89.87	178.37	10,504.4	-7,526.9	135.1	1.36	-0.64	-1.20	-39.2	20.9

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Company:	Midland	**Local Co-ordinate Reference:**	Well #501H
Project:	Lea County, NM (NAD 83 NME)	**TVD Reference:**	KB = 25 @ 3662.0usft
Site:	Modelo 10 Fed Com	**MD Reference:**	KB = 25 @ 3662.0usft
Well:	#501H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	PEDM

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,904.0	89.69	177.75	10,504.4	-7,549.9	135.9	2.81	-0.78	-2.70	-39.2	21.5
Last MWD Survey (MD = 17904.0)										
17,970.0	89.69	177.75	10,504.8	-7,615.9	138.4	0.00	0.00	0.00	-39.1	23.5
Projection to Bit (MD = 17970.0)										

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
9,835.0	9,826.6	173.2	61.8	KOP 9835.0' MD; 9826.6' TVD; 173.2'; 61.8'; 3.53
10,083.1	10,061.9	101.0	65.2	FTP Crossing, MD:10083.1', TVD:10061.9',N/S:101.0', E/W:65.2', INC:26.78
17,904.0	10,504.4	-7,549.9	135.9	Last MWD Survey (MD = 17904.0)
17,970.0	10,504.8	-7,615.9	138.4	Projection to Bit (MD = 17970.0)

Checked By: _____ Approved By: _____ Date: _____

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE
KAY MADDOX 06/06/2022

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Lea County, NM (NAD 83 NME)

Modelo 10 Fed Com #501H

Plan #2

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

G T M

Azimuths to Grid North
True North: -0.36°
Magnetic North: 6.53°

Magnetic Field
Strength: 47844.4nT
Dip Angle: 60.05°
Date: 5/10/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.53°
To convert a Magnetic Direction to a True Direction, Add 6.90° East
To convert a True Direction to a Grid Direction, Subtract 0.36°

WELL DETAILS: #501H

KB = 25 @ 3662.0usft
3637.0

Northing	Easting	Latitude	Longitude
451286.00	750991.00	32° 14' 19.830 N	103° 39' 18.896 W

LATERAL SECTION DETAILS

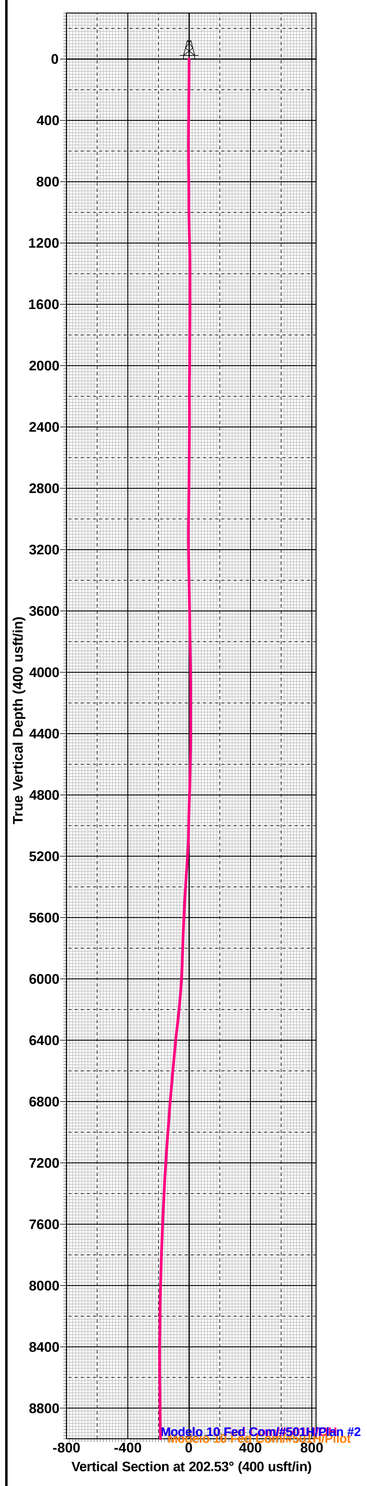
	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
	9974.2	0.70	219.97	9965.8	173.6	60.4	0.00	0.00	-172.6	
	10869.3	90.05	179.57	10533.4	-399.9	60.2	10.00	-40.40	400.7	
	12468.6	90.05	179.57	10532.0	-1999.1	72.4	0.00	0.00	2000.0	TGT #1(Modelo 10 FC #201H)
4	12471.8	90.11	179.57	10532.0	-2002.3	72.4	2.00	0.35	2003.2	
5	13468.6	90.11	179.57	10530.0	-2999.1	79.9	0.00	0.00	3000.0	TGT #2(Modelo 10 FC #201H)
6	13477.3	89.94	179.57	10530.0	-3007.7	80.0	2.00	-180.00	3008.6	
7	14468.7	89.94	179.57	10531.0	-3999.1	87.5	0.00	0.00	4000.0	TGT #3(Modelo 10 FC #201H)
8	14471.5	89.89	179.57	10531.0	-4001.9	87.5	2.00	180.00	4002.8	
9	15468.7	89.89	179.57	10533.0	-4999.1	95.1	0.00	0.00	5000.0	TGT #4(Modelo 10 FC #201H)
10	15474.9	89.76	179.57	10533.0	-5005.3	95.1	2.00	-180.00	5006.2	
11	18100.7	89.76	179.57	10544.0	-7631.0	115.0	0.00	0.00	7631.9	PBHL(Modelo 10 FC #201H)

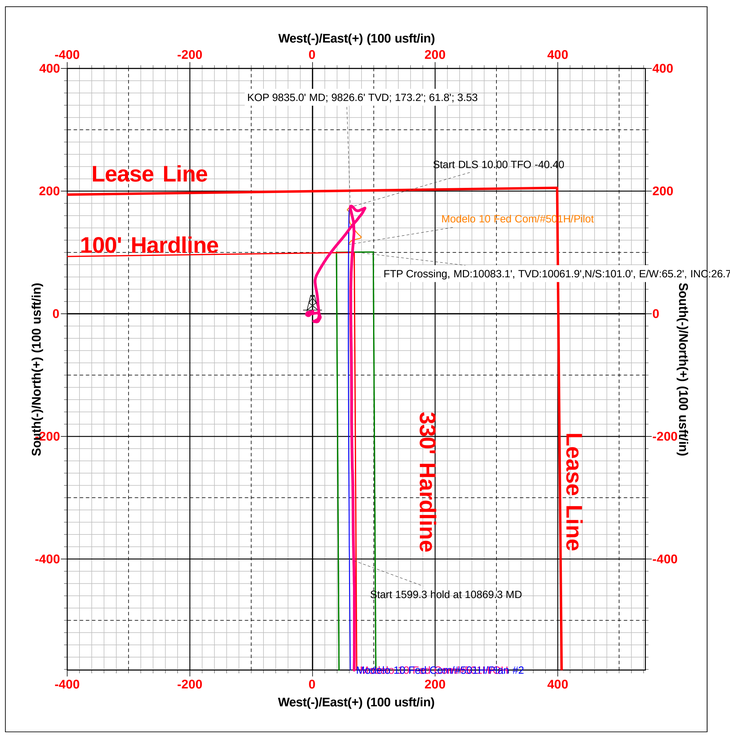
CASING DETAILS

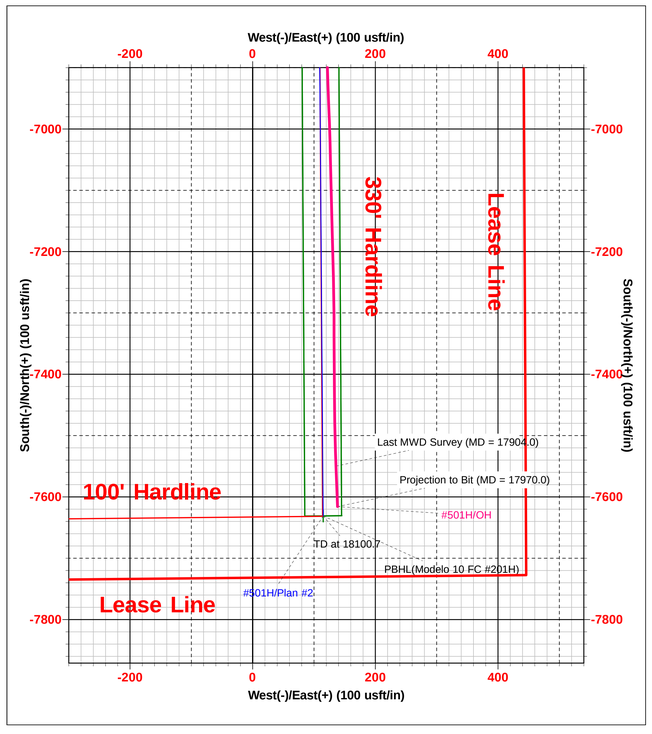
No casing data is available

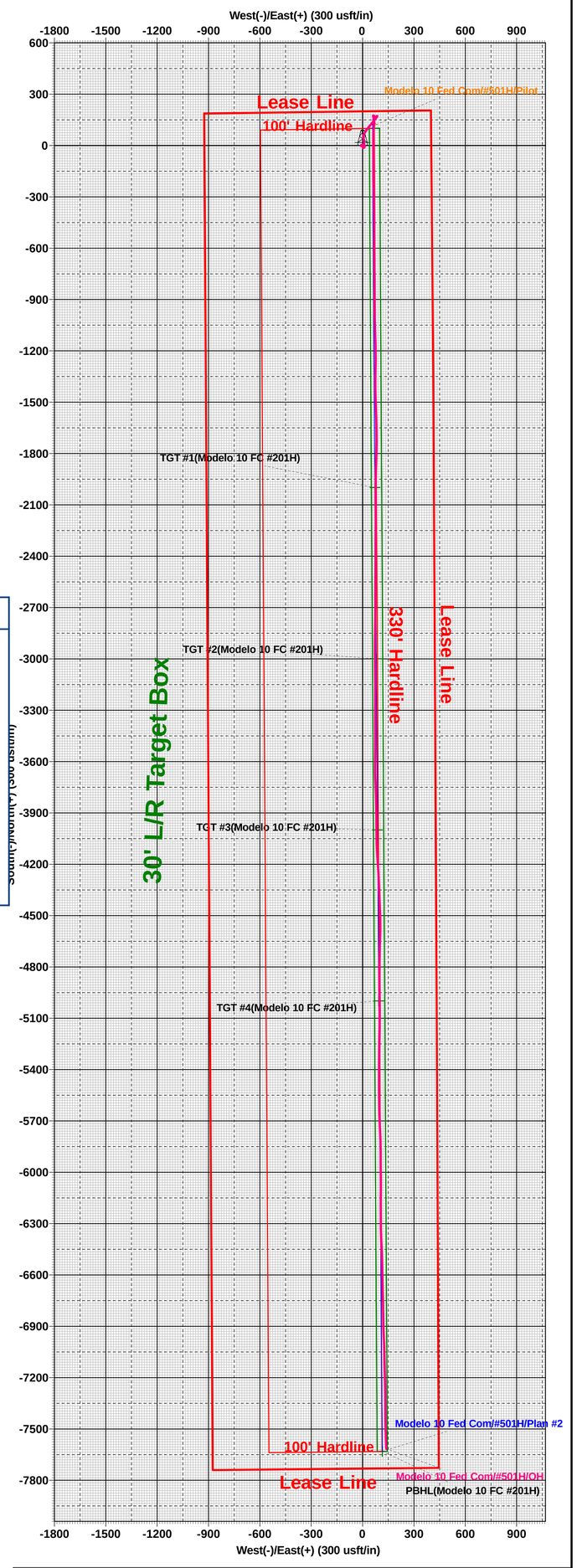
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

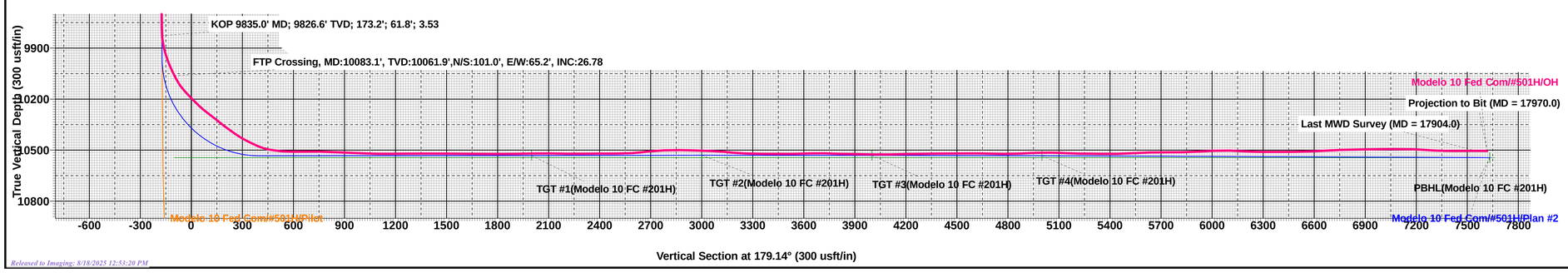
Name	TVD	+N/-S	+E/-W	Northing	Easting
TGT #2(Modelo 10 FC #201H)	10530.0	-2999.1	79.9	448286.90	751070.92
TGT #3(Modelo 10 FC #201H)	10531.0	-3999.1	87.5	447286.90	751078.50
TGT #1(Modelo 10 FC #201H)	10532.0	-1999.1	72.4	449286.90	751063.35
TGT #4(Modelo 10 FC #201H)	10533.0	-4999.1	95.1	446286.90	751086.07
PBHL(Modelo 10 FC #201H)	10544.0	-7631.0	115.0	443655.00	751106.00

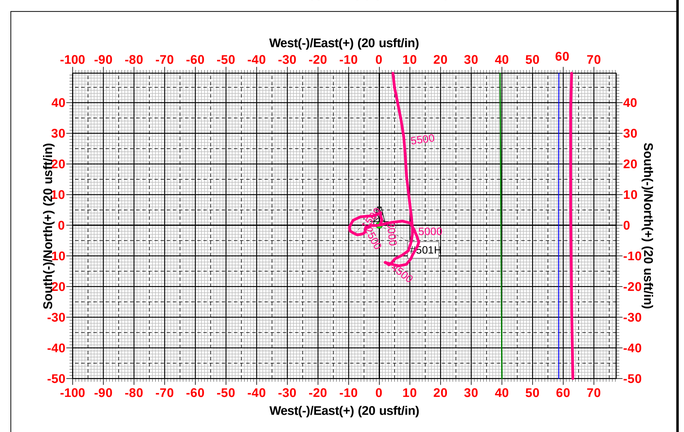


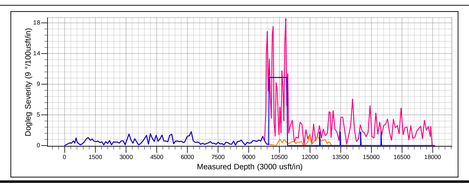












Lea County, NM (NAD 83 NME)
Modelo 10 Fed Com
#501H
OH
Plan #2
12:35, April 29 2022
James Dunn

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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 257400
	Action Type: [C-105] Well (Re)Completion (C-105)

ACKNOWLEDGMENTS

☑	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☑	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
☐	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
☐	I hereby certify that no additives containing PFAS chemicals were added to the fluid used in the completion or recompletion of this well.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 257400

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 257400
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	8/18/2025