



U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Completion Print

02/22/2024

Operator Name AMEREDEV OPERATING LLC SHL Lot C Sec 5 26S 36E	Well Name HOLLY FED COM 26 36 05 County LEA	Well Number 113H State NM	US Well Number 3002546495 Lease Number(s) NMNM137470
Well Type OIL WELL	Well Status Drilling Well	Agreement Name Holly 26 36 05 Fed Com 113H	Agreement Number(s) NMNM141284
Allottee/Tribe Name	Well Pad Name RB/HOL	Well Pad Number 4S	APD ID 10400042416

Section 1 - General

Well Completion Report Id: 79769**Submission Date:** 08-16-2021**BLM Office:** Carlsbad Field Office**User:** CHRISTIE HANNA**Title:** Senior Engineering Technician**Federal/Indian:** FEDERAL**Lease Number:** NMNM137470**Lease Acres:** 440**Agreement in place?:** NO**Federal or Indian Agreement:** FEDERAL**Agreement Number:** NMNM141284**Agreement Name:** Holly 26 36 05

Additional Information

Keep this Well Completion Report confidential?: NO**APD Operator:** AMEREDEV
OPERATING LLC

Section 2 - Well

Field/Pool or Exploratory:**Pool Name:** WOLFCAMP, WEST**Field Name:** JAL**Well Type:** OIL WELL**Spud Date:** 12-20-2019**Date Total Measured Depth Reached:** 02-04-2020**Drill & Abandon or Ready To Produce:** READY TO PRODUCE**Well Class:** HORIZONTAL

Operator Name AMEREDEV OPERATING LLC SHL Lot C Sec 5 26S 36E	Well Name HOLLY FED COM 26 36 05	Well Number 113H	US Well Number 3002546495
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Section 3 - Geologic

Formation Name	Lithology	Describe Lithology	Elevation	TVD	MD	Mineral Resources	Describe Mineral
RUSTLER ANHYDRITE	ANHYDRITE		3001	1076	1076	NONE	
SALADO	ANHYDRITE, SALT		1459	1542	1542	NONE	
TANSILL	LIMESTONE		-172	3173	3173	NONE	
CAPITAN REEF	LIMESTONE		-754	3755	3755	USEABLE WATER	
LAMAR	LIMESTONE		-2065	5066	5066	NONE	
BELL CANYON	SANDSTONE		-2936	5937	5937	NATURAL GAS, OIL	
BRUSHY CANYON	SANDSTONE		-4020	7021	7021	NATURAL GAS, OIL	
BONE SPRING LIME	LIMESTONE		-5171	8172	8172	NONE	
BONE SPRING 1ST	SANDSTONE		-6538	9539	9539	NATURAL GAS, OIL	
BONE SPRING 2ND	SANDSTONE		-7070	10071	10071	NATURAL GAS, OIL	
BONE SPRING 3RD	LIMESTONE		-7652	10653	10653	NONE	
BONE SPRING 3RD	SANDSTONE		-8237	11238	11238	NATURAL GAS, OIL	
WOLFCAMP	SHALE		-8484	11485	11485	NATURAL GAS, OIL	

Completion and Completed

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Completion Data

Wellbore Code	Completion Code	Interval Number	Case Number	Lease Number	Well Completion Type	Describe Well Completion Type	Completion Status	Date Completed	Date First Produced	Formation	Interval Top (MD)	Interval Bottom (MD)	Interval Perforated?	Perforation Size	Number of Holes	Status of Interval
00	S1	1	NMNM141284	NMNM137470	NEW		POW	05-18-2021	05-19-2021	WOLFCA MP	11935	22265	Y	.49	5106	OPEN

Treatment Data

Wellbore Code	Completion Code	Interval Number	Interval Treated?	Treatment Type	Totle Fluid (bbls)	Total Proppant (lbs)	Treatment Remarks
00	S1	1	Y	FRAC	691647	31209530	

Production Data

Wellbore Code	Completion Code	Interval Number	API Oil Gravity	Gas Gravity	Production Method	Describe Production	Disposition of Gas	Describe Disposition
00	S1	1	43.5		FLOWS FROM WELL		SOLD	

Test Data

Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing PResure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)

Operator Name AMEREDEV OPERATING LLC SHL Lot C Sec 5 26S 36E	Well Name HOLLY FED COM 26 36 05	Well Number 113H	US Well Number 3002546495
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Wellbore Code	Completion Code	Interval Number	Test Date	Hours Tested	24-Hour Rate Oil (bbls)	24-Hour Rate Gas (MCF)	24-Hour Rate Water(BWPD)	Gas-Oil Ratio (SCF/Bbl)	Choke Size	Tubing Pressure	Tubing Pressure Shut-In (psi)	Casing Pressure (psi)
00	S1	1	06/14/2021	24	1531	1736	1769	1133	64/64	689		0

Well Location

Survey Type: RECTANGULAR

Survey Number: 18329

Datum: NAD83

Vertical Datum: NAVD88

Reference Datum:

	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
	SHL	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0789462	-103.2900892	3001	N/A	N/A	FEDERAL	NMNM137470			230	FNL	1730	FWL	26S	36E	5	Lot C
KOP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.08027	-103.2898253	-8212	11238	11213	STATE	STATE				253	FSL	1807	FWL	25S	36E	32	SESW
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0650658	-103.2902011	-8799	17091	11800	FEDERAL	NMNM137473				0	FNL	1744	FWL	26S	36E	8	NENW
PPP Wellbore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0757438	-103.290285	-8787	13200	11788	FEDERAL	NMNM6727				1320	FSL	1681	FWL	26S	36E	5	SESW

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	State	Meridian	County	Latitude	Longitude	Elevation (MSL)	MD (ft)	TVD (ft)	Lease Type	Lease Number	Plug TVD (ft)	Plug MD (ft)	Plug Type	NS-Foot	NS-Indicator	EW-Foot	EW-Indicator	Township	Range	Section	Aliquot/Lot/Tract
PPP Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.079198	-103.290273	-8722	11935	11723	FEDERAL	NMNM137470				138	FNL	1673	FWL	26S	36E	5	NENW
EXIT Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.0508577	-103.2902942	-8924	22265	11925	FEDERAL	NMNM137473				114	FSL	1654	FWL	26S	36E	8	SESW
BHL Well bore 00	NEW MEXICO	NEW MEXICO PRINCIPAL	LEA	32.050686	-103.290299	-8924	22329	11925	FEDERAL	NMNM137473	11925	22270	Composite Bridge Plug	51	FSL	1652	FWL	26S	36E	8	Lot N

Casing, Liner and Tubing

Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
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Casing and Liner

Wellbore Code	Casing String Type	Hole Size	Top Setting Depth (MD)	Bottom Setting Depth (MD)	Casing Size	Wt(lbs/ft)	Casing Grade	Describe Other Casing Grade	Joint	Other Joint	Amount Pulled (ft)
00	SURFACE	17.5	0	1280	13.375	68	J-55		OTHER	BTC	
00	INTERMEDIATE	9.875	0	11050	7.625	29.7	HCL-80		OTHER	BTC	
00	PRODUCTION	6.75	0	22296	5.5	23	OTHER	P-110	OTHER	MS2 Anaconda GT	

Cementing

Wellbore Code	Casing String Type	Stage Tool Depth	Cement Lead Type	Cement Lead Qty (sks)	Cement Lead Yield (cu.ft/sks)	Cement Lead Top (MD)	Cement Tail Type	Cement Tail Qty (sks)	Cement Tail Yield(cu.ft/sks)	Cement Tail Top (MD)	Total (Lead + Tail) Cement Slurry Volume
00	SURFACE		Class C	1395	1.32	0					328
00	INTERMEDIATE	3387	CLASS H	810	4.45	0	CLASS H	810	1.18	6596	812.2
00	PRODUCTION		CLASS H	500	2.04	0	Class H	1010	1.22	7530	401.1

Tubing

Wellbore Code	Tubing Size	Describe Other	Tubing Setting Depth (MD/ft)	Packer Depth (MD/ft)	Tubing Weight	Tubing Grade	Describe Other	Tubing Coupling	Describe Other
00	2.375		11242	11242	4	L-80		OTHER	EUE

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Logs

Wellbore Code	Log Upload	Was Well Cored?	Was DST Run?	Directional Survey?	Geologic Report	Wellbore Diagram
00	YES	NO	NO	YES	YES	YES

Operator

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records. 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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Well Completion Reports through this system satisfies regulations requiring a submission of Form 3160-4 or a Well Completion Report.

Name: AMEREDEV OPERATING LLC

Signed By: CHRISTIE HANNA

Title: Senior Engineering
Technician

Signed on: 11/07/2023

Street Address: 2901 VIA FORTUNA, SUITE 600

City: AUSTIN

State: TX

Zip: 78746

Phone: (737)300-4723

Email address: CHANNA@AMEREDEV.COM

Field

Representative Name: Shane McNeely

Street Address: 2901 VIA FORTUNA STE. 600

City: AUSTIN

State: TX

Zip: 78746

Phone: (737)300-4729

Extension:

Email address: smcneely@ameredev.com

Attachments

Operator Name AMEREDEV OPERATING LLC SHL Lot C Sec 5 26S 36E	Well Name HOLLY FED COM 26 36 05 County LEA	Well Number 113H State NM	US Well Number 3002546495 Lease Number(s) NMNM137470
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Holly_113H_As_Drilled_LLR_20210816104605.pdf

Holly_113H_As_Drilled_DR_20210816104605.pdf

Ameredev_Geoprogram_Holly_113H_State_Submittal_20210816104612.pdf

Holly_Fed_Com_26_36_05_113H_Wellbore_Diagram_and_CDA_As_Drilled_20210816104619.pdf

Holly_Fed_Com_26_36_05_113H_1inchMD_Final_20230301101200.pdf

HOLLY_FED_COM_26_36_05_113H_AS_PERMITTED_C_102_20230301101845.pdf

AD_HOLLY_FED_COM_26_36_05_113H_S_20230301101848.pdf

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☐ Other			5. Lease Serial No.		
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing			6. If Indian, Allottee or Tribe Name		
Other: _____			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	Perforated Interval	Size	No. Holes	Perf. Status
A)						
B)						
C)						
D)						

26. Perforation Record

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)

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
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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.

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: LOT: C / 230 FNL / 1730 FWL / TWSP: 26S / RNG: 36E / SEC: 5 / LAT: 32.0789462 / LONG: -103.2900892

KOP: SESW / 253 FSL / 1807 FWL / TWSP: 25S / RNG: 36E / SEC: 32 / LAT: 32.08027 / LONG: -103.2898253

PPP: NENW / 138 FNL / 1673 FWL / TWSP: 26S / RNG: 36E / SEC: 5 / LAT: 32.079198 / LONG: -103.290273

PPP: SESW / 1320 FSL / 1681 FWL / TWSP: 26S / RNG: 36E / SEC: 5 / LAT: 32.0757438 / LONG: -103.290285

PPP: NENW / 0 FNL / 1744 FWL / TWSP: 26S / RNG: 36E / SEC: 8 / LAT: 32.0650658 / LONG: -103.2902011

EXIT: SESW / 114 FSL / 1654 FWL / TWSP: 26S / RNG: 36E / SEC: 8 / LAT: 32.0508577 / LONG: -103.2902942

BHL: LOT: N / 51 FSL / 1652 FWL / TWSP: 26S / RNG: 36E / SEC: 8 / LAT: 32.050686 / LONG: -103.290299

Summary of Porous Zones Information:

Formation: BRUSHY CANYON, Descriptions, Contents, etc: null, Bottom: 7021

Formation: BONE SPRING LIME, Descriptions, Contents, etc: null, Bottom: 8172

Formation: BONE SPRING 1ST, Descriptions, Contents, etc: null, Bottom: 9539

Formation: BONE SPRING 2ND, Descriptions, Contents, etc: null, Bottom: 10071

Formation: BONE SPRING 3RD, Descriptions, Contents, etc: null, Bottom: 10653

Formation: BONE SPRING 3RD, Descriptions, Contents, etc: null, Bottom: 11238

Formation: WOLFCAMP, Descriptions, Contents, etc: null, Bottom: 11485

Attachments: 00S1

Log Attachments:

- 1)
Holly_Fed_Com_26_36_05_113H__Wellbore_Diagram_and_CDA_As_Drilled_20210816104619.pdf
- 2) HOLLY_FED_COM_26_36_05_113H__AS_PERMITTED_C_102_20230301101845.pdf
- 3) AD_HOLLY_FED_COM_26_36_05_113H_S_20230301101848.pdf
- 4) Ameredev_Geoprolog_Holly_113H_State_Submittal_20210816104612.pdf
- 5) Holly_Fed_Com_26_36_05_113H_1inchMD_Final_20230301101200.pdf
- 6) Holly_113H_As_Drilled_LLRL_20210816104605.pdf
- 7) Holly_113H_As_Drilled_DR_20210816104605.pdf



Ameredev II, LLC

As-Drilled Wellbore Schematic

Well: Holly Fed Com 26-36-05 113H
SHL: Sec. 05 26S-36E 230' FNL & 1730' FWL
BHL: Sec. 08 26S-36E 51' FSL & 1652' FWL
 Lea, NM
Wellhead: A - 13-5/8" 10M x 13-5/8" SOW
 B - 13-5/8" 10M x 13-5/8" 10M
 C - 13-5/8" 10M x 13-5/8" 10M
 Tubing Spool - 7-1/16" 15M x 13-3/8" 10M
Xmas Tree: 2-9/16" 10M
Tubing: 2-3/8" L-80 8rd EUE

Co. Well ID: 40852
AFE No.: 2019-010
API No.: xxxxxxxxxxxx
GL: 3,001'
Field: Delaware
Objective: Wolfcamp A
TVD: 11,924'
MD: 22,296'
Rig: H&P 616 **KB 27'**
E-Mail: Wellsite2@ameredev.com

Hole Size	Formation Tops	Logs	Cement	Mud Weight
17.5"	Rustler 1,076' 13.375" 68# J-55 BTC 1,280'	1,395 Sacks TOC 0'	100% Excess	8.4-8.6 ppg WBM
12.25"	Salado 1,542' Tansill 3,173' DV Tool with ACP 3,387' Capitan Reef 3,755' Lamar 5,066' Bell Canyon 5,937' No Casing 5,191'			8.5-9.4 Diesel Brine Emulsion
9.875"	Brushy Canyon 7,021' Bone Spring Lime 8,172' First Bone Spring 9,539' Second Bone Spring 10,071' Third Bone Spring Upper 10,653' 7.625" 29.7# L-80HC BTC 11,050'	1,620 Sacks TOC 0'	50% Excess	
6.75"	Third Bone Spring 11,238' Wolfcamp 11,485' 5.5" 23# P110MS2 Anaconda GT 22,296' Target Wolfcamp A 11924 TVD // 22296 MD	1,510 Sacks TOC 0'	25% Excess	10.5-12.5 ppg OBM

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 30-025-	² Pool Code 33813	³ Pool Name Jal; Wolfcamp, West
⁴ Property Code	⁵ Property Name HOLLY FED COM 26 36 05	
⁷ OGRID No. 372224	⁸ Operator Name AMEREDEV OPERATING, LLC.	⁶ Well Number 113H
		⁹ Elevation 3001'

¹⁰Surface Location

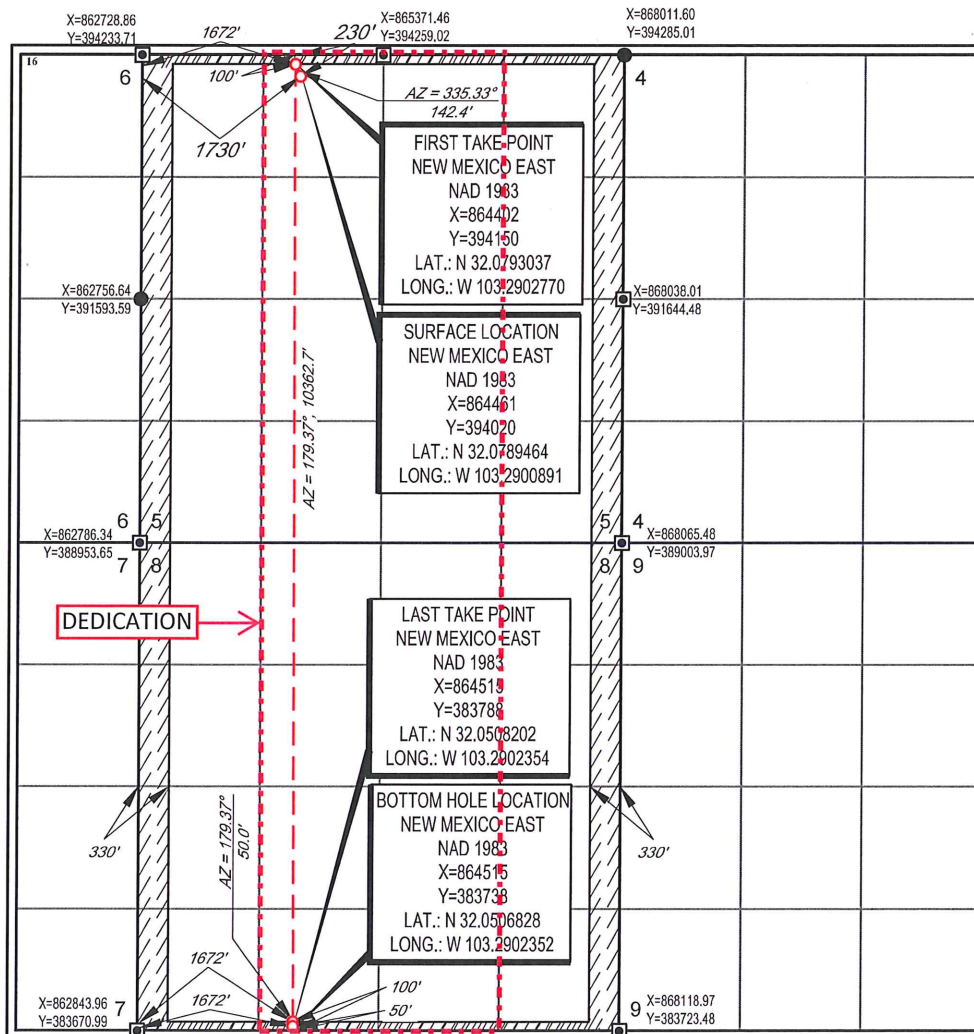
UL or lot no. C	Section 5	Township 26-S	Range 36-E	Lot Idn -	Feet from the 230'	North/South line NORTH	Feet from the 1730'	East/West line WEST	County LEA
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. N	Section 8	Township 26-S	Range 36-E	Lot Idn -	Feet from the 50'	North/South line SOUTH	Feet from the 1672'	East/West line WEST	County LEA
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¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code C	¹⁵ Order No.
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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.



¹⁷OPERATOR 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.

Floyd Hammond 2/27/19
Signature Date

Floyd Hammond

Printed Name

fhammond@amereDEV.com

E-mail Address

¹⁸SURVEYOR 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.

05/01/2018
Date of Survey
Signature and Seal of Professional Surveyor

Michael D. Brown
MICHAEL D. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

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
AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46495	² Pool Code 98234	³ Pool Name WC-025 G-09 S263619C; WOLFCAMP
⁴ Property Code 326326	⁵ Property Name HOLLY FED COM 26 36 05	⁶ Well Number 113H
⁷ OGRID No. 372224	⁸ Operator Name AMEREDEV OPERATING, LLC.	⁹ Elevation 3001'

¹⁰Surface Location

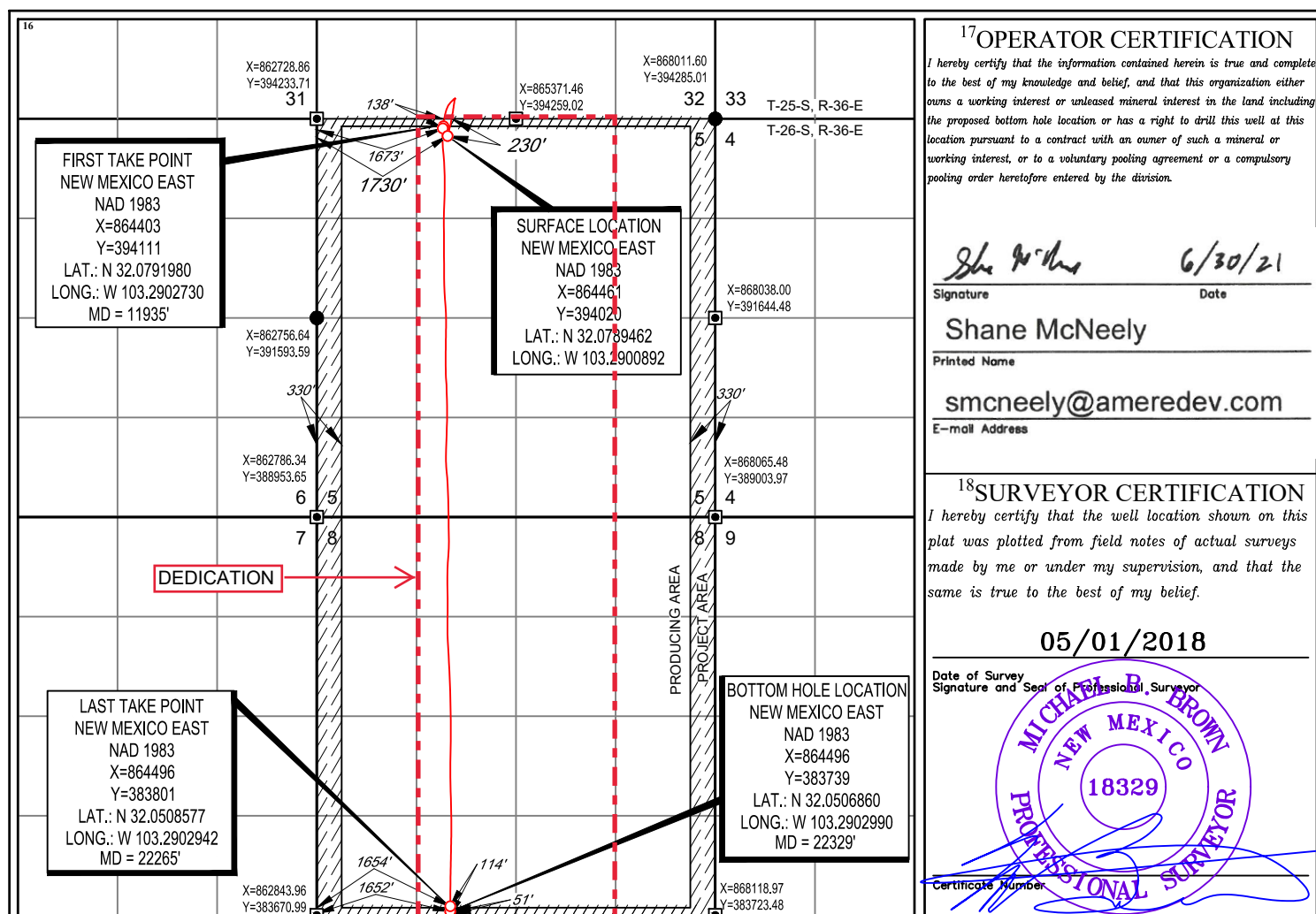
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	5	26-S	36-E	-	230'	NORTH	1730'	WEST	LEA

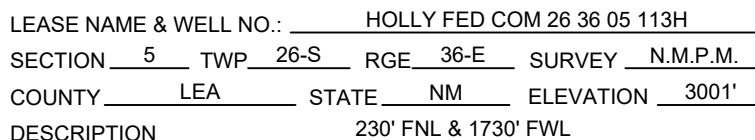
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	26-S	36-E	-	51'	SOUTH	1652'	WEST	LEA

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code C	¹⁵ Order No.
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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.





Michael Blake Brown, P.S. No. 18329

HOLLY FED COM 26 36 05 113H AS-DRILLED	REVISION:		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 AMEREDEV OPERATING, LLC. 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.
	INT	DATE	
DATE: 05/06/21			
FILE:AD_HOLLY_FED_COM_26_36_05_113H			
DRAWN BY: EAH			
SHEET : 1 OF 1			



Geoprog Form

Date

Well Name	Holly Fed Com 26-36-05 113H	API		Name	Eric Rhoden	Email	erhoden@ameredev.com	Office	(737) 300-4719	Cell	(504) 432-4999
Region	Permian			Geologist							
Prospect				Engineer	Floyd Hammond		fhammond@ameredev.com		(737) 300-4724		(512) 783-6810
Field	Delaware WCA			Land	Noah Bramble		nbramble@ameredev.com		(737) 300-4713		(303) 503-6491
Prod Type	(Oil/Gas)	Oil		Borehole Type	Horizontal						

Location											
State	New Mexico	County	Lea	State	New Mexico	County	Lea				
Surface	Lat.		Long.		Lat.	32.0789464	Long.	-103.2900891			
BH	Lat.		Long.		Lat.	32.0510951	Long.	-103.2902358			
Datum	NAD 27	Projection		Datum	NAD 83	Projection					
State County Elevation											
Surface	Twn	26S	Rge	36E	Sec.	5	GR	3,001			
BH	Twn	26S	Rge	36E	Sec.	8	KB	3,026			

Vertical Fm											
Proposed TD	WFMP A	md	11721								
1st Target	WFMP A	md	11721								
2nd Target		md									
3rd Target											

Lateral Fm											
BHL	WFMP A	md		tvd		ss					
FTP	WFMP A	md		tvd		ss					
LTP	WFMP A	md		tvd		ss					

Fm Tops	ss	tvd	md	Lithology	Mineral Resources	ZOI (Y/N)	MW	Type	Bit Size	Casing Size	H2S	Comments
Dewey Lake						N						
Rustler	1,952	1,076		Anhydrite	None	N						
Salado	1,486	1,542		Salt	None	N						
Tansill	-145	3,173		Limestone	None	N						
Capitan	-727	3,755		Limestone	Useable Water	N						
Lamar	-2,038	5,066		Limestone	None	N						
Bell Canyon	-2,909	5,937		Sandstone	Oil/Natural Gas	N						
Brushy Canyon	-3,993	7,021		Sandstone	Oil/Natural Gas	N						
Bone Spring Lime	-5,144	8,172		Limestone	None	N						
First Bone Spring	-6,511	9,539		Sandstone	Oil/Natural Gas	N						
Second Bone Spring	-7,043	10,071		Sandstone	Oil/Natural Gas	N						
Upper Third Bone Spring	-7,625	10,653		Limestone	None	N						
Third Bone Spring	-8,210	11,238		Sandstone	Oil/Natural Gas	N						
Wolfcamp	-8,457	11,485		Shale	Oil/Natural Gas	Y						

Logging & Evaluation											
Wireline	Log Type	Top Depth	Bottom Depth	Max Temp	Logging Co.	Contact	Phone				
Mudlogs Interval	Start Depth	Stop Depth		Logging Co.	Geologist	Phone					
Coring	Top Depth	Bottom Depth	Fm	Comments							
Geosteering				Company	Contact	Phone					

Offset Wells					
Well Name	Location	Distance (ft)	Orig Operator	API	

Remarks



Aim Directional Services

Holly Fed Com 26 36 05 #113H

Scale 1":100' - MD

2/1/2020 3:23 AM

Oper. Company: Ameredev Operating, LLC

State: New Mexico

Well: Holly Fed Com 26 36 05 #113H

County: Lea County

Field: Delaware Basin

Country: USA

Rig: H&P 616

Location: Jal

Well ID: 30-025-46495

Start Date: 01/01/2020 09:15:00

Job Number: WT-19-169

End Date: 01/31/2020 03:28:00

Latitude: 32° 4' 44.207 N

Elev GL: 3001'

Longitude: 103° 17' 24.553 W

Elev DF: 3028'

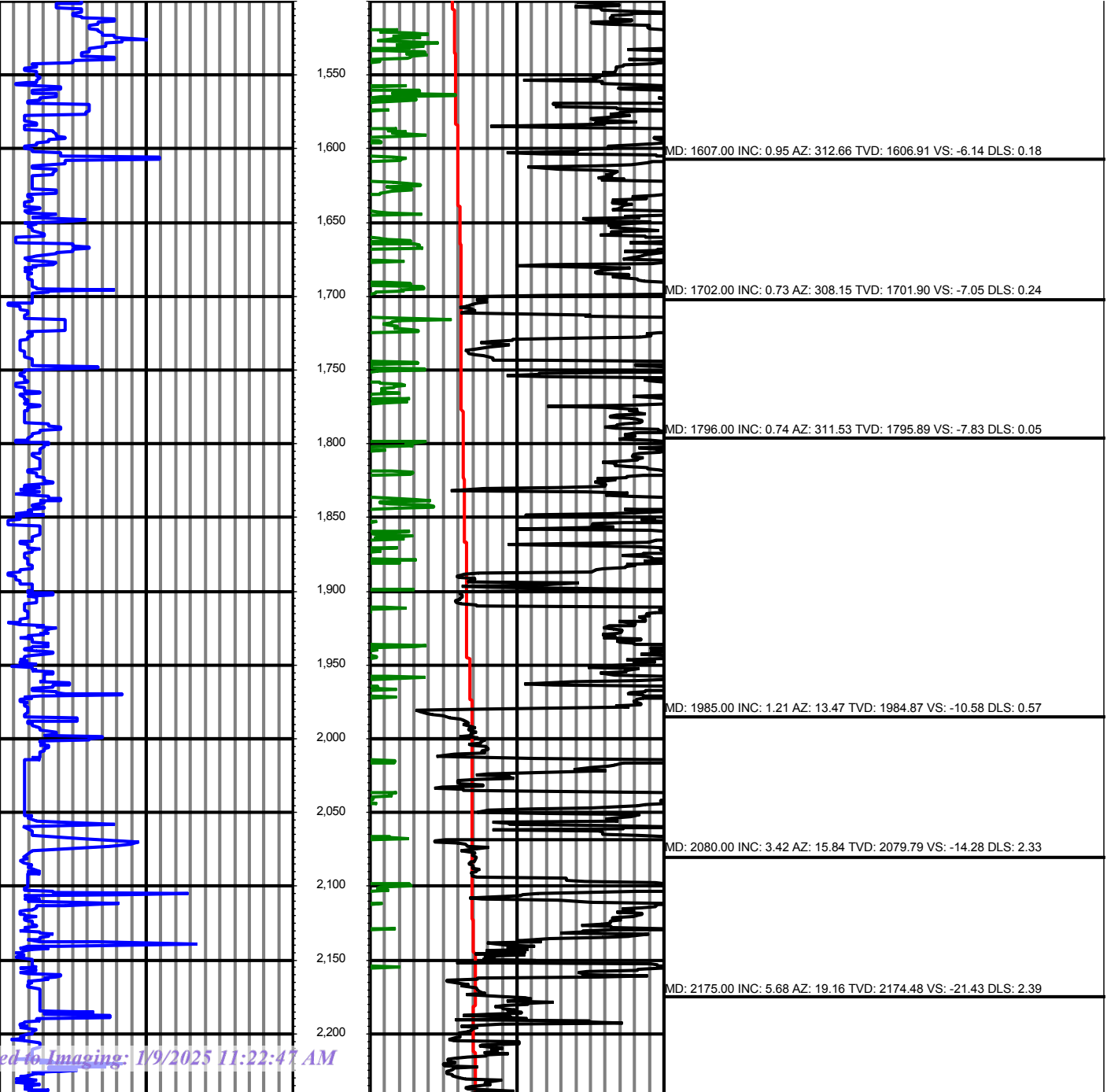
Elev KB: 3028'

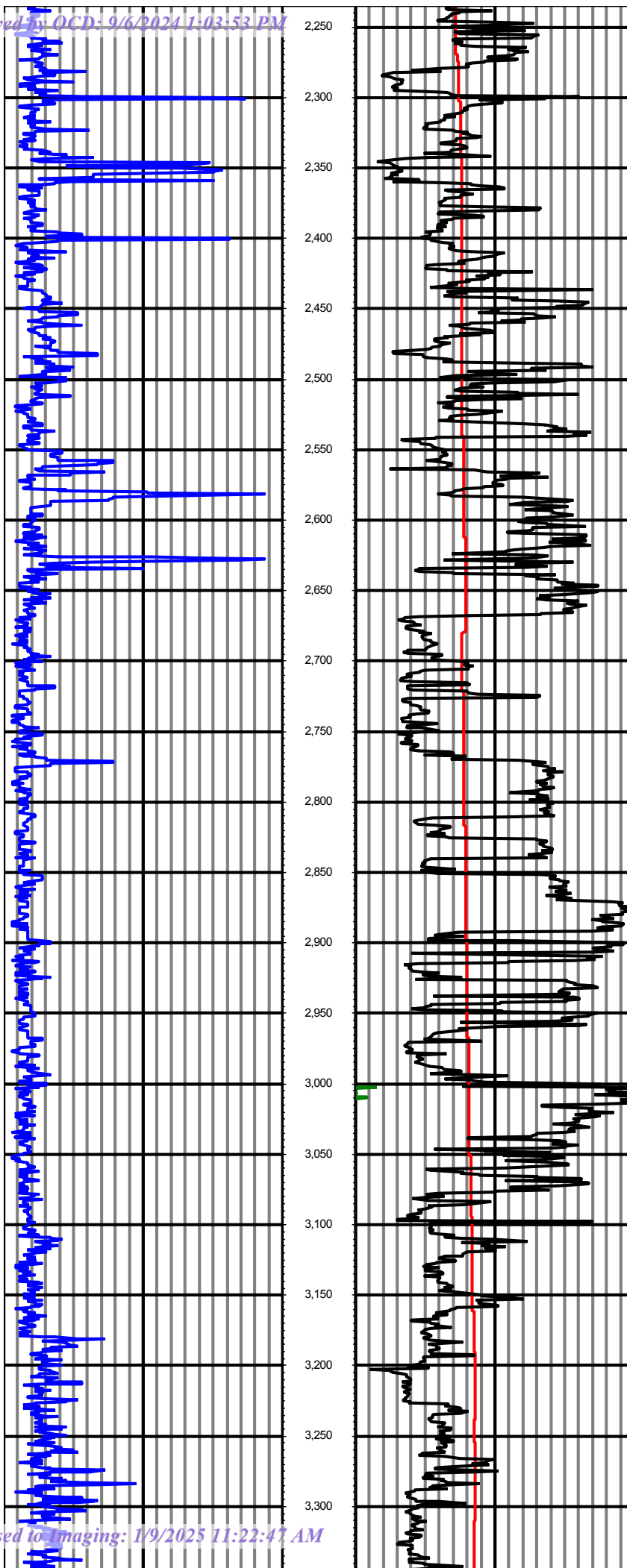
Operator 1: Jermaine Hunt

Operator 2: RTOC

Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	G-091	G-091	G-091	G-091	G-091
Bit Size	12.25	9.875	9.875	9.875	9.875
Cal Factor	8.402	8.402	8.402	8.402	8.402
Survey Offset	72.00	70.00	70.00	70.00	70.00
Gamma Offset	57.27	55.29	55.29	55.29	55.43
Resistivity Offset	0.00	0.00	0.00	0.00	0.00
Start Depth	1280.00	5225.00	8376.00	8983.00	9758.00
StartDate	1/1/2020	1/4/2020	1/6/2020	1/7/2020	1/9/2020
StartTime	09:15	04:40	16:00	22:00	08:40
EndDepth	5225.00	8376.00	8983.00	9758.00	11075.00
EndDate	1/3/2020	1/6/2020	1/7/2020	1/9/2020	1/11/2020
EndTime	10:30	10:30	21:30	06:30	03:40
Mud Type	WB	WB	WB	WB	WB
Mud Weight	8.9	8.8	9	8.85	9.2
Funnel Viscosity	105	111	116	119	86
Plastic Viscosity	30	29	29	28	26
Yield Point	26	24	23	24	24
Solids Content	14	13.2	13.3	13	13.5
Sand Content	Trc	Trc	Trc	Trc	Trc
Mud Alkalinity	1.15	1.3	1.3	1.3	1.4
Filtrate Alkalinity	0.2	0.2	0.22	0.22	0.2
Chlorides	188000	187000	186000	179000	185430
Temperature	134.6	141.8	138.20	143.6	152.6
Tool Run Data	Run #6	Run #7	Run #8	Run #9	Run #10
Tool S/N	G-106	G-106	G-027	G-027	G-027
Bit Size	6.75	6.75	6.75	6.75	6.75
Cal Factor	3.515	3.309	2.622	2.622	2.622
Survey Offset	61.00	64.00	64.00	64.00	64.00
Gamma Offset	46.65	49.25	48.92	49.29	49.13
Resistivity Offset	0.00	0.00	0.00	0.00	0.00
Start Depth	11075.00	13419.00	16914.00	20204.00	21597.00
StartDate	1/13/2020	1/16/2020	1/22/2020	1/26/2020	1/29/2020
StartTime	05:00	12:00	02:10	00:40	15:35
EndDepth	13419.00	16914.00	20204.00	21597.00	22329.00
EndDate	1/16/2020	1/22/2020	1/26/2020	1/29/2020	1/31/2020
EndTime	05:30	12:25	00:00	02:15	03:28
Mud Type	OBM	OBM	OBM	OBM	OBM
Mud Weight	10.85	11.3	11.4	11.45	12
Funnel Viscosity	54	56	62	63	62

Plastic Viscosity	14	14	16	18	21
Solids Content	16.5	18.25	19.5	19.65	19.8
Sand Content	Trc	Trc	Trc	Trc	Trc
Mud Alkalinity	4.7	4.7	5	6	5.5
Chlorides	48000	43000	52000	52000	44000
Temperature	176	206	210	215	208.4
Hole Data			Casing Data		
Size	From	To	Size	From	To
17.5	0.00	1896.00	13.375	0.00	1280.00
12.25	1896.00	5225.00	7.625	0.00	11075.00
9.875	5225.00	11075.00			
6.75	11075.00	22329.00			
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.					





MD: 2269.00 INC: 6.56 AZ: 24.23 TVD: 2267.95 VS: -30.70 DLS: 1.10

MD: 2364.00 INC: 6.38 AZ: 25.38 TVD: 2362.34 VS: -40.40 DLS: 0.23

MD: 2458.00 INC: 6.39 AZ: 25.51 TVD: 2455.76 VS: -49.81 DLS: 0.02

MD: 2553.00 INC: 6.89 AZ: 22.98 TVD: 2550.12 VS: -59.80 DLS: 0.61

MD: 2647.00 INC: 7.63 AZ: 20.36 TVD: 2643.37 VS: -70.82 DLS: 0.86

MD: 2742.00 INC: 6.93 AZ: 14.52 TVD: 2737.60 VS: -82.27 DLS: 1.07

MD: 2836.00 INC: 6.72 AZ: 8.56 TVD: 2830.94 VS: -93.18 DLS: 0.79

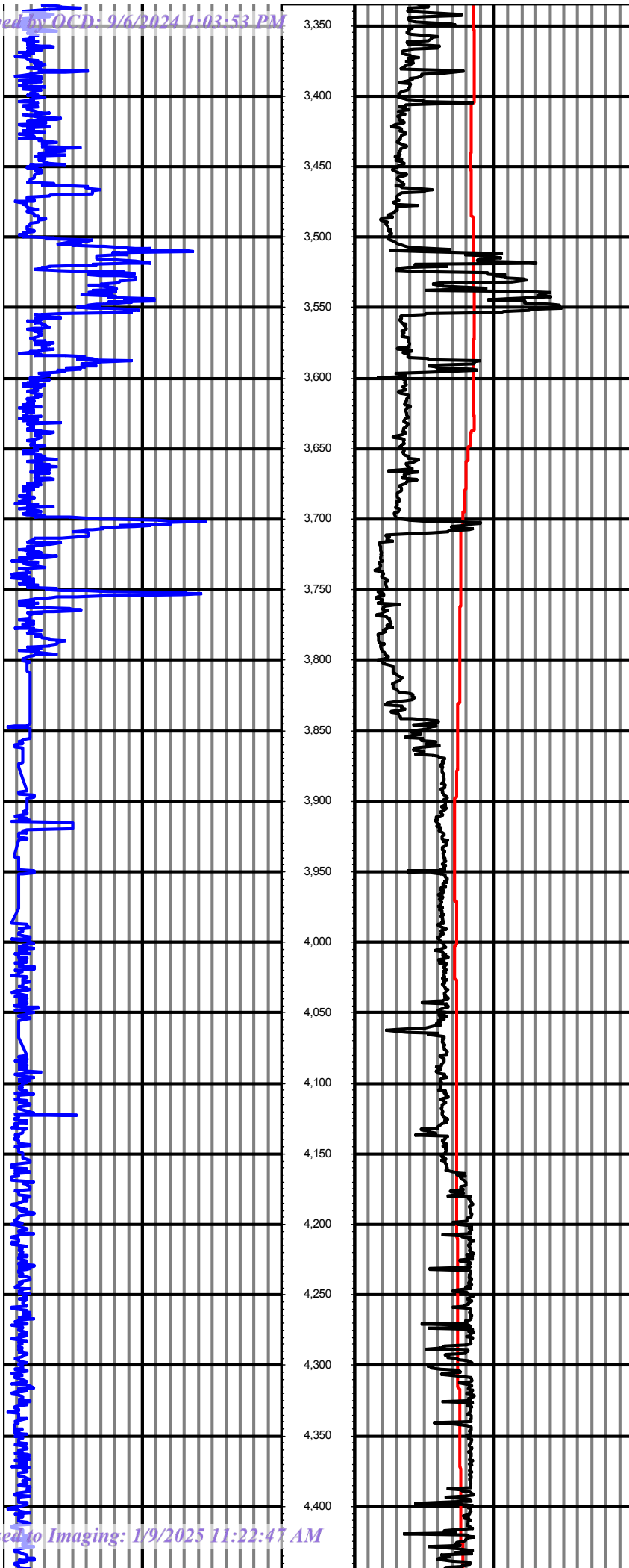
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MD: 3025.00 INC: 5.32 AZ: 14.59 TVD: 3018.89 VS: -112.46 DLS: 0.73

MD: 3120.00 INC: 4.85 AZ: 16.13 TVD: 3113.52 VS: -120.57 DLS: 0.52

MD: 3214.00 INC: 5.30 AZ: 16.77 TVD: 3207.15 VS: -128.53 DLS: 0.48

MD: 3309.00 INC: 6.32 AZ: 15.53 TVD: 3301.66 VS: -137.76 DLS: 1.08



MD: 3404.00 INC: 5.93 AZ: 16.03 TVD: 3396.12 VS: -147.50 DLS: 0.41

MD: 3498.00 INC: 6.36 AZ: 12.13 TVD: 3489.58 VS: -157.24 DLS: 0.64

MD: 3593.00 INC: 6.99 AZ: 6.92 TVD: 3583.94 VS: -168.12 DLS: 0.92

MD: 3782.00 INC: 6.41 AZ: 9.19 TVD: 3771.64 VS: -189.93 DLS: 0.34

MD: 3877.00 INC: 6.22 AZ: 9.43 TVD: 3866.07 VS: -200.23 DLS: 0.20

MD: 3971.00 INC: 5.95 AZ: 9.44 TVD: 3959.54 VS: -210.05 DLS: 0.29

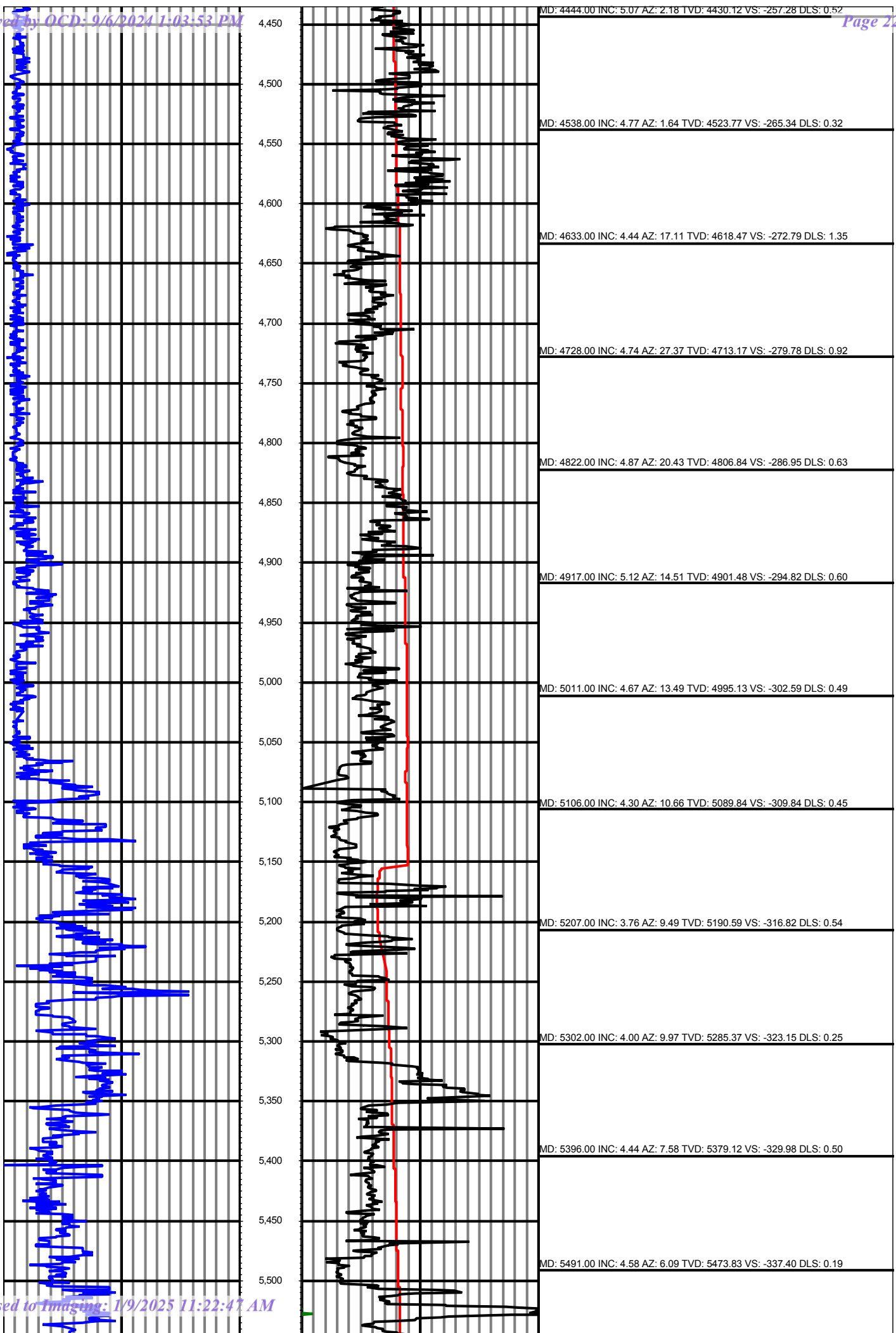
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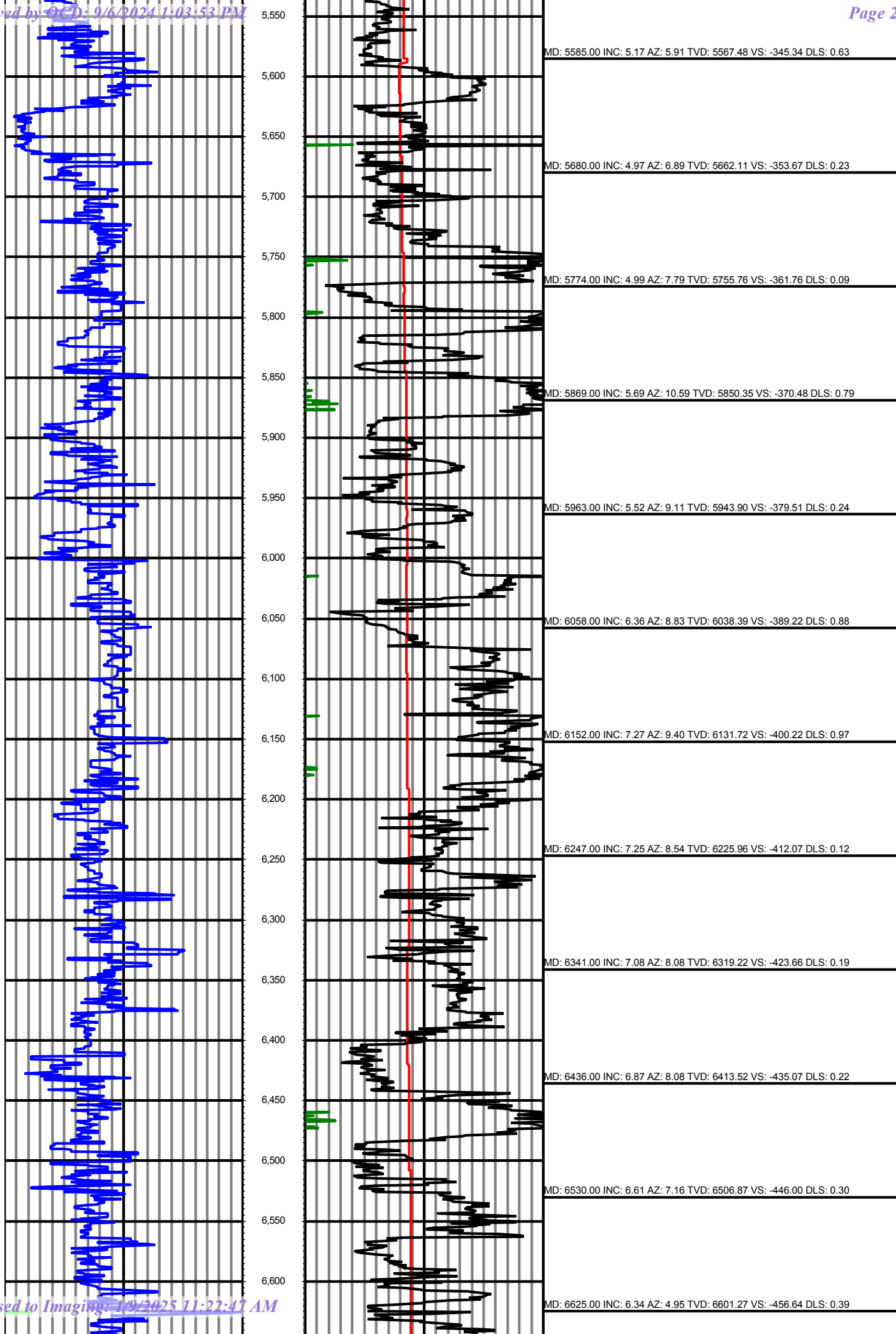
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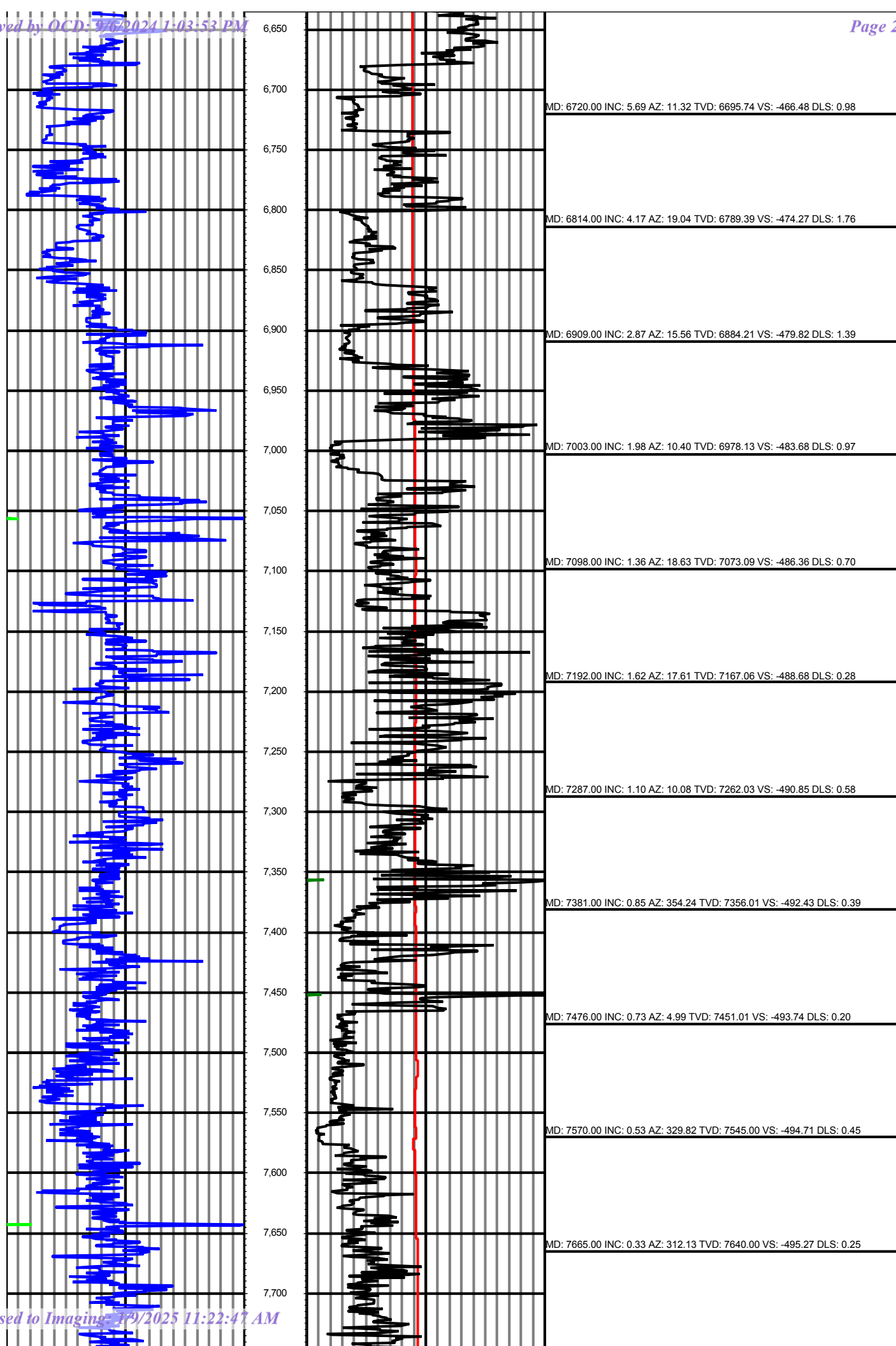
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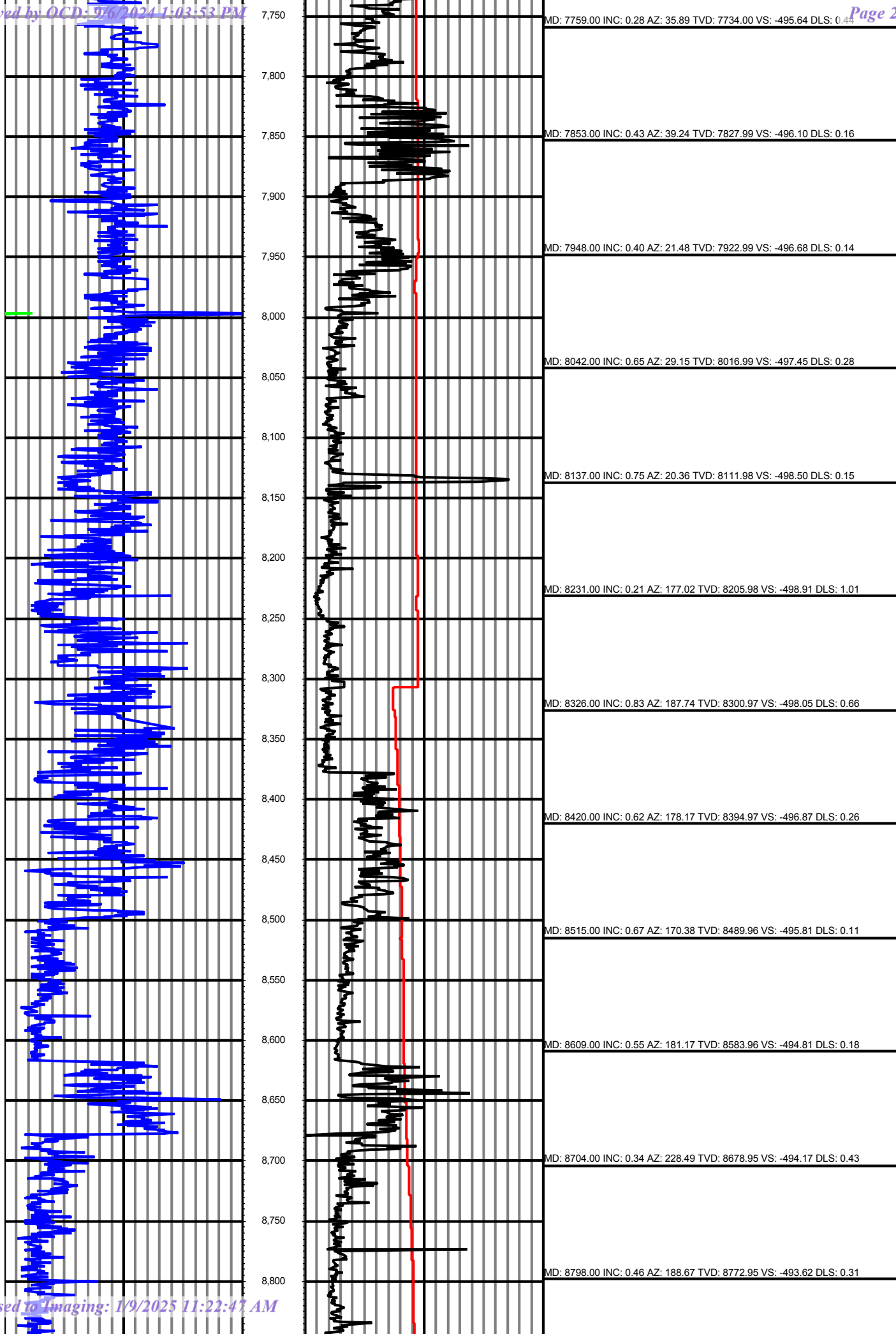
MD: 4349.00 INC: 5.49 AZ: 4.98 TVD: 4335.52 VS: -248.56 DLS: 0.34

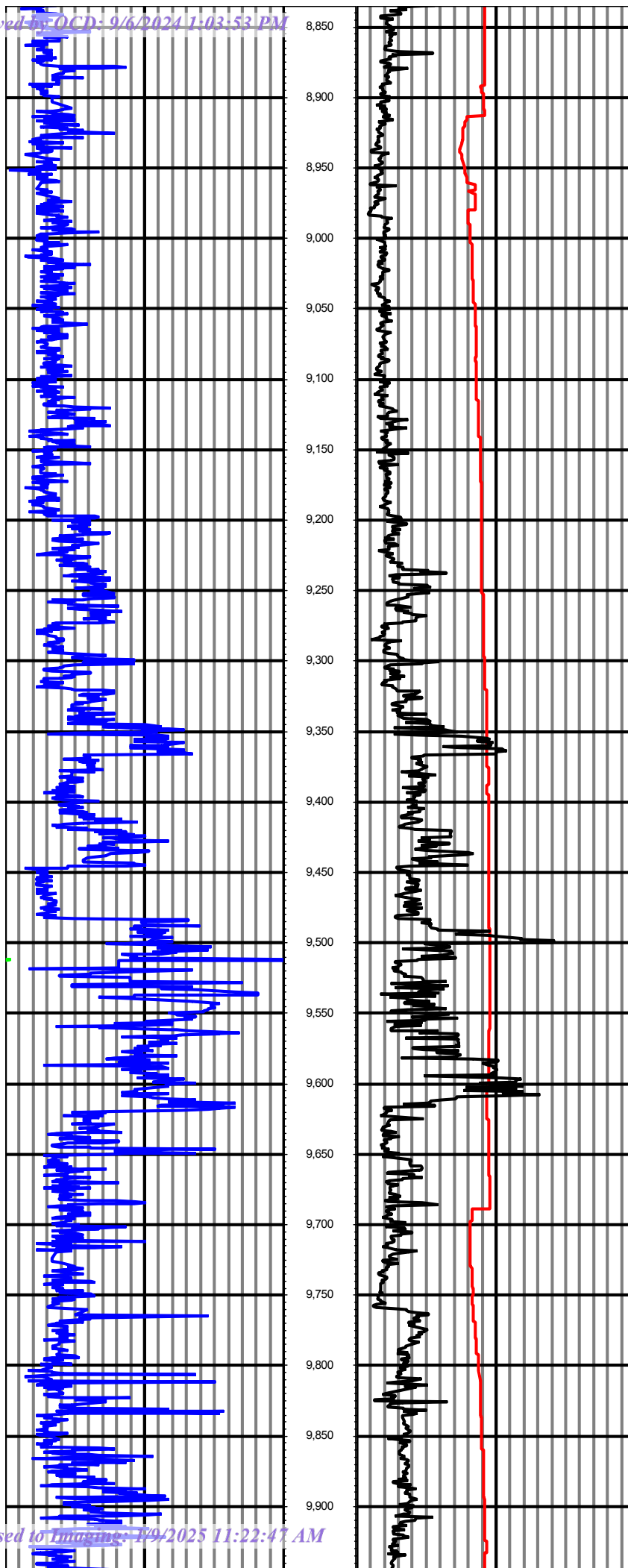
MD: 4444.00 INC: 5.07 AZ: 2.18 TVD: 4430.12 VS: -257.28 DLS: 0.52











MD: 8893.00 INC: 0.70 AZ: 221.73 TVD: 8867.95 VS: -492.81 DLS: 0.42

MD: 8987.00 INC: 1.36 AZ: 237.07 TVD: 8961.93 VS: -491.78 DLS: 0.75

MD: 9082.00 INC: 1.32 AZ: 237.19 TVD: 9056.90 VS: -490.58 DLS: 0.04

MD: 9176.00 INC: 1.21 AZ: 244.56 TVD: 9150.88 VS: -489.58 DLS: 0.21

MD: 9365.00 INC: 1.03 AZ: 269.49 TVD: 9339.85 VS: -488.73 DLS: 0.27

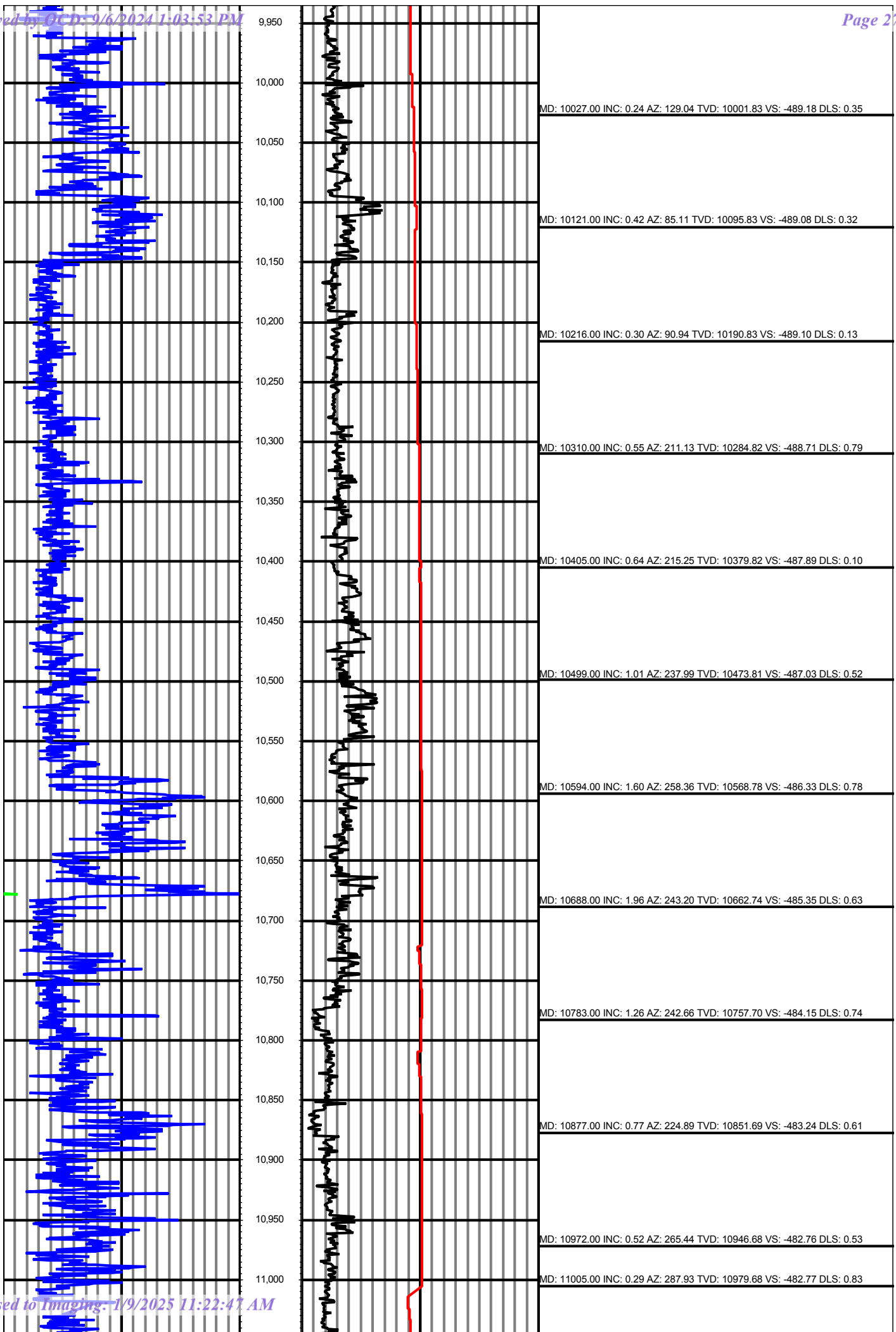
MD: 9460.00 INC: 0.70 AZ: 266.43 TVD: 9434.84 VS: -488.69 DLS: 0.35

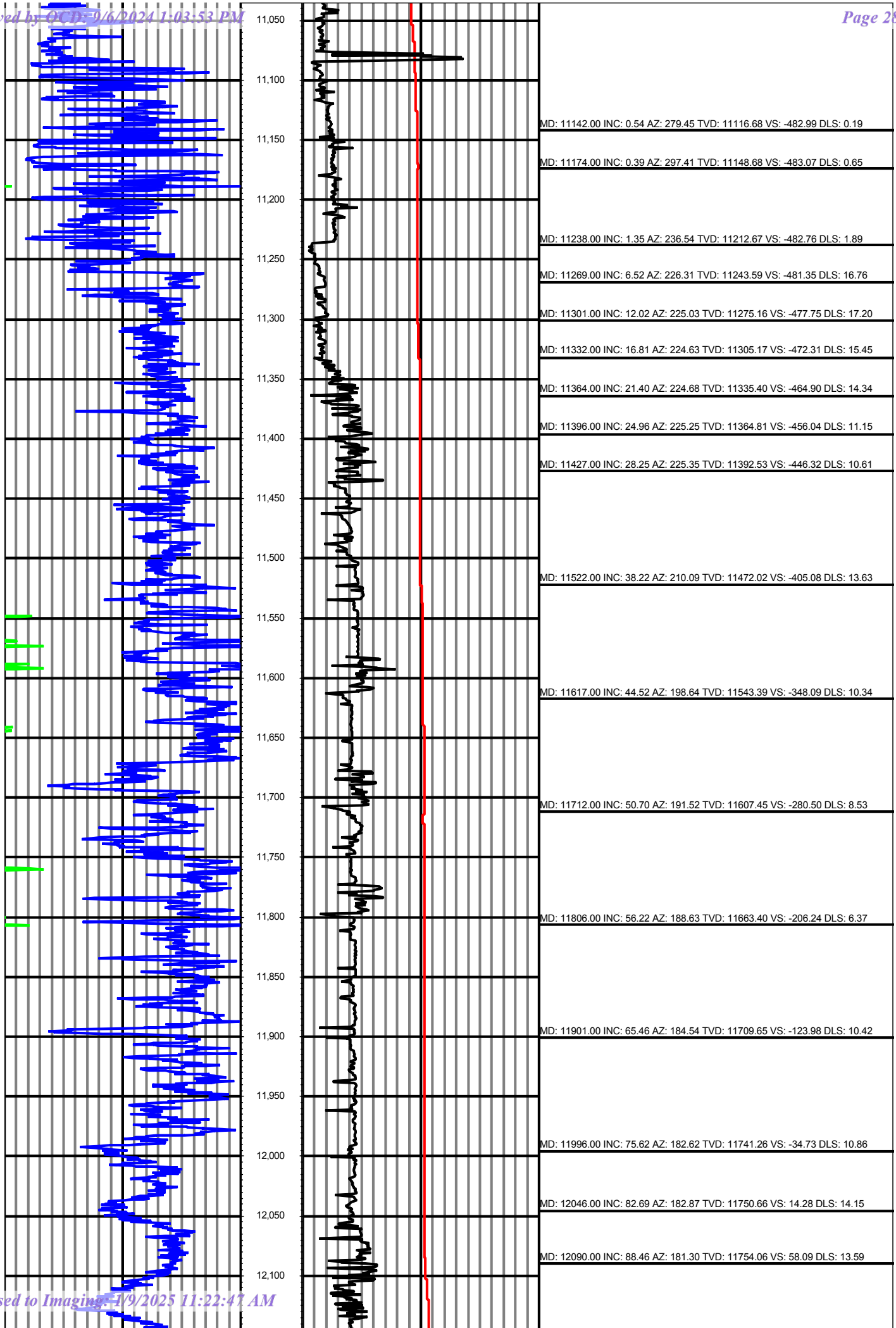
MD: 9554.00 INC: 0.07 AZ: 300.42 TVD: 9528.83 VS: -488.69 DLS: 0.68

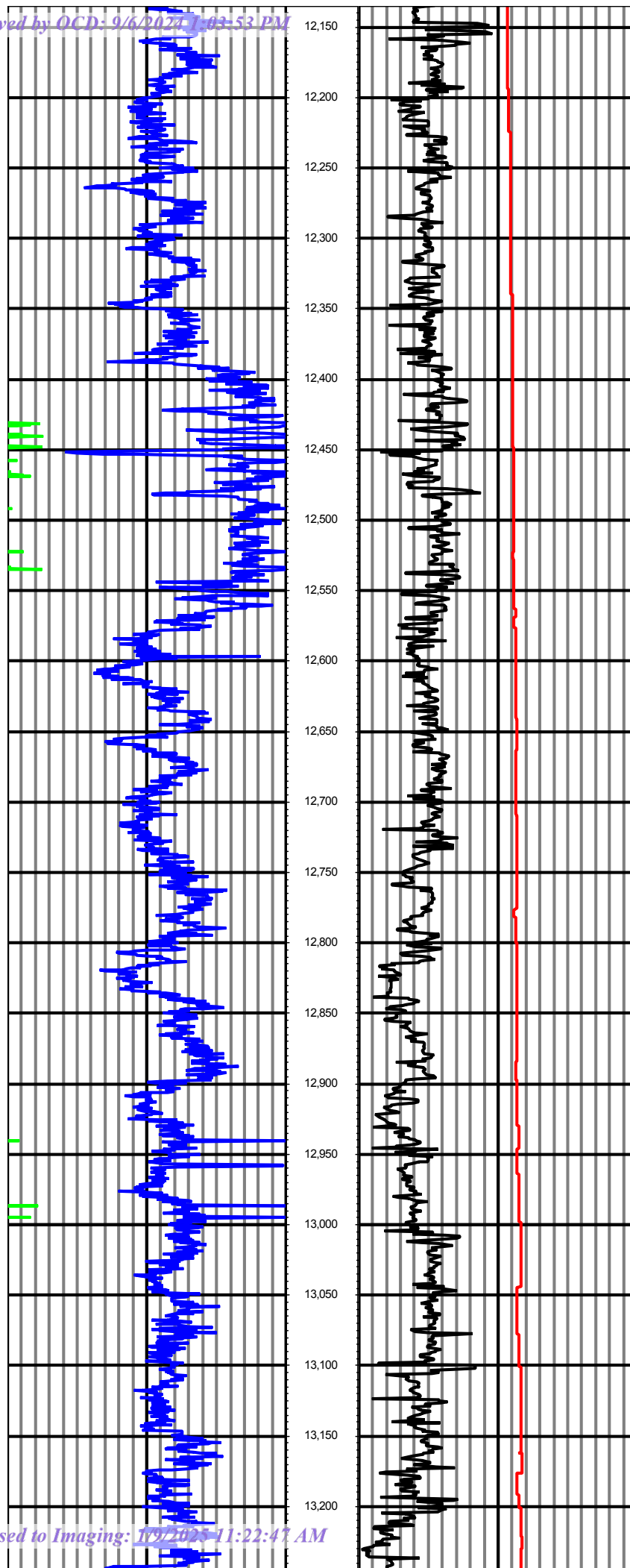
MD: 9649.00 INC: 0.43 AZ: 82.52 TVD: 9623.83 VS: -488.76 DLS: 0.51

MD: 9838.00 INC: 0.23 AZ: 46.51 TVD: 9812.83 VS: -489.11 DLS: 0.15

MD: 9932.00 INC: 0.09 AZ: 296.37 TVD: 9906.83 VS: -489.27 DLS: 0.29







MD: 12185.00 INC: 92.29 AZ: 174.58 TVD: 11753.43 VS: 152.97 DLS: 8.14

MD: 12280.00 INC: 89.29 AZ: 173.77 TVD: 11752.12 VS: 247.51 DLS: 3.27

MD: 12375.00 INC: 92.08 AZ: 177.34 TVD: 11750.99 VS: 342.23 DLS: 4.77

MD: 12470.00 INC: 88.98 AZ: 177.57 TVD: 11750.11 VS: 437.14 DLS: 3.27

MD: 12564.00 INC: 86.42 AZ: 179.40 TVD: 11753.88 VS: 531.03 DLS: 3.35

MD: 12659.00 INC: 85.12 AZ: 180.41 TVD: 11760.89 VS: 625.77 DLS: 1.73

MD: 12754.00 INC: 83.91 AZ: 179.27 TVD: 11769.97 VS: 720.33 DLS: 1.75

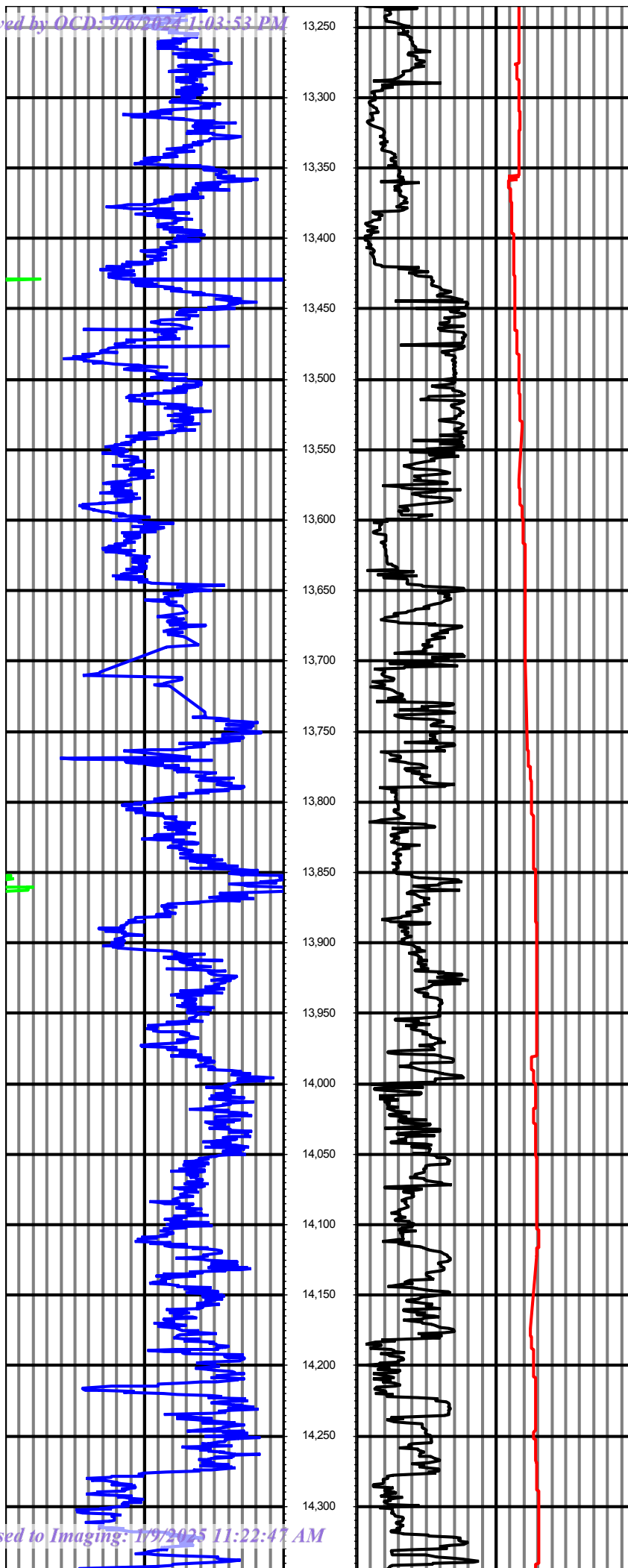
MD: 12848.00 INC: 85.00 AZ: 182.61 TVD: 11779.06 VS: 813.85 DLS: 3.72

MD: 12943.00 INC: 91.67 AZ: 183.15 TVD: 11781.81 VS: 908.61 DLS: 7.04

MD: 13038.00 INC: 87.81 AZ: 181.41 TVD: 11782.25 VS: 1003.49 DLS: 4.46

MD: 13132.00 INC: 88.42 AZ: 180.60 TVD: 11785.34 VS: 1097.42 DLS: 1.08

MD: 13227.00 INC: 86.79 AZ: 178.82 TVD: 11789.31 VS: 1192.33 DLS: 2.54



MD: 13322.00 INC: 88.85 AZ: 178.81 TVD: 11792.92 VS: 1287.24 DLS: 2.17

MD: 13410.00 INC: 95.31 AZ: 180.33 TVD: 11789.73 VS: 1375.13 DLS: 7.54

MD: 13442.00 INC: 95.36 AZ: 180.24 TVD: 11786.75 VS: 1406.99 DLS: 0.32

MD: 13536.00 INC: 96.30 AZ: 180.01 TVD: 11777.21 VS: 1500.50 DLS: 1.03

MD: 13631.00 INC: 94.00 AZ: 179.70 TVD: 11768.68 VS: 1595.11 DLS: 2.44

MD: 13726.00 INC: 93.84 AZ: 179.40 TVD: 11762.18 VS: 1689.89 DLS: 0.36

MD: 13821.00 INC: 92.67 AZ: 179.73 TVD: 11756.79 VS: 1784.74 DLS: 1.28

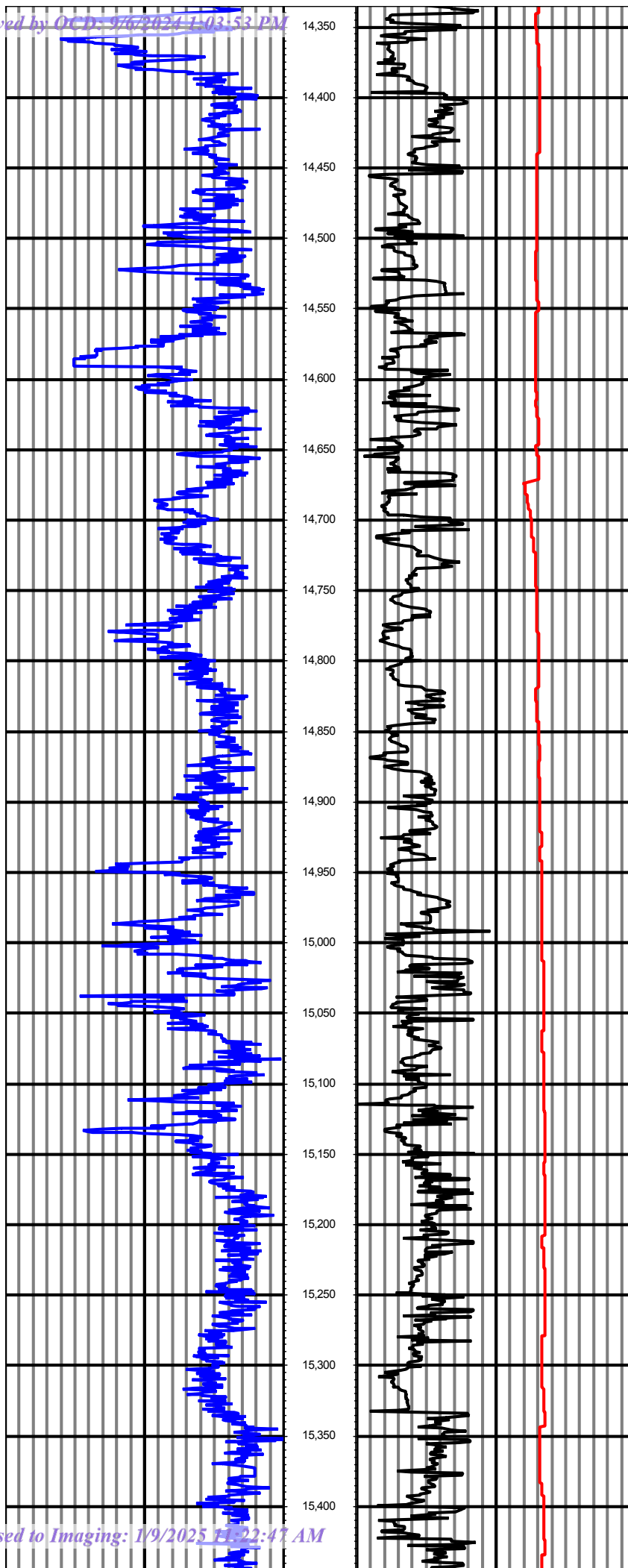
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MD: 14010.00 INC: 91.67 AZ: 178.65 TVD: 11749.49 VS: 1973.59 DLS: 1.49

MD: 14105.00 INC: 88.47 AZ: 176.95 TVD: 11749.37 VS: 2068.52 DLS: 3.81

MD: 14199.00 INC: 88.85 AZ: 175.82 TVD: 11751.57 VS: 2162.33 DLS: 1.27

MD: 14293.00 INC: 89.77 AZ: 175.39 TVD: 11752.70 VS: 2256.09 DLS: 1.08



MD: 14388.00 INC: 86.25 AZ: 178.34 TVD: 11756.00 VS: 2350.89 DLS: 4.83

MD: 14483.00 INC: 86.44 AZ: 179.16 TVD: 11762.06 VS: 2445.68 DLS: 0.88

MD: 14514.00 INC: 87.98 AZ: 179.86 TVD: 11763.57 VS: 2476.64 DLS: 5.46

MD: 14546.00 INC: 88.87 AZ: 180.29 TVD: 11764.45 VS: 2508.63 DLS: 3.09

MD: 14578.00 INC: 89.94 AZ: 180.52 TVD: 11764.78 VS: 2540.62 DLS: 3.42

MD: 14609.00 INC: 90.97 AZ: 180.76 TVD: 11764.53 VS: 2571.62 DLS: 3.41

MD: 14641.00 INC: 91.45 AZ: 180.82 TVD: 11763.86 VS: 2603.61 DLS: 1.51

MD: 14672.00 INC: 92.19 AZ: 180.72 TVD: 11762.87 VS: 2634.59 DLS: 2.41

MD: 14704.00 INC: 92.17 AZ: 180.95 TVD: 11761.66 VS: 2666.56 DLS: 0.72

MD: 14736.00 INC: 92.38 AZ: 181.09 TVD: 11760.39 VS: 2698.52 DLS: 0.79

MD: 14768.00 INC: 91.34 AZ: 180.65 TVD: 11759.35 VS: 2730.50 DLS: 3.53

MD: 14799.00 INC: 91.21 AZ: 180.59 TVD: 11758.66 VS: 2761.49 DLS: 0.46

MD: 14831.00 INC: 91.61 AZ: 180.90 TVD: 11757.87 VS: 2793.47 DLS: 1.58

MD: 14862.00 INC: 93.59 AZ: 180.83 TVD: 11756.46 VS: 2824.43 DLS: 6.39

MD: 14894.00 INC: 93.61 AZ: 180.40 TVD: 11754.45 VS: 2856.36 DLS: 1.34

MD: 14925.00 INC: 92.81 AZ: 179.89 TVD: 11752.72 VS: 2887.31 DLS: 3.06

MD: 14957.00 INC: 92.56 AZ: 179.91 TVD: 11751.22 VS: 2919.28 DLS: 0.78

MD: 14989.00 INC: 91.74 AZ: 179.82 TVD: 11750.02 VS: 2951.26 DLS: 2.58

MD: 15020.00 INC: 92.50 AZ: 180.01 TVD: 11748.87 VS: 2982.23 DLS: 2.53

MD: 15052.00 INC: 92.00 AZ: 179.82 TVD: 11747.62 VS: 3014.21 DLS: 1.67

MD: 15083.00 INC: 91.97 AZ: 180.08 TVD: 11746.54 VS: 3045.19 DLS: 0.84

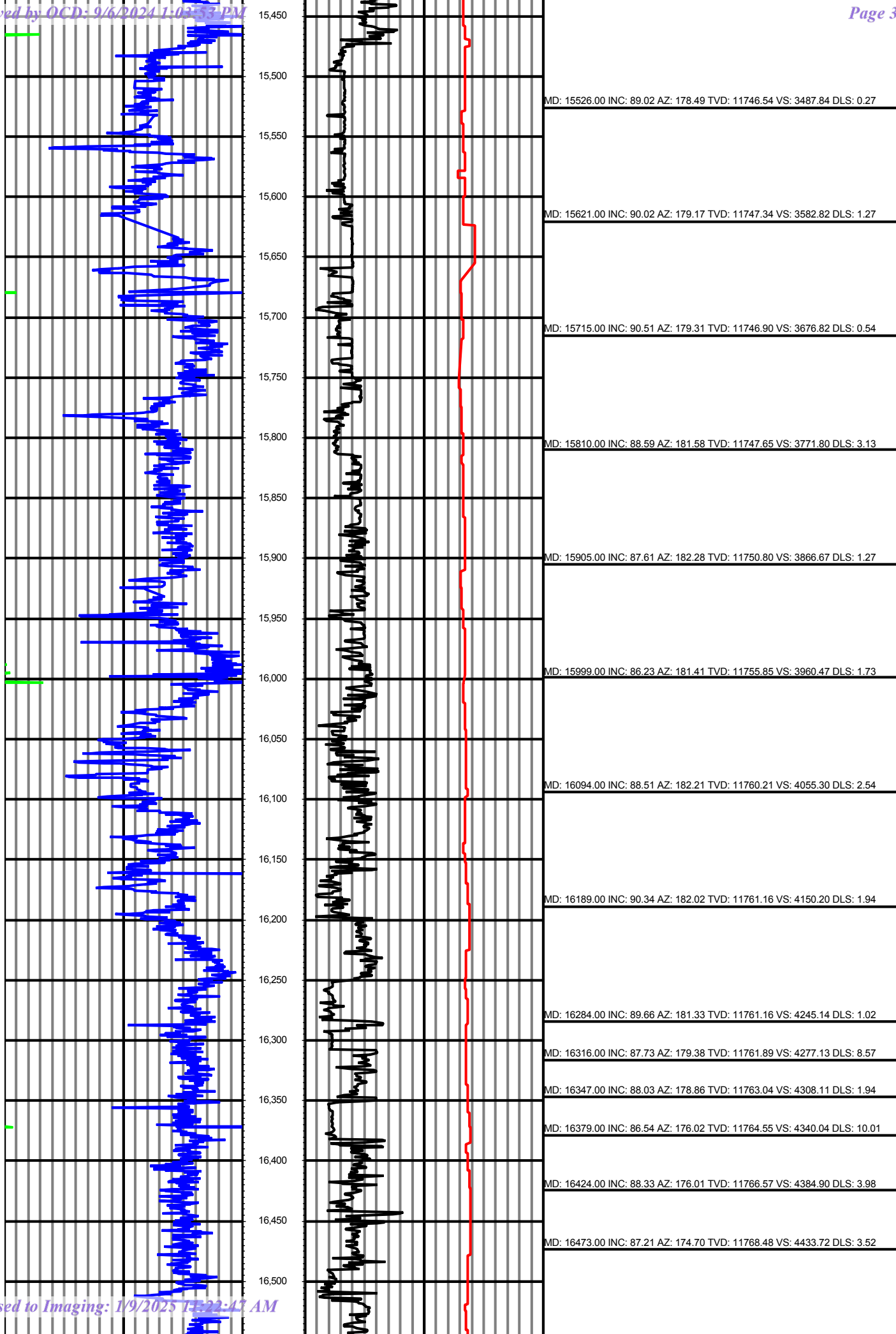
MD: 15146.00 INC: 90.82 AZ: 179.25 TVD: 11745.01 VS: 3108.17 DLS: 2.25

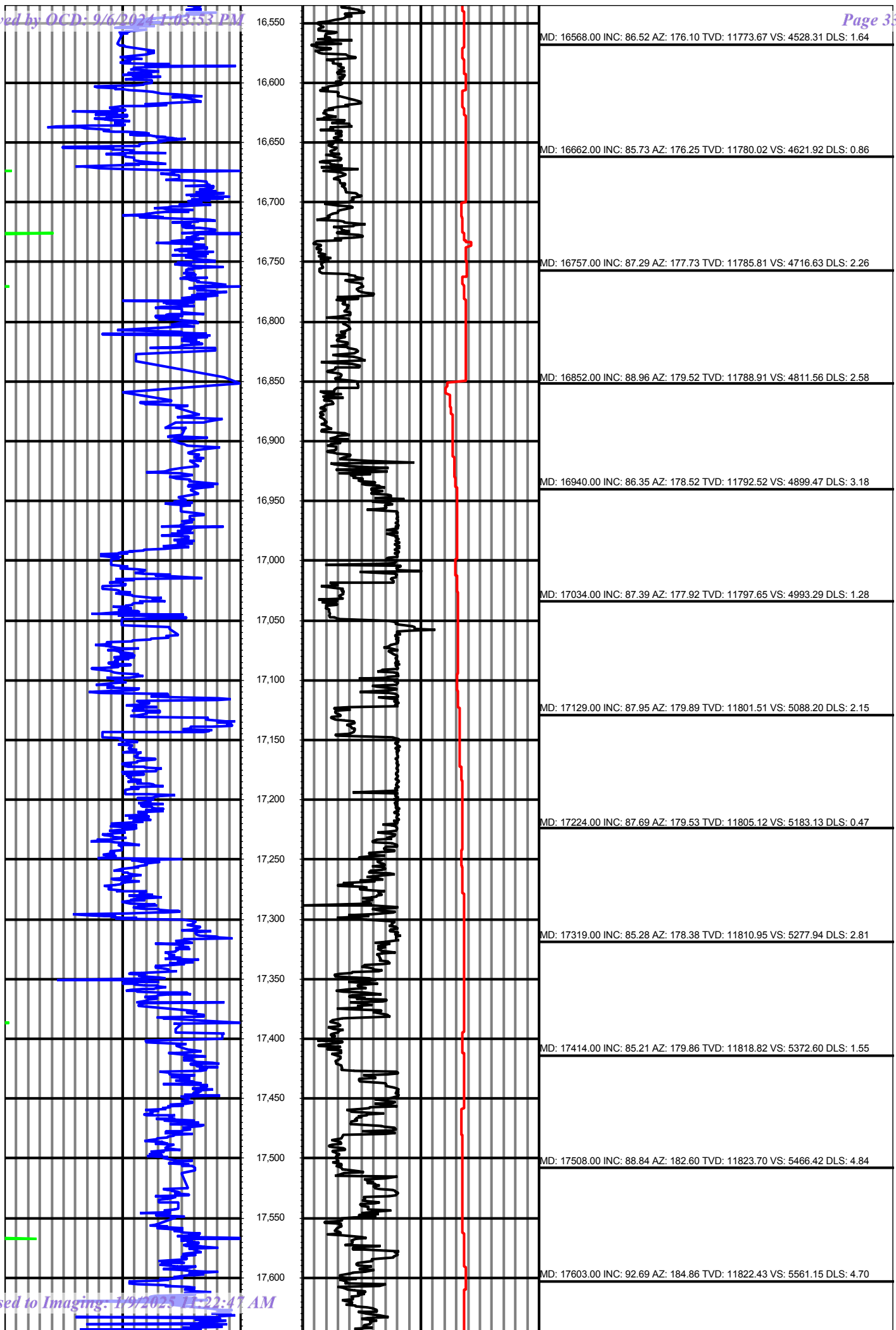
MD: 15191.00 INC: 90.67 AZ: 178.69 TVD: 11744.42 VS: 3153.16 DLS: 1.29

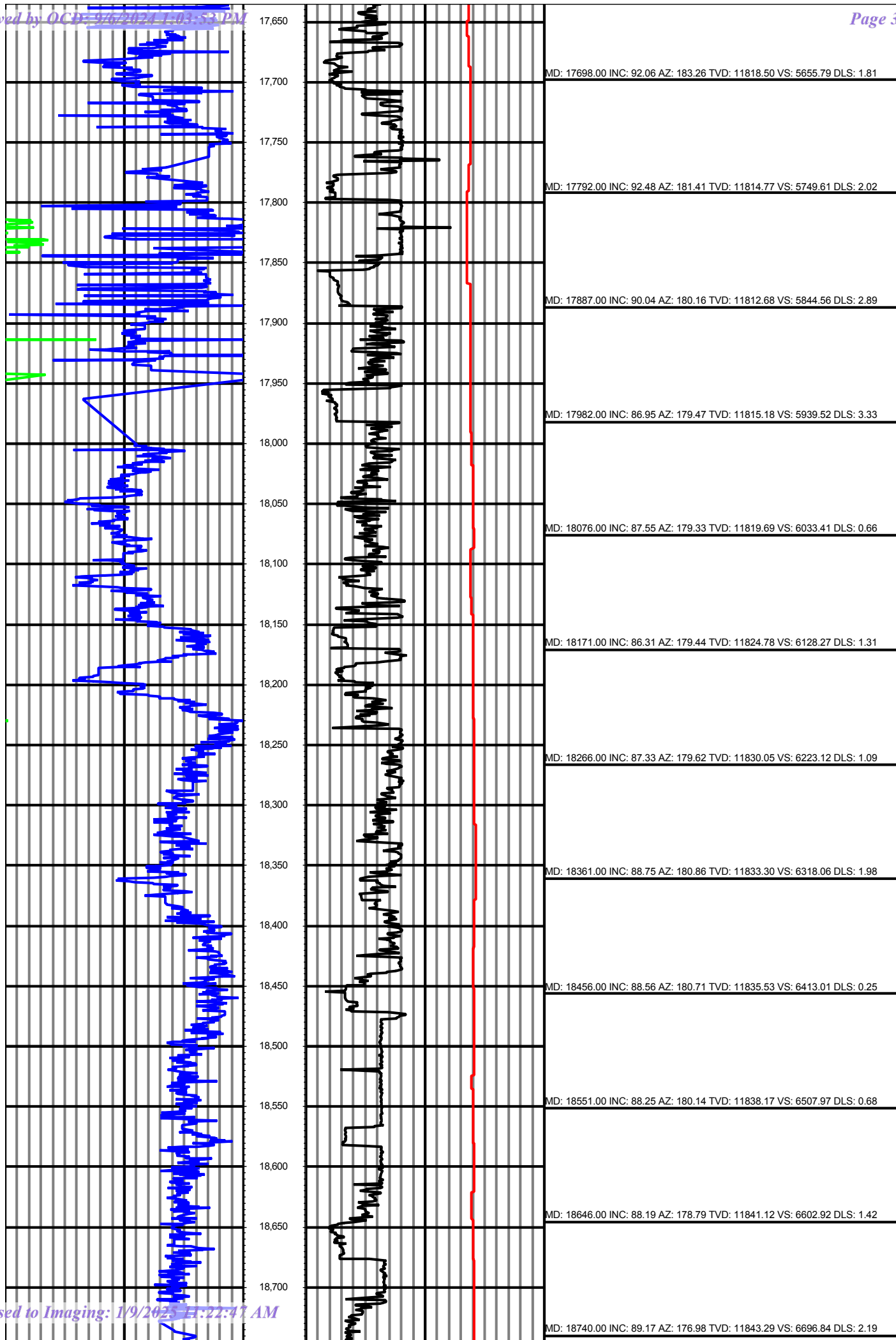
MD: 15241.00 INC: 88.12 AZ: 175.21 TVD: 11744.95 VS: 3203.09 DLS: 8.63

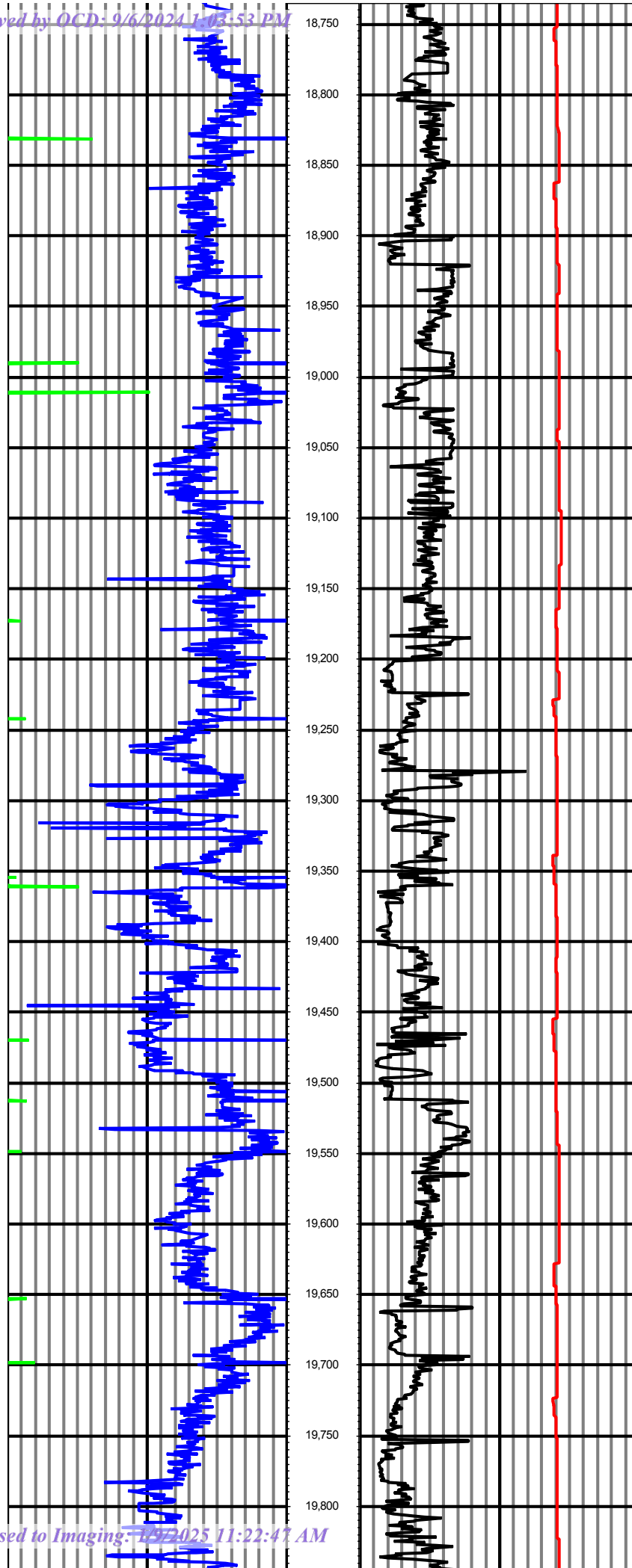
MD: 15336.00 INC: 91.22 AZ: 177.73 TVD: 11745.50 VS: 3297.92 DLS: 4.21

MD: 15431.00 INC: 89.25 AZ: 178.38 TVD: 11745.11 VS: 3392.87 DLS: 2.18

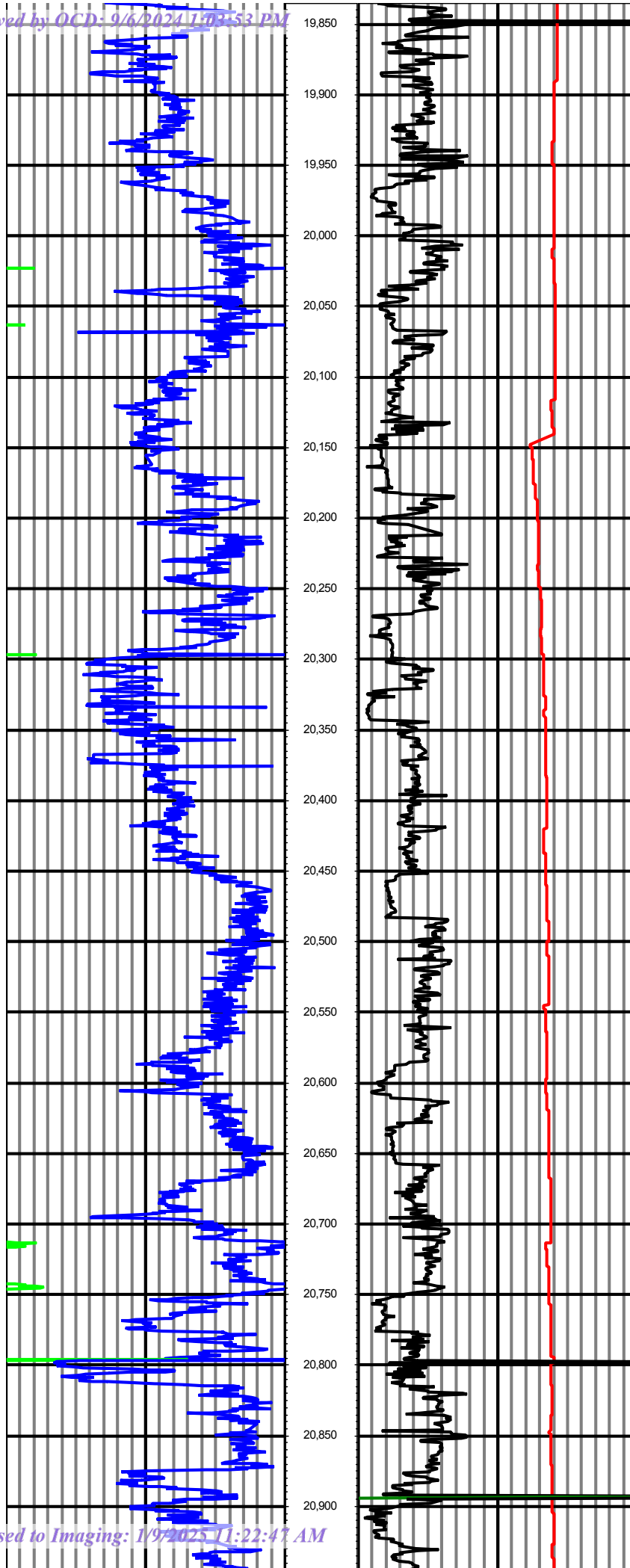








MD: 18835.00 INC: 87.62 AZ: 176.45 TVD: 11845.95 VS: 6791.67 DLS: 1.72
MD: 18930.00 INC: 88.40 AZ: 177.00 TVD: 11849.25 VS: 6886.49 DLS: 1.00
MD: 19025.00 INC: 88.87 AZ: 177.68 TVD: 11851.51 VS: 6981.38 DLS: 0.87
MD: 19120.00 INC: 86.97 AZ: 176.96 TVD: 11854.96 VS: 7076.23 DLS: 2.14
MD: 19215.00 INC: 88.77 AZ: 177.46 TVD: 11858.49 VS: 7171.07 DLS: 1.97
MD: 19310.00 INC: 89.04 AZ: 177.30 TVD: 11860.30 VS: 7265.97 DLS: 0.33
MD: 19405.00 INC: 89.73 AZ: 178.83 TVD: 11861.32 VS: 7360.93 DLS: 1.77
MD: 19499.00 INC: 89.77 AZ: 178.77 TVD: 11861.73 VS: 7454.91 DLS: 0.08
MD: 19594.00 INC: 89.25 AZ: 178.60 TVD: 11862.55 VS: 7549.90 DLS: 0.58
MD: 19689.00 INC: 88.53 AZ: 178.59 TVD: 11864.39 VS: 7644.86 DLS: 0.76
MD: 19784.00 INC: 89.69 AZ: 180.43 TVD: 11865.86 VS: 7739.84 DLS: 2.29



MD: 19879.00 INC: 88.66 AZ: 179.53 TVD: 11867.23 VS: 7834.83 DLS: 1.44

MD: 19973.00 INC: 89.06 AZ: 179.27 TVD: 11869.10 VS: 7928.81 DLS: 0.51

MD: 20067.00 INC: 88.54 AZ: 181.00 TVD: 11871.07 VS: 8022.78 DLS: 1.92

MD: 20164.00 INC: 84.00 AZ: 181.17 TVD: 11877.38 VS: 8119.52 DLS: 4.68

MD: 20259.00 INC: 83.30 AZ: 181.69 TVD: 11887.88 VS: 8213.90 DLS: 0.92

MD: 20353.00 INC: 86.33 AZ: 180.50 TVD: 11896.38 VS: 8307.47 DLS: 3.46

MD: 20448.00 INC: 86.08 AZ: 180.60 TVD: 11902.67 VS: 8402.25 DLS: 0.28

MD: 20493.00 INC: 87.02 AZ: 178.49 TVD: 11905.38 VS: 8447.17 DLS: 5.13

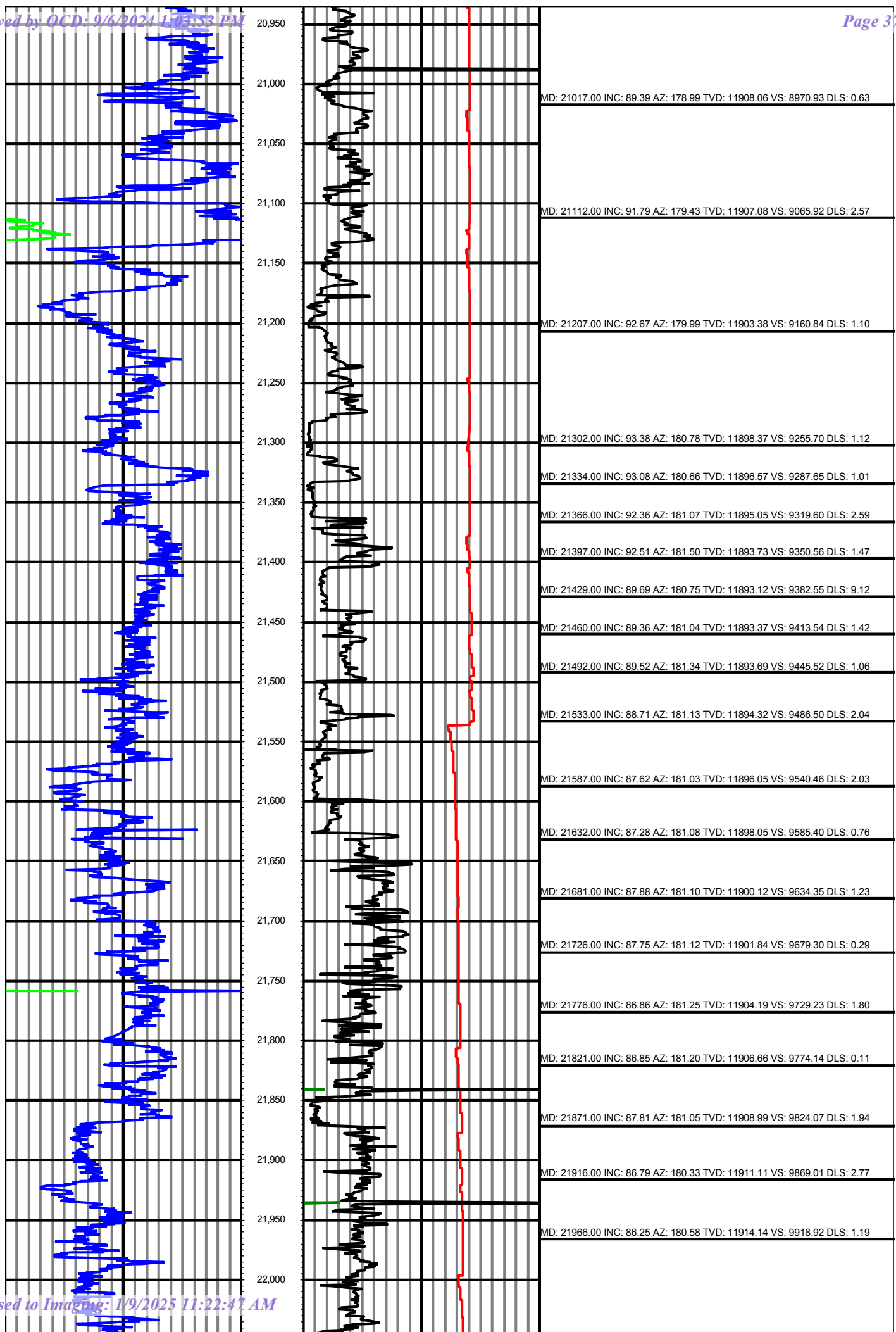
MD: 20543.00 INC: 86.98 AZ: 178.75 TVD: 11907.99 VS: 8497.09 DLS: 0.53

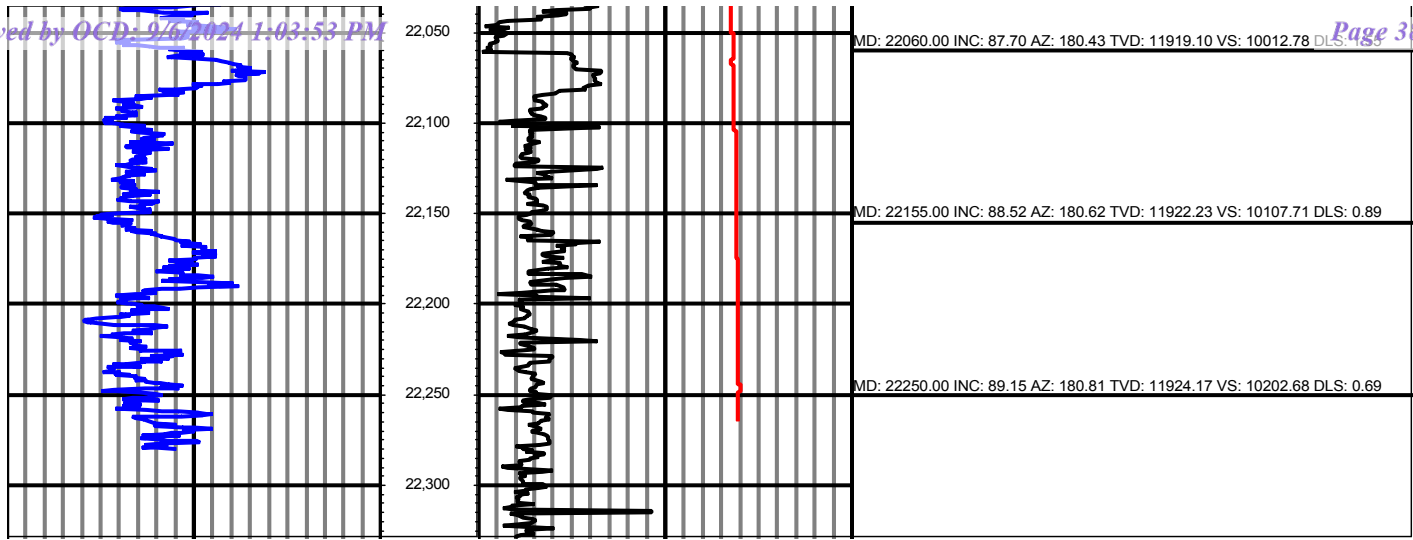
MD: 20638.00 INC: 90.79 AZ: 179.49 TVD: 11909.84 VS: 8592.05 DLS: 4.09

MD: 20733.00 INC: 91.67 AZ: 178.14 TVD: 11907.80 VS: 8687.01 DLS: 1.70

MD: 20827.00 INC: 89.39 AZ: 178.22 TVD: 11906.93 VS: 8780.97 DLS: 2.43

MD: 20922.00 INC: 89.93 AZ: 178.74 TVD: 11907.50 VS: 8875.94 DLS: 0.79







Ameredev Operating, LLC.

RB/HOL

RB/HOL #4S

Holly 113H

Final Survey

Design: Final Survey

Lease Penetration Section Line Foot

21 July, 2021



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Project	RB/HOL		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		RB/HOL #4S			
Site Position:		Northing:	394,020.12 usft	Latitude:	32° 4' 44.207 N
From:	Lat/Long	Easting:	864,441.19 usft	Longitude:	103° 17' 24.553 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.55 °

Well	Holly 113H					
Well Position	+N/-S	0.0 usft	Northing:	394,020.31 usft	Latitude:	32° 4' 44.207 N
	+E/-W	0.0 usft	Easting:	864,461.20 usft	Longitude:	103° 17' 24.321 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,001.0 usft

Wellbore	Final Survey				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2021	6.37	59.92	47,468.53621929

Design	Final Survey				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.81	

Survey Program	Date	7/3/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
120.0	22,329.0	Holly 113H Final Survey (Final Survey)	MWD	OWSG MWD - Standard	

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude	
0.0	0.00	0.00	0.0	-229.8	1,730.0	32° 4' 44.207 N	103° 17' 24.321 W	
100.0	0.75	141.00	100.0	-230.3	1,730.4	32° 4' 44.202 N	103° 17' 24.316 W	
200.0	0.52	100.87	200.0	-231.1	1,731.4	32° 4' 44.194 N	103° 17' 24.305 W	
300.0	0.30	1.80	300.0	-230.9	1,731.9	32° 4' 44.196 N	103° 17' 24.299 W	
400.0	0.74	321.54	400.0	-230.0	1,731.4	32° 4' 44.205 N	103° 17' 24.305 W	
500.0	0.15	355.31	500.0	-229.4	1,731.0	32° 4' 44.211 N	103° 17' 24.310 W	
600.0	0.26	184.53	600.0	-229.5	1,731.0	32° 4' 44.210 N	103° 17' 24.309 W	
700.0	0.20	137.35	700.0	-229.9	1,731.1	32° 4' 44.206 N	103° 17' 24.308 W	
800.0	0.30	81.00	800.0	-230.0	1,731.5	32° 4' 44.205 N	103° 17' 24.304 W	
900.0	0.59	270.01	900.0	-229.9	1,731.2	32° 4' 44.206 N	103° 17' 24.307 W	
1,000.0	0.32	270.52	1,000.0	-229.9	1,730.4	32° 4' 44.206 N	103° 17' 24.317 W	
1,100.0	0.14	329.82	1,100.0	-229.9	1,730.0	32° 4' 44.206 N	103° 17' 24.320 W	



Ameredev Operating, LLC
Lease Penetration Section Line Footages

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Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
1,200.0	0.67	1.14	1,200.0	-229.1	1,730.1	32° 4' 44.214 N	103° 17' 24.320 W
1,300.0	0.68	335.64	1,300.0	-228.0	1,729.8	32° 4' 44.224 N	103° 17' 24.323 W
1,400.0	1.12	326.59	1,399.9	-226.7	1,729.0	32° 4' 44.238 N	103° 17' 24.332 W
1,500.0	1.08	320.76	1,499.9	-225.1	1,727.9	32° 4' 44.254 N	103° 17' 24.345 W
1,600.0	0.96	313.26	1,599.9	-223.8	1,726.7	32° 4' 44.267 N	103° 17' 24.359 W
1,700.0	0.73	308.27	1,699.9	-222.8	1,725.5	32° 4' 44.277 N	103° 17' 24.372 W
1,800.0	0.74	313.29	1,799.9	-222.0	1,724.6	32° 4' 44.285 N	103° 17' 24.383 W
1,900.0	0.87	353.82	1,899.9	-220.8	1,724.0	32° 4' 44.297 N	103° 17' 24.390 W
2,000.0	1.56	14.29	1,999.9	-218.9	1,724.2	32° 4' 44.315 N	103° 17' 24.387 W
2,100.0	3.89	16.86	2,099.7	-214.3	1,725.5	32° 4' 44.361 N	103° 17' 24.371 W
2,200.0	5.91	20.65	2,199.4	-206.0	1,728.3	32° 4' 44.443 N	103° 17' 24.338 W
2,300.0	6.50	24.60	2,298.7	-195.9	1,732.7	32° 4' 44.542 N	103° 17' 24.286 W
2,400.0	6.38	25.43	2,398.1	-185.8	1,737.4	32° 4' 44.642 N	103° 17' 24.230 W
2,500.0	6.61	24.34	2,497.5	-175.6	1,742.2	32° 4' 44.742 N	103° 17' 24.173 W
2,600.0	7.26	21.60	2,596.8	-164.6	1,746.9	32° 4' 44.851 N	103° 17' 24.117 W
2,700.0	7.23	17.24	2,695.9	-152.4	1,751.3	32° 4' 44.971 N	103° 17' 24.065 W
2,800.0	6.79	10.89	2,795.2	-140.7	1,754.2	32° 4' 45.087 N	103° 17' 24.030 W
2,900.0	6.23	12.01	2,894.5	-129.4	1,756.2	32° 4' 45.198 N	103° 17' 24.005 W
3,000.0	5.50	14.38	2,994.0	-119.5	1,758.6	32° 4' 45.296 N	103° 17' 23.976 W
3,100.0	4.95	15.78	3,093.6	-110.7	1,761.0	32° 4' 45.382 N	103° 17' 23.948 W
3,200.0	5.23	16.68	3,193.2	-102.3	1,763.4	32° 4' 45.465 N	103° 17' 23.918 W
3,300.0	6.22	15.63	3,292.7	-92.8	1,766.2	32° 4' 45.559 N	103° 17' 23.885 W
3,400.0	5.95	16.01	3,392.1	-82.5	1,769.1	32° 4' 45.661 N	103° 17' 23.850 W
3,500.0	6.37	12.01	3,491.6	-72.1	1,771.7	32° 4' 45.763 N	103° 17' 23.819 W
3,600.0	6.97	7.00	3,590.9	-60.6	1,773.6	32° 4' 45.877 N	103° 17' 23.796 W
3,700.0	6.66	8.16	3,690.2	-48.9	1,775.1	32° 4' 45.993 N	103° 17' 23.776 W
3,800.0	6.37	9.23	3,789.5	-37.7	1,776.8	32° 4' 46.104 N	103° 17' 23.755 W
3,900.0	6.15	9.43	3,888.9	-26.9	1,778.6	32° 4' 46.210 N	103° 17' 23.733 W
4,000.0	5.97	9.74	3,988.4	-16.5	1,780.4	32° 4' 46.313 N	103° 17' 23.712 W
4,100.0	6.06	10.19	4,087.8	-6.2	1,782.2	32° 4' 46.414 N	103° 17' 23.689 W
4,200.0	5.99	7.97	4,187.3	4.2	1,784.0	32° 4' 46.517 N	103° 17' 23.668 W
4,300.0	5.66	5.15	4,286.8	14.3	1,785.0	32° 4' 46.617 N	103° 17' 23.654 W
4,400.0	5.26	3.53	4,386.3	23.8	1,785.8	32° 4' 46.711 N	103° 17' 23.644 W
4,500.0	4.89	1.87	4,485.9	32.6	1,786.2	32° 4' 46.798 N	103° 17' 23.639 W
4,600.0	4.52	11.49	4,585.6	40.8	1,786.8	32° 4' 46.879 N	103° 17' 23.630 W
4,700.0	4.64	24.49	4,685.3	48.2	1,789.3	32° 4' 46.952 N	103° 17' 23.600 W
4,800.0	4.83	22.02	4,784.9	55.7	1,792.8	32° 4' 47.026 N	103° 17' 23.558 W
4,900.0	5.07	15.53	4,884.5	63.9	1,795.6	32° 4' 47.107 N	103° 17' 23.525 W
5,000.0	4.72	13.62	4,984.2	72.3	1,797.7	32° 4' 47.189 N	103° 17' 23.500 W
5,100.0	4.32	10.85	5,083.9	80.0	1,799.4	32° 4' 47.265 N	103° 17' 23.479 W
5,200.0	3.80	9.58	5,183.6	86.9	1,800.7	32° 4' 47.334 N	103° 17' 23.464 W
5,300.0	3.99	9.96	5,283.4	93.6	1,801.8	32° 4' 47.400 N	103° 17' 23.450 W
5,400.0	4.45	7.52	5,383.1	100.9	1,802.9	32° 4' 47.472 N	103° 17' 23.436 W
5,500.0	4.64	6.07	5,482.8	108.7	1,803.8	32° 4' 47.549 N	103° 17' 23.425 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

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Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
5,600.0	5.14	6.06	5,582.4	117.3	1,804.7	32° 4' 47.634 N	103° 17' 23.413 W
5,700.0	4.97	7.08	5,682.0	126.0	1,805.7	32° 4' 47.720 N	103° 17' 23.401 W
5,800.0	5.18	8.63	5,781.7	134.6	1,806.9	32° 4' 47.806 N	103° 17' 23.386 W
5,900.0	5.63	10.11	5,881.2	144.1	1,808.6	32° 4' 47.899 N	103° 17' 23.366 W
6,000.0	5.85	8.99	5,980.7	153.7	1,810.2	32° 4' 47.994 N	103° 17' 23.346 W
6,100.0	6.77	9.10	6,080.1	164.6	1,811.9	32° 4' 48.102 N	103° 17' 23.325 W
6,200.0	7.26	8.97	6,179.3	176.8	1,813.8	32° 4' 48.223 N	103° 17' 23.301 W
6,300.0	7.15	8.28	6,278.5	189.3	1,815.7	32° 4' 48.346 N	103° 17' 23.278 W
6,400.0	6.95	8.08	6,377.8	201.4	1,817.5	32° 4' 48.466 N	103° 17' 23.256 W
6,500.0	6.69	7.46	6,477.1	213.2	1,819.1	32° 4' 48.582 N	103° 17' 23.236 W
6,600.0	6.41	5.55	6,576.4	224.6	1,820.4	32° 4' 48.694 N	103° 17' 23.219 W
6,700.0	5.82	9.86	6,675.8	235.2	1,821.7	32° 4' 48.799 N	103° 17' 23.203 W
6,800.0	4.39	17.55	6,775.4	244.0	1,823.7	32° 4' 48.886 N	103° 17' 23.178 W
6,900.0	2.99	16.02	6,875.2	250.1	1,825.7	32° 4' 48.946 N	103° 17' 23.155 W
7,000.0	2.01	10.64	6,975.1	254.3	1,826.7	32° 4' 48.988 N	103° 17' 23.142 W
7,100.0	1.37	18.60	7,075.1	257.1	1,827.4	32° 4' 49.016 N	103° 17' 23.134 W
7,200.0	1.58	17.17	7,175.1	259.6	1,828.2	32° 4' 49.040 N	103° 17' 23.124 W
7,300.0	1.06	8.35	7,275.0	261.8	1,828.8	32° 4' 49.062 N	103° 17' 23.118 W
7,400.0	0.82	356.13	7,375.0	263.4	1,828.8	32° 4' 49.078 N	103° 17' 23.117 W
7,500.0	0.66	358.20	7,475.0	264.7	1,828.8	32° 4' 49.091 N	103° 17' 23.117 W
7,600.0	0.46	325.90	7,575.0	265.6	1,828.5	32° 4' 49.100 N	103° 17' 23.120 W
7,700.0	0.24	337.51	7,675.0	266.1	1,828.1	32° 4' 49.105 N	103° 17' 23.125 W
7,800.0	0.35	37.71	7,775.0	266.5	1,828.3	32° 4' 49.109 N	103° 17' 23.123 W
7,900.0	0.41	30.78	7,875.0	267.1	1,828.7	32° 4' 49.114 N	103° 17' 23.118 W
8,000.0	0.54	26.61	7,975.0	267.8	1,829.0	32° 4' 49.121 N	103° 17' 23.114 W
8,100.0	0.71	23.49	8,075.0	268.8	1,829.5	32° 4' 49.131 N	103° 17' 23.108 W
8,200.0	0.13	45.63	8,175.0	269.7	1,829.9	32° 4' 49.140 N	103° 17' 23.104 W
8,300.0	0.66	186.81	8,275.0	269.1	1,829.9	32° 4' 49.134 N	103° 17' 23.104 W
8,400.0	0.66	180.71	8,375.0	267.8	1,829.8	32° 4' 49.121 N	103° 17' 23.105 W
8,500.0	0.66	171.53	8,475.0	266.7	1,829.9	32° 4' 49.110 N	103° 17' 23.105 W
8,600.0	0.56	179.94	8,575.0	265.6	1,830.0	32° 4' 49.100 N	103° 17' 23.103 W
8,700.0	0.34	225.64	8,675.0	264.9	1,829.8	32° 4' 49.093 N	103° 17' 23.106 W
8,800.0	0.46	189.67	8,775.0	264.3	1,829.5	32° 4' 49.087 N	103° 17' 23.109 W
8,900.0	0.75	223.79	8,874.9	263.5	1,829.0	32° 4' 49.078 N	103° 17' 23.115 W
9,000.0	1.35	237.09	8,974.9	262.3	1,827.5	32° 4' 49.067 N	103° 17' 23.133 W
9,100.0	1.30	238.50	9,074.9	261.1	1,825.5	32° 4' 49.055 N	103° 17' 23.156 W
9,200.0	1.18	247.25	9,174.9	260.1	1,823.6	32° 4' 49.045 N	103° 17' 23.178 W
9,300.0	1.07	260.03	9,274.9	259.5	1,821.7	32° 4' 49.040 N	103° 17' 23.200 W
9,400.0	0.91	268.62	9,374.8	259.4	1,820.0	32° 4' 49.039 N	103° 17' 23.220 W
9,500.0	0.43	268.66	9,474.8	259.3	1,818.7	32° 4' 49.038 N	103° 17' 23.235 W
9,600.0	0.18	75.48	9,574.8	259.4	1,818.5	32° 4' 49.039 N	103° 17' 23.237 W
9,700.0	0.37	76.80	9,674.8	259.5	1,819.1	32° 4' 49.040 N	103° 17' 23.230 W
9,800.0	0.26	57.84	9,774.8	259.7	1,819.6	32° 4' 49.042 N	103° 17' 23.224 W
9,900.0	0.08	2.58	9,874.8	259.9	1,819.9	32° 4' 49.044 N	103° 17' 23.221 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

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Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
10,000.0	0.15	131.23	9,974.8	259.9	1,819.9	32° 4' 49.044 N	103° 17' 23.221 W
10,100.0	0.37	90.93	10,074.8	259.7	1,820.3	32° 4' 49.042 N	103° 17' 23.217 W
10,200.0	0.32	89.65	10,174.8	259.8	1,820.9	32° 4' 49.043 N	103° 17' 23.209 W
10,300.0	0.48	207.81	10,274.8	259.5	1,821.1	32° 4' 49.040 N	103° 17' 23.207 W
10,400.0	0.64	215.06	10,374.8	258.6	1,820.5	32° 4' 49.031 N	103° 17' 23.214 W
10,500.0	1.02	238.32	10,474.8	257.7	1,819.5	32° 4' 49.022 N	103° 17' 23.226 W
10,600.0	1.62	257.20	10,574.8	257.0	1,817.3	32° 4' 49.015 N	103° 17' 23.251 W
10,700.0	1.87	243.15	10,674.7	255.8	1,814.4	32° 4' 49.004 N	103° 17' 23.285 W
10,800.0	1.17	240.57	10,774.7	254.6	1,812.1	32° 4' 48.992 N	103° 17' 23.313 W
10,900.0	0.68	231.76	10,874.7	253.7	1,810.8	32° 4' 48.983 N	103° 17' 23.327 W
11,000.0	0.32	282.53	10,974.7	253.4	1,809.9	32° 4' 48.980 N	103° 17' 23.338 W
11,100.0	0.46	281.07	11,074.7	253.5	1,809.3	32° 4' 48.982 N	103° 17' 23.345 W
11,200.0	0.69	253.55	11,174.7	253.7	1,808.5	32° 4' 48.983 N	103° 17' 23.355 W
11,238.0	4.88	227.46	11,212.6	252.5	1,807.1	32° 4' 48.972 N	103° 17' 23.371 W
Holly 113H As Drilled KOP							
11,300.0	11.85	225.05	11,274.2	248.5	1,802.8	32° 4' 48.933 N	103° 17' 23.421 W
11,400.0	25.38	225.26	11,368.4	225.3	1,779.7	32° 4' 48.705 N	103° 17' 23.692 W
11,500.0	35.76	212.94	11,454.5	186.6	1,747.1	32° 4' 48.326 N	103° 17' 24.075 W
11,600.0	43.31	200.48	11,531.1	129.3	1,718.7	32° 4' 47.762 N	103° 17' 24.412 W
11,700.0	49.90	192.35	11,599.8	59.6	1,698.7	32° 4' 47.073 N	103° 17' 24.653 W
11,800.0	55.87	188.80	11,660.0	-18.9	1,684.4	32° 4' 46.298 N	103° 17' 24.828 W
11,900.0	65.36	184.58	11,709.2	-105.2	1,674.3	32° 4' 45.445 N	103° 17' 24.954 W
11,935.0	69.15	183.87	11,722.8	-137.4	1,671.9	32° 4' 45.127 N	103° 17' 24.985 W
Holly 113H As Drilled FTP							
12,000.0	76.19	182.64	11,742.2	-199.3	1,668.5	32° 4' 44.515 N	103° 17' 25.032 W
12,100.0	88.86	180.59	11,754.3	-298.2	1,664.6	32° 4' 43.536 N	103° 17' 25.089 W
12,200.0	91.82	174.45	11,752.9	-398.0	1,669.6	32° 4' 42.548 N	103° 17' 25.042 W
12,300.0	89.88	174.52	11,752.3	-497.5	1,679.8	32° 4' 41.563 N	103° 17' 24.934 W
12,400.0	91.26	177.40	11,750.3	-597.2	1,686.3	32° 4' 40.576 N	103° 17' 24.870 W
12,500.0	88.16	178.15	11,750.9	-697.1	1,690.5	32° 4' 39.587 N	103° 17' 24.832 W
12,600.0	85.93	179.78	11,756.3	-797.0	1,692.1	32° 4' 38.599 N	103° 17' 24.825 W
12,700.0	84.60	179.92	11,764.6	-896.6	1,691.9	32° 4' 37.613 N	103° 17' 24.838 W
12,800.0	84.44	180.91	11,774.6	-996.1	1,692.2	32° 4' 36.628 N	103° 17' 24.846 W
12,900.0	88.65	182.91	11,781.9	-1,095.7	1,688.3	32° 4' 35.643 N	103° 17' 24.903 W
13,000.0	89.35	182.11	11,781.3	-1,195.6	1,683.4	32° 4' 34.655 N	103° 17' 24.971 W
13,100.0	88.21	180.88	11,784.4	-1,295.5	1,681.0	32° 4' 33.667 N	103° 17' 25.010 W
13,200.0	87.25	179.33	11,787.9	-1,395.4	1,680.6	32° 4' 32.678 N	103° 17' 25.026 W
13,300.0	88.37	178.81	11,792.4	-1,495.3	1,682.5	32° 4' 31.690 N	103° 17' 25.015 W
13,400.0	94.58	180.16	11,790.6	-1,595.2	1,683.7	32° 4' 30.701 N	103° 17' 25.012 W
13,500.0	95.94	180.10	11,781.0	-1,694.8	1,683.3	32° 4' 29.716 N	103° 17' 25.028 W
13,600.0	94.75	179.80	11,771.0	-1,794.3	1,683.4	32° 4' 28.732 N	103° 17' 25.038 W
13,700.0	93.88	179.48	11,763.9	-1,894.0	1,684.0	32° 4' 27.745 N	103° 17' 25.042 W
13,800.0	92.93	179.66	11,757.8	-1,993.8	1,684.9	32° 4' 26.757 N	103° 17' 25.043 W
13,900.0	92.33	179.91	11,753.3	-2,093.7	1,685.3	32° 4' 25.768 N	103° 17' 25.050 W
14,000.0	91.73	178.79	11,749.8	-2,193.7	1,686.2	32° 4' 24.780 N	103° 17' 25.050 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
14,100.0	88.64	177.04	11,749.2	-2,293.6	1,689.8	32° 4' 23.791 N	103° 17' 25.020 W
14,200.0	88.86	175.82	11,751.6	-2,393.3	1,696.1	32° 4' 22.803 N	103° 17' 24.958 W
14,300.0	89.51	175.61	11,752.7	-2,493.0	1,703.8	32° 4' 21.816 N	103° 17' 24.880 W
14,400.0	86.27	178.44	11,756.8	-2,592.8	1,708.7	32° 4' 20.828 N	103° 17' 24.833 W
14,500.0	87.28	179.54	11,763.0	-2,692.6	1,710.7	32° 4' 19.840 N	103° 17' 24.822 W
14,600.0	90.67	180.69	11,764.7	-2,792.6	1,710.2	32° 4' 18.851 N	103° 17' 24.838 W
14,700.0	92.17	180.92	11,761.8	-2,892.5	1,708.9	32° 4' 17.863 N	103° 17' 24.866 W
14,800.0	91.22	180.60	11,758.6	-2,992.4	1,707.4	32° 4' 16.874 N	103° 17' 24.894 W
14,900.0	93.46	180.30	11,754.1	-3,092.3	1,706.2	32° 4' 15.886 N	103° 17' 24.920 W
15,000.0	92.01	179.89	11,749.7	-3,192.2	1,706.3	32° 4' 14.897 N	103° 17' 24.929 W
15,100.0	91.66	179.86	11,746.0	-3,292.2	1,706.4	32° 4' 13.908 N	103° 17' 24.940 W
15,200.0	90.21	178.06	11,744.4	-3,392.1	1,707.8	32° 4' 12.919 N	103° 17' 24.934 W
15,300.0	90.05	176.78	11,745.9	-3,491.9	1,714.3	32° 4' 11.931 N	103° 17' 24.870 W
15,400.0	89.89	178.17	11,744.9	-3,591.8	1,718.3	32° 4' 10.942 N	103° 17' 24.834 W
15,500.0	89.08	178.46	11,746.1	-3,691.7	1,721.2	32° 4' 9.953 N	103° 17' 24.812 W
15,600.0	89.80	179.02	11,747.3	-3,791.7	1,723.5	32° 4' 8.964 N	103° 17' 24.797 W
15,700.0	90.43	179.29	11,747.0	-3,891.7	1,724.9	32° 4' 7.974 N	103° 17' 24.792 W
15,800.0	88.79	181.34	11,747.4	-3,991.7	1,724.6	32° 4' 6.985 N	103° 17' 24.807 W
15,900.0	87.66	182.24	11,750.6	-4,091.6	1,721.3	32° 4' 5.997 N	103° 17' 24.856 W
16,000.0	86.25	181.42	11,755.9	-4,191.4	1,718.1	32° 4' 5.010 N	103° 17' 24.905 W
16,100.0	88.63	182.20	11,760.4	-4,291.2	1,714.9	32° 4' 4.022 N	103° 17' 24.953 W
16,200.0	90.26	181.94	11,761.1	-4,391.2	1,711.2	32° 4' 3.034 N	103° 17' 25.007 W
16,300.0	88.69	180.36	11,761.4	-4,491.1	1,708.6	32° 4' 2.045 N	103° 17' 25.049 W
16,400.0	87.38	176.02	11,765.7	-4,590.9	1,712.0	32° 4' 1.057 N	103° 17' 25.020 W
16,500.0	87.01	175.10	11,769.8	-4,690.5	1,720.0	32° 4' 0.071 N	103° 17' 24.938 W
16,600.0	86.25	176.15	11,775.7	-4,790.1	1,727.4	32° 3' 59.085 N	103° 17' 24.864 W
16,700.0	86.35	176.84	11,782.6	-4,889.6	1,733.8	32° 3' 58.099 N	103° 17' 24.801 W
16,800.0	88.05	178.54	11,787.6	-4,989.4	1,737.8	32° 3' 57.112 N	103° 17' 24.764 W
16,900.0	87.54	178.98	11,790.4	-5,089.4	1,739.4	32° 3' 56.123 N	103° 17' 24.758 W
17,000.0	87.01	178.14	11,796.0	-5,189.2	1,742.0	32° 3' 55.135 N	103° 17' 24.739 W
17,090.8	87.71	179.18	11,800.2	-5,279.8	1,744.1	32° 3' 54.237 N	103° 17' 24.724 W
Holly 113H into NMNM137473							
17,100.0	87.78	179.29	11,800.4	-5,289.0	1,744.8	32° 3' 54.146 N	103° 17' 24.718 W
17,200.0	87.76	179.62	11,804.2	-5,388.9	1,745.3	32° 3' 53.158 N	103° 17' 24.723 W
17,300.0	85.76	178.61	11,809.5	-5,488.8	1,746.7	32° 3' 52.170 N	103° 17' 24.718 W
17,400.0	85.22	179.64	11,817.7	-5,588.4	1,748.6	32° 3' 51.183 N	103° 17' 24.707 W
17,500.0	88.53	182.37	11,823.5	-5,688.2	1,746.9	32° 3' 50.196 N	103° 17' 24.737 W
17,600.0	92.57	184.79	11,822.6	-5,788.0	1,740.7	32° 3' 49.210 N	103° 17' 24.821 W
17,700.0	92.07	183.22	11,818.4	-5,887.7	1,733.6	32° 3' 48.224 N	103° 17' 24.915 W
17,800.0	92.27	181.30	11,814.4	-5,987.5	1,729.7	32° 3' 47.237 N	103° 17' 24.971 W
17,900.0	89.62	180.07	11,812.7	-6,087.5	1,728.6	32° 3' 46.248 N	103° 17' 24.996 W
18,000.0	87.06	179.44	11,816.1	-6,187.4	1,729.1	32° 3' 45.259 N	103° 17' 25.001 W
18,100.0	87.24	179.36	11,820.8	-6,287.3	1,730.1	32° 3' 44.270 N	103° 17' 25.000 W
18,200.0	86.62	179.49	11,826.6	-6,387.1	1,731.2	32° 3' 43.283 N	103° 17' 24.999 W



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey							
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	+FSL/-FNL (usft)	+FWL/-FEL (usft)	Latitude	Longitude
18,300.0	87.84	180.06	11,831.5	-6,487.0	1,731.8	32° 3' 42.294 N	103° 17' 25.003 W
18,400.0	88.67	180.80	11,834.2	-6,586.9	1,730.7	32° 3' 41.305 N	103° 17' 25.027 W
18,500.0	88.42	180.45	11,836.7	-6,686.9	1,729.5	32° 3' 40.316 N	103° 17' 25.052 W
18,600.0	88.22	179.44	11,839.7	-6,786.8	1,729.4	32° 3' 39.327 N	103° 17' 25.064 W
18,700.0	88.75	177.75	11,842.6	-6,886.8	1,731.8	32° 3' 38.338 N	103° 17' 25.048 W
18,800.0	88.19	176.65	11,844.7	-6,986.6	1,737.0	32° 3' 37.350 N	103° 17' 24.999 W
18,900.0	88.15	176.83	11,848.3	-7,086.4	1,742.9	32° 3' 36.362 N	103° 17' 24.942 W
19,000.0	88.75	177.50	11,851.0	-7,186.2	1,747.8	32° 3' 35.374 N	103° 17' 24.895 W
19,100.0	87.37	177.11	11,854.0	-7,286.1	1,752.3	32° 3' 34.386 N	103° 17' 24.855 W
19,200.0	88.49	177.38	11,858.1	-7,385.8	1,757.3	32° 3' 33.398 N	103° 17' 24.808 W
19,300.0	89.01	177.32	11,860.1	-7,485.7	1,761.8	32° 3' 32.409 N	103° 17' 24.766 W
19,400.0	89.69	178.75	11,861.3	-7,585.6	1,765.4	32° 3' 31.420 N	103° 17' 24.736 W
19,500.0	89.76	178.77	11,861.7	-7,685.6	1,767.5	32° 3' 30.431 N	103° 17' 24.723 W
19,600.0	89.20	178.60	11,862.6	-7,785.6	1,769.8	32° 3' 29.441 N	103° 17' 24.707 W
19,700.0	88.66	178.80	11,864.7	-7,885.5	1,772.2	32° 3' 28.452 N	103° 17' 24.690 W
19,800.0	89.52	180.28	11,866.0	-7,985.5	1,772.7	32° 3' 27.463 N	103° 17' 24.696 W
19,900.0	88.75	179.47	11,867.7	-8,085.5	1,773.0	32° 3' 26.473 N	103° 17' 24.704 W
20,000.0	88.91	179.77	11,869.6	-8,185.5	1,774.0	32° 3' 25.484 N	103° 17' 24.703 W
20,100.0	87.00	181.06	11,872.4	-8,285.4	1,773.0	32° 3' 24.495 N	103° 17' 24.726 W
20,200.0	83.73	181.37	11,881.2	-8,385.0	1,771.0	32° 3' 23.510 N	103° 17' 24.761 W
20,300.0	84.62	181.17	11,892.2	-8,484.4	1,768.4	32° 3' 22.527 N	103° 17' 24.802 W
20,400.0	86.21	180.55	11,899.4	-8,584.1	1,767.2	32° 3' 21.541 N	103° 17' 24.827 W
20,500.0	87.01	178.53	11,905.7	-8,683.9	1,767.2	32° 3' 20.553 N	103° 17' 24.838 W
20,600.0	89.27	179.19	11,909.9	-8,783.8	1,769.3	32° 3' 19.565 N	103° 17' 24.825 W
20,700.0	91.36	178.61	11,908.7	-8,883.7	1,770.7	32° 3' 18.575 N	103° 17' 24.820 W
20,800.0	90.04	178.20	11,906.8	-8,983.7	1,773.8	32° 3' 17.586 N	103° 17' 24.795 W
20,900.0	89.80	178.62	11,907.4	-9,083.6	1,776.7	32° 3' 16.597 N	103° 17' 24.773 W
21,000.0	89.49	178.95	11,907.9	-9,183.6	1,778.8	32° 3' 15.607 N	103° 17' 24.760 W
21,100.0	91.49	179.37	11,907.4	-9,283.6	1,780.3	32° 3' 14.618 N	103° 17' 24.754 W
21,200.0	92.61	179.95	11,903.7	-9,383.5	1,780.9	32° 3' 13.629 N	103° 17' 24.758 W
21,300.0	93.37	180.76	11,898.5	-9,483.4	1,780.2	32° 3' 12.641 N	103° 17' 24.776 W
21,400.0	92.25	181.43	11,893.6	-9,583.2	1,778.6	32° 3' 11.653 N	103° 17' 24.807 W
21,500.0	89.36	181.30	11,893.8	-9,683.2	1,776.7	32° 3' 10.664 N	103° 17' 24.840 W
21,600.0	87.52	181.04	11,896.6	-9,783.1	1,774.7	32° 3' 9.676 N	103° 17' 24.874 W
21,700.0	87.83	181.11	11,900.8	-9,883.0	1,772.8	32° 3' 8.687 N	103° 17' 24.907 W
21,800.0	86.85	181.22	11,905.5	-9,982.9	1,770.8	32° 3' 7.699 N	103° 17' 24.943 W
21,900.0	87.15	180.59	11,910.3	-10,082.8	1,768.9	32° 3' 6.711 N	103° 17' 24.975 W
22,000.0	86.77	180.53	11,916.2	-10,182.6	1,768.1	32° 3' 5.724 N	103° 17' 24.996 W
22,100.0	88.05	180.51	11,920.6	-10,282.5	1,767.3	32° 3' 4.735 N	103° 17' 25.017 W
22,200.0	88.82	180.71	11,923.3	-10,382.5	1,766.2	32° 3' 3.747 N	103° 17' 25.041 W
22,265.0	89.03	180.78	11,924.5	-10,447.4	1,765.4	32° 3' 3.104 N	103° 17' 25.058 W
Holly 113H As Drilled LTP							
22,300.0	89.15	180.81	11,924.9	-10,482.4	1,764.8	32° 3' 2.757 N	103° 17' 25.068 W
Holly 113H As Drilled BHL							



Ameredev Operating, LLC
Lease Penetration Section Line Footages

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Checked By: _____ Approved By: _____ Date: _____



Ameredev Operating, LLC.

RB/HOL

RB/HOL #4S

Holly 113H

Final Survey

Design: Final Survey

Standard Survey Report

21 July, 2021



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Project	RB/HOL		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		RB/HOL #4S			
Site Position:		Northing:	394,020.11 usft	Latitude:	32° 4' 44.207 N
From:	Lat/Long	Easting:	864,441.19 usft	Longitude:	103° 17' 24.553 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.55 °

Well	Holly 113H					
Well Position	+N/-S	0.0 usft	Northing:	394,020.31 usft	Latitude:	32° 4' 44.207 N
	+E/-W	0.0 usft	Easting:	864,461.20 usft	Longitude:	103° 17' 24.321 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,001.0 usft

Wellbore	Final Survey				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/3/2021	6.37	59.92	47,468.53621929

Design	Final Survey				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.81	

Survey Program	Date	7/3/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
120.0	22,329.0	Holly 113H Final Survey (Final Survey)	MWD	OWSG MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.75	141.00	100.0	-0.5	0.4	0.5	0.75	0.75	0.00	
200.0	0.52	100.87	200.0	-1.3	1.3	1.3	0.49	-0.23	-40.13	
300.0	0.30	1.80	300.0	-1.1	1.8	1.1	0.64	-0.21	-99.07	
400.0	0.74	321.54	400.0	-0.2	1.4	0.2	0.55	0.44	-40.26	
500.0	0.15	355.31	500.0	0.4	1.0	-0.4	0.62	-0.59	33.77	
600.0	0.26	184.53	600.0	0.3	1.0	-0.3	0.40	0.10	-170.78	
700.0	0.20	137.35	700.0	-0.1	1.1	0.1	0.19	-0.06	-47.18	
800.0	0.30	81.00	800.0	-0.2	1.5	0.2	0.25	0.10	-56.35	
900.0	0.59	270.01	900.0	-0.1	1.2	0.1	0.88	0.29	-170.99	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
1,000.0	0.32	270.52	1,000.0	-0.1	0.4	0.1	0.26	-0.26	0.50	
1,100.0	0.14	329.82	1,100.0	-0.1	0.0	0.1	0.28	-0.18	59.30	
1,200.0	0.67	1.14	1,200.0	0.7	0.0	-0.7	0.55	0.53	31.32	
1,300.0	0.68	335.64	1,300.0	1.8	-0.2	-1.8	0.30	0.02	-25.50	
1,400.0	1.12	326.59	1,399.9	3.1	-1.0	-3.1	0.46	0.44	-9.04	
1,500.0	1.08	320.76	1,499.9	4.7	-2.1	-4.7	0.12	-0.03	-5.83	
1,600.0	0.96	313.26	1,599.9	6.0	-3.4	-6.0	0.18	-0.13	-7.51	
1,700.0	0.73	308.27	1,699.9	7.0	-4.5	-7.0	0.24	-0.22	-4.99	
1,800.0	0.74	313.29	1,799.9	7.8	-5.5	-7.9	0.06	0.00	5.02	
1,900.0	0.87	353.82	1,899.9	9.0	-6.0	-9.1	0.57	0.14	40.53	
2,000.0	1.56	14.29	1,999.9	10.9	-5.8	-10.9	0.80	0.69	20.47	
2,100.0	3.89	16.86	2,099.7	15.5	-4.5	-15.5	2.34	2.34	2.57	
2,200.0	5.91	20.65	2,199.4	23.8	-1.7	-23.8	2.04	2.01	3.80	
2,300.0	6.50	24.60	2,298.7	33.9	2.6	-33.9	0.73	0.59	3.94	
2,400.0	6.38	25.43	2,398.1	44.0	7.4	-44.0	0.15	-0.12	0.83	
2,500.0	6.61	24.34	2,497.5	54.2	12.2	-54.1	0.26	0.23	-1.09	
2,600.0	7.26	21.60	2,596.8	65.2	16.9	-65.2	0.73	0.65	-2.74	
2,700.0	7.23	17.24	2,695.9	77.4	21.3	-77.3	0.55	-0.03	-4.36	
2,800.0	6.79	10.89	2,795.2	89.1	24.2	-89.1	0.89	-0.44	-6.35	
2,900.0	6.23	12.01	2,894.5	100.4	26.2	-100.3	0.58	-0.56	1.12	
3,000.0	5.50	14.38	2,994.0	110.3	28.6	-110.2	0.77	-0.73	2.37	
3,100.0	4.95	15.78	3,093.6	119.1	31.0	-119.0	0.57	-0.55	1.40	
3,200.0	5.23	16.68	3,193.2	127.5	33.4	-127.4	0.30	0.28	0.90	
3,300.0	6.22	15.63	3,292.7	137.0	36.2	-136.9	1.00	0.99	-1.05	
3,400.0	5.95	16.01	3,392.1	147.3	39.1	-147.2	0.28	-0.28	0.38	
3,500.0	6.37	12.01	3,491.6	157.7	41.7	-157.5	0.60	0.43	-4.00	
3,600.0	6.97	7.00	3,590.9	169.2	43.5	-169.0	0.83	0.60	-5.01	
3,700.0	6.66	8.16	3,690.2	181.0	45.1	-180.8	0.34	-0.31	1.16	
3,800.0	6.37	9.23	3,789.5	192.2	46.8	-192.0	0.31	-0.29	1.08	
3,900.0	6.15	9.43	3,888.9	202.9	48.6	-202.8	0.22	-0.22	0.20	
4,000.0	5.97	9.74	3,988.4	213.3	50.3	-213.1	0.19	-0.18	0.31	
4,100.0	6.06	10.19	4,087.8	223.6	52.2	-223.4	0.10	0.08	0.45	
4,200.0	5.99	7.97	4,187.3	234.0	53.9	-233.8	0.24	-0.07	-2.22	
4,300.0	5.66	5.15	4,286.8	244.1	55.0	-243.9	0.44	-0.33	-2.82	
4,400.0	5.26	3.53	4,386.3	253.6	55.8	-253.4	0.42	-0.39	-1.62	
4,500.0	4.89	1.87	4,485.9	262.4	56.2	-262.2	0.40	-0.37	-1.67	
4,600.0	4.52	11.49	4,585.6	270.6	56.8	-270.4	0.87	-0.37	9.63	
4,700.0	4.64	24.49	4,685.3	278.0	59.3	-277.8	1.04	0.12	12.99	
4,800.0	4.83	22.02	4,784.9	285.6	62.8	-285.3	0.28	0.20	-2.47	
4,900.0	5.07	15.53	4,884.5	293.7	65.6	-293.5	0.61	0.24	-6.49	
5,000.0	4.72	13.62	4,984.2	302.1	67.7	-301.8	0.38	-0.35	-1.91	
5,100.0	4.32	10.85	5,083.9	309.8	69.4	-309.5	0.46	-0.40	-2.77	
5,200.0	3.80	9.58	5,183.6	316.7	70.7	-316.5	0.53	-0.53	-1.27	
5,300.0	3.99	9.96	5,283.4	323.4	71.8	-323.2	0.20	0.20	0.38	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,400.0	4.45	7.52	5,383.1	330.7	72.9	-330.4	0.49	0.45	-2.45	
5,500.0	4.64	6.07	5,482.8	338.5	73.8	-338.3	0.22	0.19	-1.44	
5,600.0	5.14	6.06	5,582.4	347.1	74.7	-346.8	0.50	0.50	-0.01	
5,700.0	4.97	7.08	5,682.0	355.8	75.7	-355.5	0.19	-0.16	1.02	
5,800.0	5.18	8.63	5,781.7	364.4	76.9	-364.2	0.25	0.21	1.55	
5,900.0	5.63	10.11	5,881.2	373.9	78.5	-373.6	0.47	0.45	1.48	
6,000.0	5.85	8.99	5,980.7	383.6	80.1	-383.3	0.24	0.21	-1.12	
6,100.0	6.77	9.10	6,080.1	394.4	81.8	-394.1	0.92	0.92	0.11	
6,200.0	7.26	8.97	6,179.3	406.7	83.8	-406.4	0.49	0.49	-0.14	
6,300.0	7.15	8.28	6,278.5	419.1	85.7	-418.8	0.14	-0.11	-0.68	
6,400.0	6.95	8.08	6,377.8	431.3	87.4	-431.0	0.21	-0.20	-0.20	
6,500.0	6.69	7.46	6,477.1	443.0	89.1	-442.7	0.27	-0.26	-0.62	
6,600.0	6.41	5.55	6,576.4	454.4	90.4	-454.1	0.36	-0.28	-1.91	
6,700.0	5.82	9.86	6,675.8	465.0	91.7	-464.7	0.75	-0.59	4.31	
6,800.0	4.39	17.55	6,775.4	473.8	93.7	-473.5	1.58	-1.43	7.69	
6,900.0	2.99	16.02	6,875.2	479.9	95.7	-479.6	1.40	-1.40	-1.54	
7,000.0	2.01	10.64	6,975.1	484.1	96.7	-483.8	1.01	-0.98	-5.38	
7,100.0	1.37	18.60	7,075.1	486.9	97.4	-486.6	0.68	-0.64	7.97	
7,200.0	1.58	17.17	7,175.1	489.4	98.2	-489.1	0.21	0.21	-1.44	
7,300.0	1.06	8.35	7,275.0	491.6	98.8	-491.3	0.55	-0.51	-8.82	
7,400.0	0.82	356.13	7,375.0	493.2	98.8	-492.9	0.31	-0.24	-12.21	
7,500.0	0.66	358.20	7,475.0	494.6	98.8	-494.2	0.17	-0.17	2.06	
7,600.0	0.46	325.90	7,575.0	495.5	98.5	-495.1	0.36	-0.20	-32.30	
7,700.0	0.24	337.51	7,675.0	495.9	98.1	-495.6	0.23	-0.22	11.61	
7,800.0	0.35	37.71	7,775.0	496.3	98.3	-496.0	0.31	0.10	60.20	
7,900.0	0.41	30.78	7,875.0	496.9	98.7	-496.6	0.08	0.06	-6.93	
8,000.0	0.54	26.61	7,975.0	497.6	99.0	-497.3	0.13	0.13	-4.17	
8,100.0	0.71	23.49	8,075.0	498.6	99.5	-498.3	0.18	0.17	-3.12	
8,200.0	0.13	45.63	8,175.0	499.5	99.9	-499.1	0.59	-0.58	22.15	
8,300.0	0.66	186.81	8,275.0	498.9	99.9	-498.6	0.77	0.53	141.18	
8,400.0	0.66	180.71	8,375.0	497.6	99.8	-497.3	0.07	0.00	-6.10	
8,500.0	0.66	171.53	8,475.0	496.5	99.9	-496.2	0.11	0.00	-9.18	
8,600.0	0.56	179.94	8,575.0	495.4	100.0	-495.1	0.13	-0.10	8.41	
8,700.0	0.34	225.64	8,675.0	494.7	99.8	-494.4	0.40	-0.22	45.69	
8,800.0	0.46	189.67	8,775.0	494.1	99.5	-493.8	0.27	0.12	-35.97	
8,900.0	0.75	223.79	8,874.9	493.3	99.0	-492.9	0.45	0.28	34.12	
9,000.0	1.35	237.09	8,974.9	492.1	97.5	-491.8	0.65	0.61	13.30	
9,100.0	1.30	238.50	9,074.9	490.9	95.5	-490.6	0.07	-0.06	1.42	
9,200.0	1.18	247.25	9,174.9	489.9	93.6	-489.6	0.22	-0.12	8.74	
9,300.0	1.07	260.03	9,274.9	489.3	91.7	-489.0	0.27	-0.11	12.79	
9,400.0	0.91	268.62	9,374.8	489.2	90.0	-488.9	0.22	-0.16	8.59	
9,500.0	0.43	268.66	9,474.8	489.1	88.7	-488.8	0.48	-0.48	0.04	
9,600.0	0.18	75.48	9,574.8	489.2	88.5	-488.9	0.60	-0.25	166.82	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,700.0	0.37	76.80	9,674.8	489.3	89.1	-489.0	0.19	0.18	1.31	
9,800.0	0.26	57.84	9,774.8	489.5	89.6	-489.2	0.15	-0.11	-18.96	
9,900.0	0.08	2.58	9,874.8	489.7	89.9	-489.4	0.22	-0.18	-55.26	
10,000.0	0.15	131.23	9,974.8	489.7	89.9	-489.4	0.21	0.07	128.65	
10,100.0	0.37	90.93	10,074.8	489.6	90.3	-489.3	0.27	0.22	-40.30	
10,200.0	0.32	89.65	10,174.8	489.6	90.9	-489.3	0.05	-0.05	-1.28	
10,300.0	0.48	207.81	10,274.8	489.3	91.1	-489.0	0.69	0.16	118.16	
10,400.0	0.64	215.06	10,374.8	488.4	90.5	-488.1	0.17	0.16	7.25	
10,500.0	1.02	238.32	10,474.8	487.5	89.5	-487.2	0.50	0.38	23.26	
10,600.0	1.62	257.20	10,574.8	486.8	87.3	-486.5	0.74	0.60	18.88	
10,700.0	1.87	243.15	10,674.7	485.6	84.4	-485.3	0.49	0.25	-14.05	
10,800.0	1.17	240.57	10,774.7	484.4	82.1	-484.1	0.71	-0.71	-2.58	
10,900.0	0.68	231.76	10,874.7	483.5	80.8	-483.2	0.50	-0.48	-8.81	
11,000.0	0.32	282.53	10,974.7	483.2	79.9	-482.9	0.54	-0.36	50.77	
11,100.0	0.46	281.07	11,074.7	483.3	79.3	-483.1	0.14	0.14	-1.46	
11,200.0	0.69	253.55	11,174.7	483.5	78.5	-483.2	0.35	0.23	-27.52	
11,238.0	4.88	227.46	11,212.6	482.3	77.1	-482.1	11.25	11.03	-68.64	
Holly 113H As Drilled KOP										
11,300.0	11.85	225.05	11,274.2	478.3	72.8	-478.0	11.25	11.23	-3.89	
11,400.0	25.38	225.26	11,368.4	455.1	49.7	-454.9	13.54	13.54	0.21	
11,500.0	35.76	212.94	11,454.5	416.4	17.1	-416.4	12.07	10.38	-12.32	
11,600.0	43.31	200.48	11,531.1	359.1	-11.3	-359.2	10.92	7.55	-12.46	
11,700.0	49.90	192.35	11,599.8	289.4	-31.4	-289.5	8.84	6.58	-8.14	
11,800.0	55.87	188.80	11,660.0	210.9	-45.6	-211.1	6.60	5.97	-3.54	
11,900.0	65.36	184.58	11,709.2	124.6	-55.7	-124.8	10.18	9.50	-4.22	
11,935.0	69.15	183.87	11,722.8	92.4	-58.1	-92.6	10.98	10.82	-2.03	
Holly 113H As Drilled FTP										
12,000.0	76.19	182.64	11,742.2	30.5	-61.5	-30.7	10.98	10.83	-1.89	
12,100.0	88.86	180.59	11,754.3	-68.4	-65.4	68.2	12.84	12.68	-2.05	
12,200.0	91.82	174.45	11,752.9	-168.2	-60.4	168.0	6.81	2.95	-6.14	
12,300.0	89.88	174.52	11,752.3	-267.7	-50.2	267.5	1.94	-1.94	0.07	
12,400.0	91.26	177.40	11,750.3	-367.4	-43.7	367.3	3.20	1.39	2.88	
12,500.0	88.16	178.15	11,750.9	-467.3	-39.5	467.2	3.19	-3.10	0.75	
12,600.0	85.93	179.78	11,756.3	-567.2	-37.9	567.0	2.76	-2.24	1.63	
12,700.0	84.60	179.92	11,764.6	-666.8	-38.1	666.7	1.34	-1.33	0.14	
12,800.0	84.44	180.91	11,774.6	-766.3	-37.8	766.2	1.00	-0.16	0.99	
12,900.0	88.65	182.91	11,781.9	-865.9	-41.8	865.8	4.66	4.21	2.00	
13,000.0	89.35	182.11	11,781.3	-965.8	-46.6	965.6	1.06	0.70	-0.80	
13,100.0	88.21	180.88	11,784.4	-1,065.7	-49.0	1,065.5	1.68	-1.14	-1.23	
13,200.0	87.25	179.33	11,787.9	-1,165.6	-49.4	1,165.5	1.82	-0.96	-1.55	
13,300.0	88.37	178.81	11,792.4	-1,265.5	-47.5	1,265.4	1.23	1.12	-0.51	
13,400.0	94.58	180.16	11,790.6	-1,365.4	-46.3	1,365.3	6.35	6.20	1.34	
13,500.0	95.94	180.10	11,781.0	-1,465.0	-46.7	1,464.8	1.37	1.36	-0.06	
13,600.0	94.75	179.80	11,771.0	-1,564.5	-46.6	1,564.3	1.23	-1.19	-0.30	



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,700.0	93.88	179.48	11,763.9	-1,664.2	-46.0	1,664.1	0.92	-0.87	-0.32
13,800.0	92.93	179.66	11,757.8	-1,764.0	-45.1	1,763.9	0.97	-0.96	0.18
13,900.0	92.33	179.91	11,753.3	-1,863.9	-44.8	1,863.8	0.65	-0.60	0.25
14,000.0	91.73	178.79	11,749.8	-1,963.8	-43.8	1,963.7	1.27	-0.59	-1.12
14,100.0	88.64	177.04	11,749.2	-2,063.8	-40.2	2,063.6	3.55	-3.09	-1.75
14,200.0	88.86	175.82	11,751.6	-2,163.5	-33.9	2,163.4	1.24	0.22	-1.22
14,300.0	89.51	175.61	11,752.7	-2,263.2	-26.2	2,263.1	0.68	0.65	-0.21
14,400.0	86.27	178.44	11,756.8	-2,363.0	-21.3	2,362.9	4.30	-3.24	2.84
14,500.0	87.28	179.54	11,763.0	-2,462.8	-19.3	2,462.7	1.49	1.01	1.10
14,600.0	90.67	180.69	11,764.7	-2,562.8	-19.8	2,562.7	3.58	3.39	1.15
14,700.0	92.17	180.92	11,761.8	-2,662.7	-21.1	2,662.6	1.52	1.50	0.23
14,800.0	91.22	180.60	11,758.6	-2,762.6	-22.6	2,762.6	1.00	-0.95	-0.32
14,900.0	93.46	180.30	11,754.1	-2,862.5	-23.9	2,862.4	2.25	2.23	-0.30
15,000.0	92.01	179.89	11,749.7	-2,962.4	-23.7	2,962.3	1.50	-1.45	-0.41
15,100.0	91.66	179.86	11,746.0	-3,062.3	-23.6	3,062.3	0.35	-0.35	-0.03
15,200.0	90.21	178.06	11,744.4	-3,162.3	-22.2	3,162.2	2.30	-1.45	-1.79
15,300.0	90.05	176.78	11,745.9	-3,262.1	-15.7	3,262.0	1.30	-0.17	-1.29
15,400.0	89.89	178.17	11,744.9	-3,362.0	-11.7	3,361.9	1.40	-0.15	1.39
15,500.0	89.08	178.46	11,746.1	-3,461.9	-8.8	3,461.9	0.86	-0.81	0.29
15,600.0	89.80	179.02	11,747.3	-3,561.9	-6.5	3,561.9	0.91	0.72	0.56
15,700.0	90.43	179.29	11,747.0	-3,661.9	-5.1	3,661.9	0.69	0.63	0.27
15,800.0	88.79	181.34	11,747.4	-3,761.9	-5.4	3,761.8	2.63	-1.64	2.05
15,900.0	87.66	182.24	11,750.6	-3,861.8	-8.7	3,861.7	1.45	-1.13	0.90
16,000.0	86.25	181.42	11,755.9	-3,961.6	-11.9	3,961.5	1.63	-1.41	-0.82
16,100.0	88.63	182.20	11,760.4	-4,061.4	-15.1	4,061.3	2.50	2.37	0.78
16,200.0	90.26	181.94	11,761.1	-4,161.3	-18.8	4,161.3	1.66	1.64	-0.26
16,300.0	88.69	180.36	11,761.4	-4,261.3	-21.4	4,261.2	2.23	-1.57	-1.58
16,400.0	87.38	176.02	11,765.7	-4,361.1	-18.0	4,361.0	4.53	-1.32	-4.34
16,500.0	87.01	175.10	11,769.8	-4,460.7	-10.0	4,460.6	0.99	-0.36	-0.92
16,600.0	86.25	176.15	11,775.7	-4,560.3	-2.6	4,560.2	1.30	-0.76	1.05
16,700.0	86.35	176.84	11,782.6	-4,659.8	3.7	4,659.8	0.70	0.10	0.69
16,800.0	88.05	178.54	11,787.6	-4,759.6	7.8	4,759.6	2.40	1.69	1.70
16,900.0	87.54	178.98	11,790.4	-4,859.5	9.3	4,859.6	0.67	-0.51	0.43
17,000.0	87.01	178.14	11,796.0	-4,959.4	12.0	4,959.4	0.99	-0.52	-0.84
17,090.8	87.71	179.18	11,800.2	-5,050.0	14.1	5,050.1	1.38	0.76	1.15
Holly 113H into NMNM137473									
17,100.0	87.78	179.29	11,800.4	-5,059.2	14.7	5,059.2	1.38	0.77	1.15
17,200.0	87.76	179.62	11,804.2	-5,159.1	15.3	5,159.2	0.33	-0.02	0.33
17,300.0	85.76	178.61	11,809.5	-5,259.0	16.7	5,259.0	2.23	-1.99	-1.01
17,400.0	85.22	179.64	11,817.7	-5,358.6	18.6	5,358.7	1.16	-0.54	1.03
17,500.0	88.53	182.37	11,823.5	-5,458.4	16.9	5,458.4	4.29	3.31	2.73
17,600.0	92.57	184.79	11,822.6	-5,558.2	10.7	5,558.2	4.71	4.04	2.42
17,700.0	92.07	183.22	11,818.4	-5,657.8	3.6	5,657.8	1.64	-0.50	-1.57



Ameredev Operating, LLC

Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,800.0	92.27	181.30	11,814.4	-5,757.7	-0.3	5,757.6	1.93	0.21	-1.92	
17,900.0	89.62	180.07	11,812.7	-5,857.7	-1.5	5,857.6	2.93	-2.66	-1.24	
18,000.0	87.06	179.44	11,816.1	-5,957.6	-1.0	5,957.5	2.63	-2.55	-0.62	
18,100.0	87.24	179.36	11,820.8	-6,057.5	0.1	6,057.4	0.19	0.17	-0.09	
18,200.0	86.62	179.49	11,826.6	-6,157.3	1.1	6,157.3	0.63	-0.62	0.14	
18,300.0	87.84	180.06	11,831.5	-6,257.2	1.7	6,257.1	1.34	1.22	0.57	
18,400.0	88.67	180.80	11,834.2	-6,357.1	0.7	6,357.1	1.11	0.83	0.73	
18,500.0	88.42	180.45	11,836.7	-6,457.1	-0.5	6,457.0	0.44	-0.26	-0.35	
18,600.0	88.22	179.44	11,839.7	-6,557.0	-0.6	6,557.0	1.02	-0.20	-1.00	
18,700.0	88.75	177.75	11,842.6	-6,657.0	1.8	6,656.9	1.78	0.53	-1.69	
18,800.0	88.19	176.65	11,844.7	-6,756.8	6.9	6,756.8	1.24	-0.56	-1.10	
18,900.0	88.15	176.83	11,848.3	-6,856.6	12.9	6,856.6	0.18	-0.04	0.18	
19,000.0	88.75	177.50	11,851.0	-6,956.4	17.8	6,956.4	0.90	0.59	0.67	
19,100.0	87.37	177.11	11,854.0	-7,056.3	22.3	7,056.3	1.43	-1.38	-0.39	
19,200.0	88.49	177.38	11,858.1	-7,156.0	27.3	7,156.1	1.15	1.12	0.27	
19,300.0	89.01	177.32	11,860.1	-7,255.9	31.8	7,256.0	0.53	0.53	-0.06	
19,400.0	89.69	178.75	11,861.3	-7,355.8	35.4	7,355.9	1.59	0.68	1.43	
19,500.0	89.76	178.77	11,861.7	-7,455.8	37.5	7,455.9	0.07	0.07	0.02	
19,600.0	89.20	178.60	11,862.6	-7,555.8	39.8	7,555.9	0.58	-0.56	-0.17	
19,700.0	88.66	178.80	11,864.7	-7,655.7	42.2	7,655.8	0.58	-0.54	0.20	
19,800.0	89.52	180.28	11,866.0	-7,755.7	42.7	7,755.8	1.70	0.85	1.48	
19,900.0	88.75	179.47	11,867.7	-7,855.7	43.0	7,855.8	1.11	-0.77	-0.81	
20,000.0	88.91	179.77	11,869.6	-7,955.7	44.0	7,955.8	0.34	0.16	0.29	
20,100.0	87.00	181.06	11,872.4	-8,055.6	43.0	8,055.7	2.31	-1.92	1.29	
20,200.0	83.73	181.37	11,881.2	-8,155.2	40.9	8,155.3	3.28	-3.26	0.31	
20,300.0	84.62	181.17	11,892.2	-8,254.6	38.4	8,254.6	0.91	0.89	-0.20	
20,400.0	86.21	180.55	11,899.4	-8,354.3	37.2	8,354.4	1.70	1.58	-0.62	
20,500.0	87.01	178.53	11,905.7	-8,454.1	37.2	8,454.2	2.18	0.81	-2.02	
20,600.0	89.27	179.19	11,909.9	-8,554.0	39.3	8,554.0	2.35	2.25	0.67	
20,700.0	91.36	178.61	11,908.7	-8,653.9	40.7	8,654.0	2.18	2.10	-0.59	
20,800.0	90.04	178.20	11,906.8	-8,753.9	43.8	8,754.0	1.38	-1.32	-0.41	
20,900.0	89.80	178.62	11,907.4	-8,853.8	46.7	8,853.9	0.49	-0.24	0.42	
21,000.0	89.49	178.95	11,907.9	-8,953.8	48.8	8,953.9	0.46	-0.32	0.33	
21,100.0	91.49	179.37	11,907.4	-9,053.8	50.2	9,053.9	2.05	2.00	0.43	
21,200.0	92.61	179.95	11,903.7	-9,153.7	50.8	9,153.8	1.26	1.12	0.57	
21,300.0	93.37	180.76	11,898.5	-9,253.6	50.2	9,253.7	1.11	0.76	0.81	
21,400.0	92.25	181.43	11,893.6	-9,353.4	48.6	9,353.5	1.30	-1.12	0.67	
21,500.0	89.36	181.30	11,893.8	-9,453.4	46.7	9,453.5	2.89	-2.88	-0.13	
21,600.0	87.52	181.04	11,896.6	-9,553.3	44.7	9,553.4	1.86	-1.84	-0.25	
21,700.0	87.83	181.11	11,900.8	-9,653.2	42.8	9,653.3	0.31	0.30	0.06	
21,800.0	86.85	181.22	11,905.5	-9,753.1	40.8	9,753.2	0.98	-0.97	0.11	
21,900.0	87.15	180.59	11,910.3	-9,853.0	38.9	9,853.0	0.70	0.30	-0.64	
22,000.0	86.77	180.53	11,916.2	-9,952.8	38.1	9,952.9	0.38	-0.38	-0.06	
22,100.0	88.05	180.51	11,920.6	-10,052.7	37.3	10,052.8	1.27	1.27	-0.02	



Ameredev Operating, LLC
Survey Report

Company:	Ameredev Operating, LLC.	Local Co-ordinate Reference:	Well Holly 113H
Project:	RB/HOL	TVD Reference:	KB @ 3028.0usft
Site:	RB/HOL #4S	MD Reference:	KB @ 3028.0usft
Well:	Holly 113H	North Reference:	Grid
Wellbore:	Final Survey	Survey Calculation Method:	Minimum Curvature
Design:	Final Survey	Database:	EDM5000

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
22,200.0	88.82	180.71	11,923.3	-10,152.6	36.2	10,152.7	0.80	0.77	0.20
22,265.0	89.03	180.78	11,924.5	-10,217.6	35.3	10,217.7	0.35	0.33	0.10
Holly 113H As Drilled LTP									
22,300.0	89.15	180.81	11,924.9	-10,252.6	34.8	10,252.7	0.35	0.33	0.10
Holly 113H As Drilled BHL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Holly 113H As Drilled KC	0.00	0.00	11,212.7	483.2	77.9	394,503.48	864,539.07	32° 4' 48.980 N	103° 17' 23.361 W
- actual wellpath misses target center by 1.2usft at 11238.0usft MD (11212.6 TVD, 482.3 N, 77.1 E)									
- Point									
Holly 113H As Drilled FT	0.00	0.00	11,722.8	92.4	-58.1	394,112.72	864,403.15	32° 4' 45.127 N	103° 17' 24.985 W
- actual wellpath hits target center									
- Point									
Holly 113H into NMNM1:	0.00	0.00	11,800.1	-5,050.0	14.6	388,970.29	864,475.82	32° 3' 54.237 N	103° 17' 24.718 W
- actual wellpath misses target center by 0.5usft at 17090.8usft MD (11800.2 TVD, -5050.1 N, 14.1 E)									
- Point									
Holly 113H As Drilled LT	0.00	0.00	11,924.4	-10,217.6	35.3	383,802.68	864,496.52	32° 3' 3.104 N	103° 17' 25.058 W
- actual wellpath misses target center by 0.1usft at 22265.0usft MD (11924.5 TVD, -10217.6 N, 35.3 E)									
- Point									
Holly 113H As Drilled BH	0.00	0.01	11,925.3	-10,281.6	34.4	383,738.69	864,495.62	32° 3' 2.471 N	103° 17' 25.076 W
- actual wellpath misses target center by 29.0usft at 22300.0usft MD (11924.9 TVD, -10252.6 N, 34.8 E)									
- Point									

Checked By: _____	Approved By: _____	Date: _____
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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

Action 381344

ACKNOWLEDGMENTS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 381344
	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.

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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 381344

CONDITIONS

Operator: AMEREDEV OPERATING, LLC 2901 Via Fortuna Austin, TX 78746	OGRID: 372224
	Action Number: 381344
	Action Type: [C-105] Well (Re)Completion (C-105)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	Log (s) if applicable need to be submitted as a [UF-WL] EP Well Log Submission separately and not with the C-104 Completion Packet.	1/9/2025
plmartinez	Going forward only submit the approved BLM 3160-4 Completion Report as a standalone.	1/9/2025