

Company: Occidental Petroleum Corporation

Well: CAMP H30-29D

Field: WATTENBURG

County: WELD State: COLORADO

Isolation Scanner

VDL WIDE

Gamma Ray - CCL Log

County: WELD
 Field: WATTENBURG
 Location: SHL: 1669' FSL & 969' FWL NWSW
 Well: CAMP H30-29D
 Company: Occidental Petroleum Corporation

Location:	SHL: 1669' FSL & 969' FWL NWSW	Elev.:	K.B. 5005.00 ft
	BHL: 131' FSL & 1322' FWL SWSW		G.L. 4990.00 ft
	S19-T3N-R65W		D.F.
Permanent Datum:		Ground Level	4990.00 f
Log Measured From:		Kelly Bushing	15.00 ft above Perm.Datum
Drilling Measured From:		Kelly Bushing	
API Serial No.	0512331414	Section:	19
		Township:	3N
		Range:	65W

Logging Date	09-May-2023
Run Number	ONE
Depth Driller	8315.00 ft
Schlumberger Depth	TD Not Tag
Bottom Log Interval	6500.00 ft
Top Log Interval	50.00 ft
Casing Fluid Type	Fresh Water
Salinity	
Density	8.6 lbm/gal
Fluid Level	8.00 ft
BIT/CASING/TUBING STRING	
Bit Size	7.88 in
From	735.00 ft
To	8315.00 ft
Casing/Tubing Size	4.5 in
Weight	11.6 lbm/ft
Grade	L80
From	0.00 ft
To	8305.00 ft
Max Recorded Temperatures	211.01 degF
Logger on Bottom	09-May-2023 11:32:00
Unit Number	9115
Recorded By	D.May/C.Jordan Fort Morgan, CO
Witnessed By	Travis Rothe

Disclaimer

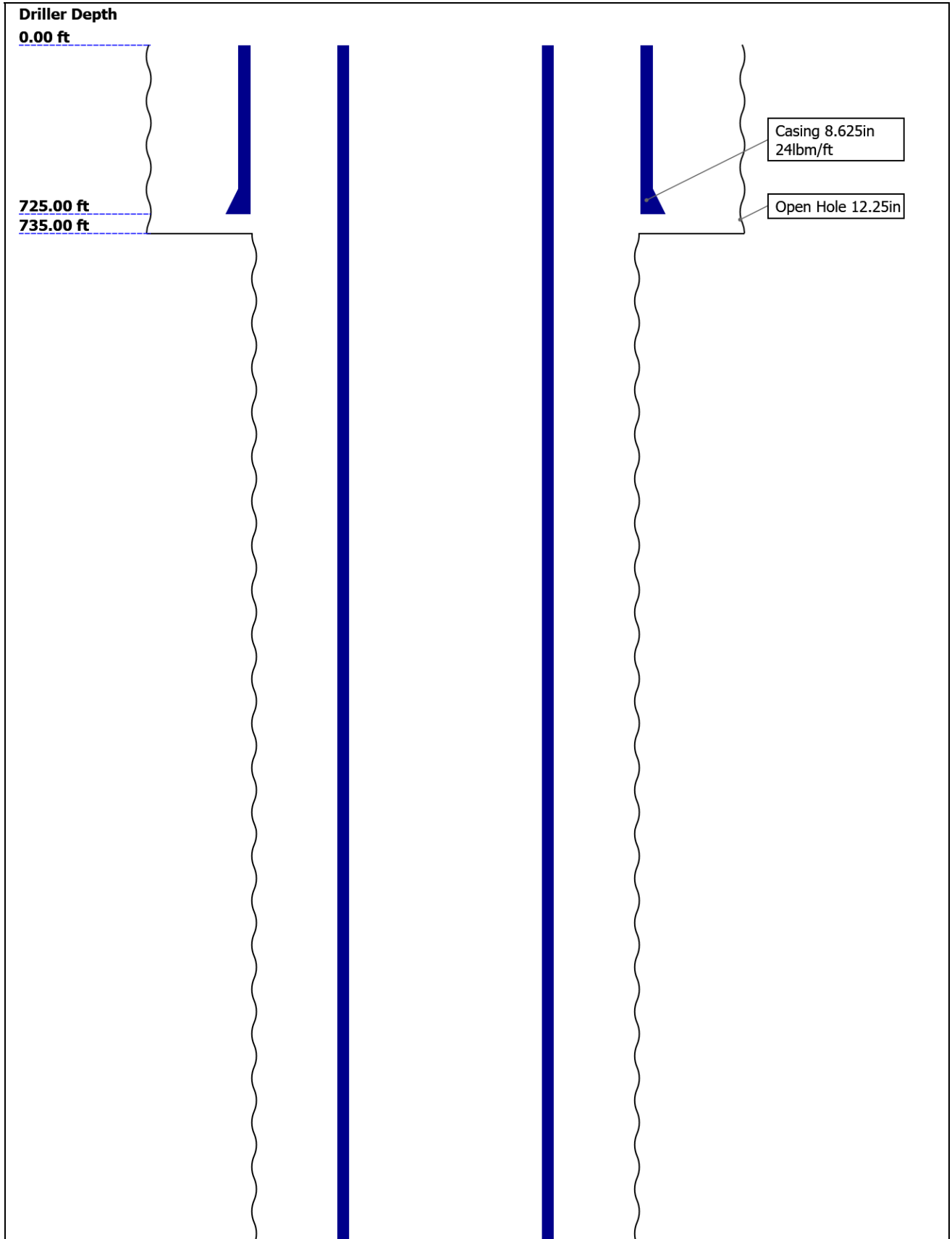
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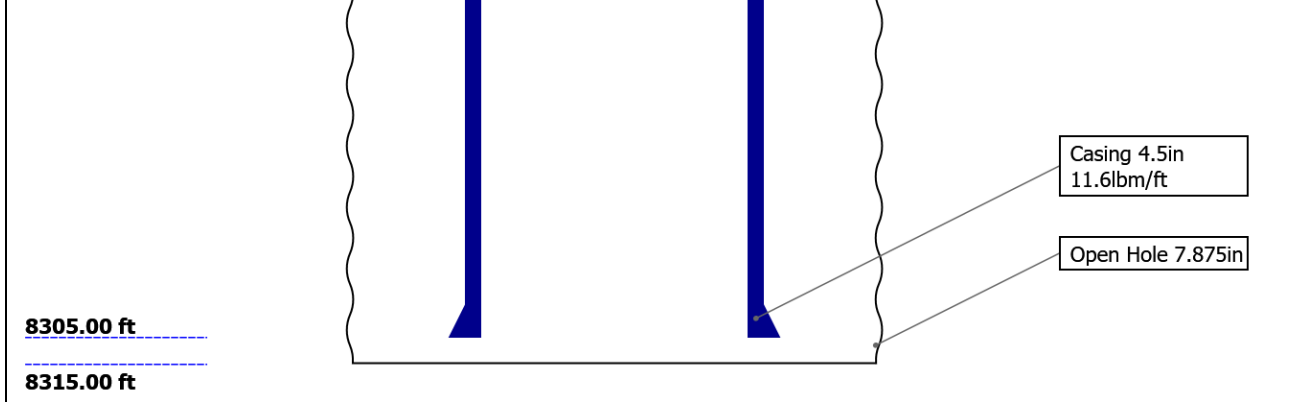
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Well Sketch



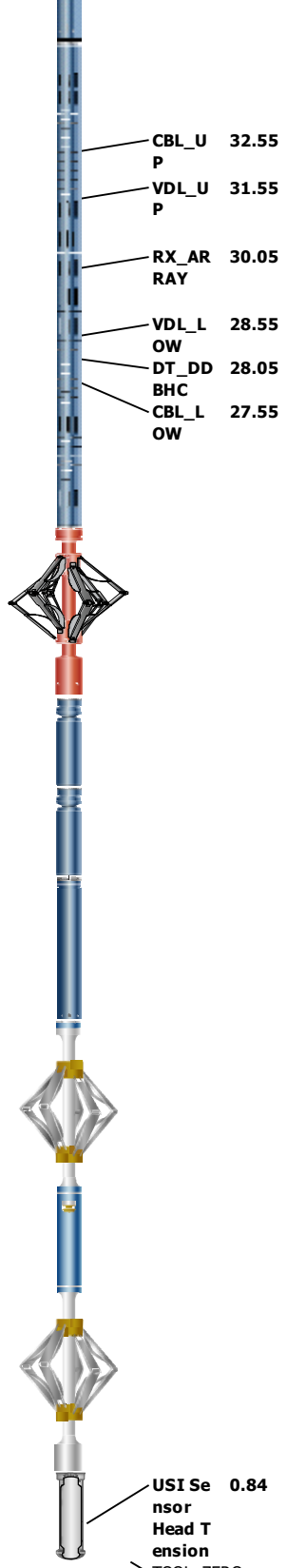


Borehole Size/Casing/Tubing Record

Bit					
Bit Size (in)	12.25	7.875			
Top Driller (ft)	0	735			
Top Logger (ft)	0	735			
Bottom Driller (ft)	735	8315			
Bottom Logger (ft)	735	8315			
Casing					
Size (in)	8.625	4.5			
Weight (lbm/ft)	24	11.6			
Inner Diameter (in)	8.097	4			
Grade	J55	L80			
Top Driller (ft)	0	0			
Top Logger (ft)	0	0			
Bottom Driller (ft)	725	8305			
Bottom Logger (ft)	725	8305			

Remarks and Equipment Summary

ONE: Toolstring	ONE: Remarks
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>Equip name & length</p> <p>LEH-QT 52.87 LEH-QT</p> <p>EDTC-B: 49.38 9107 EDTH-B: 8014 EDTG-B: 79285 EDTC-B: 9107</p> <p>CME-AF 42.88 [2]:31</p> <p>ASLT-B: 39.08 8073 ASLT-BB :8073</p> </div> <div style="flex: 1;"> </div> </div>	<p>Tool was run as per tool sketch</p>
	<p>All logging intervals as per client request</p>
	<p>Repeat Pass logged with 0 PSI applied surface pressure</p>
	<p>Main Pass logged with 500 psi applied surface pressure</p>
	<p>Cement: HAL Tuned Light Cement 10 #</p>



Lengths are in ft
 Maximum Outer Diameter = 3.800 in
 Line: Sensor Location, Value: Gating Offset
 All measurements are relative to TOOL_ZERO

Depth Summary

	ONE		
Depth Measuring Device			
Type	IDW-B		
Serial Number			
Calibration Date			
Calibrator Serial Number			

Calibration Cable Type			
Wheel Correction 1	0		
Wheel Correction 2	0		

Tension Device			
Type	CMTD-B/A		
Serial Number			
Calibration Date			
Calibrator Serial Number			
Number of Calibration Points	0		

Logging Cable			
Type	7-46ZVI-XS		
Serial Number	SHOP		
Length	24000.00 ft		
Conveyance Type	Wireline		
Rig Type			

ONE:Depth Control Parameters		Depth Control Remarks	
Log Sequence	First Log In the Well	Schlumberger depth control procedures followed	
Rig Up Length At Surface		IDW used as primary depth control system	
Rig Up Length At Bottom		Z-Chart used as secondary depth control system	
Rig Up Length Correction			
Stretch Correction			
Tool Zero Check At Surface			

Survey Record

Survey Calculation			
Method :	Minimum Radius of Curvature	DLS Method :	Lubinski
North Reference :	True North	Total Correction Formula :	Magnetic Dec

Rig Location			
Latitude :	40.208240 degrees	Longitude :	-104.71228 degrees
Tie In Point			
Measured Depth:	0.00 ft	Inclination:	0.00 deg
True Vertical Depth:	0.00 ft	North Displacement:	0.00 ft
		Azimuth:	0.00 deg
		East Displacement:	0.00 ft

Survey Quality Index	
9 : Manual	28 : Tie-In Point

Survey Correction Index	
0 : No correction	

Survey Description Index	
0 : Not Flagged Survey	

Seq	MD (ft)	Incl (deg)	Azim (deg)	Course (ft)	TVD (ft)	V Sec (ft)	N/ -S (ft)	E/ -W (ft)	Closure (ft)	at Azim (deg)	DLS deg/100ft	Tool Type	QI	CI	DI
1	0.00	0.00	0.00	----	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP	28	0	0
2	725.00	2.20	153.40	725.00	724.82	-12.44	-12.44	6.23	13.91	153.40	0.30	Other	9	0	0
3	788.00	0.90	102.90	63.00	787.80	-13.64	-13.64	7.26	15.45	151.98	2.81	Other	9	0	0
4	882.00	0.70	40.00	94.00	881.79	-13.36	-13.36	8.34	15.75	148.01	0.91	Other	9	0	0
5	976.00	1.80	283.20	94.00	975.78	-12.58	-12.58	7.28	14.53	149.96	2.35	Other	9	0	0
6	1070.00	3.00	276.90	94.00	1069.69	-11.95	-11.95	3.40	12.43	164.14	1.31	Other	9	0	0
7	1164.00	4.90	255.60	94.00	1163.47	-12.65	-12.65	-2.93	12.99	193.06	2.52	Other	9	0	0
8	1258.00	6.10	234.70	94.00	1257.05	-16.54	-16.54	-10.90	19.82	213.39	2.46	Other	9	0	0
9	1352.00	8.00	216.70	94.00	1350.34	-24.67	-24.67	-18.89	31.07	217.44	3.08	Other	9	0	0

10	1446.00	10.00	205.90	94.00	1443.19	-37.26	-37.26	-26.36	45.64	215.28	2.78	Other	9	0	0
11	1540.00	10.80	203.50	94.00	1535.64	-52.68	-52.68	-33.44	62.40	212.41	0.97	Other	9	0	0
12	1634.00	12.50	194.50	94.00	1627.71	-70.61	-70.61	-39.50	80.91	209.22	2.64	Other	9	0	0
13	1727.00	14.30	187.90	93.00	1718.18	-91.73	-91.73	-43.60	101.57	205.42	2.54	Other	9	0	0
14	1821.00	15.10	180.60	94.00	1809.11	-115.47	-115.47	-45.32	124.05	201.43	2.14	Other	9	0	0
15	1915.00	16.90	173.50	94.00	1899.47	-141.30	-141.30	-43.90	147.97	197.26	2.83	Other	9	0	0
16	2009.00	18.80	167.60	94.00	1988.95	-169.67	-169.67	-39.10	174.11	192.98	2.79	Other	9	0	0
17	2103.00	18.90	164.70	94.00	2077.91	-199.15	-199.15	-31.83	201.67	189.08	1.00	Other	9	0	0
18	2196.00	20.80	166.10	93.00	2165.38	-229.71	-229.71	-23.89	230.94	185.94	2.11	Other	9	0	0
19	2290.00	22.50	165.10	94.00	2252.75	-263.29	-263.29	-15.26	263.75	183.32	1.85	Other	9	0	0
20	2384.00	24.10	163.60	94.00	2339.08	-299.09	-299.09	-5.21	299.15	181.00	1.82	Other	9	0	0
21	2478.00	23.90	167.10	94.00	2424.96	-336.06	-336.06	4.46	336.09	179.24	1.53	Other	9	0	0
22	2572.00	23.30	169.50	94.00	2511.10	-372.90	-372.90	12.10	373.10	178.14	1.20	Other	9	0	0
23	2666.00	23.10	167.20	94.00	2597.50	-409.17	-409.17	19.57	409.65	177.26	0.99	Other	9	0	0
24	2760.00	22.20	162.20	94.00	2684.26	-444.06	-444.06	29.08	445.01	176.25	2.26	Other	9	0	0
25	2854.00	23.60	157.40	94.00	2770.85	-478.34	-478.34	41.75	480.15	175.01	2.48	Other	9	0	0
26	2948.00	25.70	158.60	94.00	2856.28	-514.70	-514.70	56.42	517.78	173.74	2.30	Other	9	0	0
27	3042.00	25.90	157.70	94.00	2940.91	-552.67	-552.67	71.64	557.28	172.61	0.47	Other	9	0	0
28	3136.00	26.40	157.80	94.00	3025.29	-591.01	-591.01	87.33	597.44	171.59	0.53	Other	9	0	0
29	3230.00	27.10	162.10	94.00	3109.24	-630.74	-630.74	101.81	638.91	170.83	2.19	Other	9	0	0
30	3324.00	25.20	159.40	94.00	3193.62	-669.85	-669.85	115.43	679.72	170.22	2.38	Other	9	0	0
31	3417.00	24.70	159.00	93.00	3277.94	-706.52	-706.52	129.36	718.27	169.62	0.57	Other	9	0	0
32	3511.00	23.80	159.90	94.00	3363.64	-742.67	-742.67	142.92	756.30	169.11	1.04	Other	9	0	0
33	3605.00	22.70	163.70	94.00	3450.01	-777.89	-777.89	154.53	793.08	168.76	1.98	Other	9	0	0
34	3699.00	21.20	164.40	94.00	3537.20	-811.67	-811.67	164.19	828.12	168.56	1.62	Other	9	0	0
35	3793.00	22.20	162.10	94.00	3624.53	-844.95	-844.95	174.22	862.73	168.35	1.40	Other	9	0	0
36	3887.00	22.40	164.80	94.00	3711.51	-879.13	-879.13	184.37	898.26	168.16	1.11	Other	9	0	0
37	3981.00	22.20	167.90	94.00	3798.48	-913.78	-913.78	192.79	933.89	168.09	1.27	Other	9	0	0
38	4075.00	21.60	170.10	94.00	3885.70	-948.19	-948.19	199.49	968.93	168.12	1.08	Other	9	0	0
39	4169.00	22.00	168.90	94.00	3972.97	-982.51	-982.51	205.85	1003.84	168.17	0.64	Other	9	0	0
40	4263.00	21.20	171.90	94.00	4060.38	-1016.61	-1016.61	211.64	1038.42	168.24	1.45	Other	9	0	0
41	4357.00	22.30	169.90	94.00	4147.68	-1051.00	-1051.00	217.16	1073.20	168.33	1.41	Other	9	0	0
42	4451.00	21.90	168.60	94.00	4234.78	-1085.74	-1085.74	223.75	1108.56	168.36	0.67	Other	9	0	0
43	4545.00	22.30	167.20	94.00	4321.87	-1120.32	-1120.32	231.17	1143.93	168.34	0.70	Other	9	0	0
44	4639.00	23.60	163.50	94.00	4408.43	-1155.76	-1155.76	240.47	1180.51	168.25	2.07	Other	9	0	0
45	4733.00	22.90	163.00	94.00	4494.80	-1191.29	-1191.29	251.16	1217.49	168.09	0.77	Other	9	0	0
46	4827.00	23.90	163.80	94.00	4581.07	-1227.06	-1227.06	261.82	1254.69	167.96	1.12	Other	9	0	0
47	4921.00	24.10	165.00	94.00	4666.94	-1263.89	-1263.89	272.10	1292.85	167.85	0.56	Other	9	0	0
48	5015.00	22.20	163.00	94.00	4753.37	-1299.41	-1299.41	282.26	1329.72	167.74	2.19	Other	9	0	0
49	5109.00	19.70	162.30	94.00	4841.15	-1331.49	-1331.49	292.27	1363.19	167.62	2.67	Other	9	0	0
50	5203.00	16.80	162.00	94.00	4930.41	-1359.51	-1359.51	301.28	1392.49	167.50	3.09	Other	9	0	0
51	5297.00	14.40	159.90	94.00	5020.94	-1383.41	-1383.41	309.50	1417.62	167.39	2.62	Other	9	0	0
52	5391.00	12.60	155.40	94.00	5112.34	-1403.71	-1403.71	317.79	1439.24	167.24	2.22	Other	9	0	0
53	5485.00	11.50	151.20	94.00	5204.27	-1421.25	-1421.25	326.57	1458.27	167.06	1.50	Other	9	0	0
54	5578.00	10.70	157.40	93.00	5295.54	-1437.34	-1437.34	334.35	1475.72	166.90	1.54	Other	9	0	0
55	5672.00	9.10	154.60	94.00	5388.13	-1452.11	-1452.11	340.90	1491.60	166.79	1.78	Other	9	0	0
56	5766.00	9.10	161.00	94.00	5480.95	-1465.86	-1465.86	346.50	1506.27	166.70	1.08	Other	9	0	0
57	5860.00	8.60	162.10	94.00	5573.83	-1479.57	-1479.57	351.08	1520.67	166.65	0.56	Other	9	0	0
58	5954.00	6.30	174.90	94.00	5667.04	-1491.40	-1491.40	353.70	1532.78	166.66	3.00	Other	9	0	0
59	6048.00	4.70	177.00	94.00	5760.61	-1500.38	-1500.38	354.36	1541.67	166.71	1.72	Other	9	0	0
60	6142.00	5.70	186.50	94.00	5854.22	-1508.87	-1508.87	354.04	1549.84	166.80	1.40	Other	9	0	0
61	6236.00	5.50	199.40	94.00	5947.77	-1517.94	-1517.94	352.60	1558.27	166.92	0.46	Other	9	0	0

62	6290.40	4.80	193.40	54.40	6001.95	-1522.72	-1522.72	351.70	1562.80	166.99	1.38	Other	9	0	0
63	6330.00	4.30	196.20	39.60	6041.43	-1525.75	-1525.75	350.90	1565.58	167.05	1.38	Other	9	0	0
64	6423.00	3.00	202.10	93.00	6134.24	-1531.36	-1531.36	349.01	1570.64	167.16	1.45	Other	9	0	0
65	6517.00	1.60	179.10	94.00	6228.16	-1534.95	-1534.95	348.11	1573.92	167.22	1.76	Other	9	0	0
66	6611.00	1.80	183.10	94.00	6322.12	-1537.73	-1537.73	348.05	1576.64	167.25	0.25	Other	9	0	0
67	6705.00	1.00	165.00	94.00	6416.09	-1540.00	-1540.00	348.18	1578.87	167.26	0.96	Other	9	0	0
68	6799.00	0.70	189.50	94.00	6510.08	-1541.36	-1541.36	348.30	1580.22	167.27	0.49	Other	9	0	0
69	6893.00	0.30	136.70	94.00	6604.08	-1542.11	-1542.11	348.37	1580.97	167.27	0.61	Other	9	0	0
70	6987.00	0.00	192.70	94.00	6698.08	-1542.28	-1542.28	348.54	1581.17	167.27	0.32	Other	9	0	0
71	7081.00	0.40	104.40	94.00	6792.07	-1542.37	-1542.37	348.86	1581.33	167.26	0.43	Other	9	0	0
72	7174.00	0.40	123.40	93.00	6885.07	-1542.63	-1542.63	349.44	1581.69	167.24	0.14	Other	9	0	0
73	7268.00	1.00	124.40	94.00	6979.06	-1543.27	-1543.27	350.39	1582.55	167.21	0.64	Other	9	0	0
74	7362.00	1.10	118.28	94.00	7073.05	-1544.16	-1544.16	351.86	1583.73	167.16	0.16	Other	9	0	0
75	7376.80	1.21	113.51	14.80	7087.85	-1544.29	-1544.29	352.13	1583.92	167.15	0.99	Other	9	0	0
76	7456.00	1.90	98.60	79.20	7167.02	-1544.82	-1544.82	354.20	1584.91	167.09	1.00	Other	9	0	0
77	7550.00	1.80	90.90	94.00	7260.97	-1545.08	-1545.08	357.21	1585.83	166.98	0.28	Other	9	0	0
78	7644.00	1.10	95.00	94.00	7354.94	-1545.18	-1545.18	359.59	1586.48	166.90	0.75	Other	9	0	0
79	7738.00	0.70	5.30	94.00	7448.93	-1544.68	-1544.68	360.54	1586.19	166.86	1.38	Other	9	0	0
80	7832.00	1.00	316.60	94.00	7542.92	-1543.52	-1543.52	360.03	1584.94	166.87	0.80	Other	9	0	0
81	7926.00	1.10	307.40	94.00	7636.90	-1542.37	-1542.37	358.75	1583.53	166.91	0.21	Other	9	0	0
82	8020.00	0.90	298.70	94.00	7730.89	-1541.47	-1541.47	357.39	1582.35	166.95	0.27	Other	9	0	0
83	8144.00	1.00	302.10	124.00	7854.87	-1540.43	-1540.43	355.62	1580.94	167.00	0.09	Other	9	0	0
84	8265.00	1.10	312.10	121.00	7975.85	-1539.09	-1539.09	353.86	1579.23	167.05	0.17	Other	9	0	0
85	8304.00	1.10	312.10	39.00	8014.85	-1538.59	-1538.59	353.30	1578.64	167.07	0.00	Other	9	0	0
86	8315.00	1.10	312.10	11.00	8025.84	-1538.44	-1538.44	353.15	1578.44	167.07	0.00	Other	9	0	0

USIT - Fluid Properties Measurement

Run Name	Pass Name	Start Depth(ft)	Stop Depth(ft)
Run 1	Log[3]:Up	6498.97	3514.32

Fluid Velocity = "Automatic".
CFVL equals DFSL channel

Start Depth(ft)	Stop Depth(ft)	Start Value(us/ft)	End Value(us/ft)
-----------------	----------------	--------------------	------------------

Mud Impedance = "Theoretical".
CZMD uses theoretical results.
MUD_N_THE=1.02
DFD=1.03g/cm3(8.60lbm/gal)

Start Depth(ft)	Stop Depth(ft)	Start Value(Mrayl)	End Value(Mrayl)
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Main Pass

IBC VDL Wide

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
ONE	Log[3]:Up	Up	3514.33 ft	6498.97 ft	09-May-2023 11:37:45 AM	09-May-2023 12:33:02 PM	ON	-2.00 ft	Yes
ONE	Log[4]:Up	Up	47.89 ft	3598.04 ft	09-May-2023 12:36:18 PM	09-May-2023 1:44:18 PM	ON	-2.00 ft	Yes

All depths are referenced to toolstring zero

Log Company:Occidental Petroleum Corporation Well:CAMP H30-29D
Main Pass:S024

Description: USI IBC VDL WIDE Format: Log (IBC VDL WIDE) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 09-May-2023 21:15:20

TIME_1900 - Time Marked every 60.00 (s)

Comms Rev

Gamilla Ray
(ECGR_EDT
C)
EDTC-B[1]

0 gAPI 150

Annulus
Thickness
Average
(UATV)
USIT-E[1]

0 ft 100

Casing
Centering
Percentage
(U-USIT_UC
CP)
USIT-E[1]

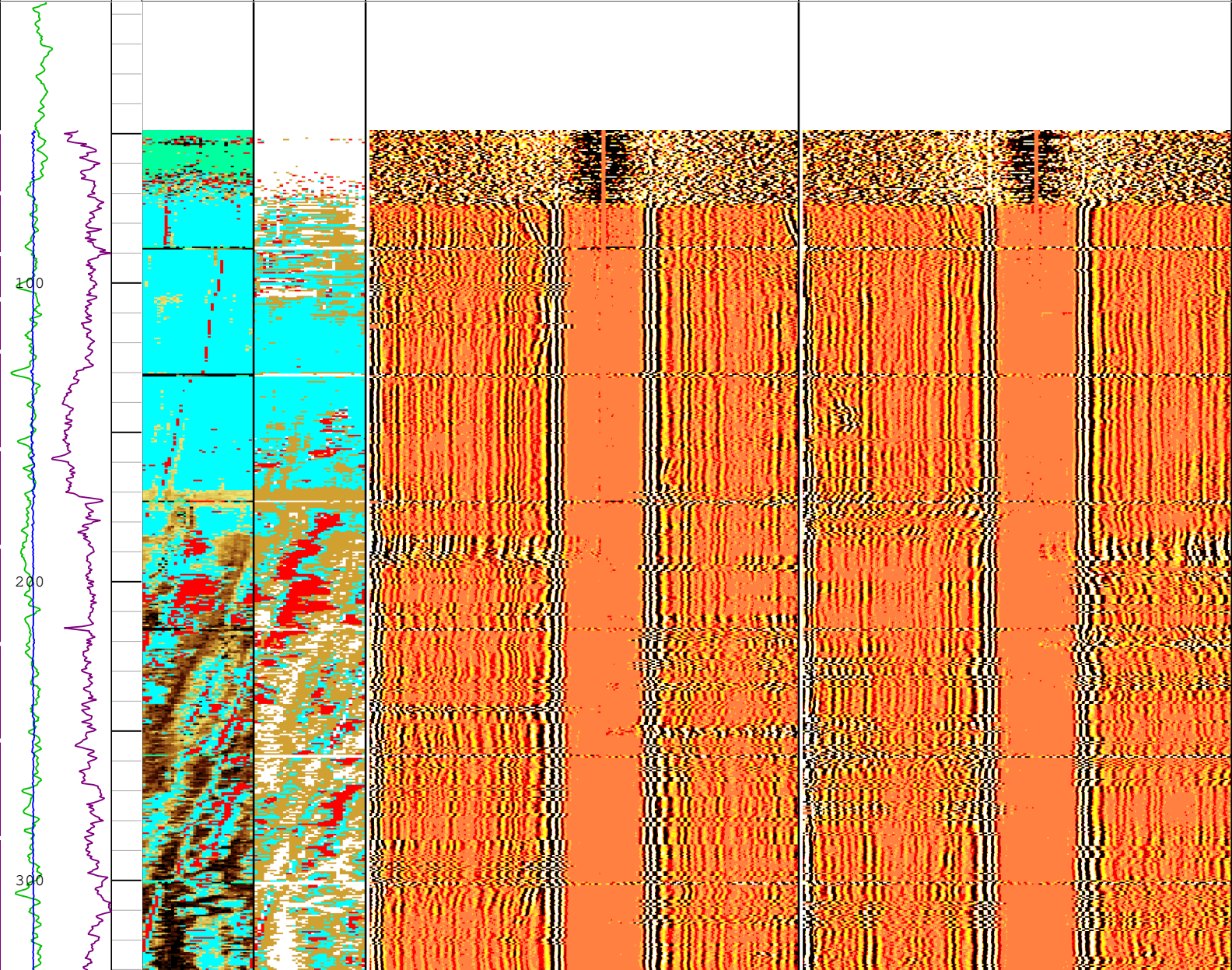
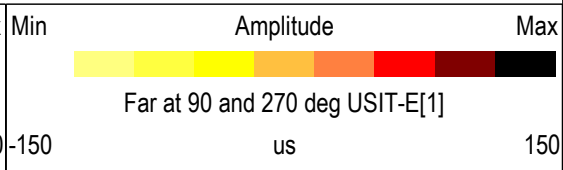
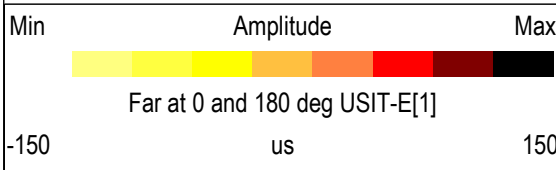
0 % 100

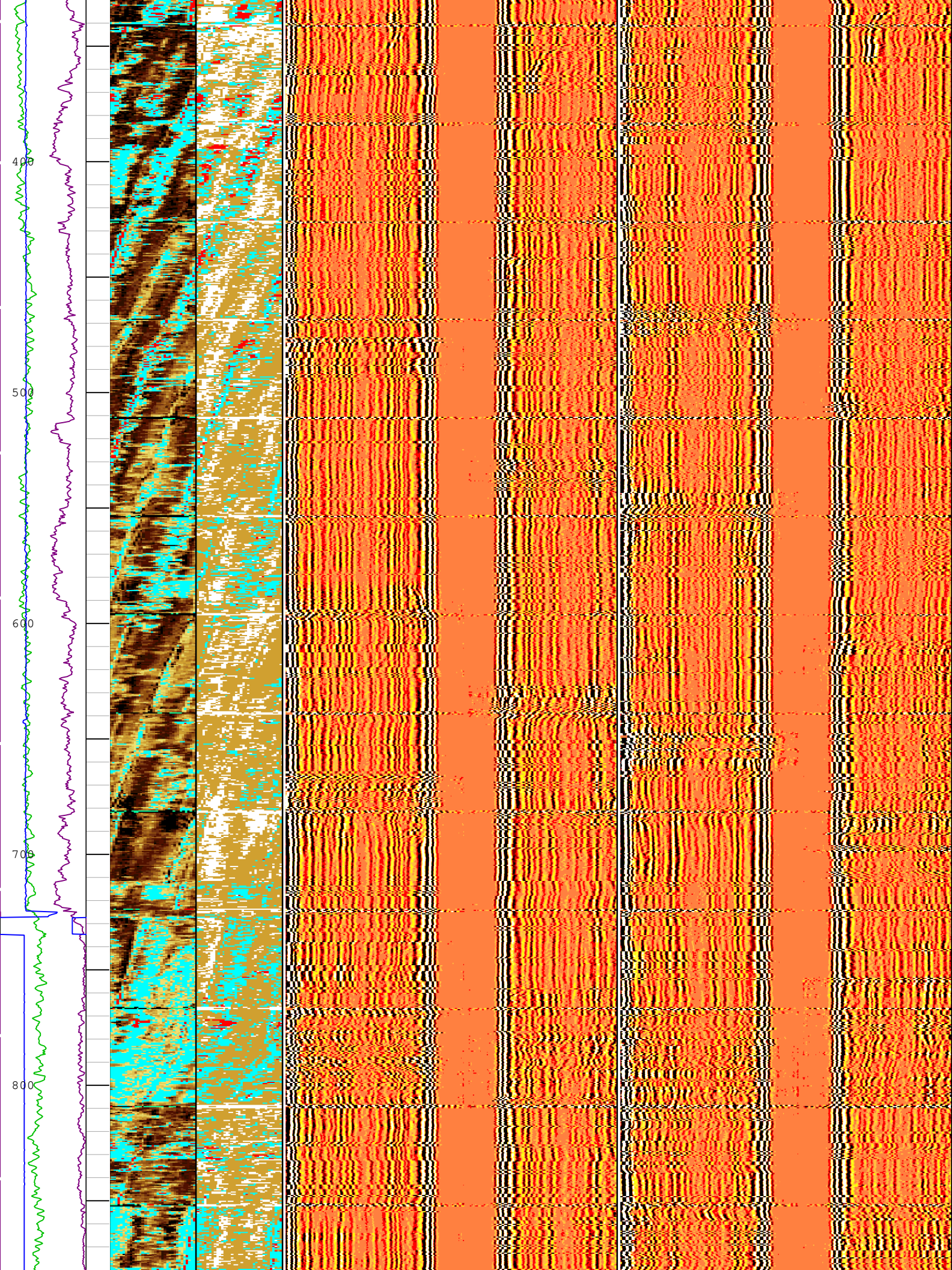
Annulus
Thickness
Average
(UATV)
USIT-E[1]

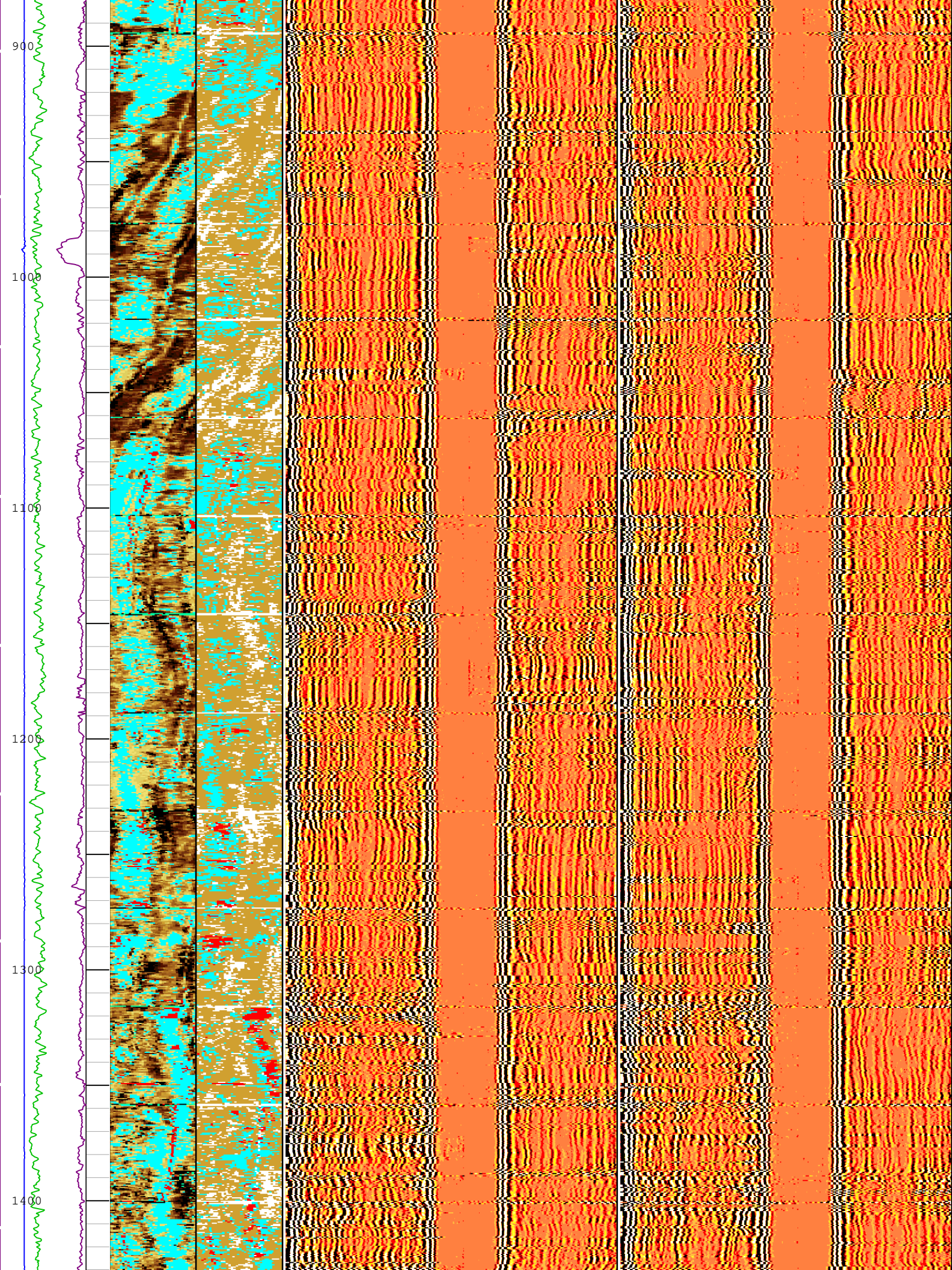
0 ft 0.5

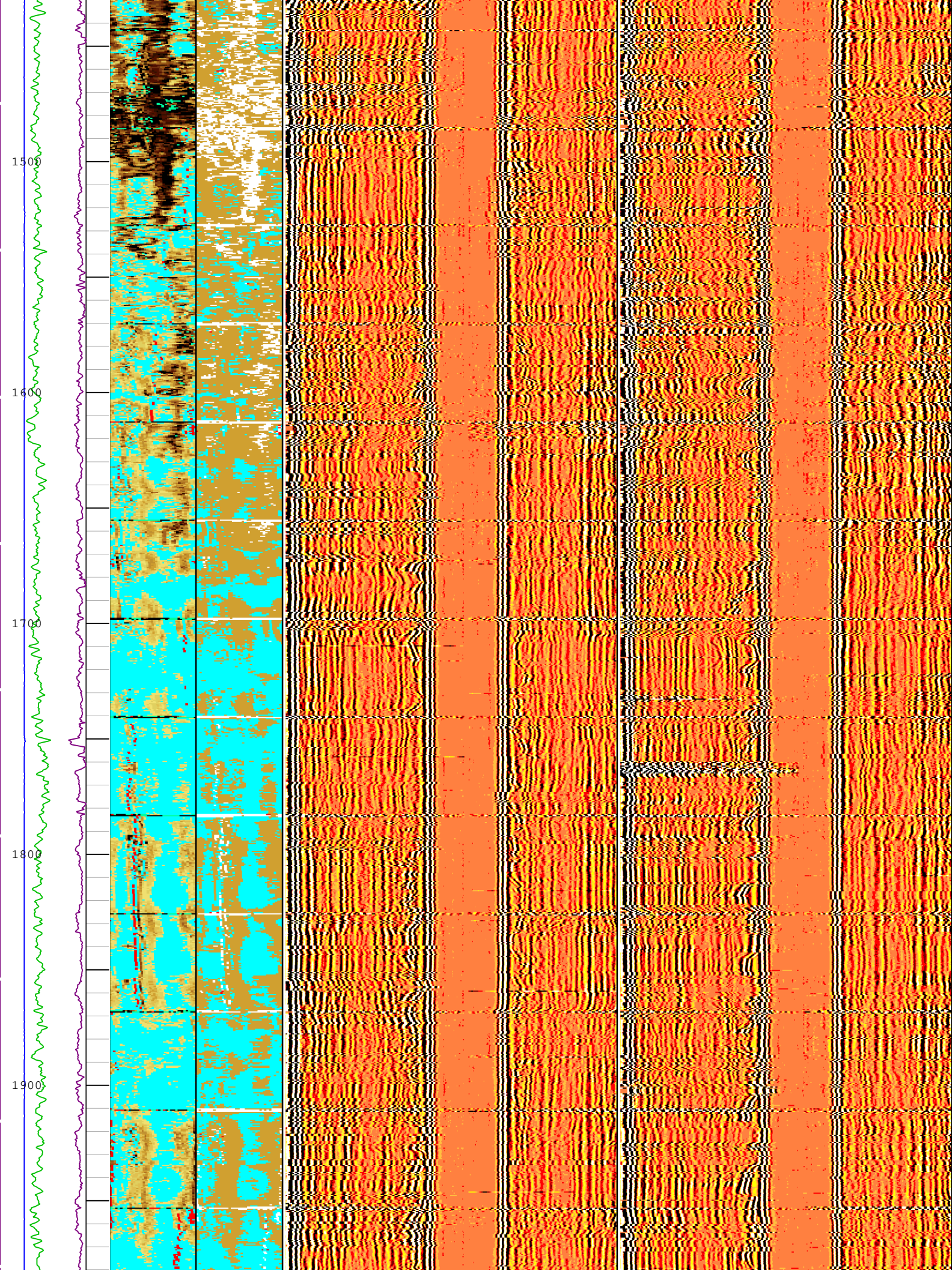
U L B R U
Orientation:
Top of Hole
Absent 3.090 5.054 7.018
Custom
Normalizatio
n
USIT -
Acoustic
Impedance
(AIBK)
USIT-E[1]
(Mrayl)

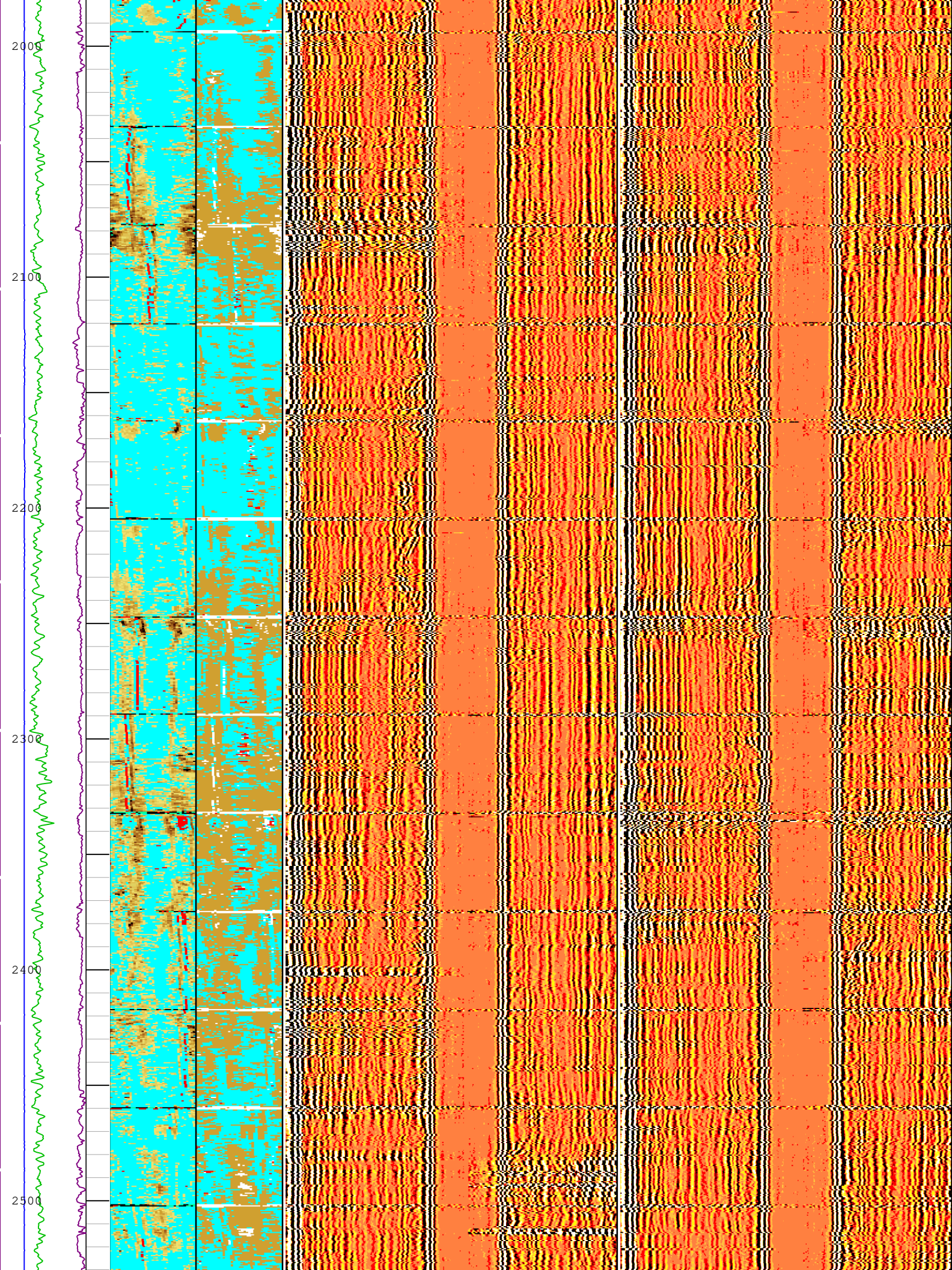
U L B R U
Orientation:
Top of Hole
Absent 1.500 3.500
Explicit
Normalizatio
n
USIT - Solid
Liquid Gas
Sorted Color
Map (USLP)
USIT-E[1]

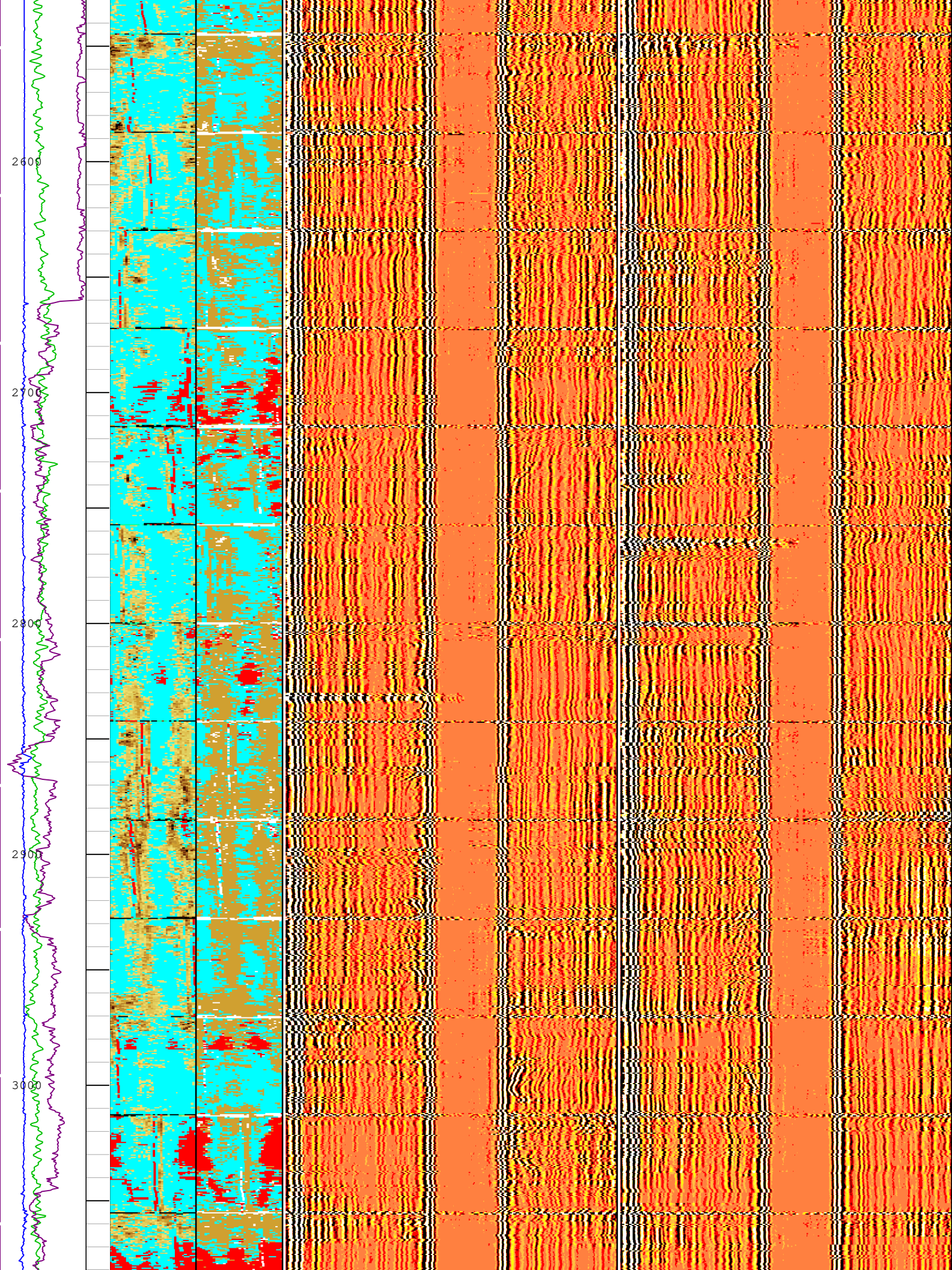


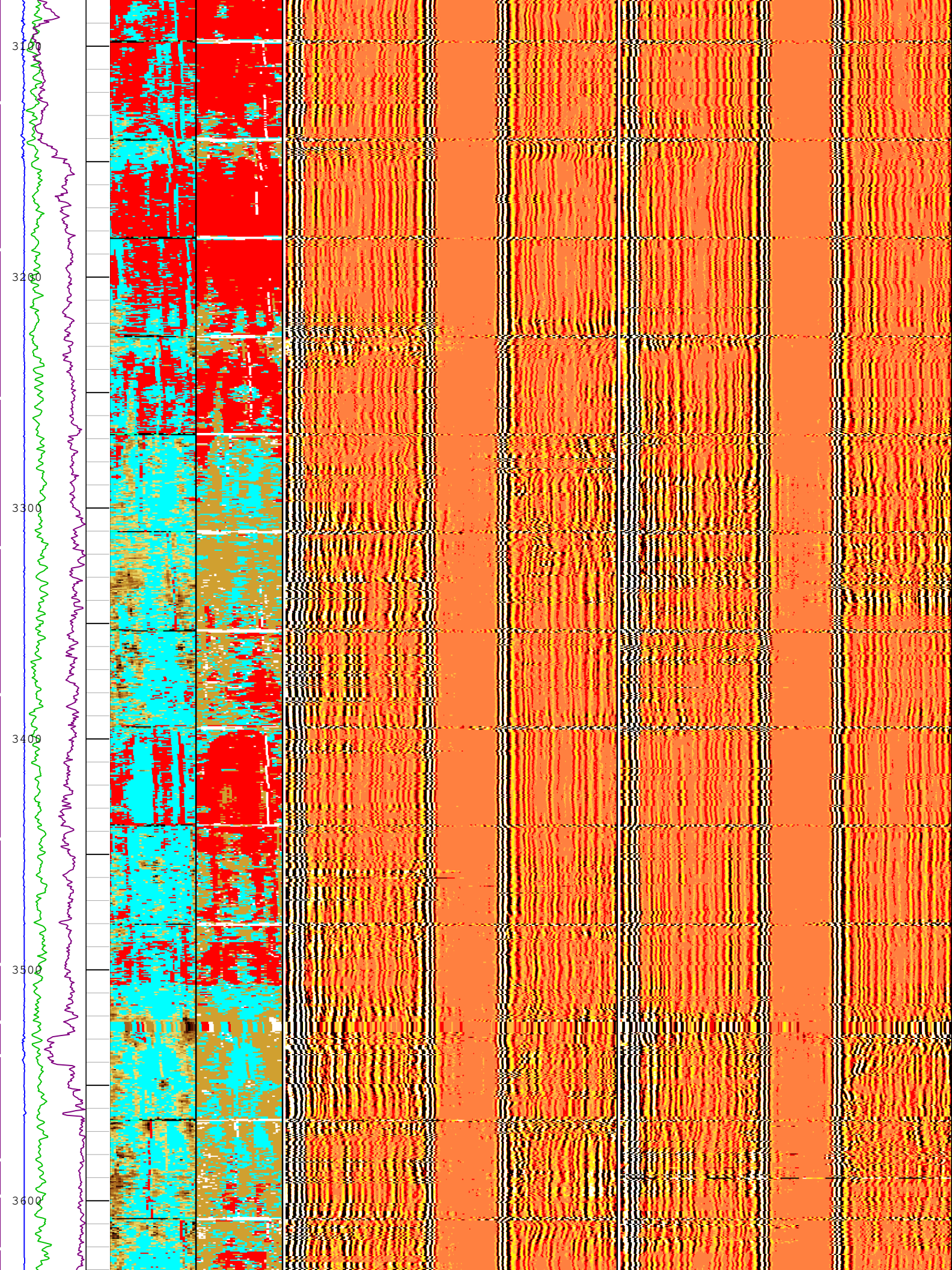


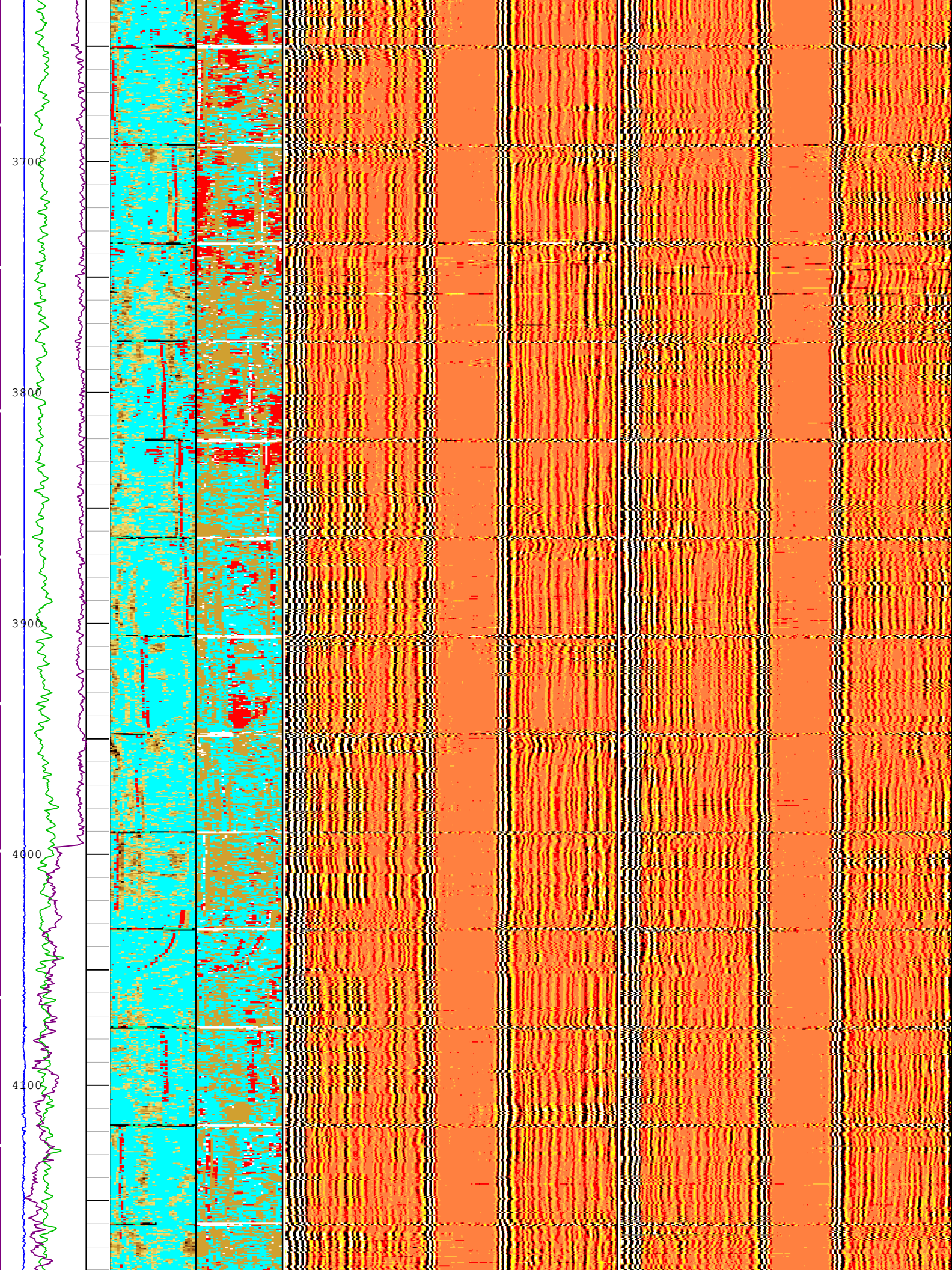


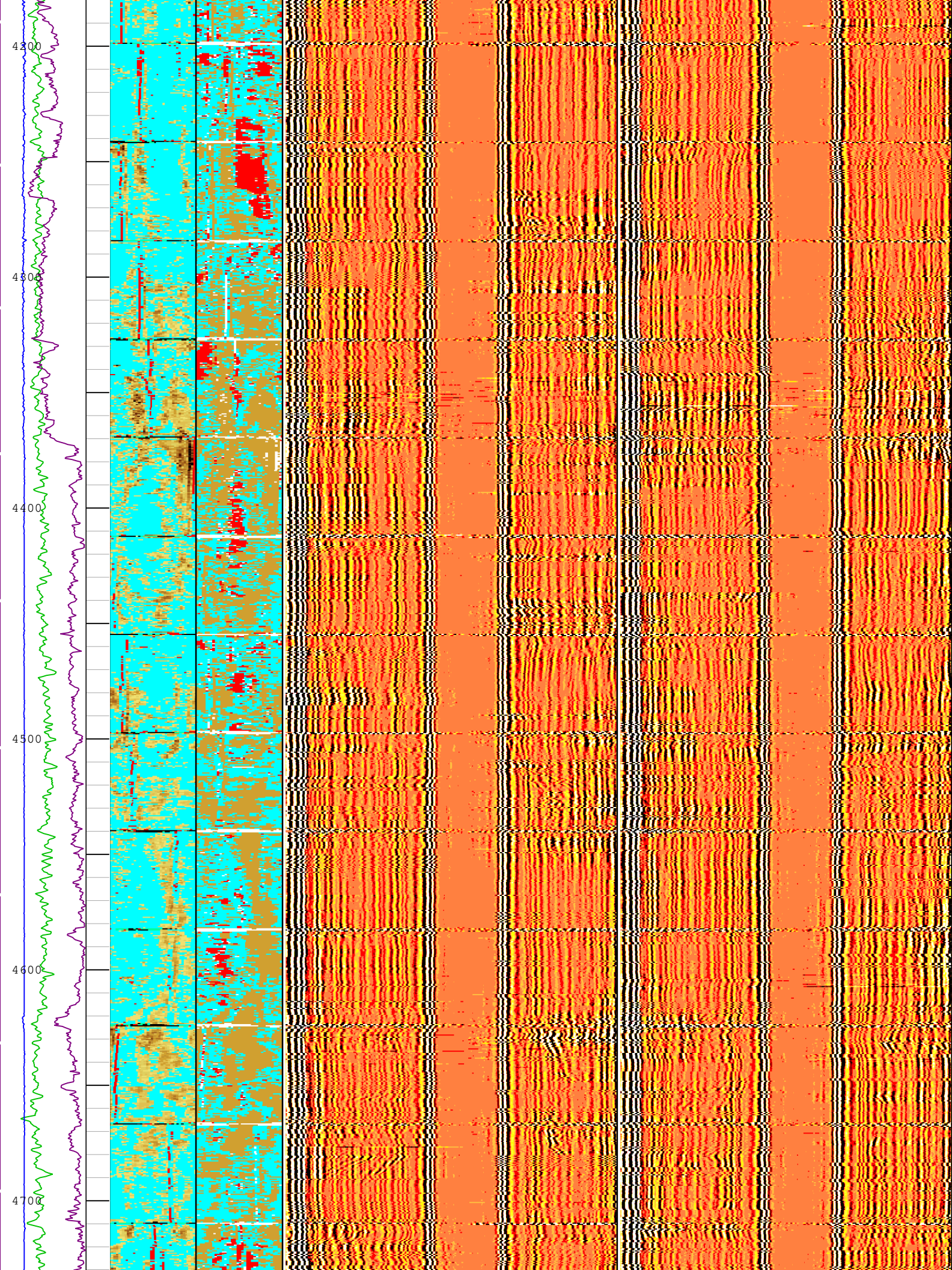


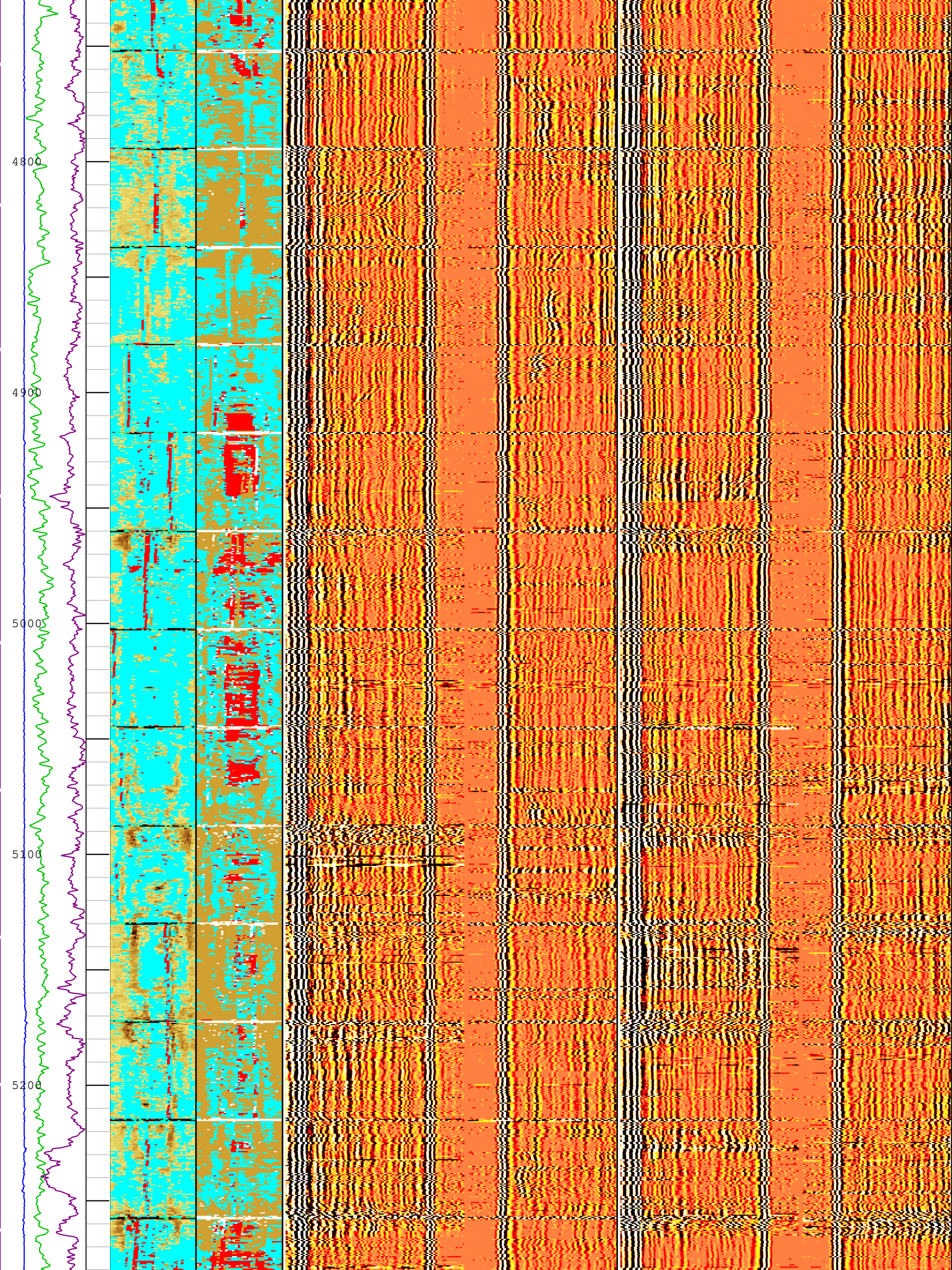


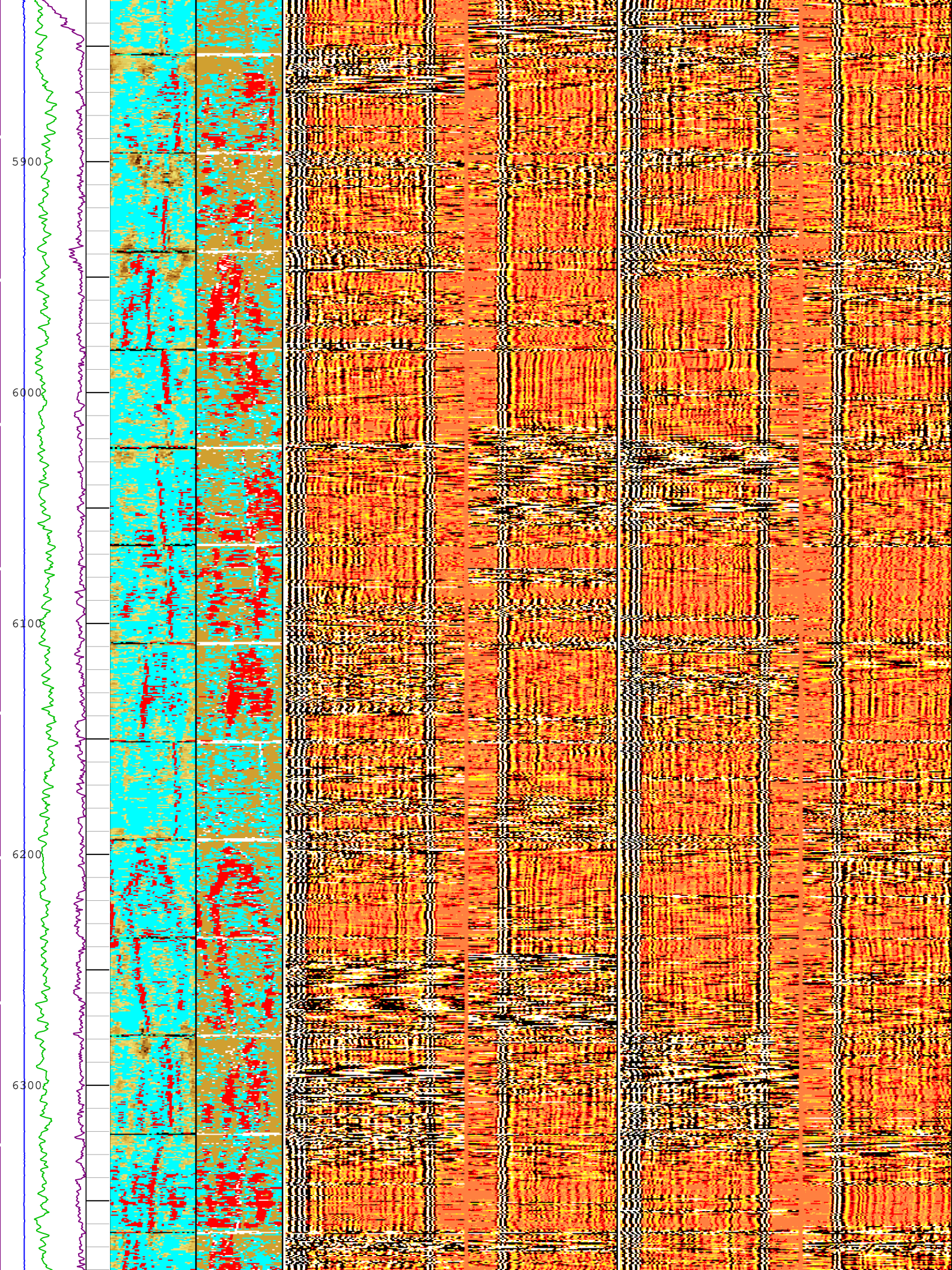


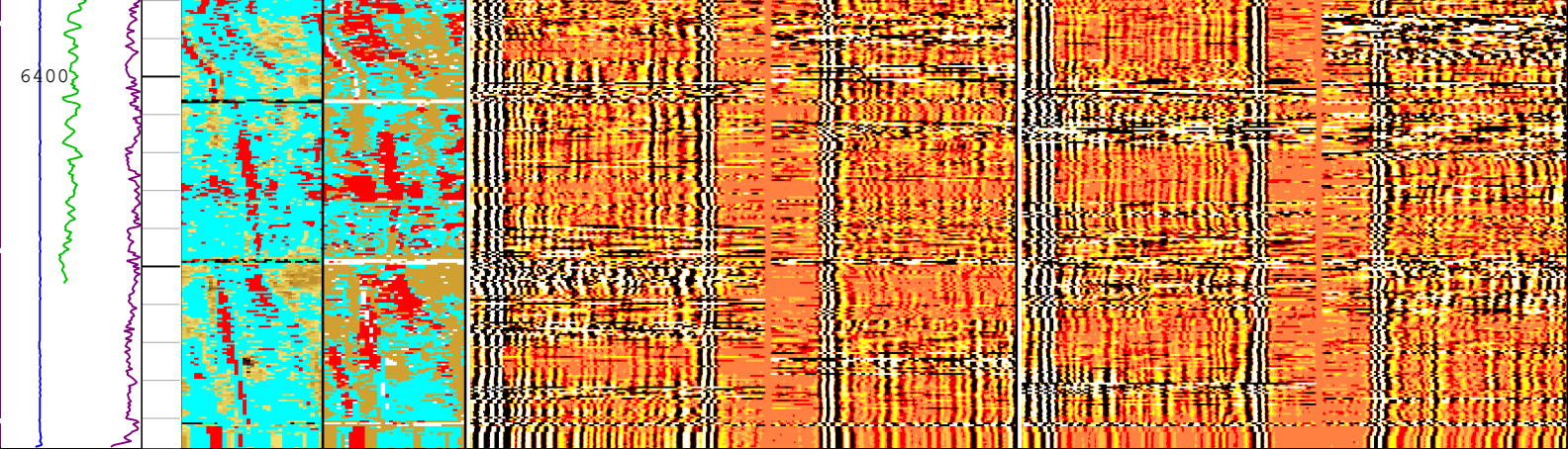












Gamma Ray (ECGR_EDT C) EDTC-B[1] 0 gAPI 150

Annulus Thickness Average (UATV) USIT-E[1] 0 ft 100

Casing Centering Percentage (U-USIT_UC CP) USIT-E[1] 0 % 100

Annulus Thickness Average (UATV) USIT-E[1] 0 ft 0.5

TIME_1900 - Time Marked every 60.00 (s)

Description: USI IBC VDL WIDE Format: Log (IBC VDL WIDE) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 09-May-2023 21:15:20

ONE

IBC VDL Wide

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
ONE	Log[2]:Up	Up	6189.52 ft	6498.04 ft	09-May-2023 11:28:11 AM	09-May-2023 11:33:35 AM	ON	-2.00 ft	Yes

All depths are referenced to toolstring zero

Log Company:Occidental Petroleum Corporation Well:CAMP H30-29D ONE: Log[2]:Up:S024

Description: USI IBC VDL WIDE Format: Log (IBC VDL WIDE) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 09-May-2023 21:15:29

TIME_1900 - Time Marked every 60.00 (s)

Gamma Ray (ECGR_EDT C) EDTC-B

0 gAPI 150

Annulus Thickness Average (UATV) USIT-E

0 ft 100

Casing Centering Percentage (U-USIT_UC CP) USIT-E

0 % 100

Annulus Thickness Average (UATV) USIT-E

0 ft 0.5

U L B R U

Orientation: Top of Hole

Absent 3.090 5.054 7.018

Custom Normalization

USIT - Acoustic Impedance (AIBK) USIT-E (Mrayl)

USIT - Solid Liquid Gas Sorted Color Map (USLP) USIT-E

Min Amplitude Max

Far at 0 and 180 deg USIT-E

-150 us 150

U L B R U

Orientation: Top of Hole

Absent 1.500 3.500

Explicit Normalization

USIT - Solid Liquid Gas Sorted Color Map (USLP) USIT-E

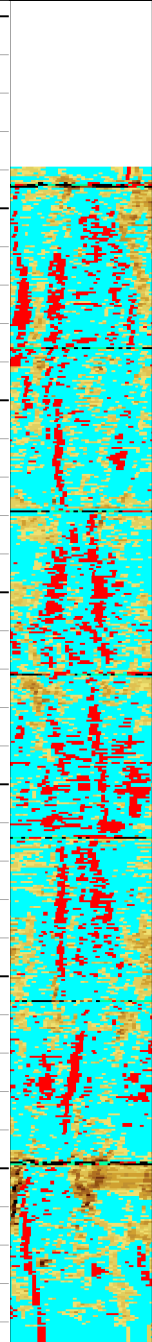
Min Amplitude Max

Far at 90 and 270 deg USIT-E

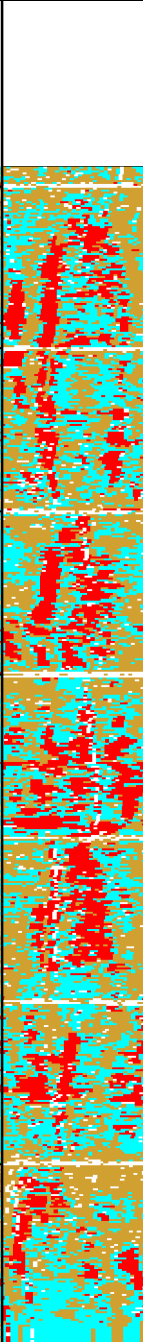
-150 us 150



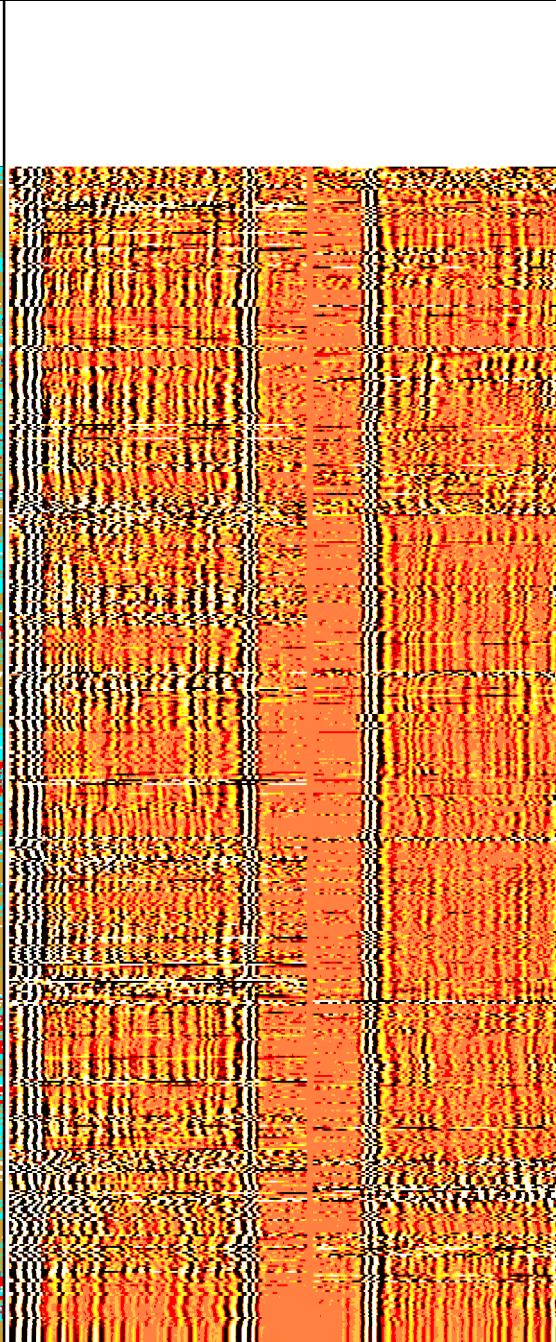
Gamma Ray



sent 090 054 018



sent 500 500



Min Amplitude Max



Min Amplitude Max

(ECGR_EDT C) EDTC-B
 0 gAPI 150
 Annulus Thickness Average (UATV) USIT-E
 0 ft 100
 Casing Centering Percentage (U-USIT_UC CP) USIT-E
 0 % 100
 Annulus Thickness Average (UATV) USIT-E
 0 ft 0.5

Custom Normalization
 USIT - Acoustic Impedance (AIBK) USIT-E (Mrayl)
 Orientation: Top of Hole U L B R U

Explicit Normalization
 USIT - Solid Liquid Gas Sorted Color Map (USLP) USIT-E
 Orientation: Top of Hole U L B R U

Far at 0 and 180 deg USIT-E
 -150 us 150

Far at 90 and 270 deg USIT-E
 -150 us 150

TIME_1900 - Time Marked every 60.00 (s)

Description: USI IBC VDL WIDE Format: Log (IBC VDL WIDE) Index Scale: 2 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 09-May-2023 21:15:29

Calibration Report

ASLT-B (Array Sonic Logging Tool - B) Calibration - Run ONE

Primary Equipment :
 Array Sonic Logging Tool - BB ASLT-BB 8073

CBL Amplitude Normalization - CBL Accumulations

Master (Measured): 15:12:55 04-Mar-2019 Expired by 1161 days

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Sonic Amplitude Upper Transmitter - Receiver 5 (SA_U5)		Master	3145.0	2040.0	3066.1	4250.0	
Sonic Raw Amplitude Upper Transmitter - Receiver 1 (RA_U1)	mV	Master	187.500	123.000	214.701	248.000	
Sonic Amplitude Lower Transmitter - Receiver 1 (SA_L1)		Master	3145.0	2040.0	3605.9	4250.0	
Sonic Raw Amplitude Lower Transmitter - Receiver 5 (RA_L5)	mV	Master	187.500	123.000	192.737	248.000	

CBL Amplitude Normalization - CBL/VDL Coefficients

Master (Measured): 15:12:55 04-Mar-2019 Expired by 1161 days

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
CBL Correction Factor for Upper Transmitter (CBCF_UT)		Master	0.500	----	0.540	----	
CBL Correction Factor for Lower Transmitter (CBCF_LT)		Master	0.500	----	0.602	----	
VDL Ratio between UT and LT for CBLB Mode (VDR)		Master	1.000	----	0.850	----	

CBL Amplitude Free Pipe Adjustment - Free Pipe Measurements

Before (Manual Entry): 15:21:16 09-May-2023

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
CBL Amplitude (CBLF) - 0	mV	Before	----	----	----	----	
CBL Reference Amplitude (CBRA) - 0	mV	Before	----	----	----	----	
Measurement Depth (DEPTH) - 0	ft	Before	----	----	----	----	

CBL Amplitude Free Pipe Adjustment - CBL Amplitude Coefficients

Before (Manual Entry): 15:21:16 09-May-2023

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
CBL Adjustment Factor		Before	1.000	0.300	1.200	3.000	

(CBL_ADJUST_FACTOR)								
Depth of Before Calibration (BDEP)	ft	Before	----	----	502.82	----		

EDTC-B (Enhanced Digital Telemetry Cartridge - Version B) Calibration - Run ONE

Primary Equipment :							
EDTC-B		EDTC-B			9107		
Calibration Parameter :							
Plus Reference (Jig minus background reference)				160			

EDTC-B Accelerometer Calibration - EDTC-B Accelerometer Calibration

Before (Measured): 09:57:06 09-May-2023							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	ft/s2	Before	32.19	31.53	31.58	32.84	

EDTC-B Memory Data - EDTC-B Memory Data

Master (EEPROM): 09:56:35 09-May-2023							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Initial PMT HV	V	Master	----	----	1461.000	----	
Accelerometer Serial Number		Master	----	----	395	----	
Accelerometer Coefficients - 0		Master	----	----	2.938E+000	----	
Accelerometer Coefficients - 1		Master	----	----	2.806E-004	----	
Accelerometer Coefficients - 2		Master	----	----	3.088E-009	----	
Accelerometer Coefficients - 3		Master	----	----	-7.187E-008	----	
Accelerometer Coefficients - 4		Master	----	----	1.757E-009	----	
Accelerometer Coefficients - 5		Master	----	----	-1.343E-011	----	
Accelerometer Coefficients - 6		Master	----	----	3.462E-014	----	
Accelerometer Coefficients - 7		Master	----	----	-5.478E-003	----	
Accelerometer Coefficients - 8		Master	----	----	5.778E-005	----	
Accelerometer Coefficients - 9		Master	----	----	-8.798E-008	----	
Accelerometer Coefficients - 10		Master	----	----	7.874E-010	----	
Accelerometer Coefficients - 11		Master	----	----	-3.296E-012	----	
Gamma-Ray Detector Serial Number		Master	----	----	7215	----	

EDTC-B Gamma-Ray Calibration - Gamma Ray Coefficients

Before:				After:			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Gain		Before	1.000	0.900	NOT DONE	1.100	
		After	----	----	----	----	
		After-Before	----	----	----	----	

EDTC-B Gamma-Ray Calibration - Gamma Ray Accumulations

Before:				After:			
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement - 0	gAPI	Before	----	----	----	----	
		After	----	----	----	----	
		After-Before	----	----	----	----	
RGR Plus Measurement	gAPI	Before	----	----	NOT DONE	----	
		After	----	----	NOT DONE	----	
		After-Before	----	----	----	----	

LEH-QT (Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor) Calibration - Run ONE

Primary Equipment :							
Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor				LEH-QT			


HTEN Master Calibration - HTEN Master Calibration

Master:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
HTEN Shop Gain		Master	1.000	0.800	NOT DONE	4.500	
HTEN Shop Offset	lbf	Master	0	-1000.000	NOT DONE	1000.000	

HTEN Before Calibration - HTEN Before Calibration

HTEN Before Calibration - HTEN Before Calibration

Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RHTE Zero Measurement - 0	lbf	Before	----	----	----	----	
RHTE Plus Measurement - 0	lbf	Before	----	----	----	----	
HTEN Gain - 0		Before	----	----	----	----	
HTEN Offset - 0	lbf	Before	----	----	----	----	

<p>Company: Occidental Petroleum Corporation</p> <p>Well: CAMP H30-29D</p> <p>Field: WATTENBURG</p> <p>County: WELD</p> <p>State: COLORADO</p>	
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Isolation Scanner
 VDL WIDE
 Gamma Ray - CCL Log