



A Schlumberger Company

GAMMA-RAY
AZIMUTHAL DENSITY
MEMORY LOG

1 : 200
METERS MD

COMPANY : ORIGIN ENERGY LTD
WELL : AMUNGEE NW-1H
FIELD : BEETALOO NORTH
COUNTY :
STATE : NT
COUNTRY : AUSTRALIA
API No. :

COMPANY : ORIGIN ENERGY LTD
WELL : AMUNGEE NW-1H
FIELD : BEETALOO NORTH
COUNTY :
STATE : NT
COUNTRY : AUSTRALIA
API WELL No.:

WELL LOCATION
LAT : 16° 20' 51.034" S
LONG: 133° 53' 4.403" E
SEC: TWP: RANGE:

OTHER SERVICES

DIRECTIONAL
ROP
TEMPERATURE
PRESSURE
RESISTIVITY

DEPTH REF. : ROTARY TABLE
ELEVATION : 5.35 m (ROTARY TABLE - GROUND LEVEL)
ALTITUDE : 260.562 m (GROUND LEVEL - MEAN SEA LEVEL)

BOREHOLE RECORD

DEVIATION RECORD

HOLE SIZE in	FROM m	TO m	INCLINATION deg	FROM m	TO m
18 1/2	18	139	0-1	0	1920
14 3/4	139	284	1-91	1920	2832
9 7/8	284	1436	91	2832	3595
6 3/4	1436	3808	91-96	3595	3675
			96-92	3675	3808

CASING RECORD

CASING SIZE in	FROM m	TO m		
16	0	118		
10 3/4	0	281		
7 5/8	0	1432		

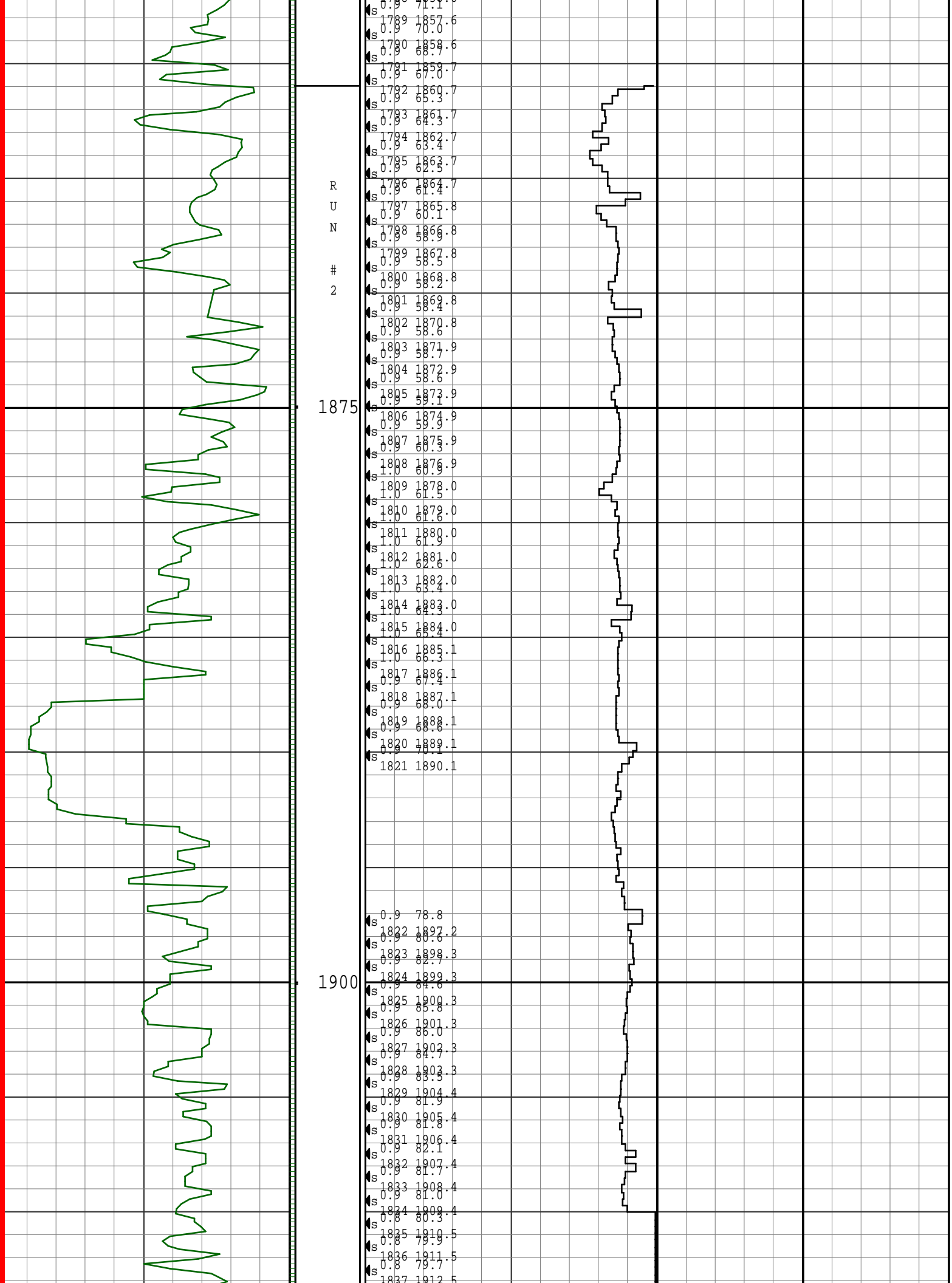
DRILLING Co.: SAXON
RIG : 185
LMD UNIT No.: SYS0250 DISTRICT : ROMA
SPUD DATE : 24-OCT015
LMD START DATE : 23-OCT-15 DEPTH : 1885 m
LMD END DATE : 15-NOV-15 DEPTH : 3808 m
TOTAL DEPTH : 3808 m

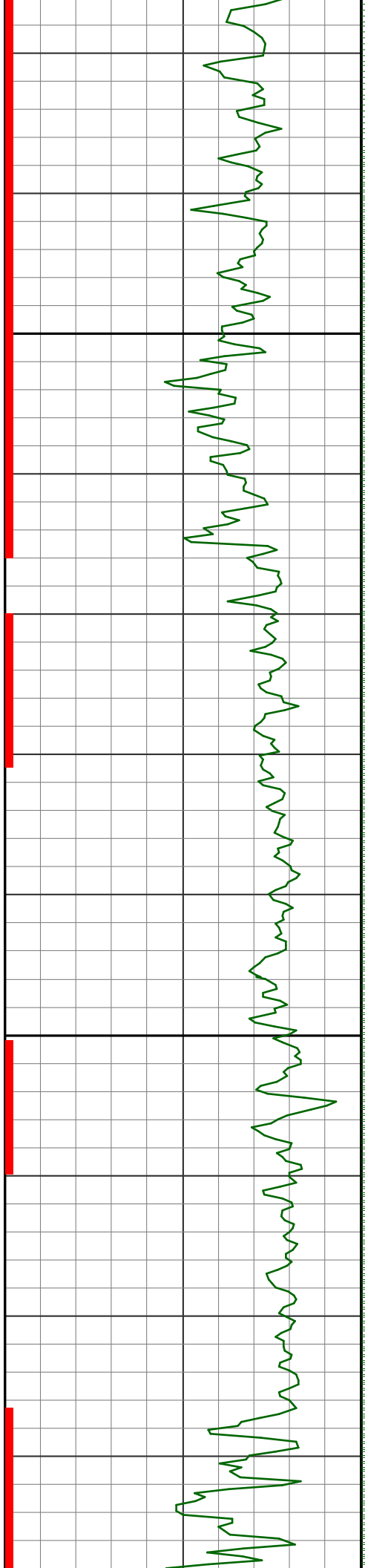
RUN DATA

RUN NUMBER	RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	
START DATE	23-OCT-15	25-OCT-15	27-OCT-15	29-OCT-15	07-NOV-15	
START TIME	18:15	12:30	12:00	02:00	06:30	
END DATE	24-OCT-15	27-OCT-15	29-OCT-15	06-NOV-15	15-NOV-15	
END TIME	17:30	12:00	01:30	11:00	06:30	
DEPTH IN m	1885	1870	1926	1932	2798	
DEPTH OUT m	2016	1926	1932	2798	3808	
LOG TOP m	1870	1855	1911	1917	2784	
LOG BOTTOM m	2001	1911	1917	2784	2428	
HOLE SIZE in	6 3/4	6 3/4	6 3/4	6 3/4	6 3/4	
MUD DATA @ m	2000	1913	1932	2796	3604	
MUD TYPE	WATER BASED	WATER BASED	WATER BASED	WATER BASED	WATER BASED	
DENSITY lb/gal	9.65	9.65	9.60	10.50	10.50	
VISCOSITY s/qt	44	44	44	49	46	
pH		9.5	9.5	9.5	9.5	
FLUID LOSS cm3/30				5.2	5.0	
SALINITY ppm				165000	159000	
Rm ohmm @ deg C	@	@	@	@	0.139 @ 25	
Rmf ohmm @ deg C	@	@	@	@	0.085 @ 22	

REMARKS
ORIGIN ENERGY RESOURCES Ltd
PATHFINDER - A SCHLUMBERGER COMPANY. JOB#: 15AUS0152
ALL LOGGING DATA IS MEMORY ONLY UNLESS STATED OTHERWISE.
ALL REFERENCES TO LOG TOP, LOG BOTTOM OR LOGGING DEPTH REFER TO GAMMA-RAY SENSOR DEPTH UNLESS STATED OTHERWISE. SENSOR OFFSETS ARE SHOWN IN THE BHA REPORT IN THE LOG TRAILER.
ALL ANNOTATIONS IN THE DEPTH TRACK ARE REFERENCED TO BIT DEPTH.
RUN #1: 4 3/4" HDS1-L / GAMMA-RAY LOGGING RUN.
RUN #2: 4 3/4" HDS1-L / GAMMA-RAY LOGGING RUN.
RUN #3: 4 3/4" HDS1-L / GAMMA-RAY LOGGING RUN.
RUN #4: 4 3/4" HDS1-L / SPECTRAL GAMMA-RAY LOGGING RUN.
RUN #5: 4 3/4" HDS1-L / SPECTRAL GAMMA-RAY / IMAGE / DPM / RESISTIVITY LOGGING RUN.
REMARK #1: GAMMA-RAY HAS NOT BEEN ENVIRONMENTALLY CORRECTED FOR BOREHOLE.
REMARK #2: AMUNGEE NW-1H DEPARTS ORIGINAL WELLBORE AT 1932.0m MD(1931.9m TVD) OFF CEMENT PLUG IN OPEN HOLE
NOTICE - All interpretations are opinions based on inferences from electrical or other measurements and we do not guarantee the accuracy or correctness of any interpretations. We shall not, except in the case of gross or willful negligence on our part, be liable or responsible for loss, costs, damages or expenses incurred or sustained by anyone as a result of any interpretations made by one of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions as set out in our current Price Schedule.
PATHFINDER - A Schlumberger Company

[illegible]





R
U
N

2

1925

R
U
N

3

R
U
N

4

1950

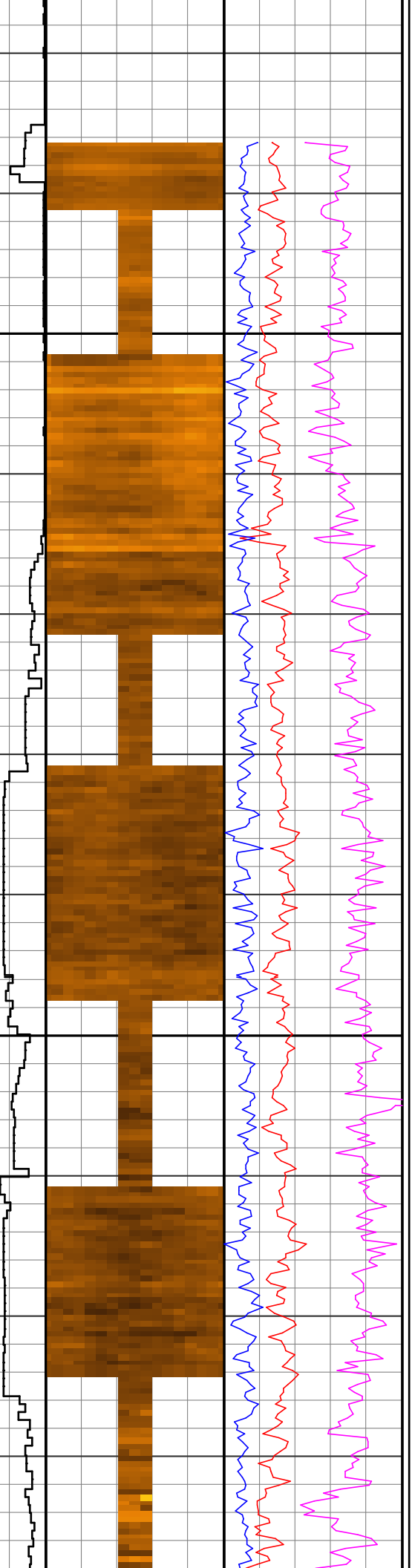
0.9 80.9
s 1838 1913.5
0.9 83.3
s 1839 1914.5
0.9 82.8
s 1840 1915.5
0.9 81.3
s 1841 1916.5
0.9 80.3
s 1842 1917.6
1.0 79.6
s 1843 1918.6
1.0 78.9
s 1844 1919.6

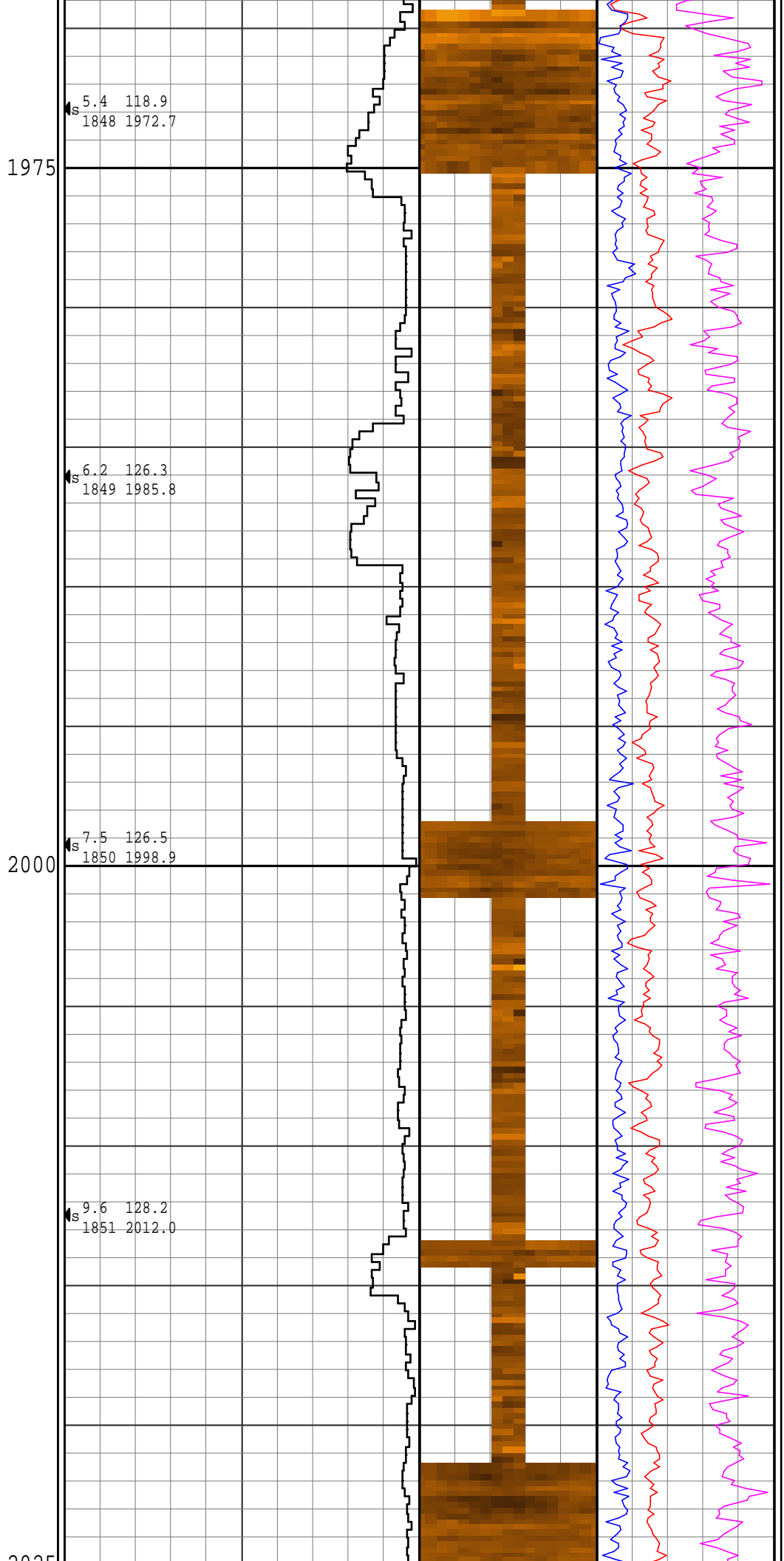
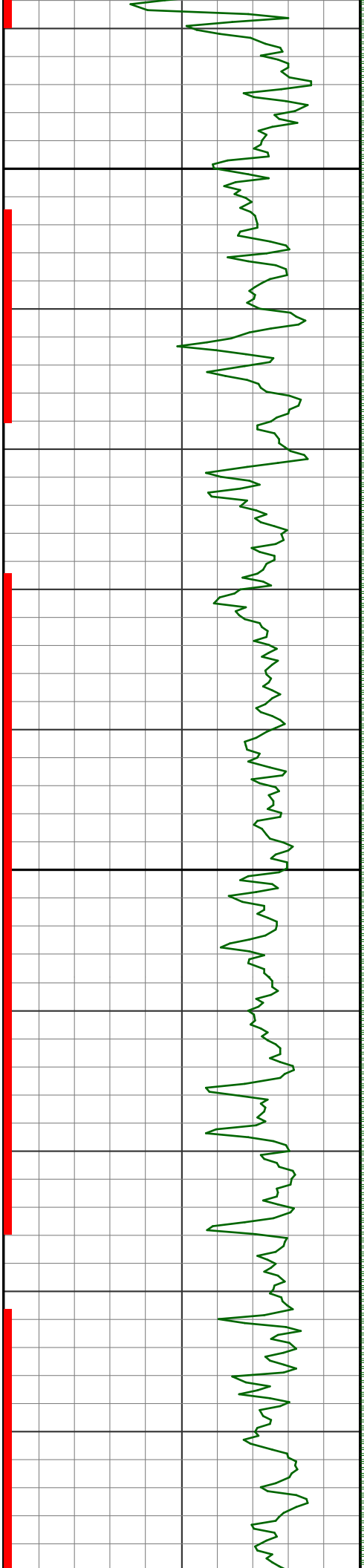
REMARK #2

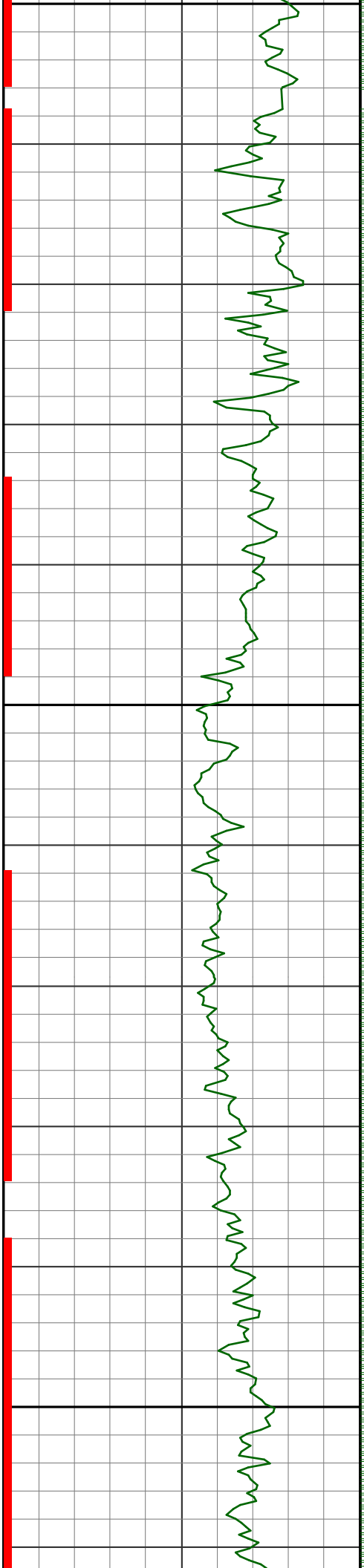
3.2 114.6
s 1845 1933.2

4.7 118.7
s 1846 1946.4

5.0 118.0
s 1847 1959.5







2025

11.7 130.6
1852 2024.9

13.0 131.4
1853 2037.8

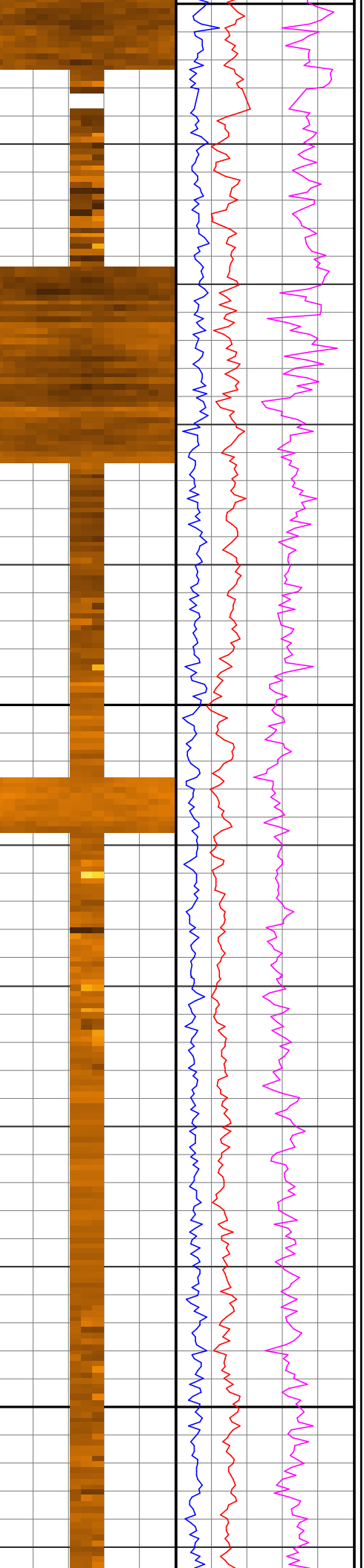
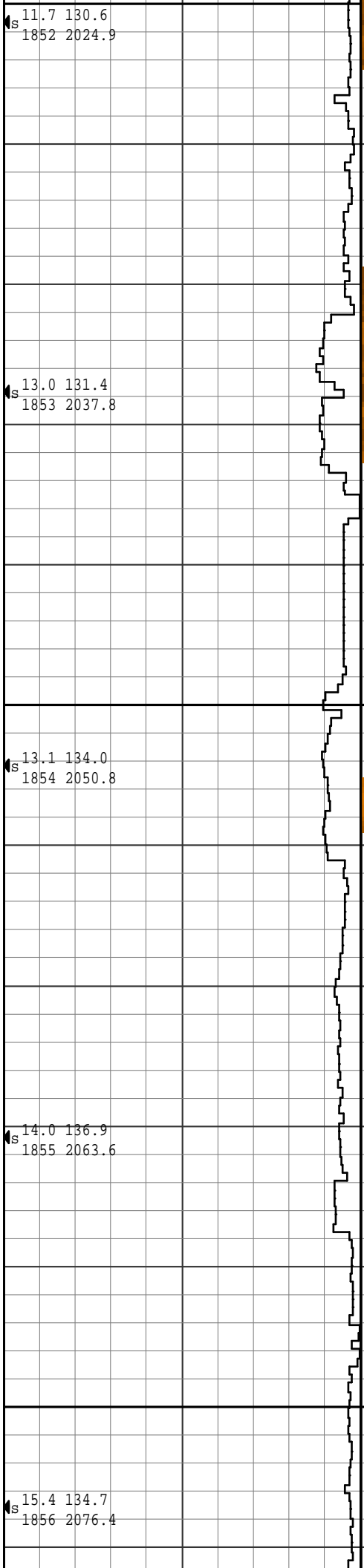
2050

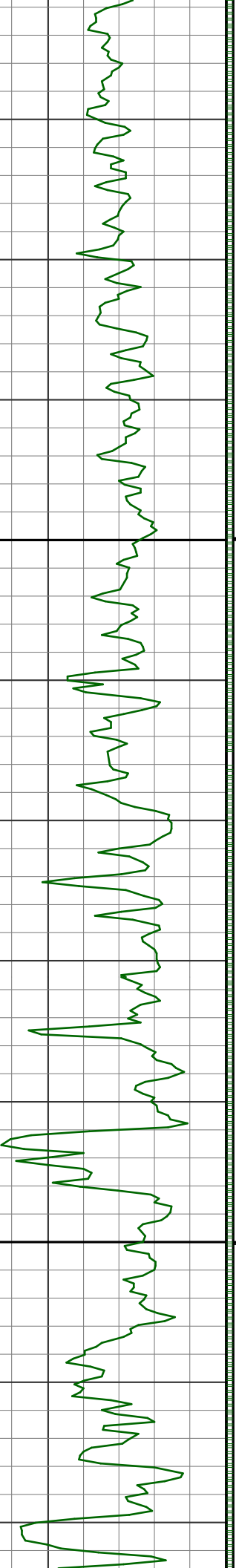
13.1 134.0
1854 2050.8

14.0 136.9
1855 2063.6

2075

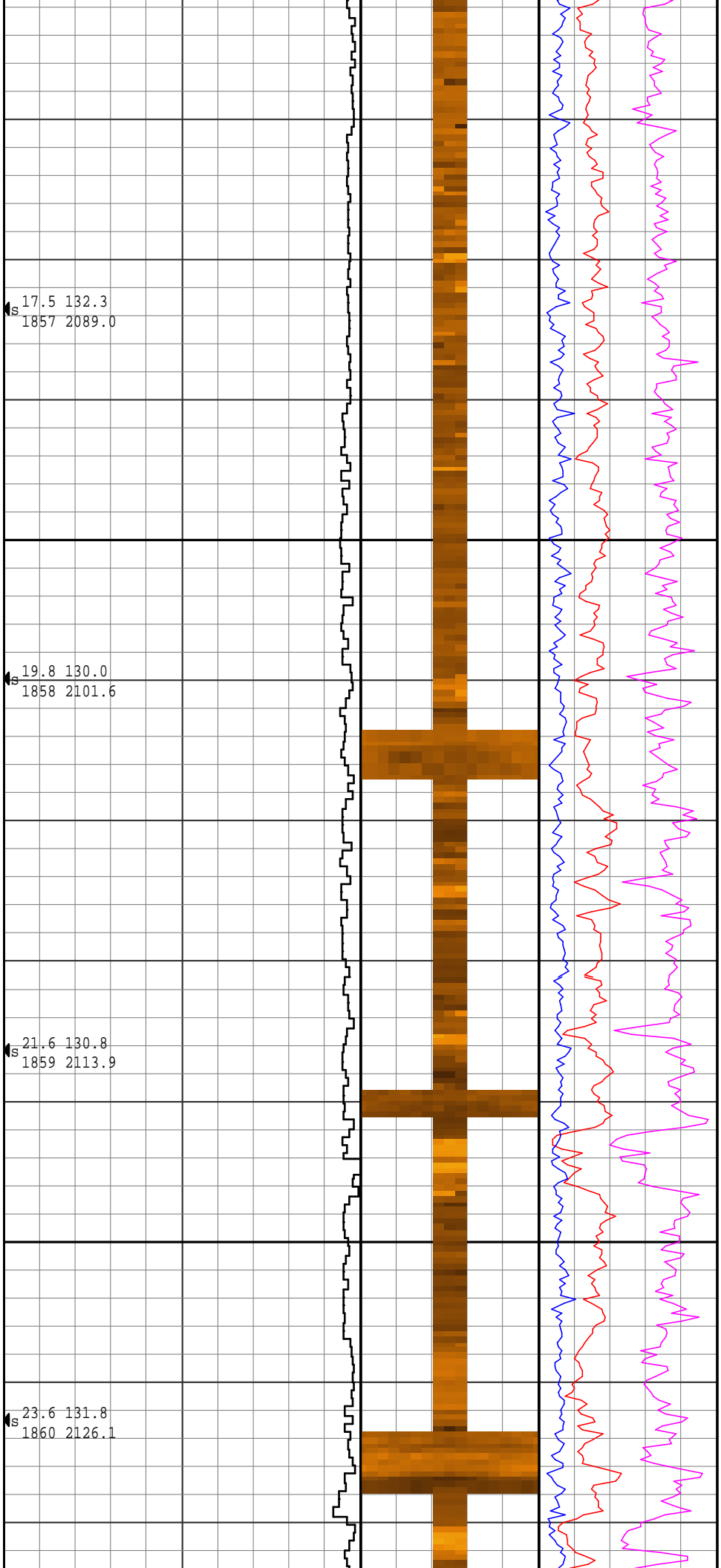
15.4 134.7
1856 2076.4

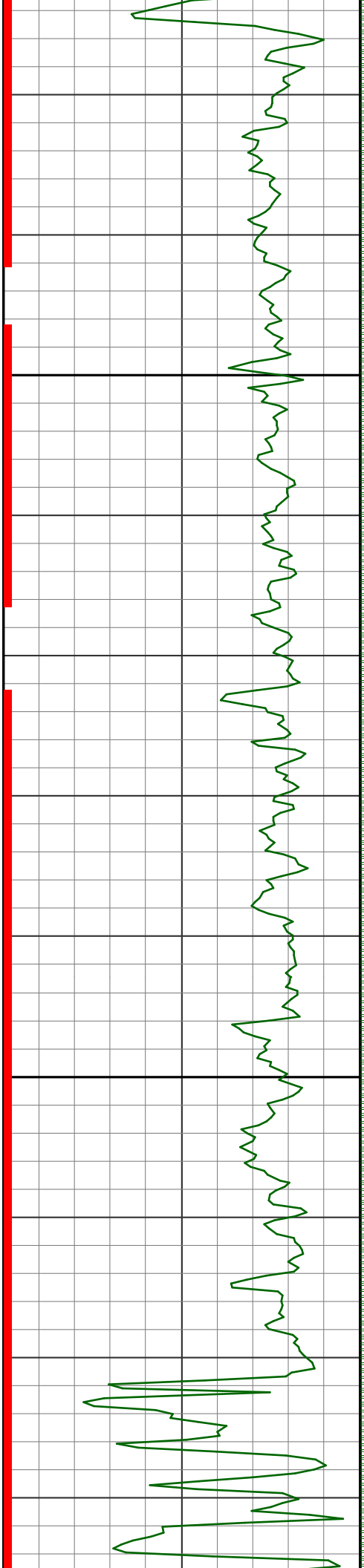




2100

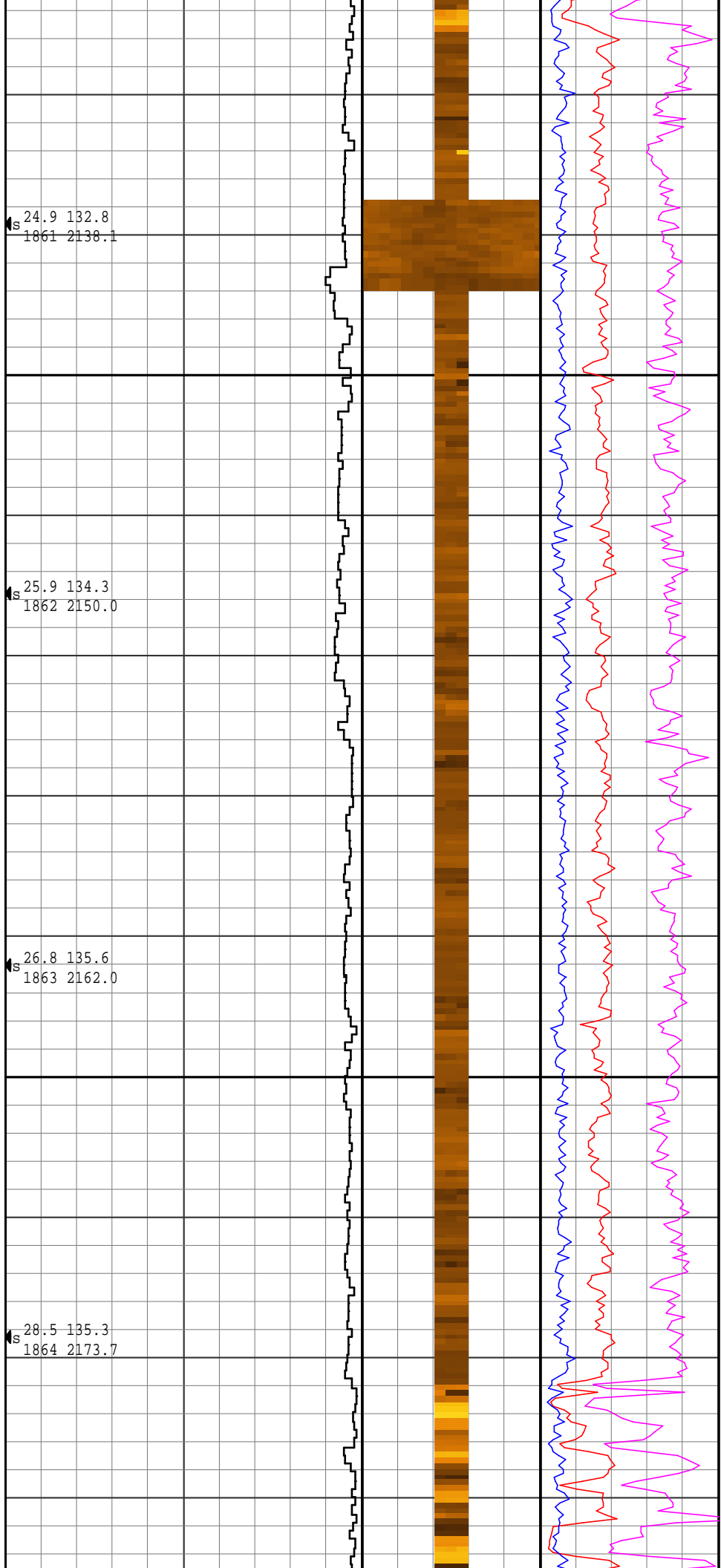
2125

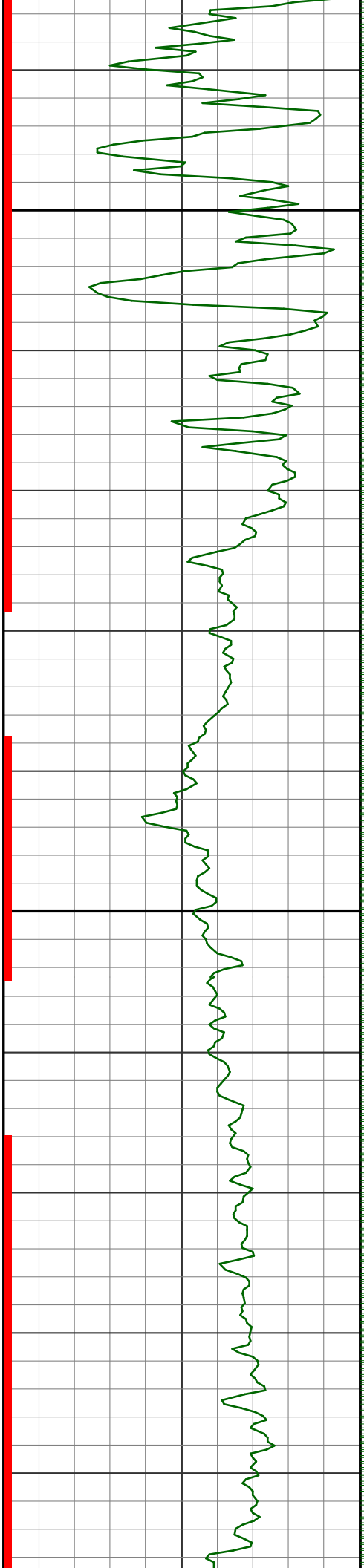




2150

2175





31.5 134.3
1865 2185.1

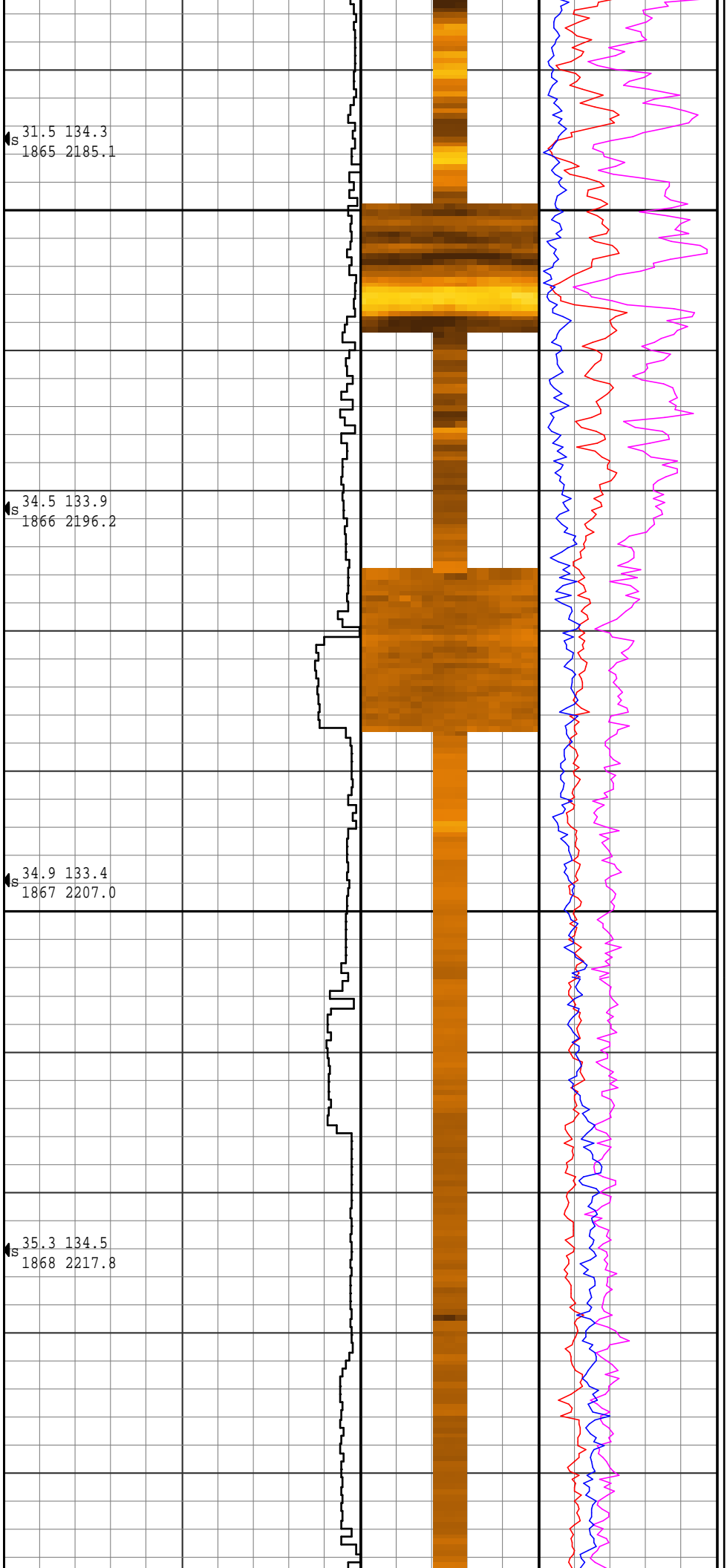
34.5 133.9
1866 2196.2

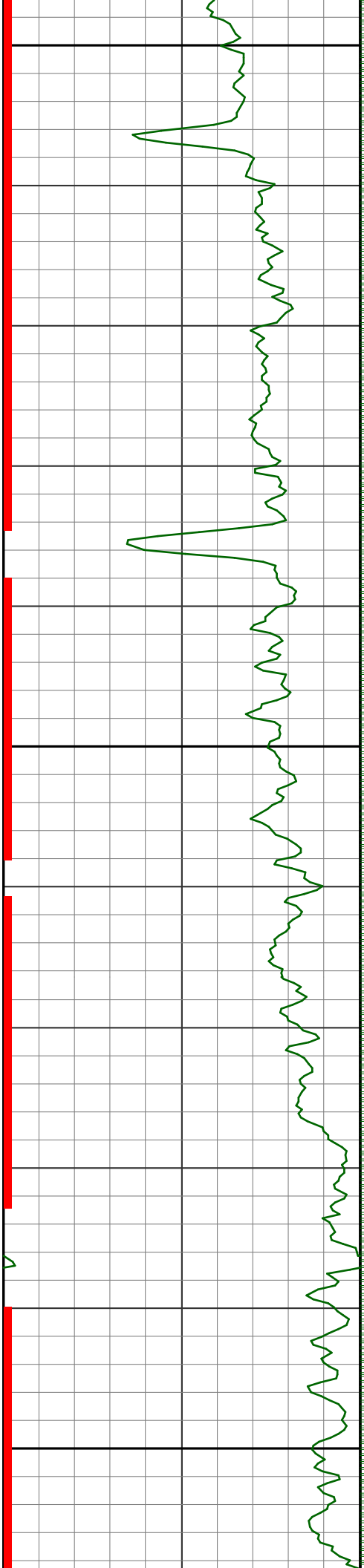
34.9 133.4
1867 2207.0

35.3 134.5
1868 2217.8

2200

2225





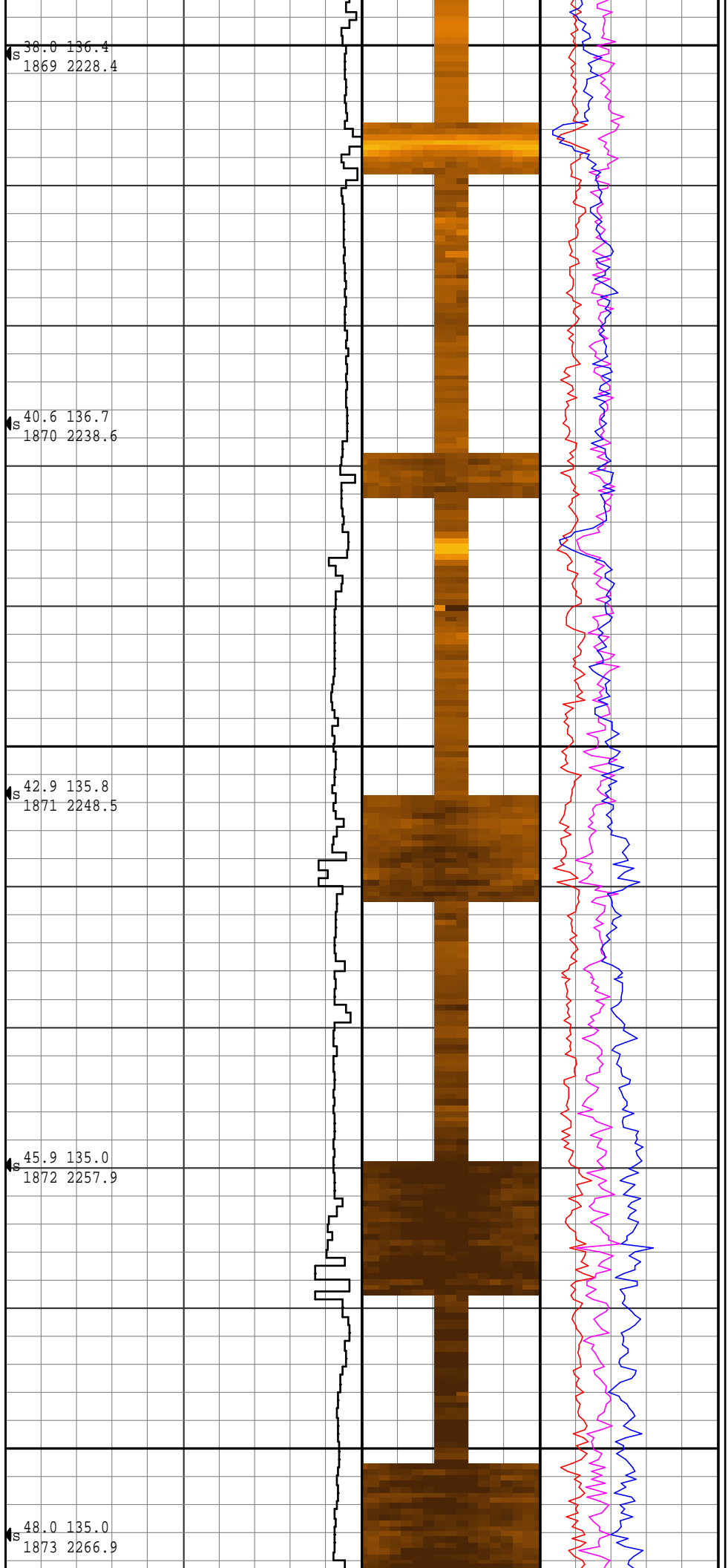
2250
S 38.0 136.4
1869 2228.4

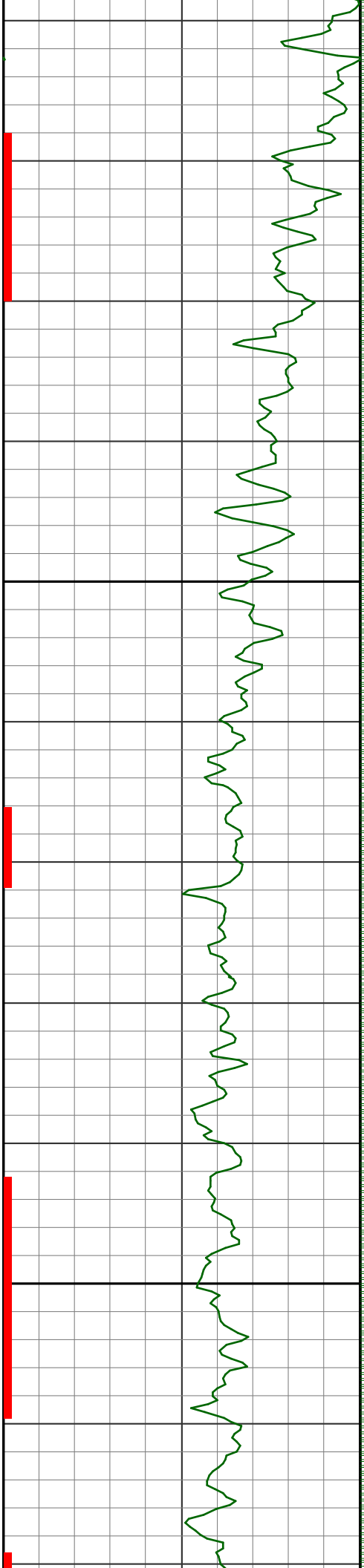
S 40.6 136.7
1870 2238.6

2275
S 42.9 135.8
1871 2248.5

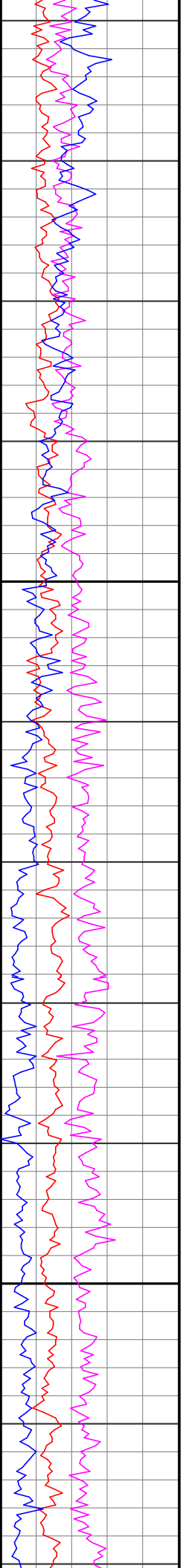
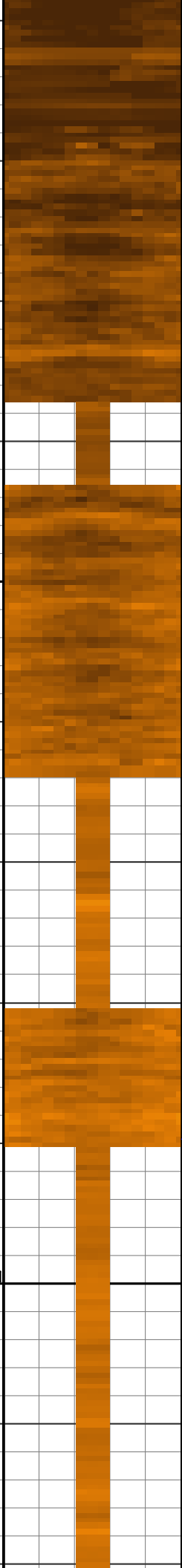
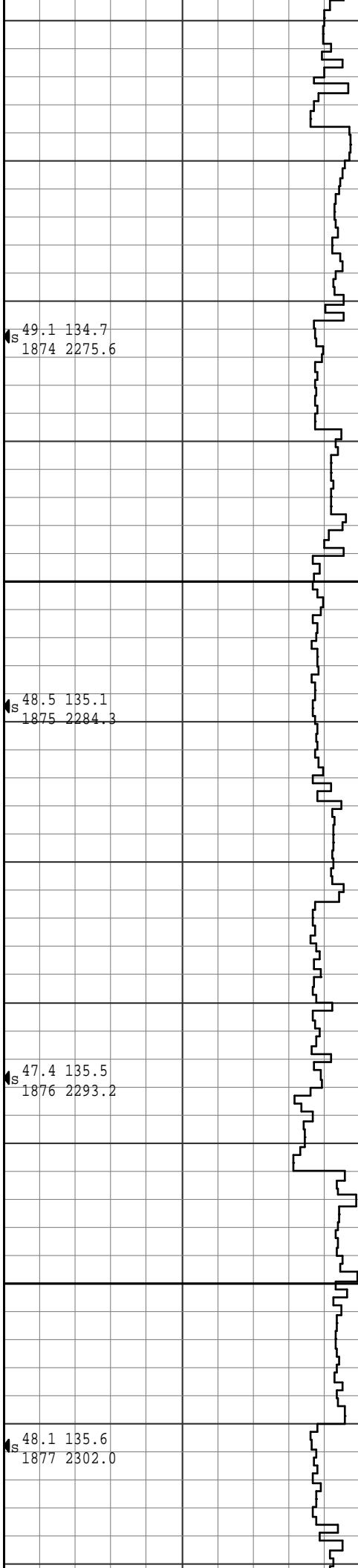
S 45.9 135.0
1872 2257.9

2300
S 48.0 135.0
1873 2266.9





2325



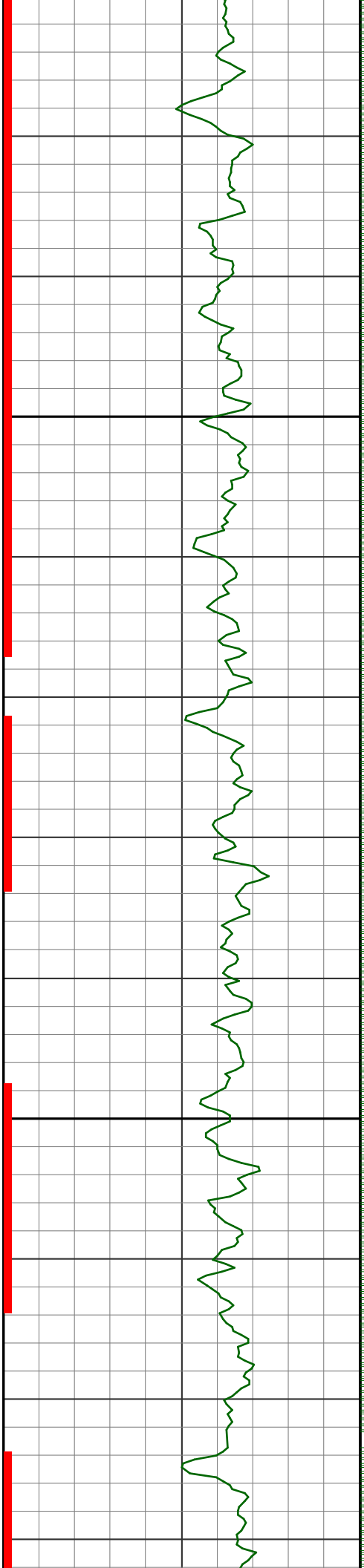
49.1 134.7
1874 2275.6

48.5 135.1
1875 2284.3

47.4 135.5
1876 2293.2

2350

48.1 135.6
1877 2302.0



2375

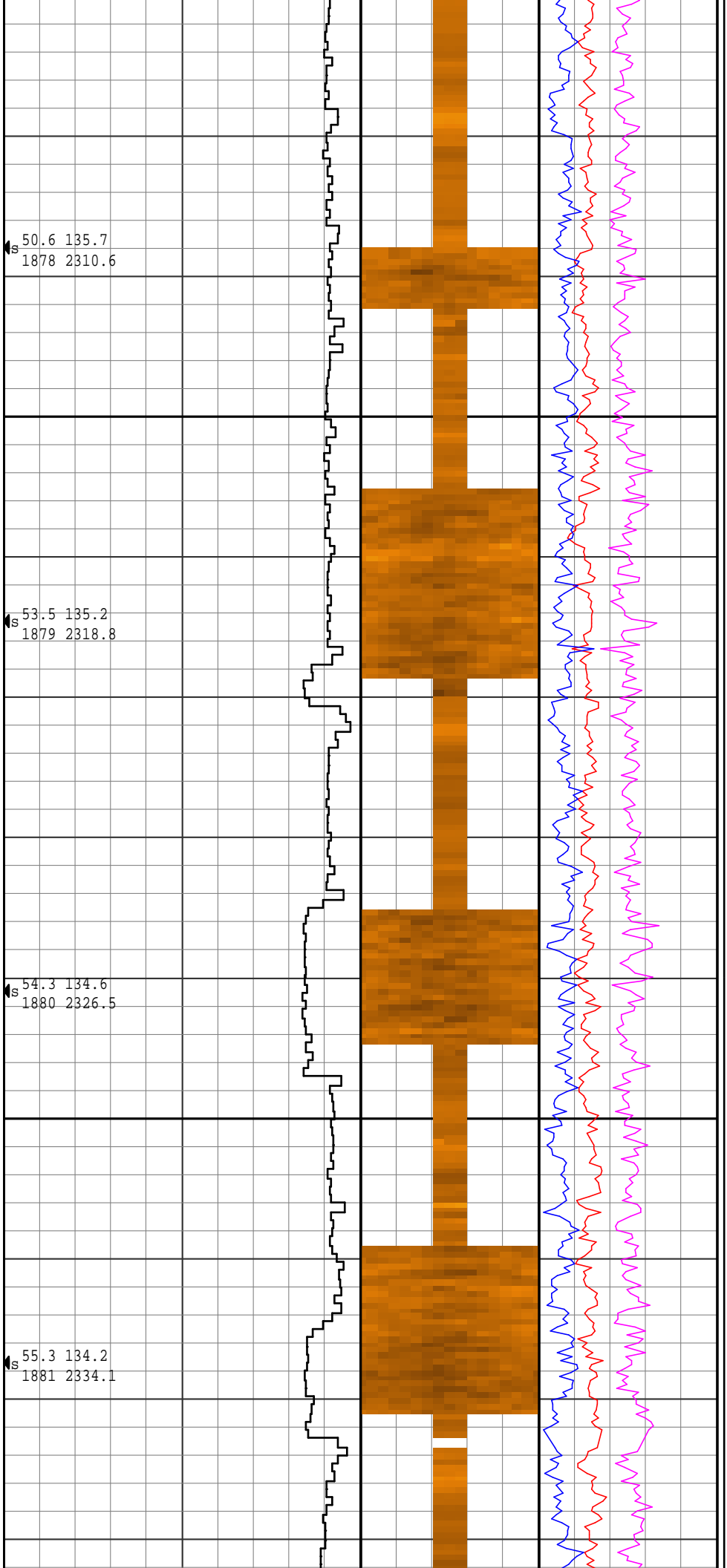
50.6 135.7
1878 2310.6

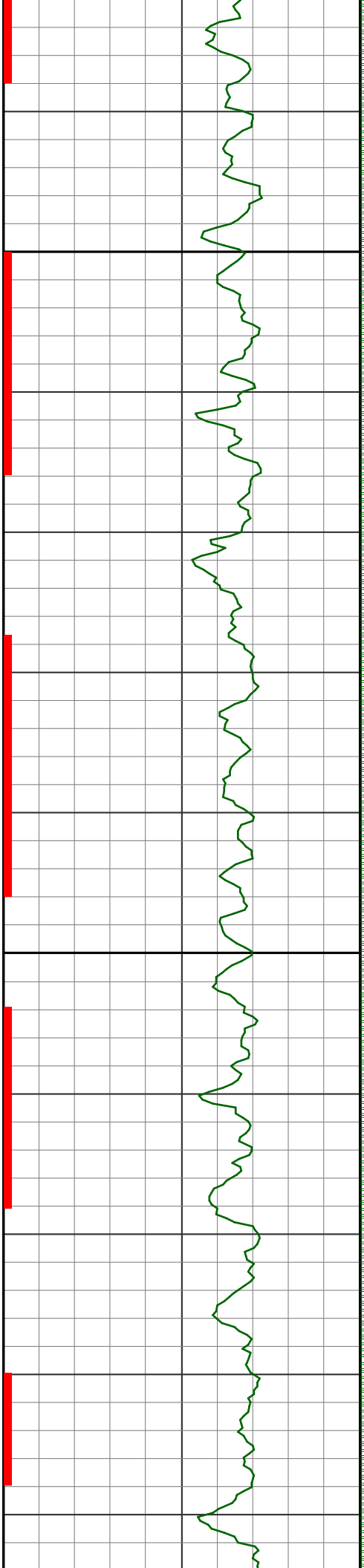
53.5 135.2
1879 2318.8

54.3 134.6
1880 2326.5

2400

55.3 134.2
1881 2334.1





2425

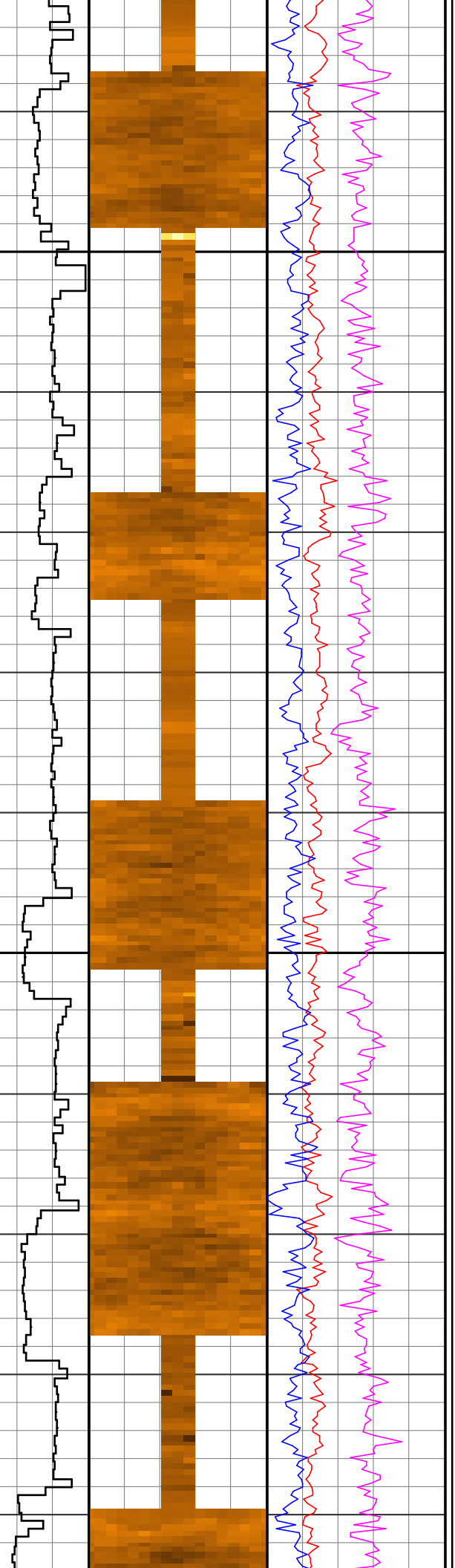
55.9 133.9
1882 2341.6

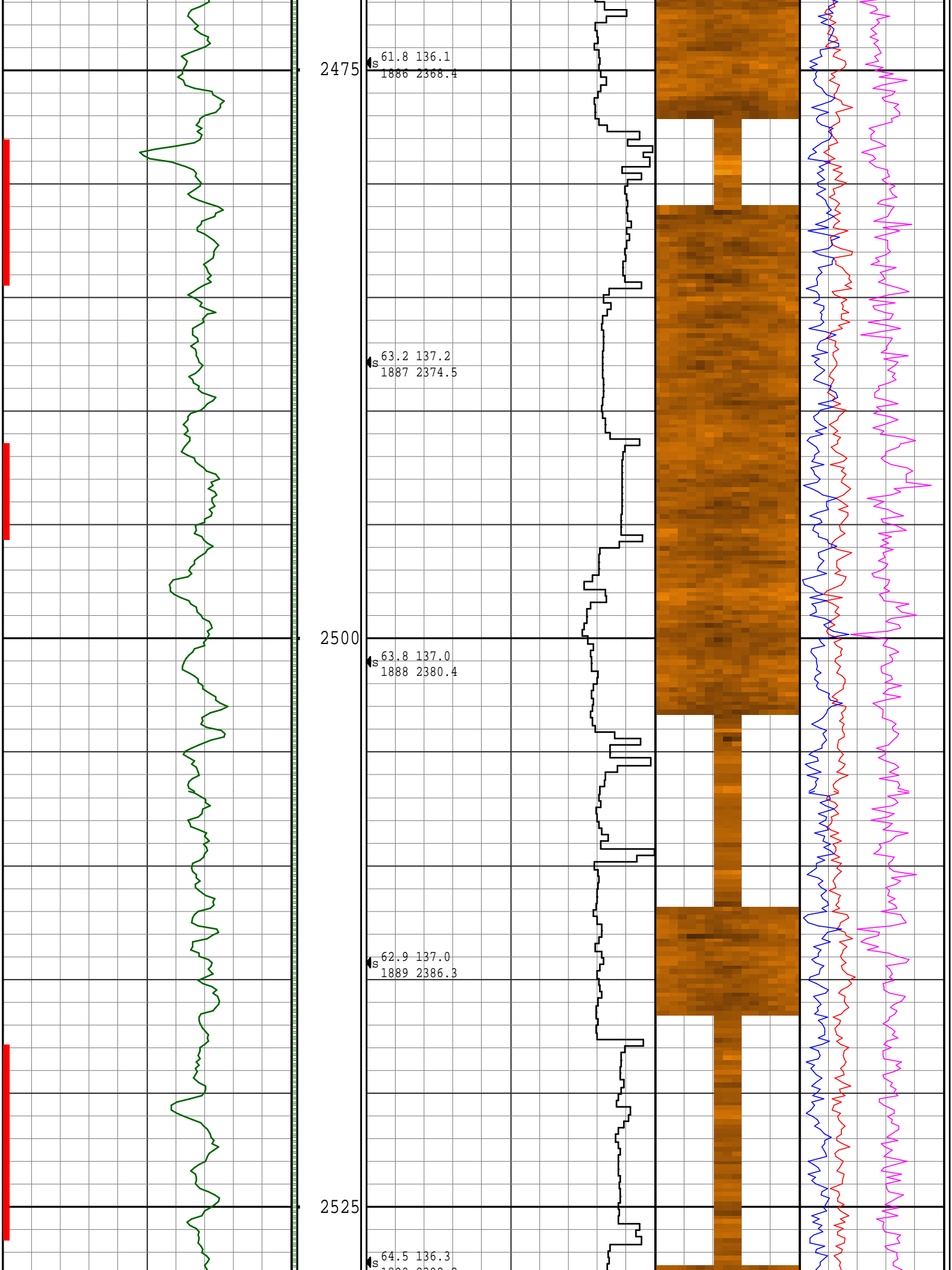
57.4 134.0
1883 2348.8

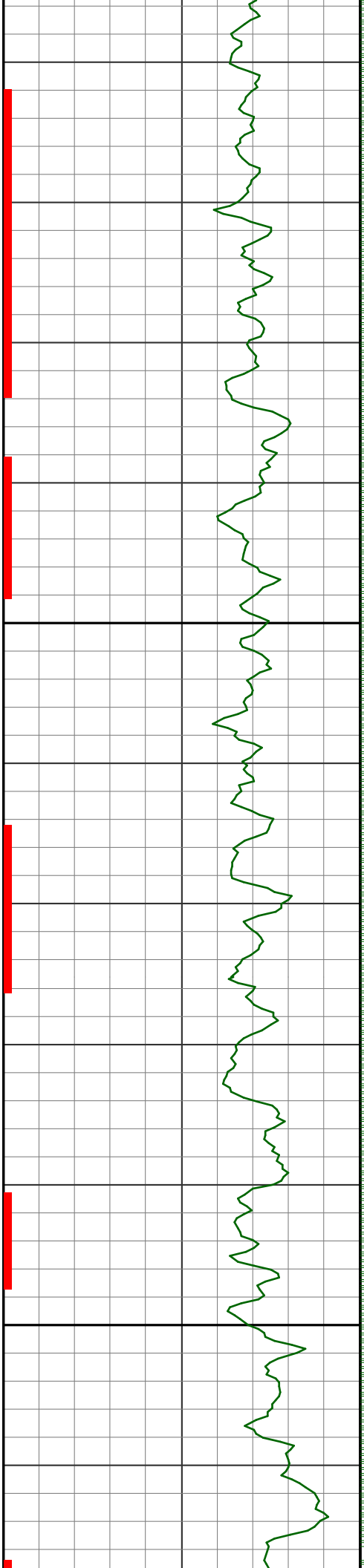
2450

59.9 135.1
1884 2355.7

61.7 136.0
1885 2362.1

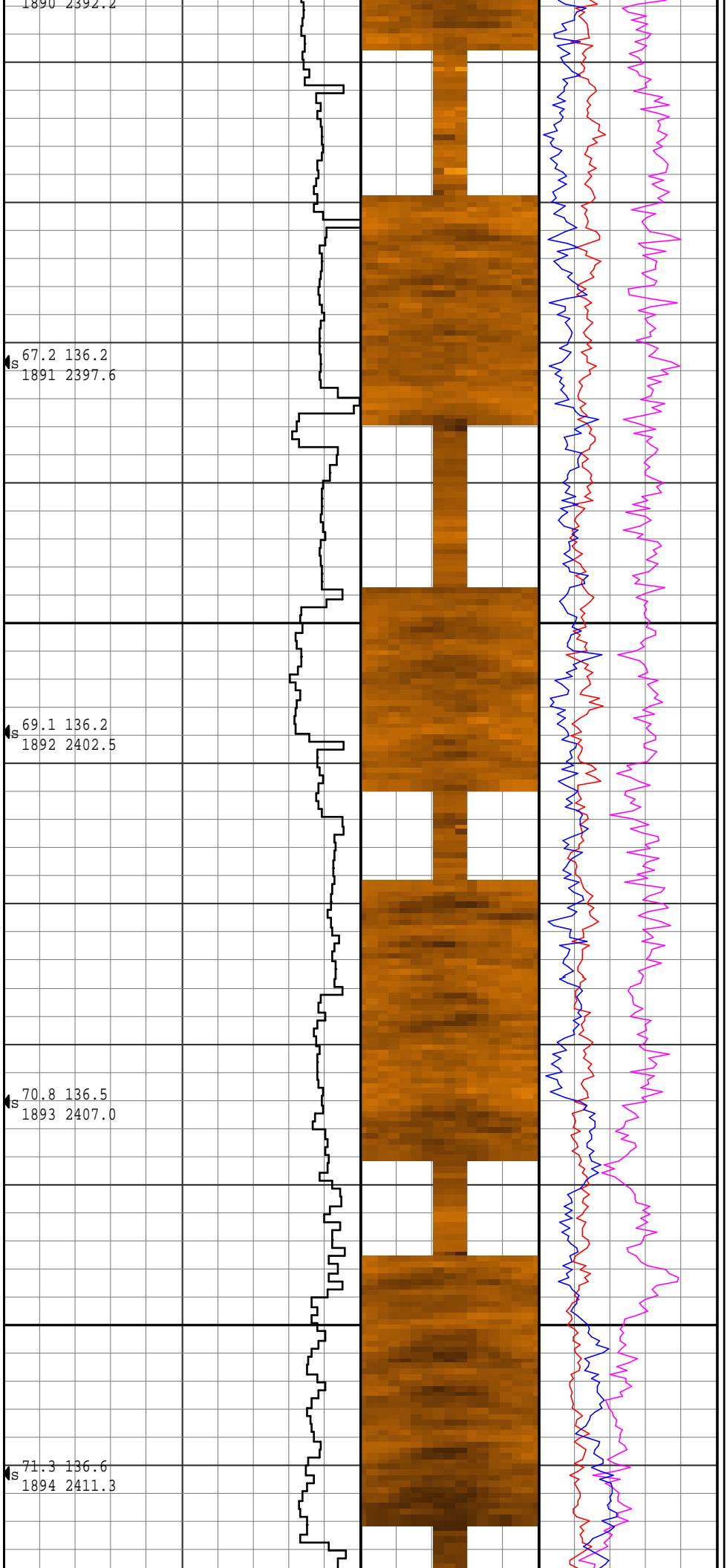


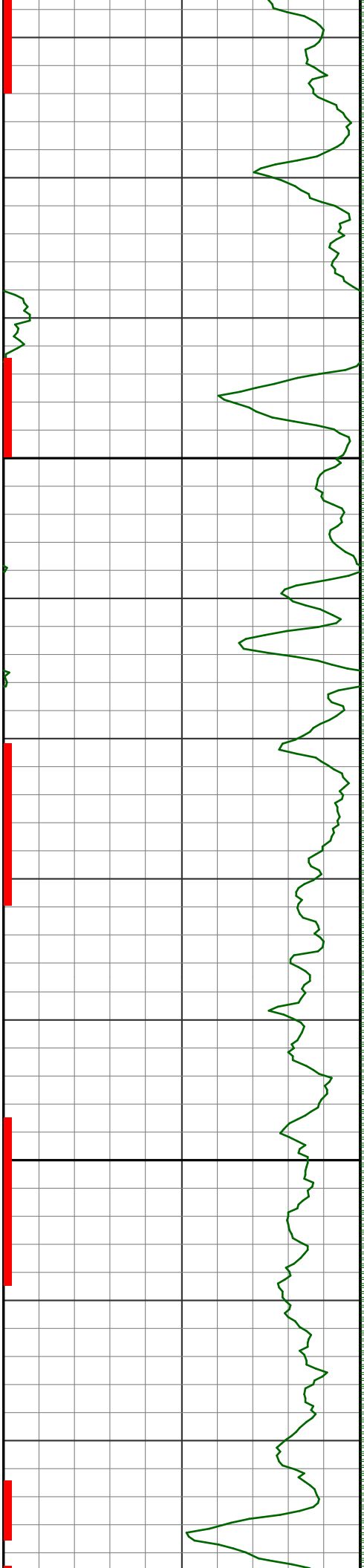




2550

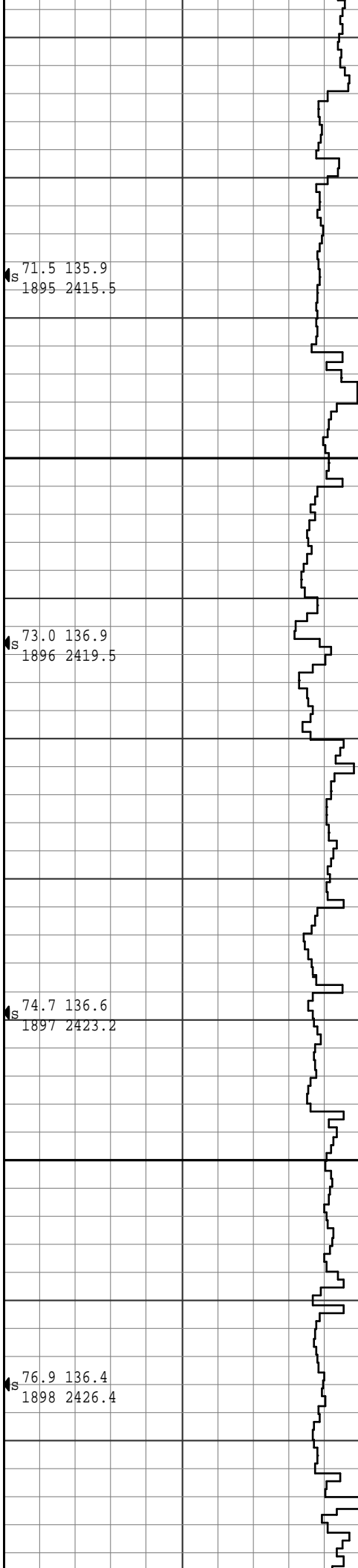
2575





2600

2625

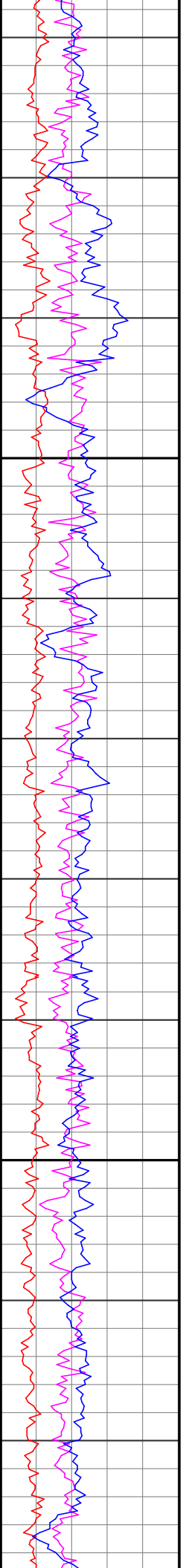
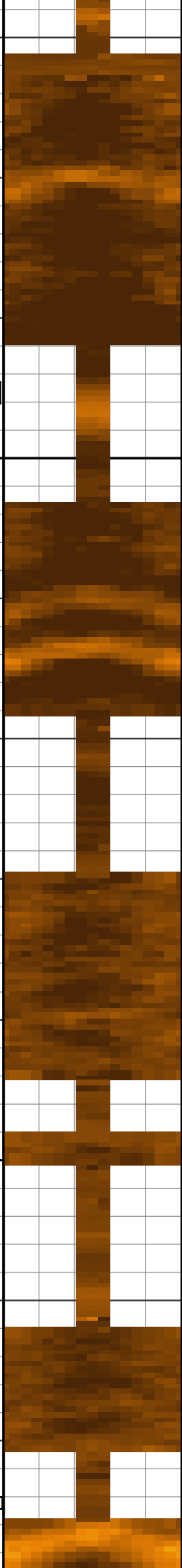


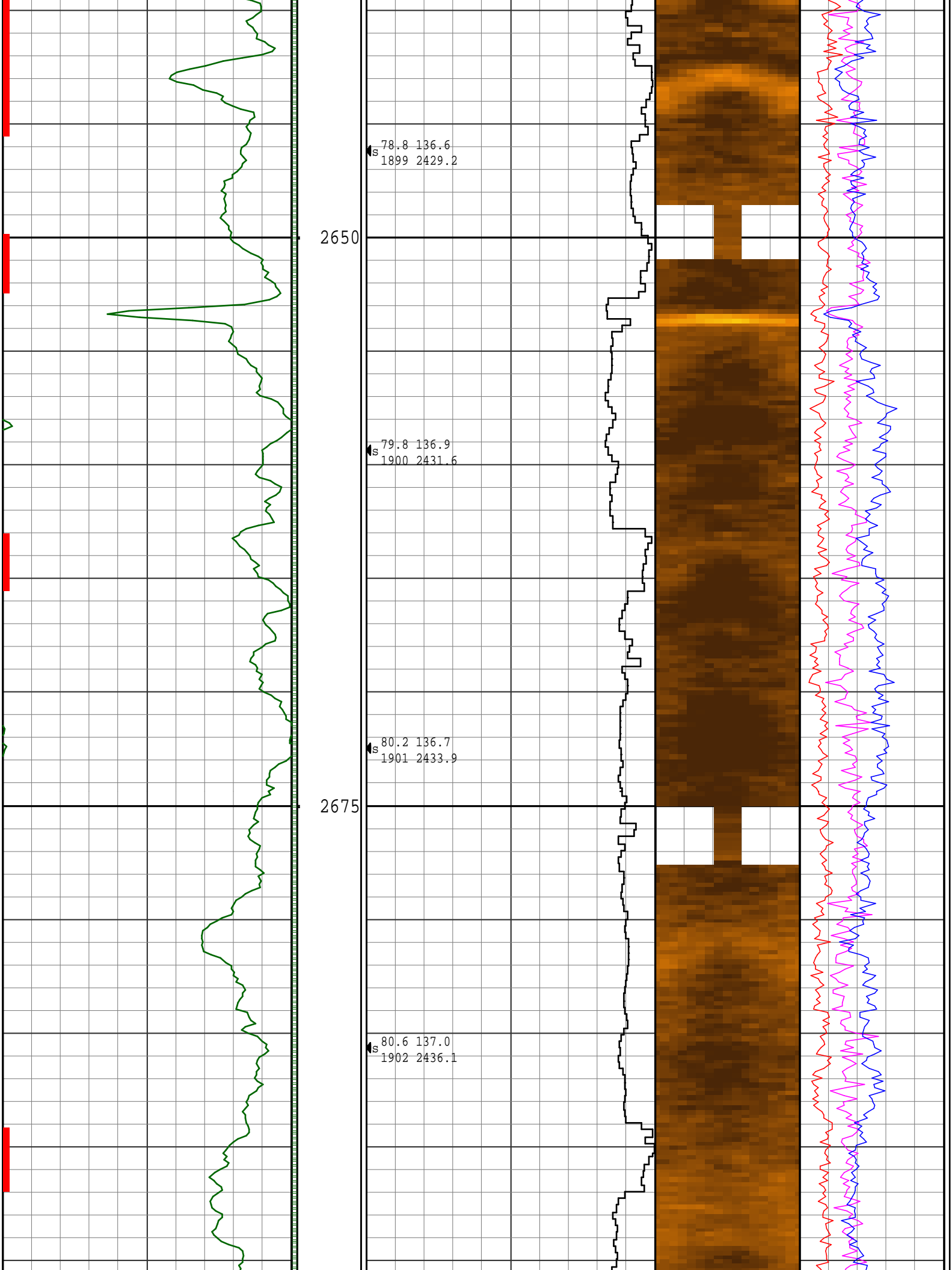
71.5 135.9
1895 2415.5

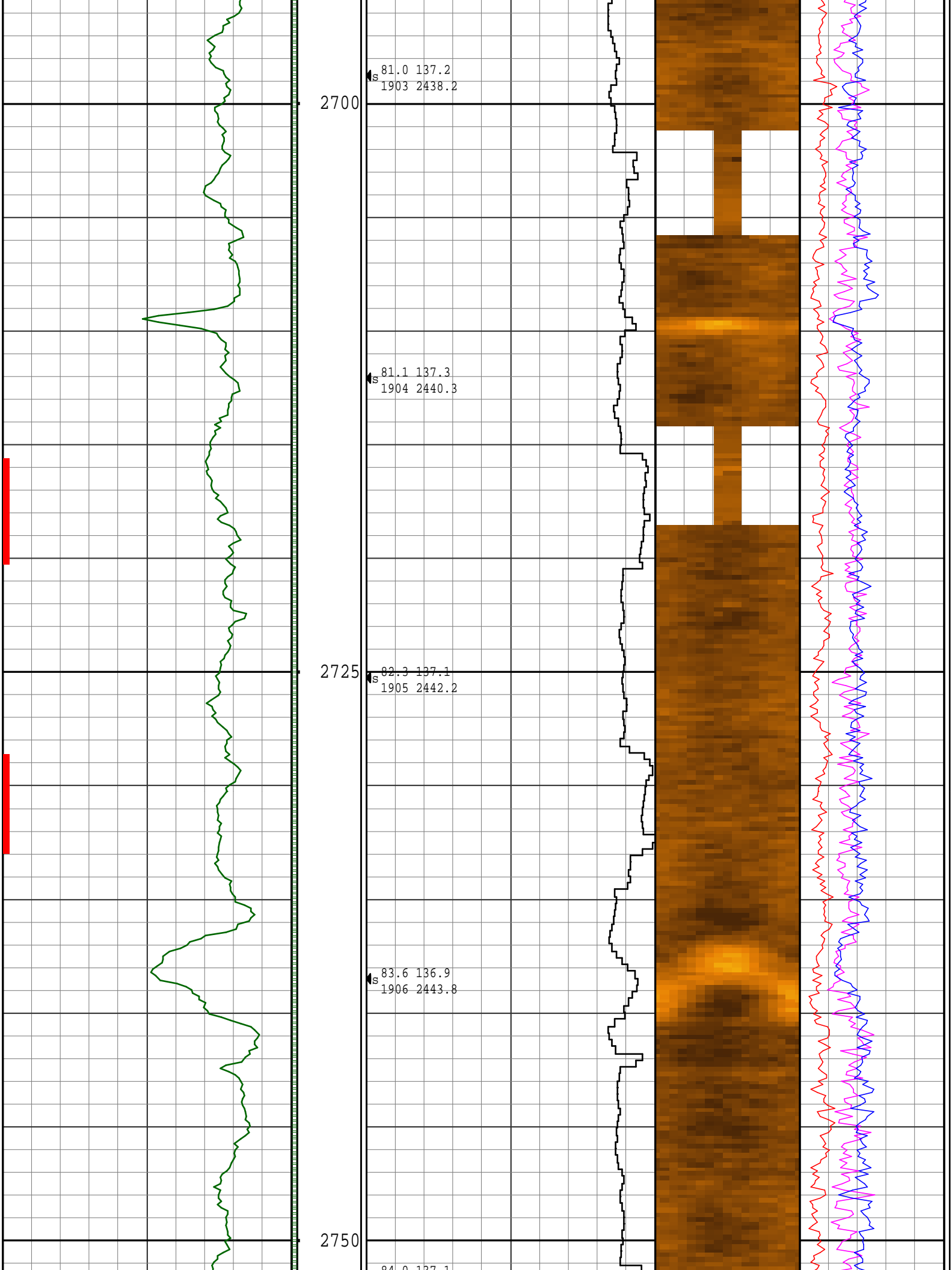
73.0 136.9
1896 2419.5

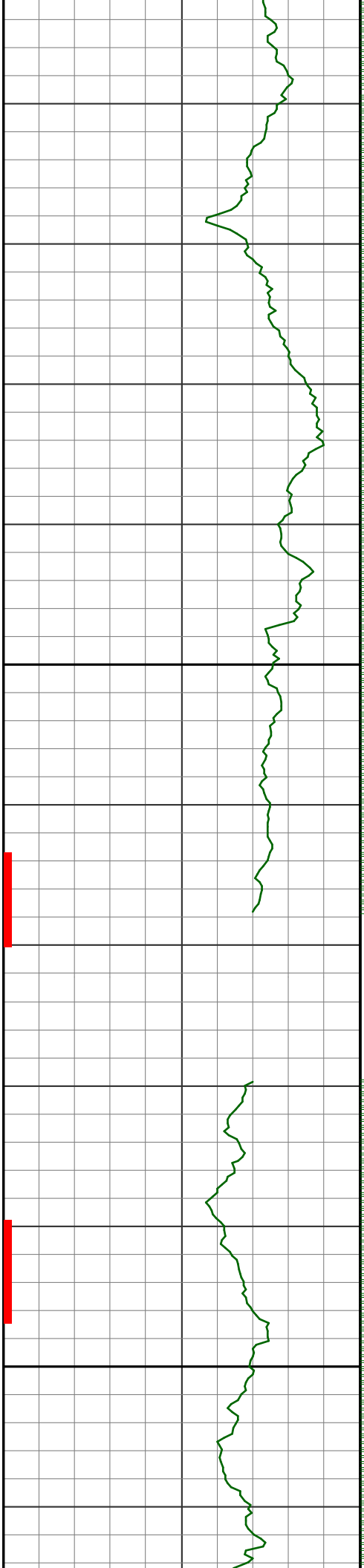
74.7 136.6
1897 2423.2

76.9 136.4
1898 2426.4









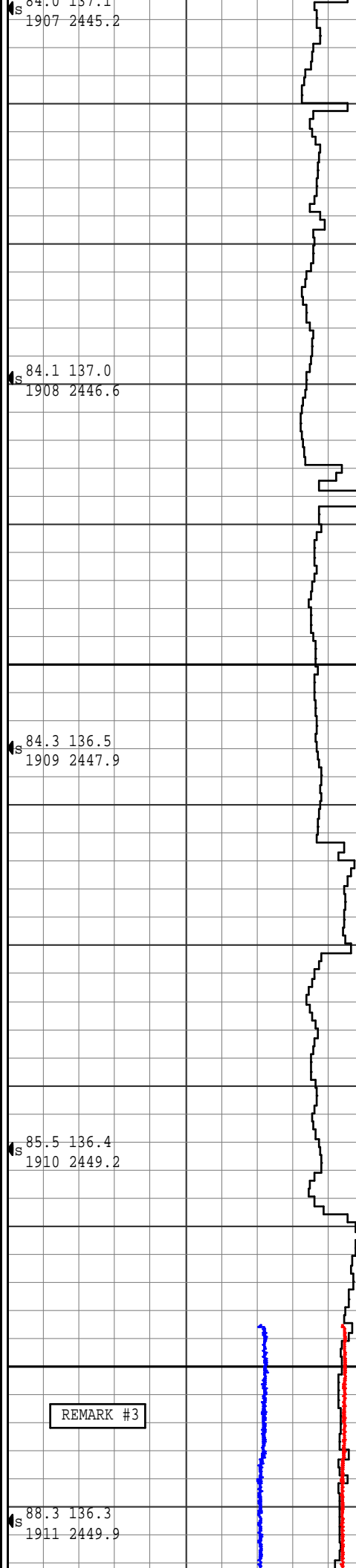
2775

R
U
N

4

2800

R
U
N



84.0 137.1
1907 2445.2

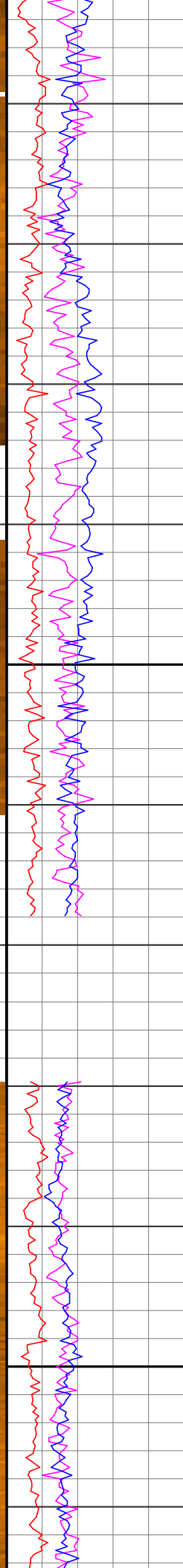
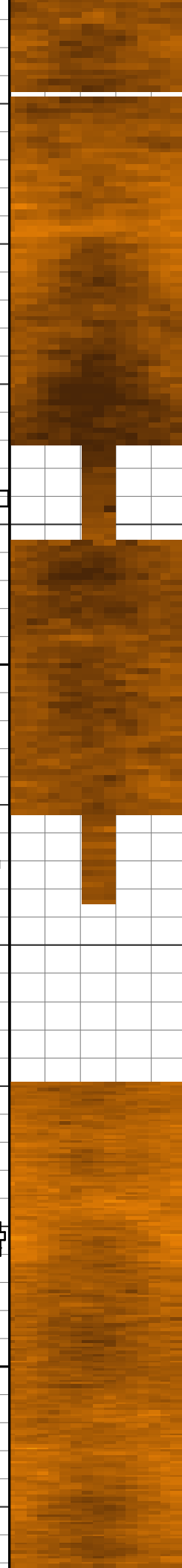
84.1 137.0
1908 2446.6

84.3 136.5
1909 2447.9

85.5 136.4
1910 2449.2

REMARK #3

88.3 136.3
1911 2449.9



5

2825

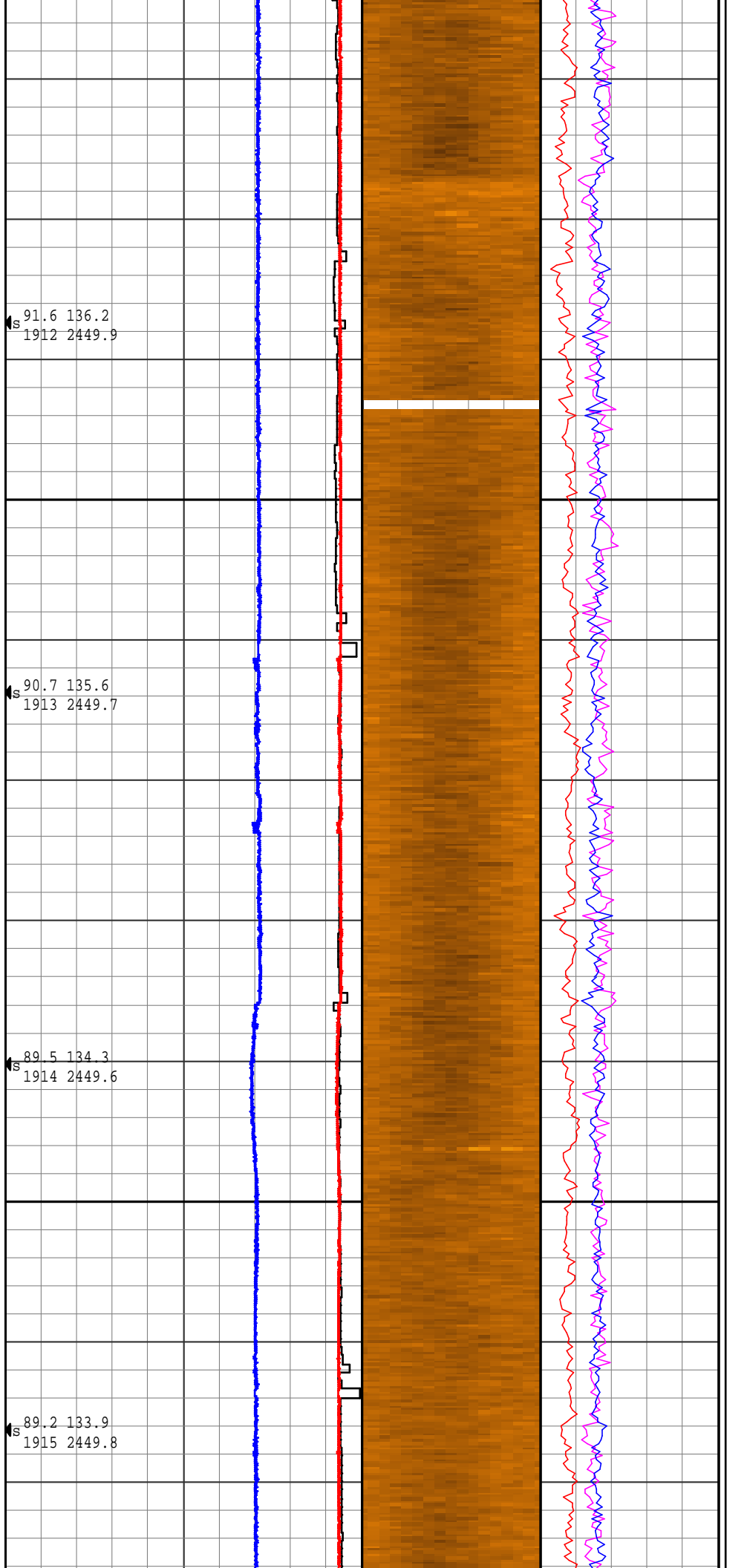
2850

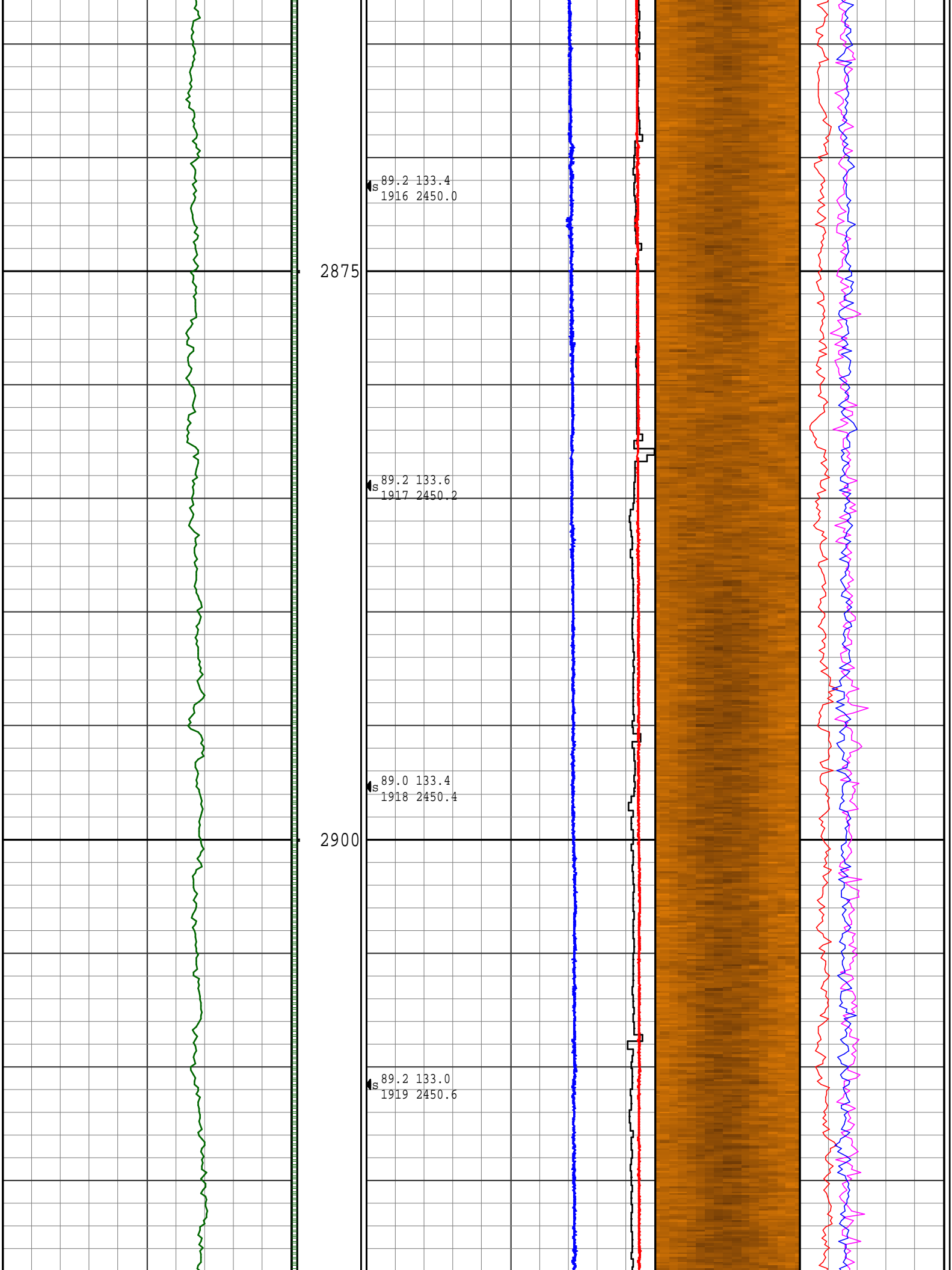
91.6 136.2
1912 2449.9

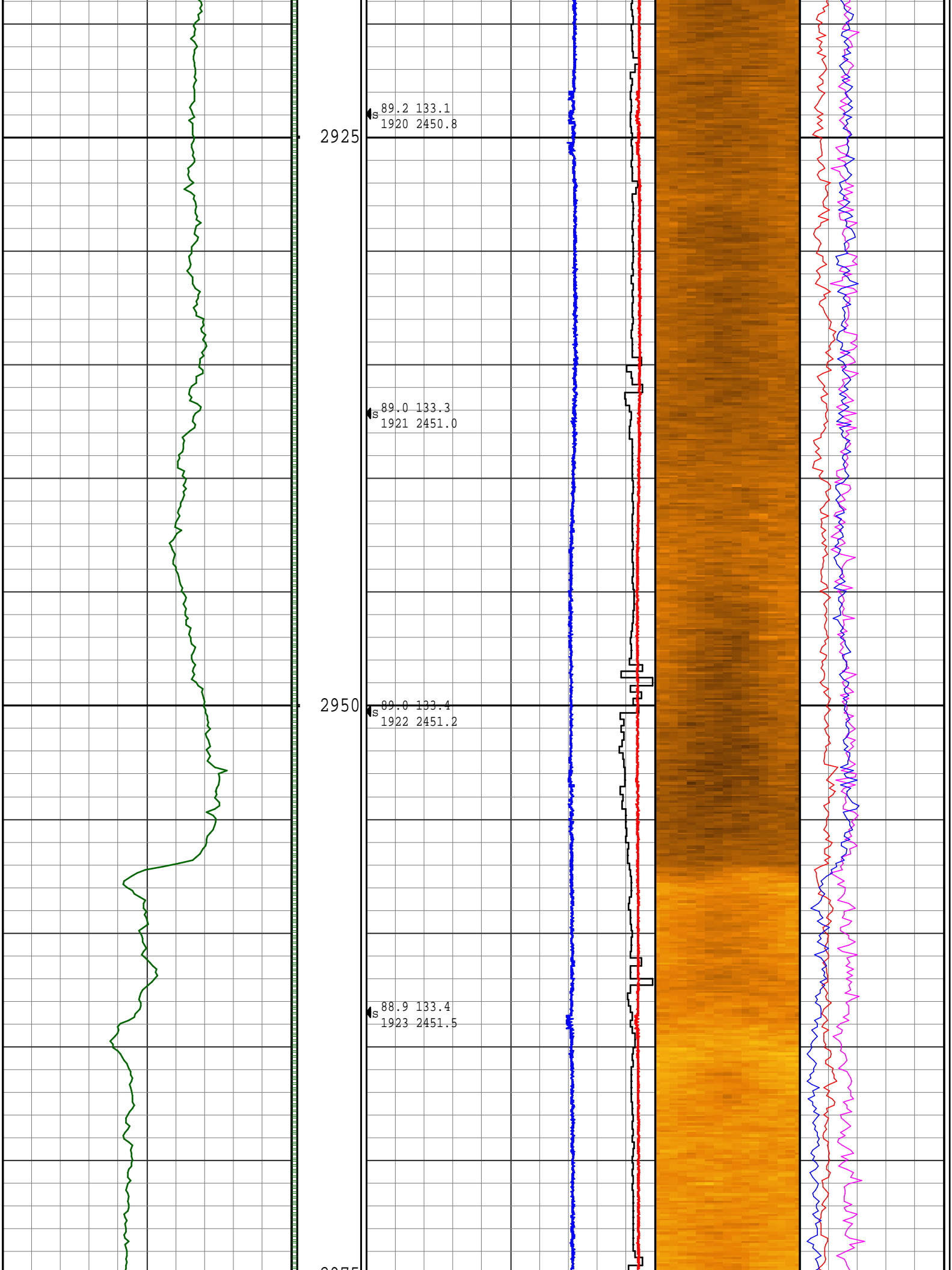
90.7 135.6
1913 2449.7

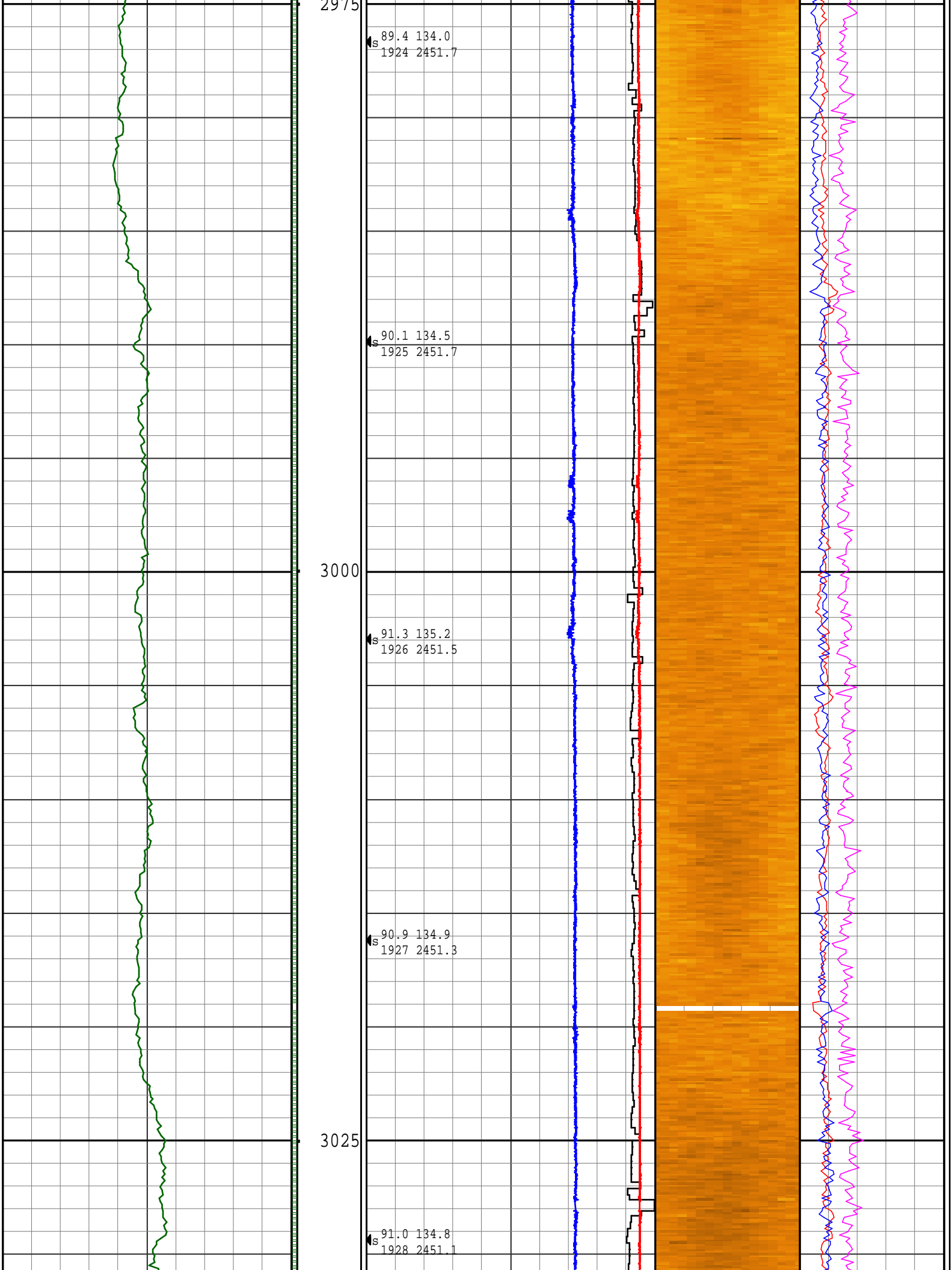
89.5 134.3
1914 2449.6

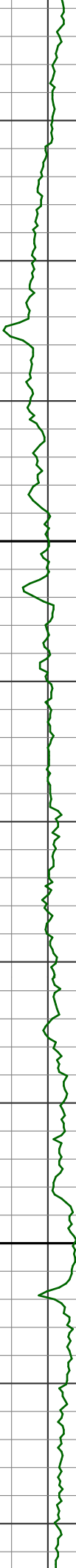
89.2 133.9
1915 2449.8











3050

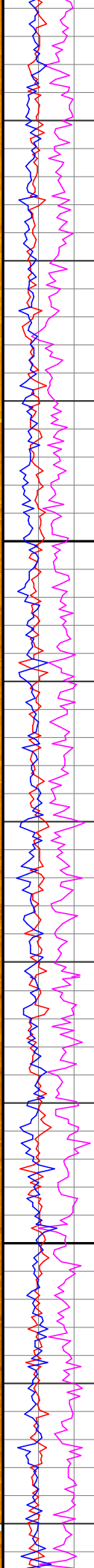
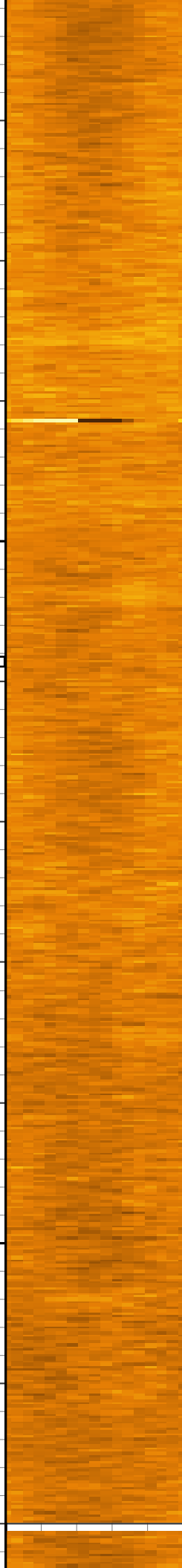
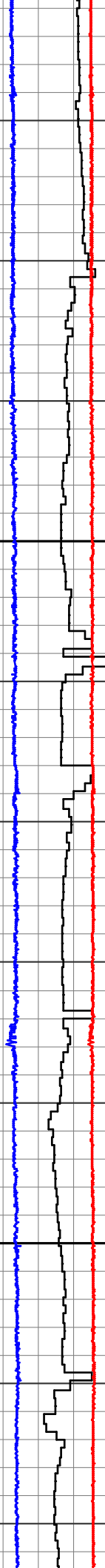
3075

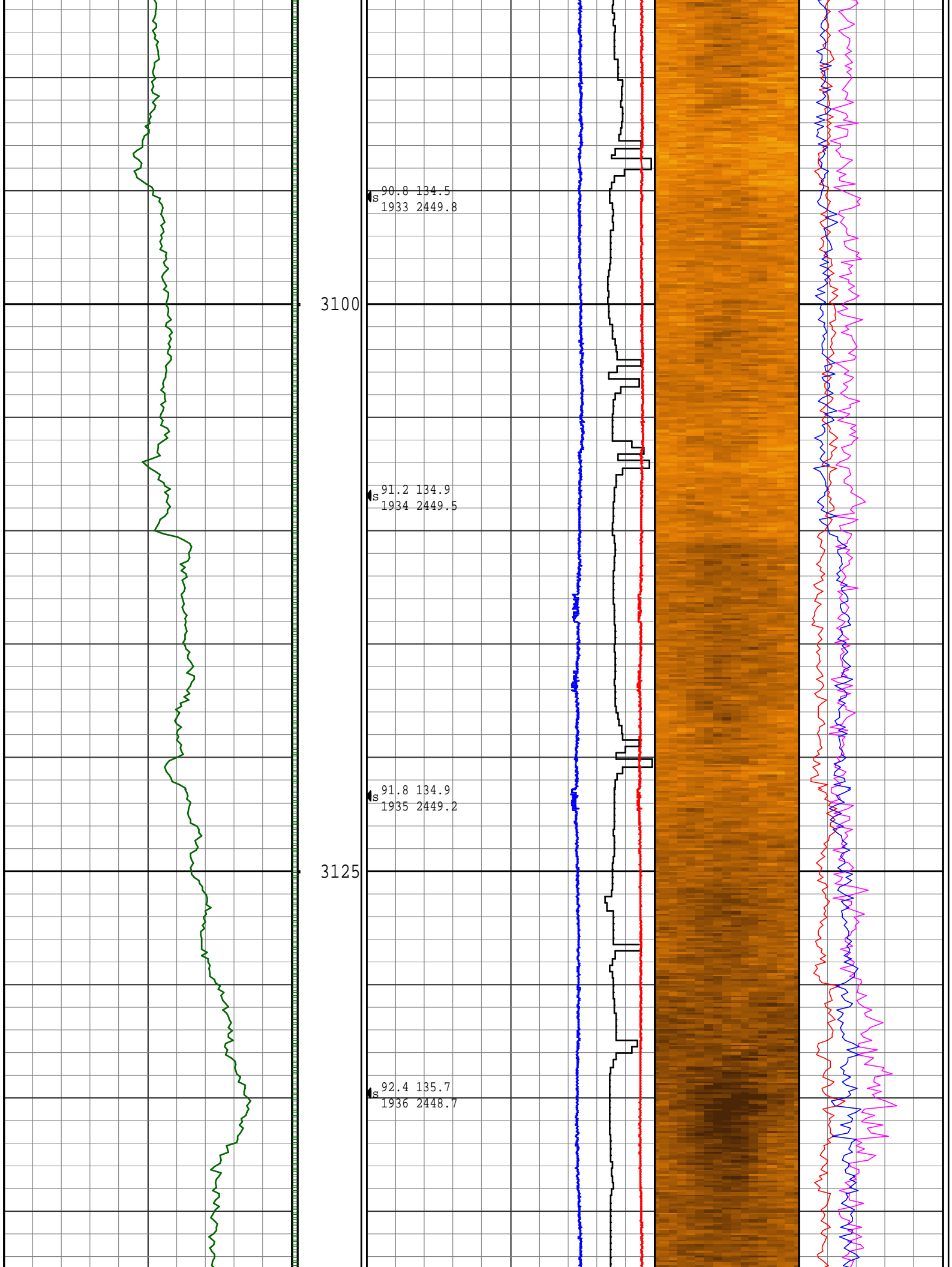
91.1 134.7
1929 2450.8

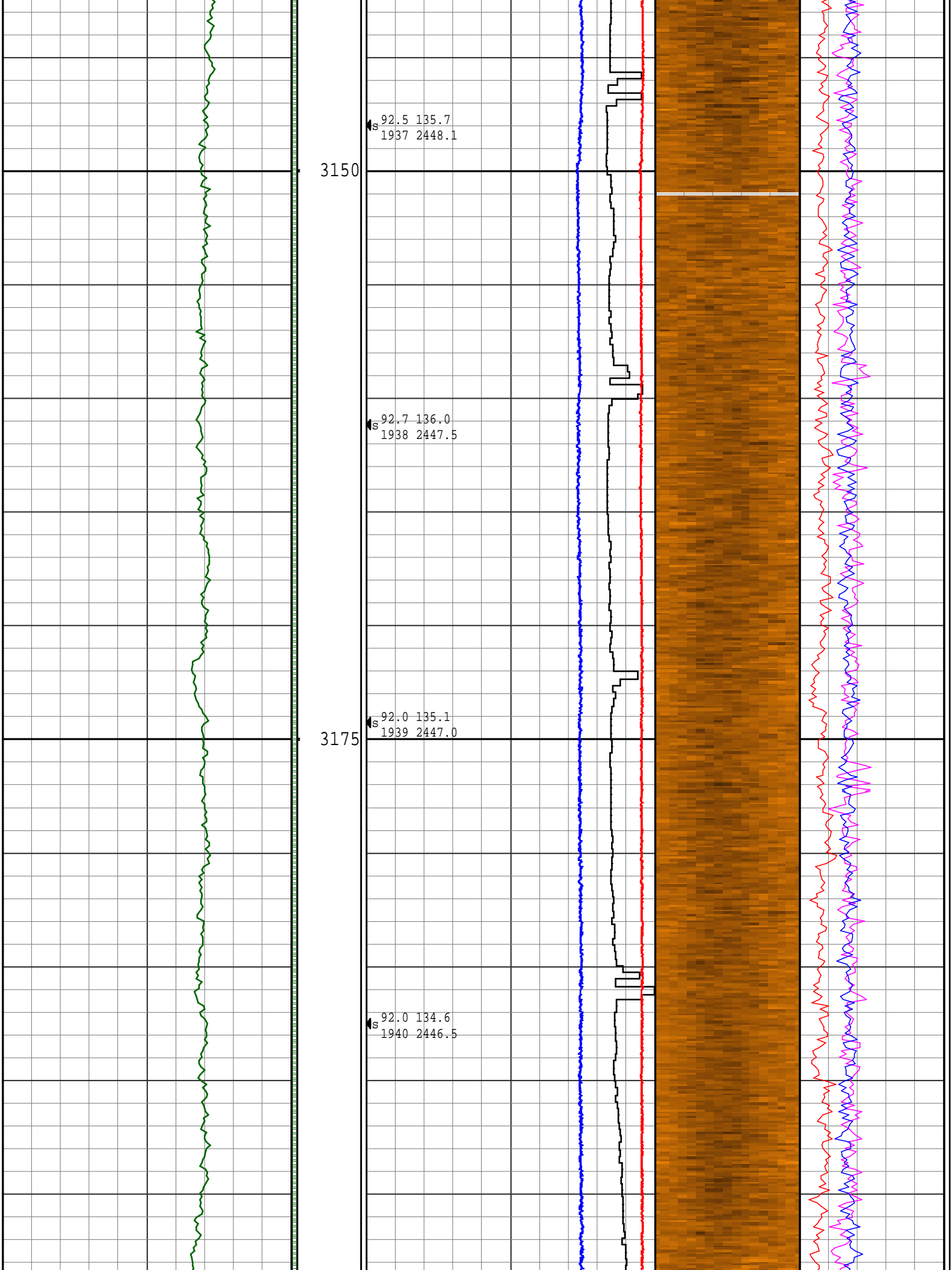
91.0 134.1
1930 2450.6

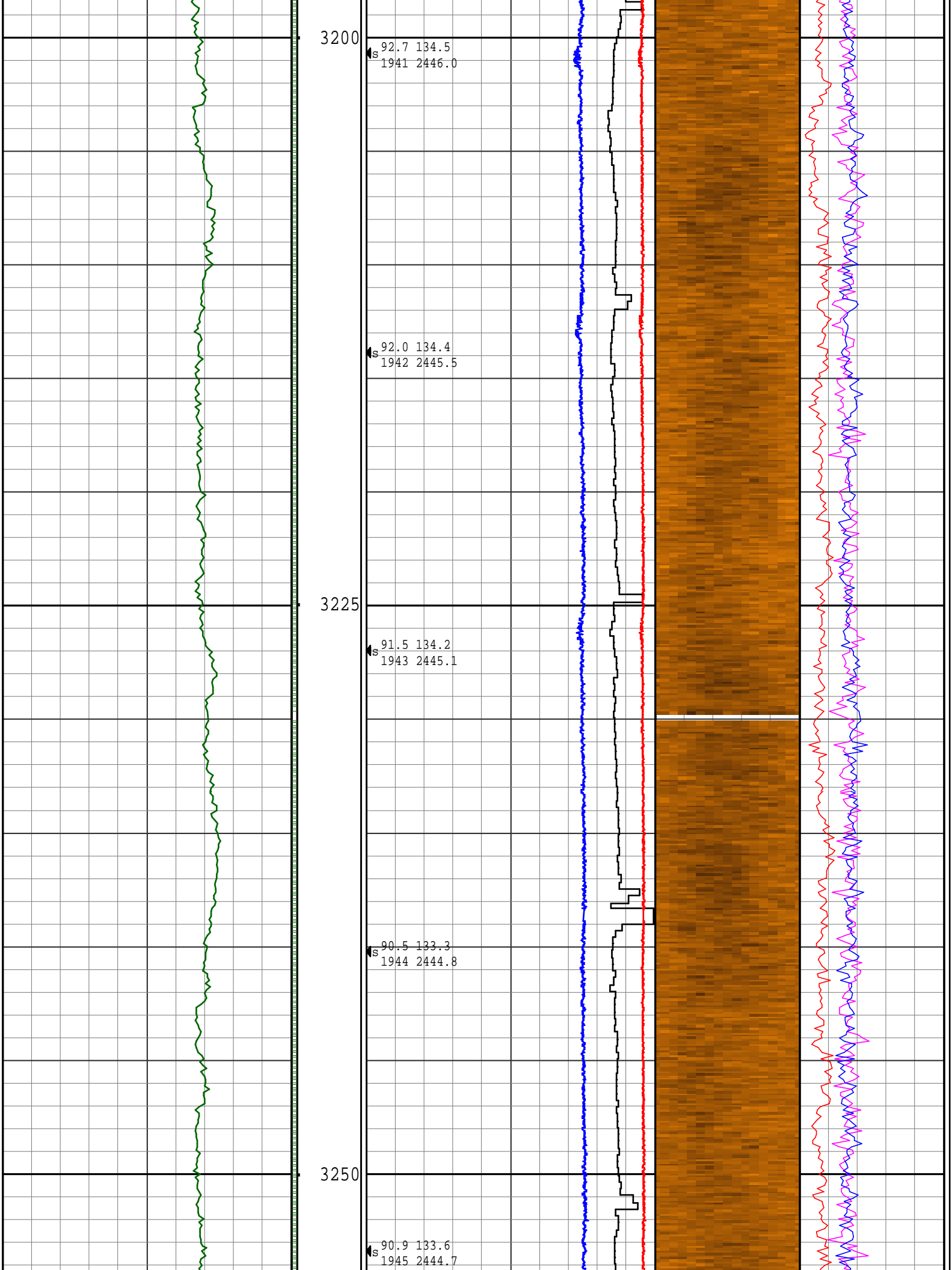
91.3 134.2
1931 2450.3

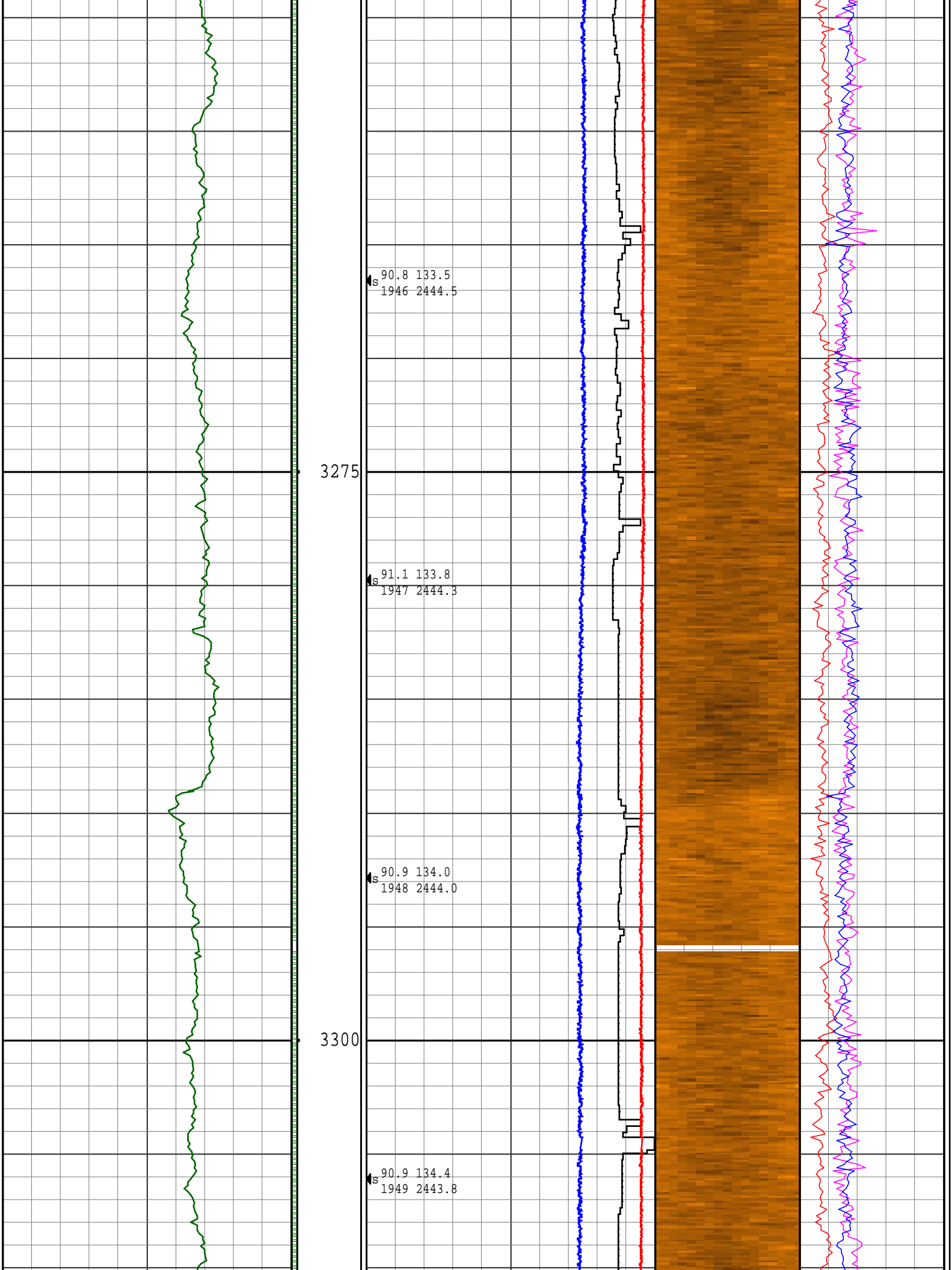
91.4 134.4
1932 2450.0

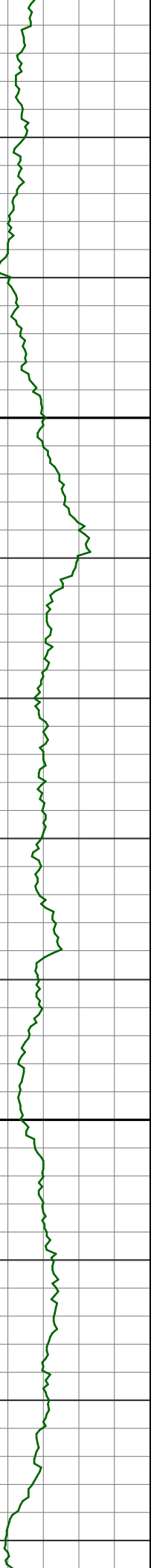












3325

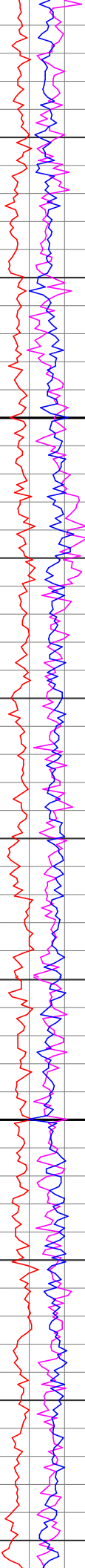
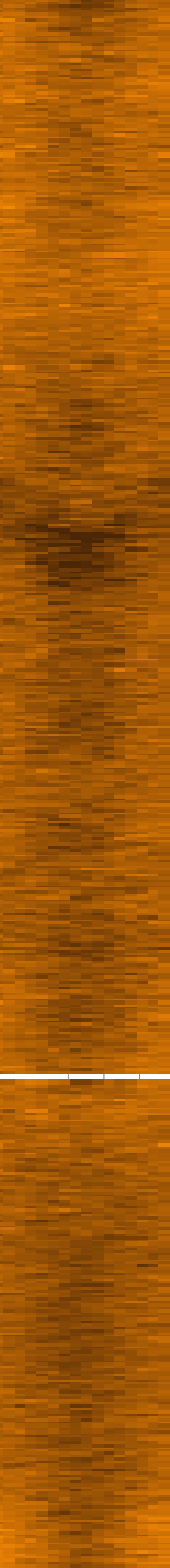
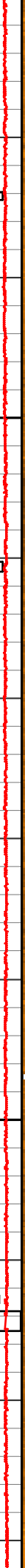
90.9 134.5
1950 2443.6

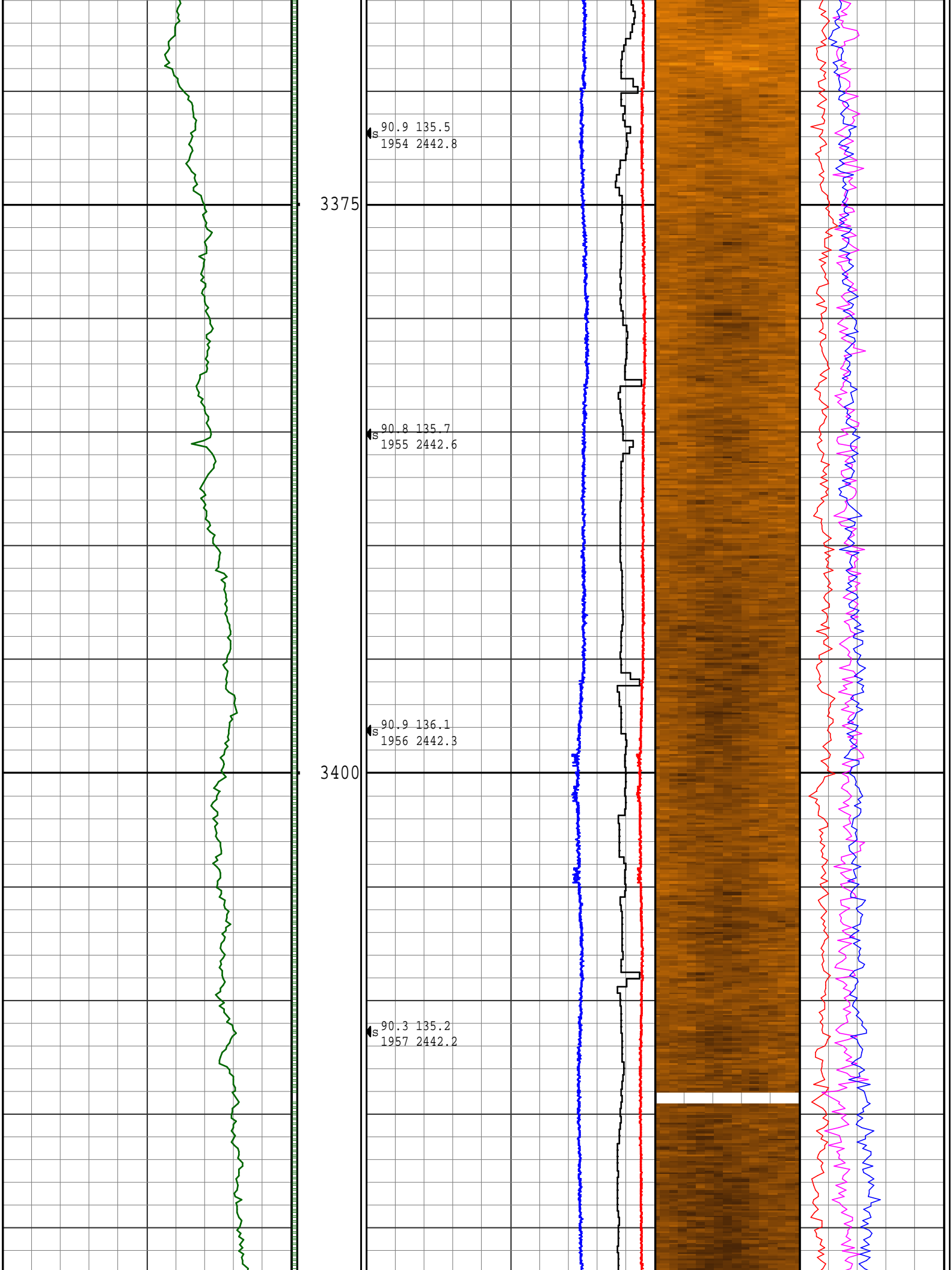
90.9 134.7
1951 2443.4

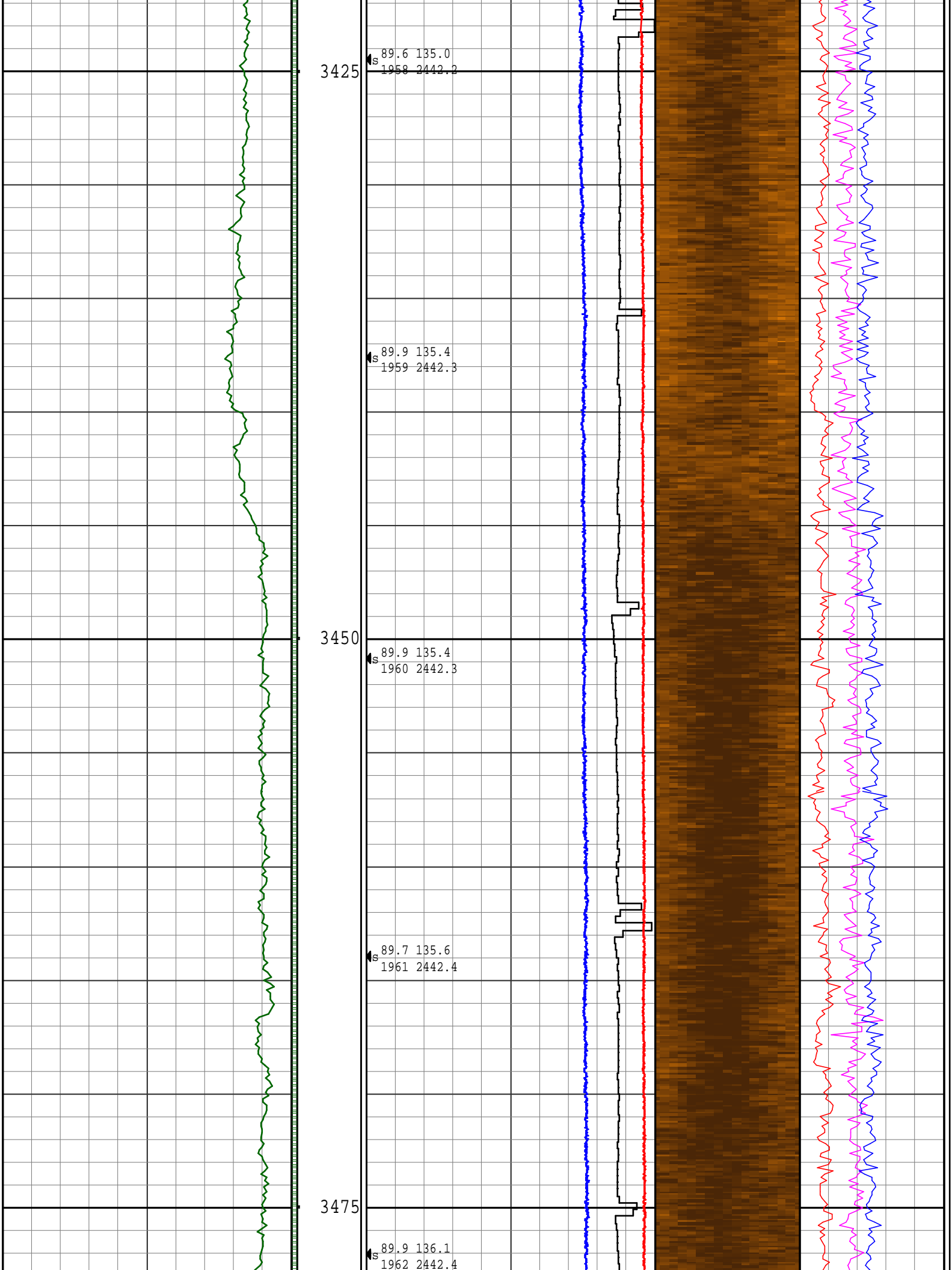
90.9 135.1
1952 2443.2

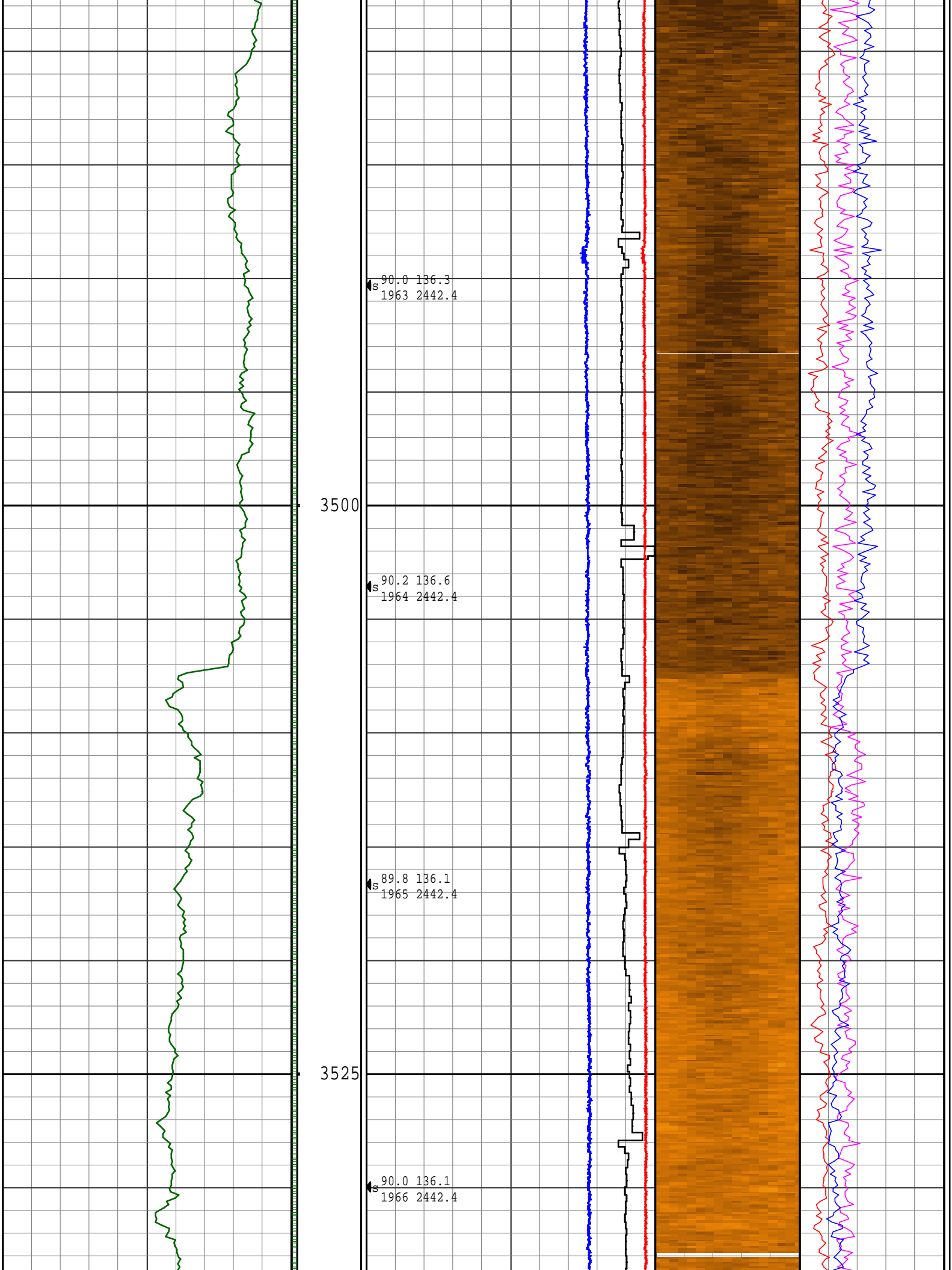
3350

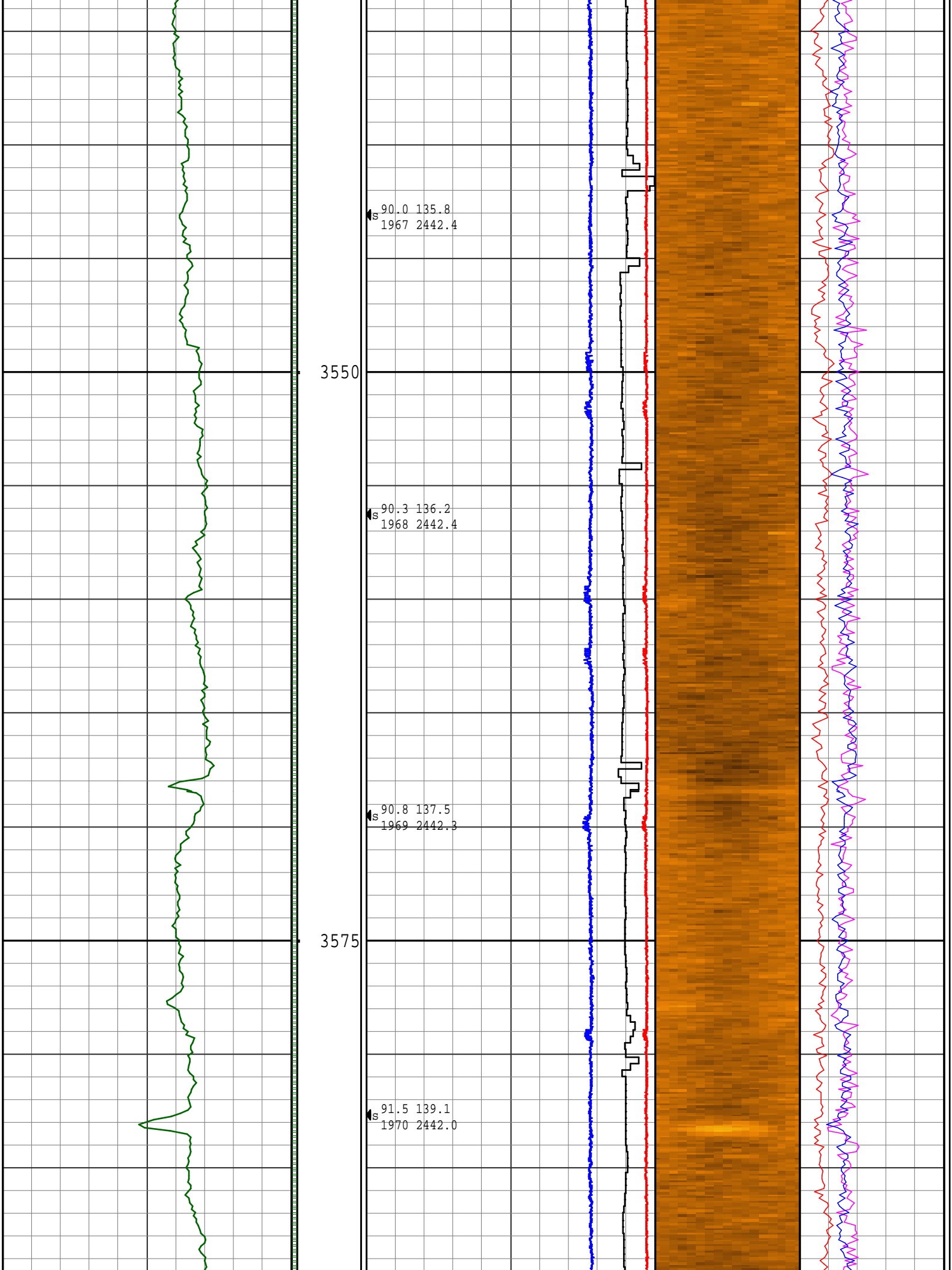
90.9 135.3
1953 2443.0

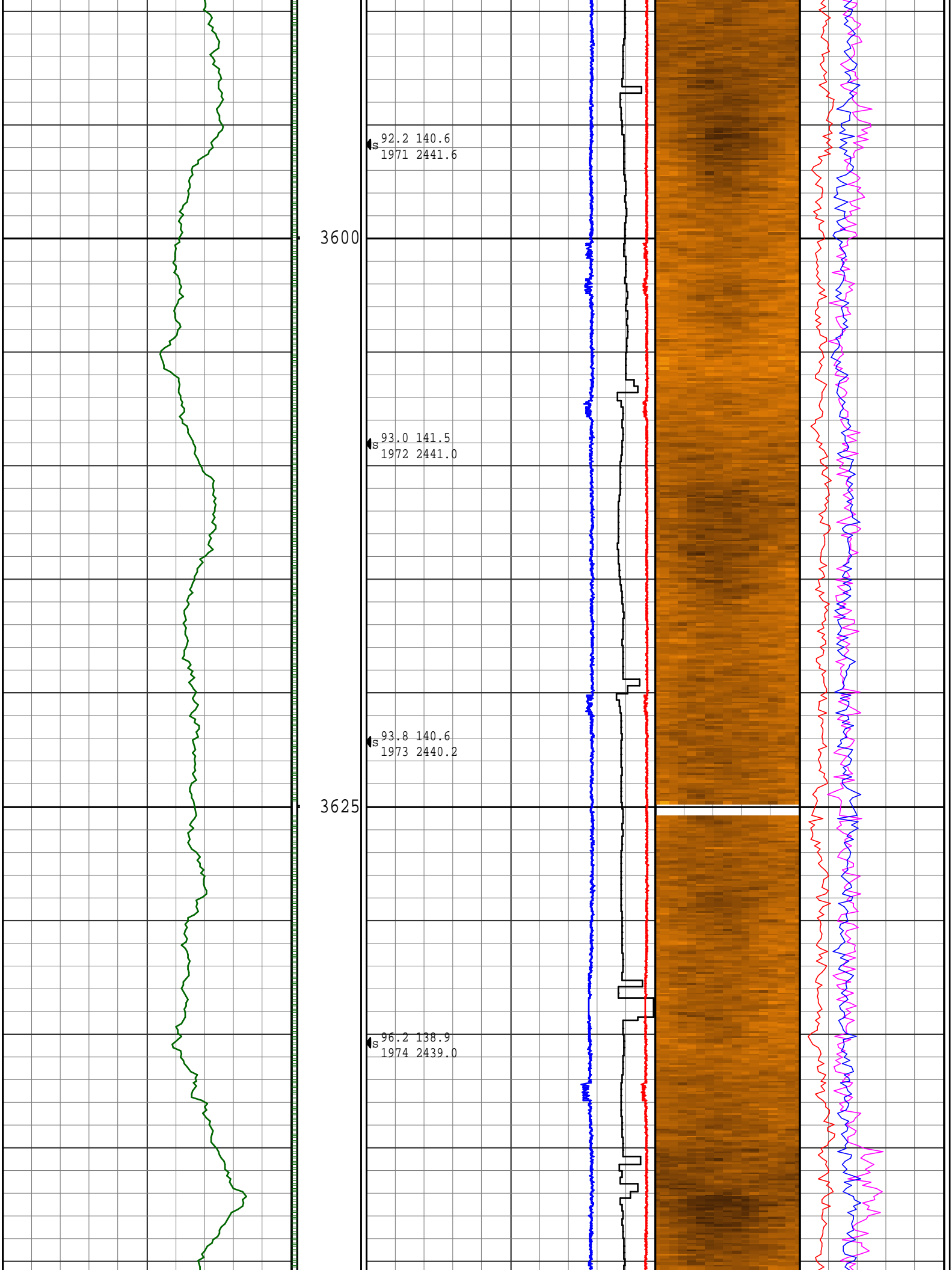


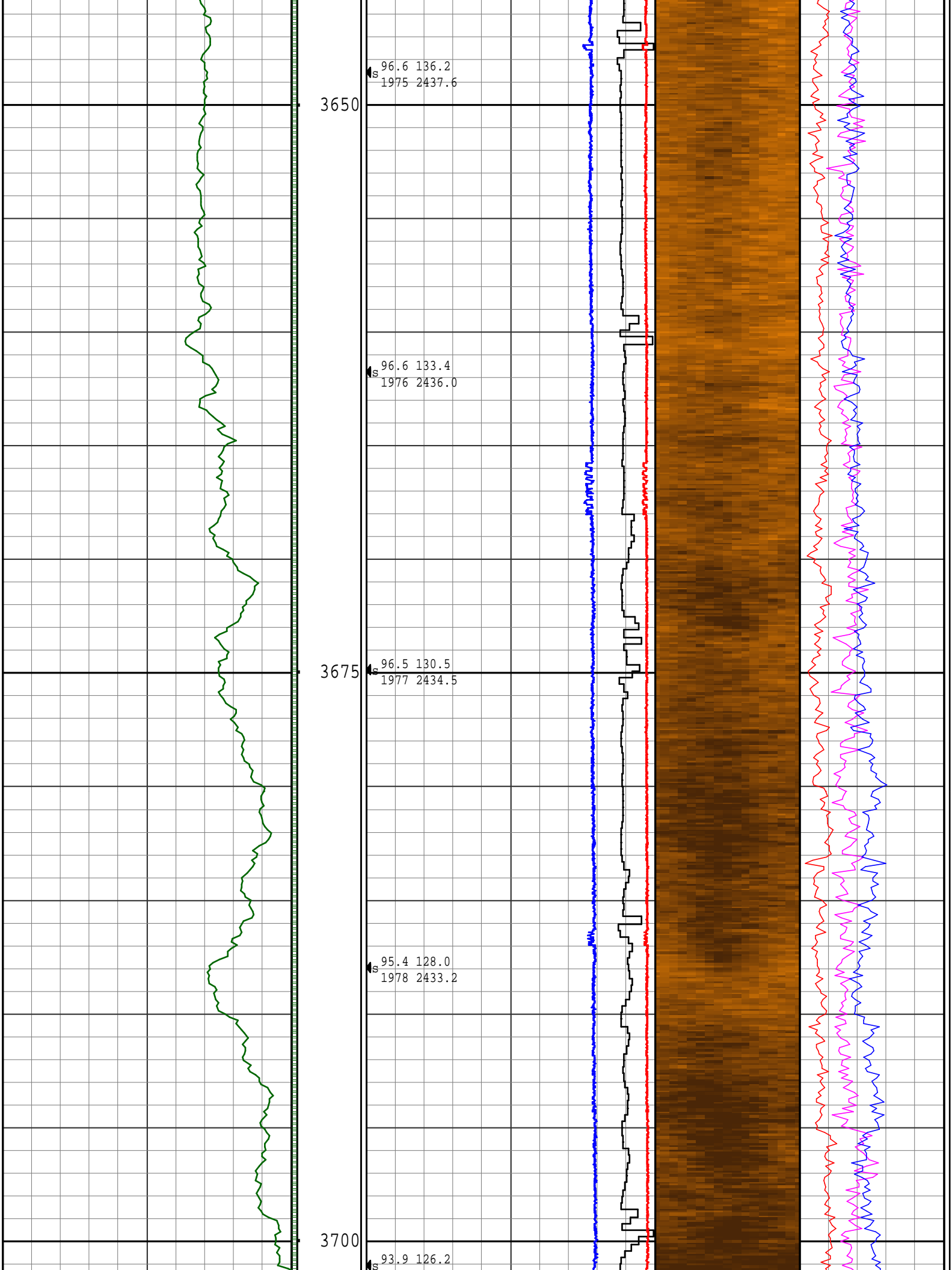


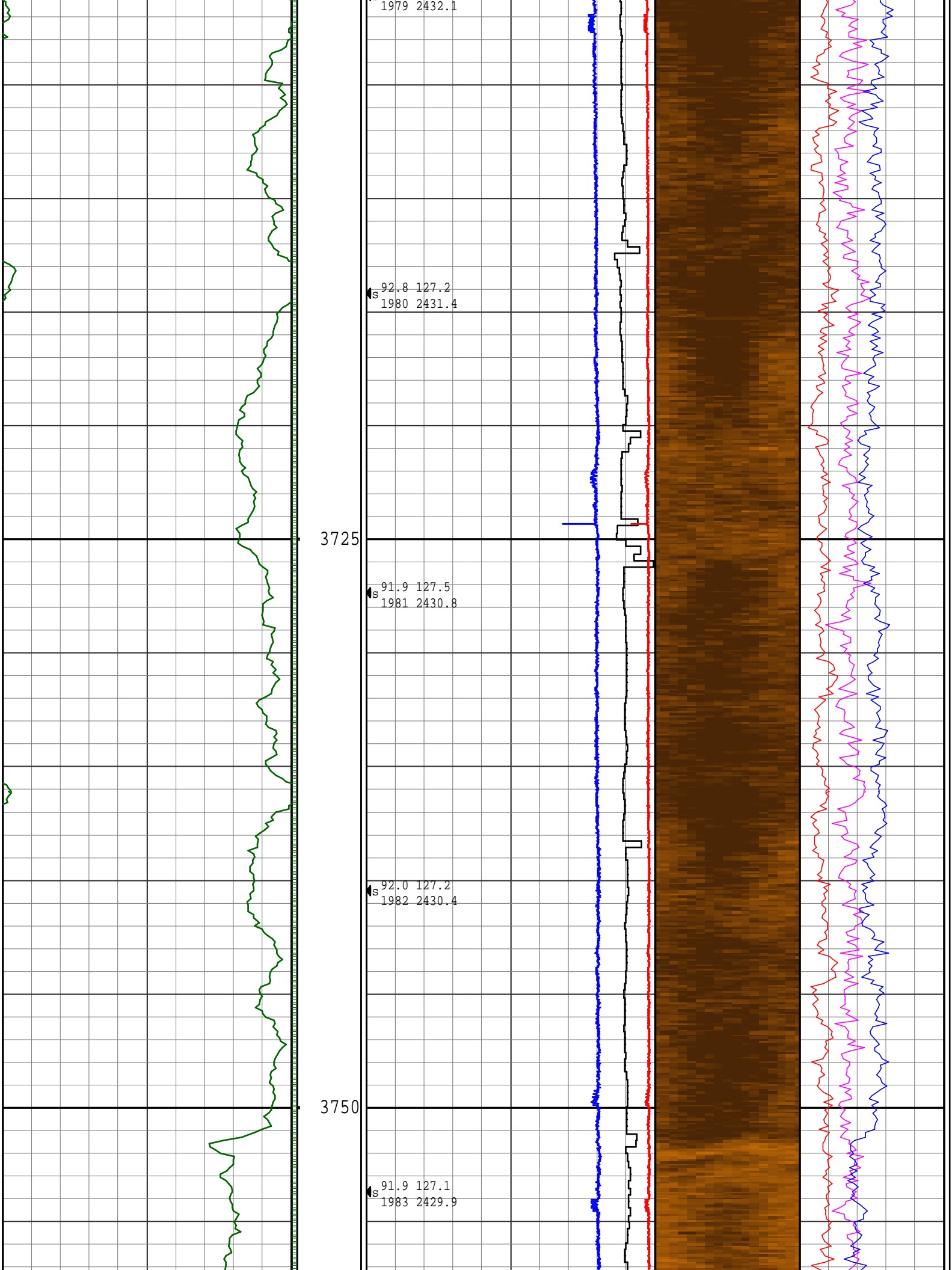


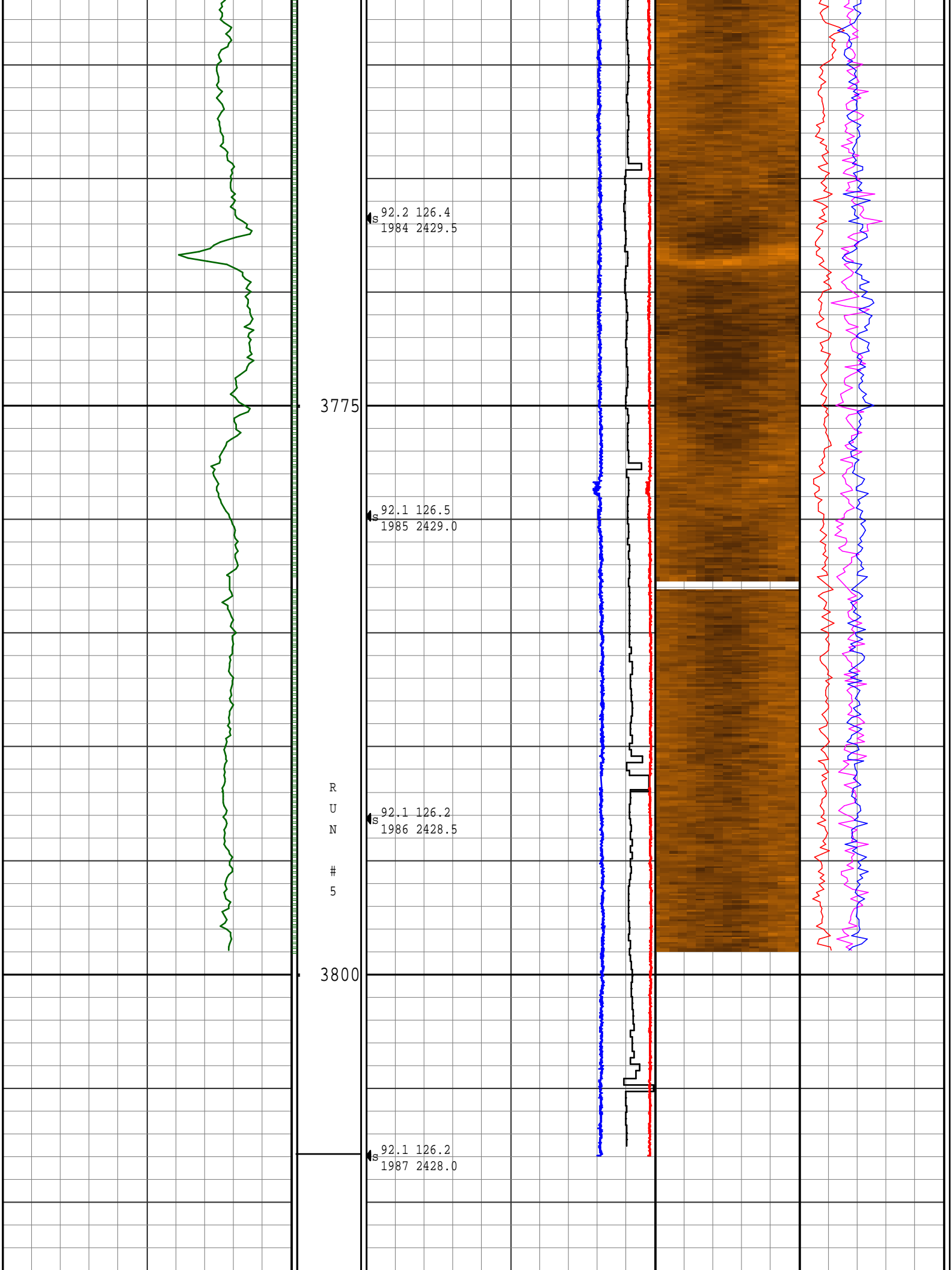












3775

3800

R
U
N

5

[illegible]

Survey Report

Vertical Section Plane: 135.00°	Total Correction: 3.64° East to Grid
Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
North Aligned to: Grid North	Well: AMUNGEE NW-1H

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
ORIGIN OF WELL AT SURFACE								
0.00	0.00	0.00	0.00		-0.00	0.00 N		
5.35	0.03	0.00	5.35	5.35	-0.00	0.00 N	0.17	
42.11	0.27	0.00	42.11	36.76	-0.07	0.10 N	0.20	
43.13	0.27	0.00	43.13	1.02	-0.07	0.10 N	0.00	
44.15	0.27	0.00	44.15	1.02	-0.08	0.11 N	0.00	
45.16	0.26	0.00	45.16	1.01	-0.08	0.11 N	0.30	
46.18	0.26	0.00	46.18	1.02	-0.08	0.12 N	0.00	
47.19	0.26	0.00	47.19	1.01	-0.09	0.12 N	0.00	
48.21	0.26	0.00	48.21	1.02	-0.09	0.13 N	0.00	
49.23	0.27	0.00	49.23	1.02	-0.09	0.13 N	0.29	
50.24	0.28	0.00	50.24	1.01	-0.10	0.14 N	0.30	
51.26	0.29	0.00	51.26	1.02	-0.10	0.14 N	0.29	
52.27	0.29	0.00	52.27	1.01	-0.10	0.15 N	0.00	
53.29	0.29	0.00	53.29	1.02	-0.11	0.15 N	0.00	
54.31	0.31	0.00	54.31	1.02	-0.11	0.16 N	0.59	
55.32	0.33	0.00	55.32	1.01	-0.11	0.16 N	0.59	
56.34	0.34	0.00	56.34	1.02	-0.12	0.17 N	0.29	
57.35	0.34	0.00	57.35	1.01	-0.12	0.17 N	0.00	
58.37	0.35	0.00	58.37	1.02	-0.13	0.18 N	0.30	
59.39	0.34	0.00	59.39	1.02	-0.13	0.19 N	0.30	
60.40	0.35	0.00	60.40	1.01	-0.14	0.19 N	0.30	
61.42	0.34	0.00	61.42	1.02	-0.14	0.20 N	0.30	
62.43	0.31	0.00	62.43	1.01	-0.14	0.20 N	0.89	
63.45	0.32	0.00	63.45	1.02	-0.15	0.21 N	0.29	
64.47	0.32	0.00	64.47	1.02	-0.15	0.22 N	0.00	
65.48	0.31	0.00	65.48	1.01	-0.16	0.22 N	0.30	
66.50	0.30	0.00	66.50	1.02	-0.16	0.23 N	0.30	
67.51	0.30	0.00	67.51	1.01	-0.16	0.23 N	0.00	
68.53	0.30	0.00	68.53	1.02	-0.17	0.24 N	0.00	
69.55	0.30	0.00	69.55	1.02	-0.17	0.24 N	0.00	
70.56	0.30	0.00	70.56	1.01	-0.17	0.25 N	0.00	
71.58	0.30	0.00	71.58	1.02	-0.18	0.25 N	0.00	
72.59	0.30	0.00	72.59	1.01	-0.18	0.26 N	0.00	
73.61	0.30	0.00	73.61	1.02	-0.19	0.26 N	0.00	
74.63	0.30	0.00	74.63	1.02	-0.19	0.27 N	0.00	
75.64	0.29	0.00	75.64	1.01	-0.19	0.27 N	0.30	
76.66	0.28	0.00	76.66	1.02	-0.20	0.28 N	0.29	
77.67	0.28	0.00	77.67	1.01	-0.20	0.28 N	0.00	
78.69	0.29	0.00	78.69	1.02	-0.20	0.29 N	0.29	
79.71	0.30	0.00	79.71	1.02	-0.21	0.29 N	0.30	
80.72	0.31	0.00	80.72	1.01	-0.21	0.30 N	0.30	
81.74	0.32	0.00	81.74	1.02	-0.22	0.31 N	0.29	

82.75	0.31	0.00	82.75	1.01	-0.22	0.31 N	0.30
83.77	0.30	0.00	83.77	1.02	-0.22	0.32 N	0.30
84.79	0.30	0.00	84.79	1.02	-0.23	0.32 N	0.00
85.80	0.30	0.00	85.80	1.01	-0.23	0.33 N	0.00
86.82	0.30	0.00	86.82	1.02	-0.23	0.33 N	0.00
87.83	0.30	0.00	87.83	1.01	-0.24	0.34 N	0.00
88.85	0.32	0.00	88.85	1.02	-0.24	0.34 N	0.59
89.87	0.32	0.00	89.87	1.02	-0.25	0.35 N	0.00
90.88	0.32	0.00	90.88	1.01	-0.25	0.35 N	0.00

Survey Report

Vertical Section Plane: 135.00°	Total Correction: 3.64° East to Grid
Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
North Aligned to: Grid North	Well: AMUNGEE NW-1H

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
91.90	0.32	0.00	91.90	1.02	-0.25	0.36 N	0.00	
92.91	0.33	0.00	92.91	1.01	-0.26	0.37 N	0.30	
93.93	0.33	0.00	93.93	1.02	-0.26	0.37 N	0.00	
94.95	0.33	0.00	94.95	1.02	-0.27	0.38 N	0.00	
95.96	0.33	0.00	95.96	1.01	-0.27	0.38 N	0.00	
96.98	0.33	0.00	96.98	1.02	-0.28	0.39 N	0.00	
97.99	0.33	0.00	97.99	1.01	-0.28	0.40 N	0.00	
99.01	0.33	0.00	99.01	1.02	-0.28	0.40 N	0.00	
100.03	0.32	0.00	100.03	1.02	-0.29	0.41 N	0.30	
101.04	0.32	0.00	101.04	1.01	-0.29	0.41 N	0.00	
102.06	0.33	0.00	102.06	1.02	-0.30	0.42 N	0.30	
103.07	0.31	0.00	103.07	1.01	-0.30	0.42 N	0.59	
104.09	0.29	0.00	104.09	1.02	-0.30	0.43 N	0.59	
105.11	0.30	0.00	105.11	1.02	-0.31	0.43 N	0.30	
106.12	0.31	0.00	106.12	1.01	-0.31	0.44 N	0.30	
107.14	0.31	0.00	107.14	1.02	-0.31	0.45 N	0.00	
108.15	0.31	0.00	108.15	1.01	-0.32	0.45 N	0.00	
109.17	0.29	0.00	109.17	1.02	-0.32	0.46 N	0.59	
110.19	0.28	0.00	110.19	1.02	-0.33	0.46 N	0.29	
111.20	0.28	0.00	111.20	1.01	-0.33	0.47 N	0.00	
112.22	0.26	0.00	112.22	1.02	-0.33	0.47 N	0.59	
113.23	0.26	0.00	113.23	1.01	-0.34	0.48 N	0.00	
114.25	0.26	0.00	114.25	1.02	-0.34	0.48 N	0.00	
115.27	0.26	0.00	115.27	1.02	-0.34	0.48 N	0.00	
116.28	0.25	0.00	116.28	1.01	-0.35	0.49 N	0.30	
117.30	0.26	0.00	117.30	1.02	-0.35	0.49 N	0.30	
118.31	0.26	0.00	118.31	1.01	-0.35	0.50 N	0.00	
119.33	0.28	0.00	119.33	1.02	-0.36	0.50 N	0.59	
120.35	0.29	0.00	120.35	1.02	-0.36	0.51 N	0.29	
121.36	0.32	0.00	121.36	1.01	-0.36	0.51 N	0.89	
122.38	0.35	0.00	122.38	1.02	-0.37	0.52 N	0.88	
123.39	0.38	0.00	123.39	1.01	-0.37	0.53 N	0.89	
124.41	0.41	0.00	124.41	1.02	-0.38	0.53 N	0.88	
125.43	0.42	0.00	125.43	1.02	-0.38	0.54 N	0.29	
126.44	0.40	0.00	126.44	1.01	-0.39	0.55 N	0.59	
127.46	0.39	0.00	127.46	1.02	-0.39	0.55 N	0.29	
128.47	0.39	0.00	128.47	1.01	-0.40	0.56 N	0.00	
129.49	0.38	0.00	129.49	1.02	-0.40	0.57 N	0.30	
130.51	0.35	0.00	130.51	1.02	-0.41	0.57 N	0.88	
131.52	0.38	0.00	131.52	1.01	-0.41	0.58 N	0.89	
132.54	0.39	0.00	132.54	1.02	-0.42	0.59 N	0.30	
133.55	0.40	0.00	133.55	1.01	-0.42	0.60 N	0.30	
134.57	0.41	0.00	134.57	1.02	-0.43	0.60 N	0.30	
135.59	0.41	0.00	135.59	1.02	-0.43	0.61 N	0.00	
136.60	0.44	0.00	136.60	1.01	-0.44	0.62 N	0.89	
137.62	0.46	0.00	137.62	1.02	-0.44	0.63 N	0.59	

137.62	0.46	0.00	137.62	1.02	-0.44	0.63 N	0.59
138.63	0.46	0.00	138.63	1.01	-0.45	0.63 N	0.00
139.65	0.47	0.00	139.65	1.02	-0.45	0.64 N	0.29
140.67	0.49	0.00	140.67	1.02	-0.46	0.65 N	0.59
141.68	0.49	0.00	141.68	1.01	-0.47	0.66 N	0.00
142.70	0.50	0.00	142.70	1.02	-0.47	0.67 N	0.30
143.71	0.52	0.00	143.71	1.01	-0.48	0.68 N	0.59

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
144.73	0.53	0.00	144.73	1.02	-0.48	0.69 N	0.29	
145.75	0.54	0.00	145.75	1.02	-0.49	0.70 N	0.30	
146.76	0.55	0.00	146.76	1.01	-0.50	0.70 N	0.30	
147.78	0.57	0.00	147.78	1.02	-0.51	0.71 N	0.59	
148.79	0.59	0.00	148.79	1.01	-0.51	0.73 N	0.59	
149.81	0.60	0.00	149.81	1.02	-0.52	0.74 N	0.30	
150.83	0.62	0.00	150.83	1.02	-0.53	0.75 N	0.59	
151.84	0.63	0.00	151.84	1.01	-0.54	0.76 N	0.30	
152.86	0.65	0.00	152.86	1.02	-0.54	0.77 N	0.59	
153.87	0.67	0.00	153.87	1.01	-0.55	0.78 N	0.59	
154.89	0.69	0.00	154.89	1.02	-0.56	0.79 N	0.59	
155.91	0.70	0.00	155.91	1.02	-0.57	0.81 N	0.29	
156.92	0.72	0.00	156.92	1.01	-0.58	0.82 N	0.59	
157.94	0.73	0.00	157.94	1.02	-0.59	0.83 N	0.30	
158.95	0.75	0.00	158.95	1.01	-0.60	0.84 N	0.59	
159.97	0.77	0.00	159.97	1.02	-0.61	0.86 N	0.59	
160.99	0.77	0.00	160.99	1.02	-0.62	0.87 N	0.00	
162.00	0.77	0.00	162.00	1.01	-0.63	0.88 N	0.00	
163.02	0.82	0.00	163.02	1.02	-0.64	0.90 N	1.47	
164.03	0.84	0.00	164.03	1.01	-0.65	0.91 N	0.59	
165.05	0.86	0.00	165.05	1.02	-0.66	0.93 N	0.59	
166.07	0.88	0.00	166.07	1.02	-0.67	0.94 N	0.59	
167.08	0.90	0.00	167.08	1.01	-0.68	0.96 N	0.59	
168.10	0.90	0.00	168.10	1.02	-0.69	0.98 N	0.00	
169.11	0.92	0.00	169.11	1.01	-0.70	0.99 N	0.59	
170.13	0.94	0.00	170.13	1.02	-0.71	1.01 N	0.59	
171.15	0.94	0.00	171.15	1.02	-0.72	1.02 N	0.00	
172.16	0.93	0.00	172.16	1.01	-0.74	1.04 N	0.30	
173.18	0.91	0.00	173.18	1.02	-0.75	1.06 N	0.59	
174.19	0.90	0.00	174.19	1.01	-0.76	1.07 N	0.30	
175.21	0.90	0.00	175.21	1.02	-0.77	1.09 N	0.00	
176.23	0.90	0.00	176.23	1.02	-0.78	1.11 N	0.00	
177.24	0.90	0.00	177.24	1.01	-0.79	1.12 N	0.00	
178.26	0.90	0.00	178.25	1.02	-0.80	1.14 N	0.00	
179.27	0.90	0.00	179.26	1.01	-0.82	1.15 N	0.00	
180.29	0.91	0.00	180.28	1.02	-0.83	1.17 N	0.29	
181.31	0.91	0.00	181.30	1.02	-0.84	1.19 N	0.00	
182.32	0.92	0.00	182.31	1.01	-0.85	1.20 N	0.30	
183.34	0.94	0.00	183.33	1.02	-0.86	1.22 N	0.59	
184.35	0.94	0.00	184.34	1.01	-0.87	1.24 N	0.00	
185.37	0.94	0.00	185.36	1.02	-0.89	1.25 N	0.00	
186.39	0.94	0.00	186.38	1.02	-0.90	1.27 N	0.00	
187.40	0.93	0.00	187.39	1.01	-0.91	1.28 N	0.30	
188.42	0.94	0.00	188.41	1.02	-0.92	1.30 N	0.29	
189.43	0.93	0.00	189.42	1.01	-0.93	1.32 N	0.30	
190.45	0.93	0.00	190.44	1.02	-0.94	1.33 N	0.00	
191.47	0.93	0.00	191.46	1.02	-0.96	1.35 N	0.00	
192.48	0.95	0.00	192.47	1.01	-0.97	1.37 N	0.59	

193.50	0.95	0.00	193.49	1.02	-0.98	1.38 N	0.00
194.51	0.97	0.00	194.50	1.01	-0.99	1.40 N	0.59
195.53	0.99	0.00	195.52	1.02	-1.00	1.42 N	0.59
196.55	1.00	0.00	196.54	1.02	-1.02	1.44 N	0.29

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
197.56	1.01	0.00	197.55	1.01	-1.03	1.45 N	0.30	
198.58	1.02	0.00	198.57	1.02	-1.04	1.47 N	0.29	
199.59	1.04	0.00	199.58	1.01	-1.05	1.49 N	0.59	
200.61	1.04	0.00	200.60	1.02	-1.07	1.51 N	0.00	
201.63	1.04	0.00	201.62	1.02	-1.08	1.53 N	0.00	
202.64	1.05	0.00	202.63	1.01	-1.09	1.55 N	0.30	
203.66	1.04	0.00	203.65	1.02	-1.11	1.56 N	0.30	
204.67	1.03	0.00	204.66	1.01	-1.12	1.58 N	0.30	
205.69	1.03	0.00	205.68	1.02	-1.13	1.60 N	0.00	
206.71	1.01	0.00	206.70	1.02	-1.15	1.62 N	0.59	
207.72	0.99	0.00	207.71	1.01	-1.16	1.64 N	0.59	
208.74	0.96	0.00	208.73	1.02	-1.17	1.65 N	0.88	
209.75	0.95	0.00	209.74	1.01	-1.18	1.67 N	0.30	
210.77	0.94	0.00	210.76	1.02	-1.19	1.69 N	0.30	
211.79	0.90	0.00	211.78	1.02	-1.21	1.70 N	1.18	
212.80	0.91	0.00	212.79	1.01	-1.22	1.72 N	0.30	
213.82	0.91	0.00	213.81	1.02	-1.23	1.74 N	0.00	
214.83	0.90	0.00	214.82	1.01	-1.24	1.75 N	0.30	
215.85	0.88	0.00	215.84	1.02	-1.25	1.77 N	0.59	
216.87	0.88	0.00	216.86	1.02	-1.26	1.78 N	0.00	
217.88	0.87	0.00	217.87	1.01	-1.27	1.80 N	0.30	
218.90	0.87	0.00	218.89	1.02	-1.28	1.82 N	0.00	
219.91	0.87	0.00	219.90	1.01	-1.29	1.83 N	0.00	
220.93	0.87	0.00	220.92	1.02	-1.31	1.85 N	0.00	
221.95	0.88	0.00	221.94	1.02	-1.32	1.86 N	0.30	
222.96	0.87	0.00	222.95	1.01	-1.33	1.88 N	0.30	
223.98	0.87	0.00	223.97	1.02	-1.34	1.89 N	0.00	
224.99	0.87	0.00	224.98	1.01	-1.35	1.91 N	0.00	
226.01	0.86	0.00	226.00	1.02	-1.36	1.92 N	0.29	
227.03	0.85	0.00	227.02	1.02	-1.37	1.94 N	0.30	
228.04	0.84	0.00	228.03	1.01	-1.38	1.95 N	0.30	
229.06	0.84	0.00	229.05	1.02	-1.39	1.97 N	0.00	
230.07	0.85	0.00	230.06	1.01	-1.40	1.98 N	0.30	
231.09	0.87	0.00	231.08	1.02	-1.41	2.00 N	0.59	
232.11	0.86	0.00	232.10	1.02	-1.42	2.01 N	0.29	
233.12	0.78	0.00	233.11	1.01	-1.43	2.03 N	2.38	
234.14	0.79	0.00	234.13	1.02	-1.44	2.04 N	0.29	
235.15	0.82	0.00	235.14	1.01	-1.45	2.06 N	0.89	
236.17	0.80	0.00	236.16	1.02	-1.46	2.07 N	0.59	
237.19	0.78	0.00	237.18	1.02	-1.47	2.08 N	0.59	
238.20	0.70	0.00	238.19	1.01	-1.48	2.10 N	2.38	
239.22	0.68	0.00	239.21	1.02	-1.49	2.11 N	0.59	
240.23	0.69	0.00	240.22	1.01	-1.50	2.12 N	0.30	
241.25	0.66	0.00	241.24	1.02	-1.51	2.13 N	0.88	
242.27	0.63	0.00	242.26	1.02	-1.52	2.15 N	0.88	
243.28	0.62	0.00	243.27	1.01	-1.53	2.16 N	0.30	
244.30	0.61	0.00	244.29	1.02	-1.53	2.17 N	0.29	
245.31	0.62	0.00	245.30	1.01	-1.54	2.18 N	0.30	
246.33	0.63	0.00	246.32	1.02	-1.55	2.19 N	0.30	
247.35	0.64	0.00	247.34	1.02	-1.56	2.20 N	0.29	

248.36	0.66	0.00	248.35	1.01	-1.56	2.21 N	0.59
249.38	0.68	0.00	249.37	1.02	-1.57	2.22 N	0.59

Survey Report

Vertical Section Plane: 135.00°	Total Correction: 3.64° East to Grid
Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
North Aligned to: Grid North	Well: AMUNGEE NW-1H

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
250.39	0.69	0.00	250.38	1.01	-1.58	2.24 N	0.30	
251.41	0.71	0.00	251.40	1.02	-1.59	2.25 N	0.59	
252.43	0.71	0.00	252.42	1.02	-1.60	2.26 N	0.00	
253.44	0.70	0.00	253.43	1.01	-1.61	2.27 N	0.30	
254.46	0.74	0.00	254.45	1.02	-1.62	2.29 N	1.18	
255.47	0.74	0.00	255.46	1.01	-1.63	2.30 N	0.00	
256.49	0.75	0.00	256.48	1.02	-1.64	2.31 N	0.30	
257.51	0.75	0.00	257.50	1.02	-1.65	2.33 N	0.00	
258.52	0.75	0.00	258.51	1.01	-1.65	2.34 N	0.00	
259.54	0.76	0.00	259.53	1.02	-1.66	2.35 N	0.30	
260.55	0.78	0.00	260.54	1.01	-1.67	2.37 N	0.59	
261.57	0.79	0.00	261.56	1.02	-1.68	2.38 N	0.29	
262.59	0.80	0.00	262.58	1.02	-1.69	2.39 N	0.30	
263.60	0.82	0.00	263.59	1.01	-1.70	2.41 N	0.59	
264.62	0.84	0.00	264.61	1.02	-1.71	2.42 N	0.59	
265.63	0.90	0.00	265.62	1.01	-1.72	2.44 N	1.78	
266.65	0.96	0.00	266.63	1.02	-1.74	2.46 N	1.76	
267.67	1.02	0.00	267.65	1.02	-1.75	2.47 N	1.76	
268.68	1.07	0.00	268.66	1.01	-1.76	2.49 N	1.49	
269.70	1.11	0.00	269.68	1.02	-1.78	2.51 N	1.18	
270.71	1.16	0.00	270.69	1.01	-1.79	2.53 N	1.49	
271.73	1.19	0.00	271.71	1.02	-1.80	2.55 N	0.88	
272.75	1.23	0.00	272.73	1.02	-1.82	2.57 N	1.18	
273.76	1.25	0.00	273.74	1.01	-1.84	2.60 N	0.59	
274.78	1.27	0.00	274.76	1.02	-1.85	2.62 N	0.59	
275.79	1.29	0.00	275.77	1.01	-1.87	2.64 N	0.59	
276.81	1.31	0.00	276.79	1.02	-1.88	2.66 N	0.59	
277.83	1.30	0.00	277.81	1.02	-1.90	2.69 N	0.30	
278.84	1.32	0.00	278.82	1.01	-1.92	2.71 N	0.59	
279.86	1.32	0.00	279.84	1.02	-1.93	2.73 N	0.00	
280.87	1.31	0.00	280.85	1.01	-1.95	2.76 N	0.30	
281.89	1.30	0.00	281.87	1.02	-1.97	2.78 N	0.30	
282.91	1.30	0.00	282.89	1.02	-1.98	2.80 N	0.00	
283.92	1.30	0.00	283.90	1.01	-2.00	2.83 N	0.00	
284.94	1.30	0.00	284.92	1.02	-2.01	2.85 N	0.00	
285.95	1.29	0.00	285.93	1.01	-2.03	2.87 N	0.30	
286.97	1.29	0.00	286.95	1.02	-2.05	2.89 N	0.00	
287.99	1.30	0.00	287.97	1.02	-2.06	2.92 N	0.29	
289.00	1.30	0.00	288.98	1.01	-2.08	2.94 N	0.00	
290.02	1.30	0.00	290.00	1.02	-2.10	2.96 N	0.00	
291.03	1.28	0.00	291.01	1.01	-2.11	2.99 N	0.59	
292.05	1.28	0.00	292.03	1.02	-2.13	3.01 N	0.00	
293.07	1.27	0.00	293.05	1.02	-2.14	3.03 N	0.29	
294.08	1.27	0.00	294.06	1.01	-2.16	3.05 N	0.00	
295.10	1.20	0.00	295.08	1.02	-2.18	3.08 N	2.06	
296.11	1.14	0.00	296.09	1.01	-2.19	3.10 N	1.78	
297.13	1.25	0.00	297.11	1.02	-2.21	3.12 N	3.23	
298.15	1.23	0.00	298.13	1.02	-2.22	3.14 N	0.59	
299.16	1.22	0.00	299.14	1.01	-2.24	3.16 N	0.30	
300.18	1.21	0.00	300.16	1.02	-2.25	3.18 N	0.30	
301.19	1.22	0.00	301.17	1.01	-2.27	3.21 N	0.30	
302.21	1.23	0.00	302.19	1.02	-2.28	3.23 N	0.30	

Survey Report

Vertical Section Plane: 135.00°	Total Correction: 3.64° East to Grid
Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
North Aligned to: Grid North	Well: AMUNGEE NW-1H

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
303.23	1.24	0.00	303.21	1.02	-2.30	3.25 N	0.29	
304.24	1.25	0.00	304.22	1.01	-2.31	3.27 N	0.30	
305.26	1.26	0.00	305.24	1.02	-2.33	3.29 N	0.29	
306.27	1.27	0.00	306.25	1.01	-2.34	3.32 N	0.30	
307.29	1.29	0.00	307.27	1.02	-2.36	3.34 N	0.59	
308.31	1.31	0.00	308.29	1.02	-2.38	3.36 N	0.59	
309.32	1.33	0.00	309.29	1.01	-2.39	3.38 N	0.59	
310.34	1.33	0.00	310.31	1.02	-2.41	3.41 N	0.00	
311.35	1.31	0.00	311.32	1.01	-2.43	3.43 N	0.59	
312.37	1.29	0.00	312.34	1.02	-2.44	3.45 N	0.59	
313.39	1.26	0.00	313.36	1.02	-2.46	3.48 N	0.88	
314.40	1.24	0.00	314.37	1.01	-2.47	3.50 N	0.59	
315.42	1.22	0.00	315.39	1.02	-2.49	3.52 N	0.59	
316.43	1.19	0.00	316.40	1.01	-2.51	3.54 N	0.89	
317.45	1.18	0.00	317.42	1.02	-2.52	3.56 N	0.29	
318.47	1.17	0.00	318.44	1.02	-2.53	3.58 N	0.30	
319.48	1.17	0.00	319.45	1.01	-2.55	3.61 N	0.00	
320.50	1.17	0.00	320.47	1.02	-2.56	3.63 N	0.00	
321.51	1.16	0.00	321.48	1.01	-2.58	3.65 N	0.30	
322.53	1.15	0.00	322.50	1.02	-2.59	3.67 N	0.30	
323.55	1.15	0.00	323.52	1.02	-2.61	3.69 N	0.00	
324.56	1.14	0.00	324.53	1.01	-2.62	3.71 N	0.30	
325.58	1.11	0.00	325.55	1.02	-2.64	3.73 N	0.88	
326.59	1.09	0.00	326.56	1.01	-2.65	3.75 N	0.59	
327.61	1.07	0.00	327.58	1.02	-2.66	3.77 N	0.59	
328.63	1.04	0.00	328.60	1.02	-2.68	3.79 N	0.88	
329.64	1.01	0.00	329.61	1.01	-2.69	3.80 N	0.89	
330.66	0.99	0.00	330.63	1.02	-2.70	3.82 N	0.59	
331.67	0.99	0.00	331.64	1.01	-2.71	3.84 N	0.00	
332.69	0.98	0.00	332.66	1.02	-2.73	3.86 N	0.30	
333.71	0.99	0.00	333.68	1.02	-2.74	3.87 N	0.30	
334.72	1.01	0.00	334.69	1.01	-2.75	3.89 N	0.59	
335.74	1.02	0.00	335.71	1.02	-2.76	3.91 N	0.29	
336.75	0.99	0.00	336.72	1.01	-2.78	3.93 N	0.89	
337.77	0.95	0.00	337.74	1.02	-2.79	3.94 N	1.18	
338.79	1.00	0.00	338.76	1.02	-2.80	3.96 N	1.47	
339.80	0.99	0.00	339.77	1.01	-2.81	3.98 N	0.30	
340.82	0.96	0.00	340.79	1.02	-2.83	4.00 N	0.88	
341.83	0.94	0.00	341.80	1.01	-2.84	4.01 N	0.59	
342.85	0.91	0.00	342.82	1.02	-2.85	4.03 N	0.88	
343.87	0.88	0.00	343.84	1.02	-2.86	4.05 N	0.88	
344.88	0.88	0.00	344.85	1.01	-2.87	4.06 N	0.00	
345.90	0.78	0.00	345.87	1.02	-2.88	4.08 N	2.94	
346.91	0.88	0.00	346.88	1.01	-2.89	4.09 N	2.97	
347.93	0.88	0.00	347.90	1.02	-2.90	4.11 N	0.00	
348.95	0.87	0.00	348.92	1.02	-2.91	4.12 N	0.30	
349.96	0.87	0.00	349.93	1.01	-2.93	4.14 N	0.00	
350.98	0.86	0.00	350.95	1.02	-2.94	4.15 N	0.29	
351.99	0.85	0.00	351.96	1.01	-2.95	4.17 N	0.30	
353.01	0.84	0.00	352.98	1.02	-2.96	4.18 N	0.29	
354.03	0.81	0.00	354.00	1.02	-2.97	4.20 N	0.88	
355.04	0.77	0.00	355.01	1.01	-2.98	4.21 N	1.19	

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
356.06	0.74	0.00	356.03	1.02	-2.99	4.22 N	0.88	
357.07	0.74	0.00	357.04	1.01	-3.00	4.24 N	0.00	
358.09	0.74	0.00	358.06	1.02	-3.01	4.25 N	0.00	
359.11	0.74	0.00	359.08	1.02	-3.02	4.26 N	0.00	
360.12	0.74	0.00	360.09	1.01	-3.02	4.28 N	0.00	
361.14	0.73	0.00	361.11	1.02	-3.03	4.29 N	0.29	
362.15	0.73	0.00	362.12	1.01	-3.04	4.30 N	0.00	
363.17	0.71	0.00	363.14	1.02	-3.05	4.32 N	0.59	
364.19	0.69	0.00	364.16	1.02	-3.06	4.33 N	0.59	
365.20	0.67	0.00	365.17	1.01	-3.07	4.34 N	0.59	
366.22	0.64	0.00	366.19	1.02	-3.08	4.35 N	0.88	
367.23	0.61	0.00	367.20	1.01	-3.09	4.36 N	0.89	
368.25	0.59	0.00	368.22	1.02	-3.09	4.37 N	0.59	
369.27	0.56	0.00	369.24	1.02	-3.10	4.38 N	0.88	
370.28	0.54	0.00	370.25	1.01	-3.11	4.39 N	0.59	
371.30	0.51	0.00	371.27	1.02	-3.11	4.40 N	0.88	
372.31	0.50	0.00	372.28	1.01	-3.12	4.41 N	0.30	
373.33	0.55	0.00	373.30	1.02	-3.13	4.42 N	1.47	
374.35	0.55	0.00	374.32	1.02	-3.13	4.43 N	0.00	
375.36	0.55	0.00	375.33	1.01	-3.14	4.44 N	0.00	
376.38	0.55	0.00	376.35	1.02	-3.15	4.45 N	0.00	
377.39	0.56	0.00	377.36	1.01	-3.15	4.46 N	0.30	
378.41	0.56	0.00	378.38	1.02	-3.16	4.47 N	0.00	
379.43	0.59	0.00	379.40	1.02	-3.17	4.48 N	0.88	
380.44	0.61	0.00	380.41	1.01	-3.18	4.49 N	0.60	
381.46	0.60	0.00	381.43	1.02	-3.18	4.50 N	0.30	
382.47	0.59	0.00	382.44	1.01	-3.19	4.51 N	0.30	
383.49	0.62	0.00	383.46	1.02	-3.20	4.52 N	0.88	
384.51	0.61	0.00	384.48	1.02	-3.21	4.53 N	0.29	
385.52	0.60	0.00	385.49	1.01	-3.21	4.54 N	0.30	
386.54	0.59	0.00	386.51	1.02	-3.22	4.56 N	0.30	
387.55	0.58	0.00	387.52	1.01	-3.23	4.57 N	0.30	
388.57	0.57	0.00	388.54	1.02	-3.24	4.58 N	0.30	
389.59	0.50	0.00	389.56	1.02	-3.24	4.59 N	2.06	
390.60	0.55	0.00	390.57	1.01	-3.25	4.59 N	1.48	
391.62	0.55	0.00	391.59	1.02	-3.26	4.60 N	0.00	
392.63	0.56	0.00	392.59	1.01	-3.26	4.61 N	0.30	
393.65	0.56	0.00	393.61	1.02	-3.27	4.62 N	0.00	
394.67	0.55	0.00	394.63	1.02	-3.28	4.63 N	0.30	
395.68	0.52	0.00	395.64	1.01	-3.28	4.64 N	0.89	
396.70	0.49	0.00	396.66	1.02	-3.29	4.65 N	0.88	
397.71	0.46	0.00	397.67	1.01	-3.30	4.66 N	0.89	
398.73	0.38	0.00	398.69	1.02	-3.30	4.67 N	2.35	
399.75	0.42	0.00	399.71	1.02	-3.31	4.68 N	1.18	
400.76	0.40	0.00	400.72	1.01	-3.31	4.68 N	0.59	
401.78	0.37	0.00	401.74	1.02	-3.32	4.69 N	0.88	
402.79	0.38	0.00	402.75	1.01	-3.32	4.70 N	0.30	
403.81	0.39	0.00	403.77	1.02	-3.33	4.70 N	0.30	
404.83	0.40	0.00	404.79	1.02	-3.33	4.71 N	0.29	
405.84	0.42	0.00	405.80	1.01	-3.34	4.72 N	0.59	
406.86	0.43	0.00	406.82	1.02	-3.34	4.72 N	0.30	
407.87	0.45	0.00	407.83	1.01	-3.35	4.73 N	0.59	

Vertical Section Plane: 135.00°					Total Correction: 3.64° East to Grid			
Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			
North Aligned to: Grid North					Well: AMUNGEE NW-1H			
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
408.89	0.47	0.00	408.85	1.02	-3.35	4.74 N	0.59	
409.91	0.48	0.00	409.87	1.02	-3.36	4.75 N	0.30	
410.92	0.48	0.00	410.88	1.01	-3.36	4.76 N	0.00	
411.94	0.48	0.00	411.90	1.02	-3.37	4.77 N	0.00	
412.95	0.45	0.00	412.91	1.01	-3.38	4.77 N	0.89	
413.97	0.44	0.00	413.93	1.02	-3.38	4.78 N	0.30	
414.99	0.45	0.00	414.95	1.02	-3.39	4.79 N	0.30	
416.00	0.48	0.00	415.96	1.01	-3.39	4.80 N	0.89	
417.02	0.51	0.00	416.98	1.02	-3.40	4.81 N	0.88	
418.03	0.51	0.00	417.99	1.01	-3.41	4.82 N	0.00	
419.05	0.51	0.00	419.01	1.02	-3.41	4.83 N	0.00	
420.07	0.51	0.00	420.03	1.02	-3.42	4.83 N	0.00	
421.08	0.50	0.00	421.04	1.01	-3.42	4.84 N	0.30	
422.10	0.48	0.00	422.06	1.02	-3.43	4.85 N	0.59	
423.11	0.48	0.00	423.07	1.01	-3.44	4.86 N	0.00	
424.13	0.48	0.00	424.09	1.02	-3.44	4.87 N	0.00	
425.15	0.48	0.00	425.11	1.02	-3.45	4.88 N	0.00	
426.16	0.47	0.00	426.12	1.01	-3.46	4.89 N	0.30	
427.18	0.46	0.00	427.14	1.02	-3.46	4.89 N	0.29	
428.19	0.42	0.00	428.15	1.01	-3.47	4.90 N	1.19	
429.21	0.46	0.00	429.17	1.02	-3.47	4.91 N	1.18	
430.23	0.47	0.00	430.19	1.02	-3.48	4.92 N	0.29	
431.24	0.46	0.00	431.20	1.01	-3.48	4.93 N	0.30	
432.26	0.46	0.00	432.22	1.02	-3.49	4.93 N	0.00	
433.27	0.45	0.00	433.23	1.01	-3.50	4.94 N	0.30	
434.29	0.43	0.00	434.25	1.02	-3.50	4.95 N	0.59	
435.31	0.41	0.00	435.27	1.02	-3.51	4.96 N	0.59	
436.32	0.37	0.00	436.28	1.01	-3.51	4.96 N	1.19	
437.34	0.39	0.00	437.30	1.02	-3.52	4.97 N	0.59	
438.35	0.40	0.00	438.31	1.01	-3.52	4.98 N	0.30	
439.37	0.40	0.00	439.33	1.02	-3.53	4.99 N	0.00	
440.39	0.41	0.00	440.35	1.02	-3.53	4.99 N	0.30	
441.40	0.43	0.00	441.36	1.01	-3.54	5.00 N	0.59	
442.42	0.44	0.00	442.38	1.02	-3.54	5.01 N	0.29	
443.43	0.45	0.00	443.39	1.01	-3.55	5.02 N	0.30	
444.45	0.47	0.00	444.41	1.02	-3.55	5.02 N	0.59	
445.47	0.47	0.00	445.43	1.02	-3.56	5.03 N	0.00	
446.48	0.49	0.00	446.44	1.01	-3.56	5.04 N	0.59	
447.50	0.50	0.00	447.46	1.02	-3.57	5.05 N	0.30	
448.51	0.49	0.00	448.47	1.01	-3.58	5.06 N	0.30	
449.53	0.48	0.00	449.49	1.02	-3.58	5.07 N	0.29	
450.55	0.46	0.00	450.51	1.02	-3.59	5.08 N	0.59	
451.56	0.44	0.00	451.52	1.01	-3.59	5.08 N	0.60	
452.58	0.43	0.00	452.54	1.02	-3.60	5.09 N	0.29	
453.59	0.41	0.00	453.55	1.01	-3.61	5.10 N	0.59	
454.61	0.40	0.00	454.57	1.02	-3.61	5.11 N	0.30	
455.63	0.40	0.00	455.59	1.02	-3.62	5.11 N	0.00	
456.64	0.40	0.00	456.60	1.01	-3.62	5.12 N	0.00	
457.66	0.39	0.00	457.62	1.02	-3.63	5.13 N	0.29	
458.67	0.37	0.00	458.63	1.01	-3.63	5.13 N	0.59	
459.69	0.39	0.00	459.65	1.02	-3.63	5.14 N	0.59	
460.71	0.40	0.00	460.67	1.02	-3.64	5.15 N	0.29	

Survey Report								
Vertical Section Plane: 135.00°					Total Correction: 3.64° East to Grid			
Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			

Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			
North Aligned to: Grid North					Well: AMUNGEE NW-1H			
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
461.72	0.31	0.00	461.68	1.01	-3.64	5.15 N	2.67	
462.74	0.38	0.00	462.70	1.02	-3.65	5.16 N	2.06	
463.75	0.38	0.00	463.71	1.01	-3.65	5.17 N	0.00	
464.77	0.36	0.00	464.73	1.02	-3.66	5.17 N	0.59	
465.79	0.34	0.00	465.75	1.02	-3.66	5.18 N	0.59	
466.80	0.28	0.00	466.76	1.01	-3.67	5.18 N	1.78	
467.82	0.31	0.00	467.78	1.02	-3.67	5.19 N	0.88	
468.83	0.28	0.00	468.79	1.01	-3.67	5.20 N	0.89	
469.85	0.27	0.00	469.81	1.02	-3.68	5.20 N	0.30	
470.87	0.27	0.00	470.83	1.02	-3.68	5.20 N	0.00	
471.88	0.27	0.00	471.84	1.01	-3.68	5.21 N	0.00	
472.90	0.26	0.00	472.86	1.02	-3.69	5.21 N	0.29	
473.91	0.25	0.00	473.87	1.01	-3.69	5.22 N	0.30	
474.93	0.24	0.00	474.89	1.02	-3.69	5.22 N	0.29	
475.95	0.24	0.00	475.91	1.02	-3.70	5.23 N	0.00	
476.96	0.24	0.00	476.92	1.01	-3.70	5.23 N	0.00	
477.98	0.24	0.00	477.94	1.02	-3.70	5.24 N	0.00	
478.99	0.25	0.00	478.95	1.01	-3.71	5.24 N	0.30	
480.01	0.25	0.00	479.97	1.02	-3.71	5.24 N	0.00	
481.03	0.24	0.00	480.99	1.02	-3.71	5.25 N	0.29	
482.04	0.22	0.00	482.00	1.01	-3.71	5.25 N	0.59	
483.06	0.23	0.00	483.02	1.02	-3.72	5.26 N	0.29	
484.07	0.23	0.00	484.03	1.01	-3.72	5.26 N	0.00	
485.09	0.24	0.00	485.05	1.02	-3.72	5.27 N	0.30	
486.11	0.24	0.00	486.07	1.02	-3.73	5.27 N	0.00	
487.12	0.23	0.00	487.08	1.01	-3.73	5.27 N	0.30	
488.14	0.23	0.00	488.10	1.02	-3.73	5.28 N	0.00	
489.15	0.23	0.00	489.11	1.01	-3.74	5.28 N	0.00	
490.17	0.23	0.00	490.13	1.02	-3.74	5.29 N	0.00	
491.19	0.20	0.00	491.15	1.02	-3.74	5.29 N	0.88	
492.20	0.16	0.00	492.16	1.01	-3.74	5.29 N	1.19	
493.22	0.15	0.00	493.18	1.02	-3.74	5.30 N	0.30	
494.23	0.14	0.00	494.19	1.01	-3.75	5.30 N	0.30	
495.25	0.13	0.00	495.21	1.02	-3.75	5.30 N	0.29	
496.27	0.12	0.00	496.23	1.02	-3.75	5.30 N	0.30	
497.28	0.11	0.00	497.24	1.01	-3.75	5.31 N	0.30	
498.30	0.09	0.00	498.26	1.02	-3.75	5.31 N	0.59	
499.31	0.08	0.00	499.27	1.01	-3.75	5.31 N	0.30	
500.33	0.08	0.00	500.29	1.02	-3.75	5.31 N	0.00	
501.35	0.09	0.00	501.31	1.02	-3.76	5.31 N	0.30	
502.36	0.09	0.00	502.32	1.01	-3.76	5.31 N	0.00	
503.38	0.08	0.00	503.34	1.02	-3.76	5.31 N	0.30	
504.39	0.09	0.00	504.35	1.01	-3.76	5.32 N	0.30	
505.41	0.09	0.00	505.37	1.02	-3.76	5.32 N	0.00	
506.43	0.09	0.00	506.39	1.02	-3.76	5.32 N	0.00	
507.44	0.08	0.00	507.40	1.01	-3.76	5.32 N	0.30	
508.46	0.07	0.00	508.42	1.02	-3.76	5.32 N	0.29	
509.47	0.07	0.00	509.43	1.01	-3.76	5.32 N	0.00	
510.49	0.07	0.00	510.45	1.02	-3.76	5.32 N	0.00	
511.51	0.09	0.00	511.47	1.02	-3.77	5.33 N	0.59	
512.52	0.10	0.00	512.48	1.01	-3.77	5.33 N	0.30	
513.54	0.11	0.00	513.50	1.02	-3.77	5.33 N	0.30	

Survey Report	
Vertical Section Plane: 135.00°	Total Correction: 3.64° East to Grid
Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
North Aligned to: Grid North	Well: AMUNGEE NW-1H

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
514.55	0.12	0.00	514.51	1.01	-3.77	5.33 N	0.30	
515.57	0.13	0.00	515.53	1.02	-3.77	5.33 N	0.30	
516.59	0.14	0.00	516.55	1.02	-3.77	5.34 N	0.29	
517.60	0.15	0.00	517.56	1.01	-3.78	5.34 N	0.30	
518.62	0.17	0.00	518.58	1.02	-3.78	5.34 N	0.59	
519.63	0.18	0.00	519.59	1.01	-3.78	5.34 N	0.30	
520.65	0.19	0.00	520.61	1.02	-3.78	5.35 N	0.29	
521.67	0.20	0.00	521.63	1.02	-3.78	5.35 N	0.30	
522.68	0.21	0.00	522.64	1.01	-3.79	5.35 N	0.30	
523.70	0.21	0.00	523.66	1.02	-3.79	5.36 N	0.00	
524.71	0.21	0.00	524.67	1.01	-3.79	5.36 N	0.00	
525.73	0.21	0.00	525.69	1.02	-3.79	5.37 N	0.00	
526.75	0.19	0.00	526.71	1.02	-3.80	5.37 N	0.59	
527.76	0.17	0.00	527.72	1.01	-3.80	5.37 N	0.59	
528.78	0.16	0.00	528.74	1.02	-3.80	5.38 N	0.29	
529.79	0.14	0.00	529.75	1.01	-3.80	5.38 N	0.60	
530.81	0.14	0.00	530.77	1.02	-3.80	5.38 N	0.00	
531.83	0.14	0.00	531.79	1.02	-3.81	5.38 N	0.00	
532.84	0.14	0.00	532.80	1.01	-3.81	5.39 N	0.00	
533.86	0.14	0.00	533.82	1.02	-3.81	5.39 N	0.00	
534.87	0.14	0.00	534.83	1.01	-3.81	5.39 N	0.00	
535.89	0.15	0.00	535.85	1.02	-3.81	5.39 N	0.30	
536.91	0.16	0.00	536.87	1.02	-3.82	5.40 N	0.30	
537.92	0.16	0.00	537.88	1.01	-3.82	5.40 N	0.00	
538.94	0.15	0.00	538.90	1.02	-3.82	5.40 N	0.30	
539.95	0.15	0.00	539.91	1.01	-3.82	5.40 N	0.00	
540.97	0.14	0.00	540.93	1.02	-3.82	5.41 N	0.30	
541.99	0.15	0.00	541.95	1.02	-3.83	5.41 N	0.30	
543.00	0.15	0.00	542.96	1.01	-3.83	5.41 N	0.00	
544.02	0.15	0.00	543.98	1.02	-3.83	5.41 N	0.00	
545.03	0.15	0.00	544.99	1.01	-3.83	5.42 N	0.00	
546.05	0.15	0.00	546.01	1.02	-3.83	5.42 N	0.00	
547.07	0.14	0.00	547.03	1.02	-3.83	5.42 N	0.30	
548.08	0.14	0.00	548.04	1.01	-3.84	5.43 N	0.00	
549.10	0.14	0.00	549.06	1.02	-3.84	5.43 N	0.00	
550.11	0.15	0.00	550.07	1.01	-3.84	5.43 N	0.30	
551.13	0.16	0.00	551.09	1.02	-3.84	5.43 N	0.30	
552.15	0.17	0.00	552.11	1.02	-3.84	5.44 N	0.29	
553.16	0.17	0.00	553.12	1.01	-3.85	5.44 N	0.00	
554.18	0.16	0.00	554.14	1.02	-3.85	5.44 N	0.29	
555.19	0.16	0.00	555.15	1.01	-3.85	5.44 N	0.00	
556.21	0.15	0.00	556.17	1.02	-3.85	5.45 N	0.30	
557.23	0.15	0.00	557.19	1.02	-3.85	5.45 N	0.00	
558.24	0.15	0.00	558.20	1.01	-3.86	5.45 N	0.00	
559.26	0.15	0.00	559.22	1.02	-3.86	5.46 N	0.00	
560.27	0.15	0.00	560.23	1.01	-3.86	5.46 N	0.00	
561.29	0.16	0.00	561.25	1.02	-3.86	5.46 N	0.30	
562.31	0.17	0.00	562.27	1.02	-3.86	5.46 N	0.29	
563.32	0.17	0.00	563.28	1.01	-3.87	5.47 N	0.00	
564.34	0.18	0.00	564.30	1.02	-3.87	5.47 N	0.30	
565.35	0.18	0.00	565.31	1.01	-3.87	5.47 N	0.00	
566.37	0.19	0.00	566.33	1.02	-3.87	5.48 N	0.29	

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured	Inclination	Azimuth	TVD	Course	Vertical	Rect Co-ord	Dog-leg	Temp

Depth (m)	(deg)	(deg)	(m)	Length (m)	Section (m)	North (m)	Severity (dg/30m)	(deg C)
567.39	0.19	0.00	567.35	1.02	-3.87	5.48 N	0.00	
568.40	0.20	0.00	568.36	1.01	-3.88	5.48 N	0.30	
569.42	0.21	0.00	569.38	1.02	-3.88	5.49 N	0.29	
570.43	0.22	0.00	570.39	1.01	-3.88	5.49 N	0.30	
571.45	0.22	0.00	571.41	1.02	-3.89	5.49 N	0.00	
572.47	0.22	0.00	572.43	1.02	-3.89	5.50 N	0.00	
573.48	0.21	0.00	573.44	1.01	-3.89	5.50 N	0.30	
574.50	0.19	0.00	574.46	1.02	-3.89	5.51 N	0.59	
575.51	0.21	0.00	575.47	1.01	-3.90	5.51 N	0.59	
576.53	0.22	0.00	576.49	1.02	-3.90	5.51 N	0.30	
577.55	0.22	0.00	577.51	1.02	-3.90	5.52 N	0.00	
578.56	0.22	0.00	578.52	1.01	-3.90	5.52 N	0.00	
579.58	0.22	0.00	579.54	1.02	-3.91	5.52 N	0.00	
580.59	0.22	0.00	580.55	1.01	-3.91	5.53 N	0.00	
581.61	0.21	0.00	581.57	1.02	-3.91	5.53 N	0.30	
582.63	0.20	0.00	582.59	1.02	-3.91	5.54 N	0.29	
583.64	0.20	0.00	583.60	1.01	-3.92	5.54 N	0.00	
584.66	0.20	0.00	584.62	1.02	-3.92	5.54 N	0.00	
585.67	0.19	0.00	585.63	1.01	-3.92	5.55 N	0.30	
586.69	0.19	0.00	586.65	1.02	-3.92	5.55 N	0.00	
587.71	0.20	0.00	587.67	1.02	-3.93	5.55 N	0.30	
588.72	0.20	0.00	588.68	1.01	-3.93	5.56 N	0.00	
589.74	0.19	0.00	589.70	1.02	-3.93	5.56 N	0.30	
590.75	0.19	0.00	590.71	1.01	-3.93	5.56 N	0.00	
591.77	0.19	0.00	591.73	1.02	-3.94	5.57 N	0.00	
592.79	0.19	0.00	592.75	1.02	-3.94	5.57 N	0.00	
593.80	0.20	0.00	593.76	1.01	-3.94	5.57 N	0.30	
594.82	0.19	0.00	594.78	1.02	-3.94	5.58 N	0.30	
595.83	0.20	0.00	595.79	1.01	-3.95	5.58 N	0.30	
596.85	0.20	0.00	596.81	1.02	-3.95	5.58 N	0.00	
597.87	0.19	0.00	597.83	1.02	-3.95	5.59 N	0.30	
598.88	0.18	0.00	598.84	1.01	-3.95	5.59 N	0.30	
599.90	0.17	0.00	599.86	1.02	-3.96	5.59 N	0.30	
600.91	0.17	0.00	600.87	1.01	-3.96	5.60 N	0.00	
601.93	0.18	0.00	601.89	1.02	-3.96	5.60 N	0.30	
602.95	0.20	0.00	602.91	1.02	-3.96	5.60 N	0.59	
603.96	0.21	0.00	603.92	1.01	-3.97	5.61 N	0.30	
604.98	0.22	0.00	604.94	1.02	-3.97	5.61 N	0.30	
605.99	0.23	0.00	605.95	1.01	-3.97	5.62 N	0.30	
607.01	0.23	0.00	606.97	1.02	-3.97	5.62 N	0.00	
608.03	0.23	0.00	607.99	1.02	-3.98	5.62 N	0.00	
609.04	0.24	0.00	609.00	1.01	-3.98	5.63 N	0.30	
610.06	0.25	0.00	610.02	1.02	-3.98	5.63 N	0.29	
611.07	0.25	0.00	611.03	1.01	-3.99	5.64 N	0.00	
612.09	0.25	0.00	612.05	1.02	-3.99	5.64 N	0.00	
613.11	0.25	0.00	613.07	1.02	-3.99	5.65 N	0.00	
614.12	0.24	0.00	614.08	1.01	-4.00	5.65 N	0.30	
615.14	0.23	0.00	615.10	1.02	-4.00	5.65 N	0.30	
616.15	0.22	0.00	616.11	1.01	-4.00	5.66 N	0.30	
617.17	0.23	0.00	617.13	1.02	-4.00	5.66 N	0.29	
618.19	0.23	0.00	618.15	1.02	-4.01	5.67 N	0.00	
619.20	0.23	0.00	619.16	1.01	-4.01	5.67 N	0.00	

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)

620.22	0.24	0.00	620.18	1.02	-4.01	5.67 N	0.30
621.23	0.23	0.00	621.19	1.01	-4.02	5.68 N	0.30
622.25	0.23	0.00	622.21	1.02	-4.02	5.68 N	0.00
623.27	0.23	0.00	623.23	1.02	-4.02	5.69 N	0.00
624.28	0.23	0.00	624.24	1.01	-4.02	5.69 N	0.00
625.30	0.23	0.00	625.26	1.02	-4.03	5.69 N	0.00
626.31	0.23	0.00	626.27	1.01	-4.03	5.70 N	0.00
627.33	0.23	0.00	627.29	1.02	-4.03	5.70 N	0.00
628.35	0.23	0.00	628.31	1.02	-4.04	5.71 N	0.00
629.36	0.22	0.00	629.32	1.01	-4.04	5.71 N	0.30
630.38	0.19	0.00	630.34	1.02	-4.04	5.71 N	0.88
631.39	0.20	0.00	631.35	1.01	-4.04	5.72 N	0.30
632.41	0.20	0.00	632.37	1.02	-4.05	5.72 N	0.00
633.43	0.20	0.00	633.39	1.02	-4.05	5.73 N	0.00
634.44	0.20	0.00	634.40	1.01	-4.05	5.73 N	0.00
635.46	0.20	0.00	635.42	1.02	-4.05	5.73 N	0.00
636.47	0.19	0.00	636.43	1.01	-4.06	5.74 N	0.30
637.49	0.19	0.00	637.45	1.02	-4.06	5.74 N	0.00
638.51	0.20	0.00	638.47	1.02	-4.06	5.74 N	0.30
639.52	0.20	0.00	639.48	1.01	-4.06	5.75 N	0.00
640.54	0.20	0.00	640.50	1.02	-4.07	5.75 N	0.00
641.55	0.21	0.00	641.51	1.01	-4.07	5.75 N	0.30
642.57	0.21	0.00	642.53	1.02	-4.07	5.76 N	0.00
643.59	0.20	0.00	643.55	1.02	-4.07	5.76 N	0.29
644.60	0.20	0.00	644.56	1.01	-4.08	5.76 N	0.00
645.62	0.20	0.00	645.58	1.02	-4.08	5.77 N	0.00
646.63	0.21	0.00	646.59	1.01	-4.08	5.77 N	0.30
647.65	0.19	0.00	647.61	1.02	-4.08	5.77 N	0.59
648.67	0.17	0.00	648.63	1.02	-4.09	5.78 N	0.59
649.68	0.16	0.00	649.64	1.01	-4.09	5.78 N	0.30
650.70	0.16	0.00	650.66	1.02	-4.09	5.78 N	0.00
651.71	0.15	0.00	651.67	1.01	-4.09	5.79 N	0.30
652.73	0.15	0.00	652.69	1.02	-4.09	5.79 N	0.00
653.75	0.14	0.00	653.71	1.02	-4.10	5.79 N	0.30
654.76	0.14	0.00	654.72	1.01	-4.10	5.79 N	0.00
655.78	0.15	0.00	655.74	1.02	-4.10	5.80 N	0.30
656.79	0.15	0.00	656.75	1.01	-4.10	5.80 N	0.00
657.81	0.15	0.00	657.77	1.02	-4.10	5.80 N	0.00
658.83	0.14	0.00	658.79	1.02	-4.10	5.80 N	0.30
659.84	0.13	0.00	659.80	1.01	-4.11	5.81 N	0.30
660.86	0.14	0.00	660.82	1.02	-4.11	5.81 N	0.29
661.87	0.14	0.00	661.83	1.01	-4.11	5.81 N	0.00
662.89	0.13	0.00	662.85	1.02	-4.11	5.81 N	0.29
663.91	0.16	0.00	663.87	1.02	-4.11	5.82 N	0.88
664.92	0.16	0.00	664.88	1.01	-4.12	5.82 N	0.00
665.94	0.15	0.00	665.90	1.02	-4.12	5.82 N	0.30
666.95	0.15	0.00	666.91	1.01	-4.12	5.83 N	0.00
667.97	0.16	0.00	667.93	1.02	-4.12	5.83 N	0.30
668.99	0.18	0.00	668.95	1.02	-4.12	5.83 N	0.59
670.00	0.19	0.00	669.96	1.01	-4.13	5.83 N	0.30
671.02	0.19	0.00	670.98	1.02	-4.13	5.84 N	0.00
672.03	0.19	0.00	671.99	1.01	-4.13	5.84 N	0.00

Survey Report								
Vertical Section Plane: 135.00°					Total Correction: 3.64° East to Grid			
Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			
North Aligned to: Grid North					Well: AMUNGEE NW-1H			
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
673.05	0.19	0.00	673.01	1.02	-4.13	5.84 N	0.00	
674.07	0.19	0.00	674.03	1.02	-4.14	5.85 N	0.00	

674.07	0.19	0.00	674.05	1.02	-4.14	5.85 N	0.30
675.08	0.20	0.00	675.04	1.01	-4.14	5.85 N	0.30
676.10	0.22	0.00	676.06	1.02	-4.14	5.85 N	0.59
677.11	0.24	0.00	677.07	1.01	-4.14	5.86 N	0.59
678.13	0.26	0.00	678.09	1.02	-4.15	5.86 N	0.59
679.15	0.28	0.00	679.11	1.02	-4.15	5.87 N	0.59
680.16	0.30	0.00	680.12	1.01	-4.15	5.87 N	0.59
681.18	0.32	0.00	681.14	1.02	-4.16	5.88 N	0.59
682.19	0.33	0.00	682.15	1.01	-4.16	5.88 N	0.30
683.21	0.33	0.00	683.17	1.02	-4.17	5.89 N	0.00
684.23	0.31	0.00	684.19	1.02	-4.17	5.90 N	0.59
685.24	0.29	0.00	685.20	1.01	-4.17	5.90 N	0.60
686.26	0.26	0.00	686.22	1.02	-4.18	5.91 N	0.88
687.27	0.24	0.00	687.23	1.01	-4.18	5.91 N	0.59
688.29	0.23	0.00	688.25	1.02	-4.18	5.91 N	0.30
689.31	0.23	0.00	689.27	1.02	-4.19	5.92 N	0.00
690.32	0.23	0.00	690.28	1.01	-4.19	5.92 N	0.00
691.34	0.23	0.00	691.30	1.02	-4.19	5.93 N	0.00
692.35	0.23	0.00	692.31	1.01	-4.19	5.93 N	0.00
693.37	0.24	0.00	693.33	1.02	-4.20	5.94 N	0.30
694.39	0.25	0.00	694.35	1.02	-4.20	5.94 N	0.29
695.40	0.27	0.00	695.36	1.01	-4.20	5.94 N	0.59
696.42	0.29	0.00	696.38	1.02	-4.21	5.95 N	0.59
697.43	0.30	0.00	697.39	1.01	-4.21	5.95 N	0.30
698.45	0.32	0.00	698.41	1.02	-4.21	5.96 N	0.59
699.47	0.32	0.00	699.43	1.02	-4.22	5.97 N	0.00
700.48	0.33	0.00	700.44	1.01	-4.22	5.97 N	0.30
701.50	0.33	0.00	701.46	1.02	-4.23	5.98 N	0.00
702.51	0.33	0.00	702.47	1.01	-4.23	5.98 N	0.00
703.53	0.33	0.00	703.49	1.02	-4.23	5.99 N	0.00
704.55	0.32	0.00	704.51	1.02	-4.24	5.99 N	0.30
705.56	0.31	0.00	705.52	1.01	-4.24	6.00 N	0.30
706.58	0.31	0.00	706.54	1.02	-4.25	6.01 N	0.00
707.59	0.30	0.00	707.55	1.01	-4.25	6.01 N	0.30
708.61	0.30	0.00	708.57	1.02	-4.25	6.02 N	0.00
709.63	0.26	0.00	709.59	1.02	-4.26	6.02 N	1.18
710.64	0.29	0.00	710.60	1.01	-4.26	6.03 N	0.89
711.66	0.30	0.00	711.62	1.02	-4.27	6.03 N	0.30
712.67	0.30	0.00	712.63	1.01	-4.27	6.04 N	0.00
713.69	0.30	0.00	713.65	1.02	-4.27	6.04 N	0.00
714.71	0.31	0.00	714.67	1.02	-4.28	6.05 N	0.30
715.72	0.32	0.00	715.68	1.01	-4.28	6.05 N	0.30
716.74	0.32	0.00	716.70	1.02	-4.28	6.06 N	0.00
717.75	0.31	0.00	717.71	1.01	-4.29	6.06 N	0.30
718.77	0.31	0.00	718.73	1.02	-4.29	6.07 N	0.00
719.79	0.31	0.00	719.75	1.02	-4.30	6.08 N	0.00
720.80	0.31	0.00	720.76	1.01	-4.30	6.08 N	0.00
721.82	0.31	0.00	721.78	1.02	-4.30	6.09 N	0.00
722.83	0.29	0.00	722.79	1.01	-4.31	6.09 N	0.60
723.85	0.29	0.00	723.81	1.02	-4.31	6.10 N	0.00
724.87	0.29	0.00	724.83	1.02	-4.31	6.10 N	0.00

Survey Report								
Vertical Section Plane: 135.00°					Total Correction: 3.64° East to Grid			
Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			
North Aligned to: Grid North					Well: AMUNGEE NW-1H			
Measured Depth	Inclination	Azimuth	TVD	Course Length	Vertical Section	Rect Co-ord North	Dog-leg Severity	Temp
(m)	(deg)	(deg)	(m)	(m)	(m)	(m)	(dg/30m)	(deg C)
725.88	0.28	0.00	725.84	1.01	-4.32	6.11 N	0.30	
726.90	0.28	0.00	726.86	1.02	-4.32	6.11 N	0.00	
727.91	0.28	0.00	727.87	1.01	-4.33	6.12 N	0.00	
728.93	0.22	0.00	728.89	1.02	-4.33	6.12 N	1.76	

729.95	0.25	0.00	729.91	1.02	-4.33	6.13 N	0.88
730.96	0.24	0.00	730.92	1.01	-4.33	6.13 N	0.30
731.98	0.22	0.00	731.94	1.02	-4.34	6.13 N	0.59
732.99	0.21	0.00	732.95	1.01	-4.34	6.14 N	0.30
734.01	0.20	0.00	733.97	1.02	-4.34	6.14 N	0.29
735.03	0.20	0.00	734.99	1.02	-4.35	6.15 N	0.00
736.04	0.19	0.00	736.00	1.01	-4.35	6.15 N	0.30
737.06	0.16	0.00	737.02	1.02	-4.35	6.15 N	0.88
738.07	0.17	0.00	738.03	1.01	-4.35	6.15 N	0.30
739.09	0.16	0.00	739.05	1.02	-4.35	6.16 N	0.29
740.11	0.15	0.00	740.07	1.02	-4.36	6.16 N	0.30
741.12	0.14	0.00	741.08	1.01	-4.36	6.16 N	0.30
742.14	0.14	0.00	742.10	1.02	-4.36	6.17 N	0.00
743.15	0.13	0.00	743.11	1.01	-4.36	6.17 N	0.30
744.17	0.13	0.00	744.13	1.02	-4.36	6.17 N	0.00
745.19	0.12	0.00	745.15	1.02	-4.36	6.17 N	0.30
746.20	0.12	0.00	746.16	1.01	-4.37	6.17 N	0.00
747.22	0.11	0.00	747.18	1.02	-4.37	6.18 N	0.29
748.23	0.11	0.00	748.19	1.01	-4.37	6.18 N	0.00
749.25	0.11	0.00	749.21	1.02	-4.37	6.18 N	0.00
750.27	0.12	0.00	750.23	1.02	-4.37	6.18 N	0.29
751.28	0.13	0.00	751.24	1.01	-4.37	6.18 N	0.30
752.30	0.14	0.00	752.26	1.02	-4.37	6.19 N	0.29
753.31	0.15	0.00	753.27	1.01	-4.38	6.19 N	0.30
754.33	0.15	0.00	754.29	1.02	-4.38	6.19 N	0.00
755.35	0.15	0.00	755.31	1.02	-4.38	6.19 N	0.00
756.36	0.14	0.00	756.32	1.01	-4.38	6.20 N	0.30
757.38	0.13	0.00	757.34	1.02	-4.38	6.20 N	0.29
758.39	0.11	0.00	758.35	1.01	-4.39	6.20 N	0.59
759.41	0.11	0.00	759.37	1.02	-4.39	6.20 N	0.00
760.43	0.13	0.00	760.39	1.02	-4.39	6.21 N	0.59
761.44	0.14	0.00	761.40	1.01	-4.39	6.21 N	0.30
762.46	0.14	0.00	762.42	1.02	-4.39	6.21 N	0.00
763.47	0.15	0.00	763.43	1.01	-4.39	6.21 N	0.30
764.49	0.15	0.00	764.45	1.02	-4.40	6.22 N	0.00
765.51	0.14	0.00	765.47	1.02	-4.40	6.22 N	0.30
766.52	0.16	0.00	766.48	1.01	-4.40	6.22 N	0.60
767.54	0.18	0.00	767.50	1.02	-4.40	6.22 N	0.59
768.55	0.19	0.00	768.51	1.01	-4.40	6.23 N	0.30
769.57	0.19	0.00	769.53	1.02	-4.41	6.23 N	0.00
770.59	0.21	0.00	770.55	1.02	-4.41	6.23 N	0.59
771.60	0.21	0.00	771.56	1.01	-4.41	6.24 N	0.00
772.62	0.22	0.00	772.58	1.02	-4.41	6.24 N	0.30
773.63	0.23	0.00	773.59	1.01	-4.42	6.25 N	0.30
774.65	0.21	0.00	774.61	1.02	-4.42	6.25 N	0.59
775.67	0.21	0.00	775.63	1.02	-4.42	6.25 N	0.00
776.68	0.22	0.00	776.64	1.01	-4.42	6.26 N	0.30
777.70	0.22	0.00	777.66	1.02	-4.43	6.26 N	0.00

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
778.71	0.22	0.00	778.67	1.01	-4.43	6.27 N	0.00	
779.73	0.22	0.00	779.69	1.02	-4.43	6.27 N	0.00	
780.75	0.23	0.00	780.71	1.02	-4.44	6.27 N	0.29	
781.76	0.23	0.00	781.72	1.01	-4.44	6.28 N	0.00	
782.78	0.24	0.00	782.74	1.02	-4.44	6.28 N	0.30	
783.79	0.23	0.00	783.75	1.01	-4.44	6.29 N	0.30	
784.81	0.22	0.00	784.77	1.02	-4.45	6.29 N	0.29	

784.81	0.20	0.00	784.77	1.02	-4.45	6.29 N	0.88
785.83	0.21	0.00	785.79	1.02	-4.45	6.29 N	0.29
786.84	0.21	0.00	786.80	1.01	-4.45	6.30 N	0.00
787.86	0.19	0.00	787.82	1.02	-4.46	6.30 N	0.59
788.87	0.17	0.00	788.83	1.01	-4.46	6.30 N	0.59
789.89	0.16	0.00	789.85	1.02	-4.46	6.31 N	0.29
790.91	0.15	0.00	790.87	1.02	-4.46	6.31 N	0.30
791.92	0.14	0.00	791.88	1.01	-4.46	6.31 N	0.30
792.94	0.14	0.00	792.90	1.02	-4.46	6.31 N	0.00
793.95	0.17	0.00	793.91	1.01	-4.47	6.32 N	0.89
794.97	0.19	0.00	794.93	1.02	-4.47	6.32 N	0.59
795.99	0.20	0.00	795.95	1.02	-4.47	6.32 N	0.30
797.00	0.20	0.00	796.96	1.01	-4.47	6.33 N	0.00
798.02	0.20	0.00	797.98	1.02	-4.48	6.33 N	0.00
799.03	0.20	0.00	798.99	1.01	-4.48	6.33 N	0.00
800.05	0.20	0.00	800.01	1.02	-4.48	6.34 N	0.00
801.07	0.20	0.00	801.03	1.02	-4.48	6.34 N	0.00
802.08	0.21	0.00	802.04	1.01	-4.49	6.35 N	0.30
803.10	0.21	0.00	803.06	1.02	-4.49	6.35 N	0.00
804.11	0.23	0.00	804.07	1.01	-4.49	6.35 N	0.59
805.13	0.24	0.00	805.09	1.02	-4.50	6.36 N	0.30
806.15	0.25	0.00	806.11	1.02	-4.50	6.36 N	0.29
807.16	0.24	0.00	807.12	1.01	-4.50	6.37 N	0.30
808.18	0.25	0.00	808.14	1.02	-4.50	6.37 N	0.29
809.19	0.27	0.00	809.15	1.01	-4.51	6.37 N	0.59
810.21	0.29	0.00	810.17	1.02	-4.51	6.38 N	0.59
811.23	0.31	0.00	811.19	1.02	-4.51	6.38 N	0.59
812.24	0.33	0.00	812.20	1.01	-4.52	6.39 N	0.59
813.26	0.34	0.00	813.22	1.02	-4.52	6.40 N	0.29
814.27	0.35	0.00	814.23	1.01	-4.53	6.40 N	0.30
815.29	0.36	0.00	815.25	1.02	-4.53	6.41 N	0.29
816.31	0.35	0.00	816.27	1.02	-4.54	6.42 N	0.29
817.32	0.34	0.00	817.28	1.01	-4.54	6.42 N	0.30
818.34	0.37	0.00	818.30	1.02	-4.55	6.43 N	0.88
819.35	0.36	0.00	819.31	1.01	-4.55	6.43 N	0.30
820.37	0.34	0.00	820.33	1.02	-4.55	6.44 N	0.59
821.39	0.31	0.00	821.35	1.02	-4.56	6.45 N	0.88
822.40	0.28	0.00	822.36	1.01	-4.56	6.45 N	0.89
823.42	0.28	0.00	823.38	1.02	-4.57	6.46 N	0.00
824.43	0.27	0.00	824.39	1.01	-4.57	6.46 N	0.30
825.45	0.26	0.00	825.41	1.02	-4.57	6.47 N	0.29
826.47	0.24	0.00	826.43	1.02	-4.58	6.47 N	0.59
827.48	0.23	0.00	827.44	1.01	-4.58	6.47 N	0.30
828.50	0.22	0.00	828.46	1.02	-4.58	6.48 N	0.29
829.51	0.24	0.00	829.47	1.01	-4.58	6.48 N	0.59
830.53	0.27	0.00	830.49	1.02	-4.59	6.49 N	0.88

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
831.55	0.28	0.00	831.51	1.02	-4.59	6.49 N	0.30	
832.56	0.30	0.00	832.52	1.01	-4.59	6.50 N	0.59	
833.58	0.30	0.00	833.54	1.02	-4.60	6.50 N	0.00	
834.59	0.28	0.00	834.55	1.01	-4.60	6.51 N	0.59	
835.61	0.32	0.00	835.57	1.02	-4.61	6.51 N	1.18	
836.63	0.33	0.00	836.59	1.02	-4.61	6.52 N	0.30	
837.64	0.34	0.00	837.60	1.01	-4.61	6.52 N	0.30	
838.66	0.34	0.00	838.62	1.02	-4.62	6.53 N	0.00	
839.67	0.30	0.00	839.63	1.01	-4.62	6.54 N	1.19	

839.69	0.33	0.00	839.69	1.02	-4.63	6.54 N	0.88
840.69	0.33	0.00	840.65	1.02	-4.63	6.55 N	0.59
841.71	0.31	0.00	841.67	1.02	-4.63	6.55 N	0.89
842.72	0.28	0.00	842.68	1.01	-4.63	6.55 N	1.18
843.74	0.24	0.00	843.70	1.02	-4.64	6.56 N	0.30
844.75	0.25	0.00	844.71	1.01	-4.64	6.56 N	0.29
845.77	0.24	0.00	845.73	1.02	-4.64	6.57 N	0.59
846.79	0.22	0.00	846.75	1.02	-4.65	6.57 N	0.00
847.80	0.22	0.00	847.76	1.01	-4.65	6.57 N	0.29
848.82	0.23	0.00	848.78	1.02	-4.65	6.58 N	0.30
849.83	0.24	0.00	849.79	1.01	-4.65	6.58 N	0.59
850.85	0.26	0.00	850.81	1.02	-4.66	6.59 N	0.59
851.87	0.24	0.00	851.83	1.02	-4.66	6.59 N	1.48
852.88	0.29	0.00	852.84	1.01	-4.66	6.60 N	0.59
853.90	0.31	0.00	853.86	1.02	-4.67	6.60 N	0.30
854.91	0.32	0.00	854.87	1.01	-4.67	6.61 N	0.59
855.93	0.30	0.00	855.89	1.02	-4.68	6.61 N	0.30
856.95	0.32	0.00	856.91	1.02	-4.68	6.62 N	0.59
857.96	0.34	0.00	857.92	1.01	-4.68	6.62 N	0.59
858.98	0.32	0.00	858.94	1.02	-4.69	6.63 N	1.49
859.99	0.27	0.00	859.95	1.01	-4.69	6.63 N	0.30
861.01	0.28	0.00	860.97	1.02	-4.69	6.64 N	0.59
862.03	0.26	0.00	861.99	1.02	-4.70	6.64 N	0.89
863.04	0.23	0.00	863.00	1.01	-4.70	6.65 N	0.30
864.06	0.24	0.00	864.02	1.02	-4.70	6.65 N	0.30
865.07	0.25	0.00	865.03	1.01	-4.71	6.66 N	0.59
866.09	0.27	0.00	866.05	1.02	-4.71	6.66 N	0.59
867.11	0.29	0.00	867.07	1.02	-4.71	6.67 N	1.19
868.12	0.33	0.00	868.08	1.01	-4.72	6.67 N	0.59
869.14	0.35	0.00	869.10	1.02	-4.72	6.68 N	0.30
870.15	0.36	0.00	870.11	1.01	-4.73	6.68 N	0.00
871.17	0.36	0.00	871.13	1.02	-4.73	6.69 N	0.00
872.19	0.36	0.00	872.15	1.02	-4.74	6.70 N	0.00
873.20	0.36	0.00	873.16	1.01	-4.74	6.70 N	0.00
874.22	0.36	0.00	874.18	1.02	-4.74	6.71 N	0.00
875.23	0.36	0.00	875.19	1.01	-4.75	6.72 N	0.00
876.25	0.36	0.00	876.21	1.02	-4.75	6.72 N	0.59
877.27	0.34	0.00	877.23	1.02	-4.76	6.73 N	0.30
878.28	0.35	0.00	878.24	1.01	-4.76	6.74 N	0.59
879.30	0.37	0.00	879.26	1.02	-4.77	6.74 N	0.30
880.31	0.36	0.00	880.27	1.01	-4.77	6.75 N	0.00
881.33	0.36	0.00	881.29	1.02	-4.78	6.75 N	0.29
882.35	0.35	0.00	882.31	1.02	-4.78	6.76 N	0.00
883.36	0.35	0.00	883.32	1.01	-4.78	6.77 N	0.30

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
884.38	0.34	0.00	884.34	1.02	-4.79	6.77 N	0.30	
885.39	0.34	0.00	885.35	1.01	-4.79	6.78 N	0.00	
886.41	0.34	0.00	886.37	1.02	-4.80	6.79 N	0.00	
887.43	0.33	0.00	887.39	1.02	-4.80	6.79 N	0.29	
888.44	0.33	0.00	888.40	1.01	-4.81	6.80 N	0.00	
889.46	0.34	0.00	889.42	1.02	-4.81	6.80 N	0.29	
890.47	0.35	0.00	890.43	1.01	-4.81	6.81 N	0.30	
891.49	0.36	0.00	891.45	1.02	-4.82	6.82 N	0.29	
892.51	0.37	0.00	892.47	1.02	-4.82	6.82 N	0.30	
893.52	0.38	0.00	893.48	1.01	-4.83	6.83 N	0.30	
894.54	0.39	0.00	894.50	1.02	-4.83	6.84 N	0.30	

895.55	0.40	0.00	895.51	1.01	-4.84	6.84 N	0.30
896.57	0.40	0.00	896.53	1.02	-4.84	6.85 N	0.00
897.59	0.39	0.00	897.55	1.02	-4.85	6.86 N	0.29
898.60	0.40	0.00	898.56	1.01	-4.85	6.86 N	0.30
899.62	0.42	0.00	899.58	1.02	-4.86	6.87 N	0.59
900.63	0.40	0.00	900.59	1.01	-4.86	6.88 N	0.59
901.65	0.43	0.00	901.61	1.02	-4.87	6.89 N	0.88
902.67	0.46	0.00	902.63	1.02	-4.87	6.89 N	0.88
903.68	0.46	0.00	903.64	1.01	-4.88	6.90 N	0.00
904.70	0.47	0.00	904.66	1.02	-4.89	6.91 N	0.29
905.71	0.48	0.00	905.67	1.01	-4.89	6.92 N	0.30
906.73	0.48	0.00	906.69	1.02	-4.90	6.93 N	0.00
907.75	0.48	0.00	907.71	1.02	-4.90	6.93 N	0.00
908.76	0.47	0.00	908.72	1.01	-4.91	6.94 N	0.30
909.78	0.46	0.00	909.74	1.02	-4.92	6.95 N	0.29
910.79	0.45	0.00	910.75	1.01	-4.92	6.96 N	0.30
911.81	0.44	0.00	911.77	1.02	-4.93	6.97 N	0.30
912.83	0.42	0.00	912.79	1.02	-4.93	6.98 N	0.59
913.84	0.42	0.00	913.80	1.01	-4.94	6.98 N	0.00
914.86	0.42	0.00	914.82	1.02	-4.94	6.99 N	0.00
915.87	0.42	0.00	915.83	1.01	-4.95	7.00 N	0.00
916.89	0.42	0.00	916.85	1.02	-4.95	7.00 N	0.00
917.91	0.43	0.00	917.87	1.02	-4.96	7.01 N	0.30
918.92	0.41	0.00	918.88	1.01	-4.96	7.02 N	0.59
919.94	0.38	0.00	919.90	1.02	-4.97	7.03 N	0.88
920.95	0.38	0.00	920.91	1.01	-4.97	7.03 N	0.00
921.97	0.41	0.00	921.93	1.02	-4.98	7.04 N	0.88
922.99	0.43	0.00	922.95	1.02	-4.98	7.05 N	0.59
924.00	0.45	0.00	923.96	1.01	-4.99	7.06 N	0.59
925.02	0.47	0.00	924.98	1.02	-5.00	7.06 N	0.59
926.03	0.45	0.00	925.99	1.01	-5.00	7.07 N	0.59
927.05	0.51	0.00	927.01	1.02	-5.01	7.08 N	1.77
928.07	0.51	0.00	928.03	1.02	-5.01	7.09 N	0.00
929.08	0.52	0.00	929.04	1.01	-5.02	7.10 N	0.30
930.10	0.53	0.00	930.06	1.02	-5.03	7.11 N	0.29
931.11	0.52	0.00	931.07	1.01	-5.03	7.12 N	0.30
932.13	0.52	0.00	932.09	1.02	-5.04	7.13 N	0.00
933.15	0.51	0.00	933.11	1.02	-5.05	7.14 N	0.30
934.16	0.50	0.00	934.12	1.01	-5.05	7.14 N	0.30
935.18	0.49	0.00	935.14	1.02	-5.06	7.15 N	0.30
936.19	0.47	0.00	936.15	1.01	-5.06	7.16 N	0.59

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
937.21	0.46	0.00	937.17	1.02	-5.07	7.17 N	0.29	
938.23	0.45	0.00	938.19	1.02	-5.08	7.18 N	0.30	
939.24	0.43	0.00	939.20	1.01	-5.08	7.19 N	0.59	
940.26	0.43	0.00	940.22	1.02	-5.09	7.19 N	0.00	
941.27	0.42	0.00	941.23	1.01	-5.09	7.20 N	0.30	
942.29	0.41	0.00	942.25	1.02	-5.10	7.21 N	0.29	
943.31	0.41	0.00	943.27	1.02	-5.10	7.22 N	0.00	
944.32	0.40	0.00	944.28	1.01	-5.11	7.22 N	0.30	
945.34	0.37	0.00	945.30	1.02	-5.11	7.23 N	0.88	
946.35	0.41	0.00	946.31	1.01	-5.12	7.24 N	1.19	
947.37	0.42	0.00	947.33	1.02	-5.12	7.24 N	0.29	
948.39	0.43	0.00	948.35	1.02	-5.13	7.25 N	0.30	
949.40	0.43	0.00	949.36	1.01	-5.13	7.26 N	0.00	
950.42	0.42	0.00	950.38	1.02	-5.14	7.27 N	0.29	

950.42	0.43	0.00	950.38	1.02	-5.14	7.27 N	0.00
951.43	0.42	0.00	951.39	1.01	-5.14	7.27 N	0.30
952.45	0.41	0.00	952.41	1.02	-5.15	7.28 N	0.29
953.47	0.38	0.00	953.43	1.02	-5.15	7.29 N	0.88
954.48	0.37	0.00	954.44	1.01	-5.16	7.30 N	0.30
955.50	0.37	0.00	955.46	1.02	-5.16	7.30 N	0.00
956.51	0.38	0.00	956.47	1.01	-5.17	7.31 N	0.30
957.53	0.39	0.00	957.49	1.02	-5.17	7.32 N	0.30
958.55	0.39	0.00	958.51	1.02	-5.18	7.32 N	0.00
959.56	0.38	0.00	959.52	1.01	-5.18	7.33 N	0.30
960.58	0.38	0.00	960.54	1.02	-5.19	7.34 N	0.00
961.59	0.35	0.00	961.55	1.01	-5.19	7.34 N	0.89
962.61	0.32	0.00	962.57	1.02	-5.20	7.35 N	0.88
963.63	0.30	0.00	963.59	1.02	-5.20	7.35 N	0.59
964.64	0.30	0.00	964.60	1.01	-5.20	7.36 N	0.00
965.66	0.31	0.00	965.62	1.02	-5.21	7.36 N	0.30
966.67	0.32	0.00	966.63	1.01	-5.21	7.37 N	0.30
967.69	0.33	0.00	967.65	1.02	-5.22	7.38 N	0.30
968.71	0.34	0.00	968.67	1.02	-5.22	7.38 N	0.29
969.72	0.34	0.00	969.68	1.01	-5.22	7.39 N	0.00
970.74	0.34	0.00	970.70	1.02	-5.23	7.39 N	0.00
971.75	0.34	0.00	971.71	1.01	-5.23	7.40 N	0.00
972.77	0.32	0.00	972.73	1.02	-5.24	7.41 N	0.59
973.79	0.31	0.00	973.75	1.02	-5.24	7.41 N	0.29
974.80	0.32	0.00	974.76	1.01	-5.24	7.42 N	0.30
975.82	0.31	0.00	975.78	1.02	-5.25	7.42 N	0.29
976.83	0.32	0.00	976.79	1.01	-5.25	7.43 N	0.30
977.85	0.32	0.00	977.81	1.02	-5.26	7.43 N	0.00
978.87	0.32	0.00	978.83	1.02	-5.26	7.44 N	0.00
979.88	0.32	0.00	979.84	1.01	-5.26	7.45 N	0.00
980.90	0.31	0.00	980.86	1.02	-5.27	7.45 N	0.29
981.91	0.30	0.00	981.87	1.01	-5.27	7.46 N	0.30
982.93	0.30	0.00	982.89	1.02	-5.28	7.46 N	0.00
983.95	0.29	0.00	983.91	1.02	-5.28	7.47 N	0.30
984.96	0.28	0.00	984.92	1.01	-5.28	7.47 N	0.30
985.98	0.28	0.00	985.94	1.02	-5.29	7.48 N	0.00
986.99	0.28	0.00	986.95	1.01	-5.29	7.48 N	0.00
988.01	0.28	0.00	987.97	1.02	-5.29	7.49 N	0.00
989.03	0.28	0.00	988.99	1.02	-5.30	7.49 N	0.00

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
990.04	0.29	0.00	990.00	1.01	-5.30	7.50 N	0.30	
991.06	0.29	0.00	991.02	1.02	-5.30	7.50 N	0.00	
992.07	0.28	0.00	992.03	1.01	-5.31	7.51 N	0.30	
993.09	0.28	0.00	993.05	1.02	-5.31	7.51 N	0.00	
994.11	0.28	0.00	994.07	1.02	-5.32	7.52 N	0.00	
995.12	0.26	0.00	995.08	1.01	-5.32	7.52 N	0.59	
996.14	0.26	0.00	996.10	1.02	-5.32	7.53 N	0.00	
997.15	0.29	0.00	997.11	1.01	-5.33	7.53 N	0.89	
998.17	0.29	0.00	998.13	1.02	-5.33	7.54 N	0.00	
999.19	0.28	0.00	999.15	1.02	-5.33	7.54 N	0.29	
1000.20	0.27	0.00	1000.16	1.01	-5.34	7.55 N	0.30	
1001.22	0.27	0.00	1001.18	1.02	-5.34	7.55 N	0.00	
1002.23	0.26	0.00	1002.19	1.01	-5.34	7.56 N	0.30	
1003.25	0.26	0.00	1003.21	1.02	-5.35	7.56 N	0.00	
1004.27	0.28	0.00	1004.23	1.02	-5.35	7.57 N	0.59	
1005.28	0.28	0.00	1005.24	1.01	-5.35	7.57 N	0.00	

1006.30	0.28	0.00	1006.26	1.02	-5.36	7.58 N	0.00
1007.31	0.28	0.00	1007.27	1.01	-5.36	7.58 N	0.00
1008.33	0.28	0.00	1008.29	1.02	-5.36	7.59 N	0.00
1009.35	0.27	0.00	1009.31	1.02	-5.37	7.59 N	0.30
1010.36	0.26	0.00	1010.32	1.01	-5.37	7.59 N	0.30
1011.38	0.26	0.00	1011.34	1.02	-5.37	7.60 N	0.00
1012.39	0.27	0.00	1012.35	1.01	-5.38	7.60 N	0.30
1013.41	0.28	0.00	1013.37	1.02	-5.38	7.61 N	0.30
1014.43	0.28	0.00	1014.39	1.02	-5.38	7.61 N	0.00
1015.44	0.27	0.00	1015.40	1.01	-5.39	7.62 N	0.30
1016.46	0.26	0.00	1016.42	1.02	-5.39	7.62 N	0.29
1017.47	0.25	0.00	1017.43	1.01	-5.39	7.63 N	0.30
1018.49	0.25	0.00	1018.45	1.02	-5.40	7.63 N	0.00
1019.51	0.24	0.00	1019.47	1.02	-5.40	7.64 N	0.29
1020.52	0.25	0.00	1020.48	1.01	-5.40	7.64 N	0.30
1021.54	0.25	0.00	1021.50	1.02	-5.41	7.65 N	0.00
1022.55	0.25	0.00	1022.51	1.01	-5.41	7.65 N	0.00
1023.57	0.25	0.00	1023.53	1.02	-5.41	7.65 N	0.00
1024.59	0.25	0.00	1024.55	1.02	-5.42	7.66 N	0.00
1025.60	0.24	0.00	1025.56	1.01	-5.42	7.66 N	0.30
1026.62	0.25	0.00	1026.58	1.02	-5.42	7.67 N	0.29
1027.63	0.23	0.00	1027.59	1.01	-5.42	7.67 N	0.59
1028.65	0.21	0.00	1028.61	1.02	-5.43	7.68 N	0.59
1029.67	0.24	0.00	1029.63	1.02	-5.43	7.68 N	0.88
1030.68	0.23	0.00	1030.64	1.01	-5.43	7.68 N	0.30
1031.70	0.23	0.00	1031.66	1.02	-5.44	7.69 N	0.00
1032.71	0.23	0.00	1032.67	1.01	-5.44	7.69 N	0.00
1033.73	0.22	0.00	1033.69	1.02	-5.44	7.70 N	0.29
1034.75	0.22	0.00	1034.71	1.02	-5.44	7.70 N	0.00
1035.76	0.21	0.00	1035.72	1.01	-5.45	7.70 N	0.30
1036.78	0.21	0.00	1036.74	1.02	-5.45	7.71 N	0.00
1037.79	0.20	0.00	1037.75	1.01	-5.45	7.71 N	0.30
1038.81	0.20	0.00	1038.77	1.02	-5.46	7.71 N	0.00
1039.83	0.17	0.00	1039.79	1.02	-5.46	7.72 N	0.88
1040.84	0.19	0.00	1040.80	1.01	-5.46	7.72 N	0.59
1041.86	0.20	0.00	1041.82	1.02	-5.46	7.72 N	0.30

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1042.87	0.20	0.00	1042.83	1.01	-5.46	7.73 N	0.00	
1043.89	0.20	0.00	1043.85	1.02	-5.47	7.73 N	0.00	
1044.91	0.20	0.00	1044.87	1.02	-5.47	7.74 N	0.00	
1045.92	0.20	0.00	1045.88	1.01	-5.47	7.74 N	0.00	
1046.94	0.19	0.00	1046.90	1.02	-5.47	7.74 N	0.30	
1047.95	0.18	0.00	1047.91	1.01	-5.48	7.75 N	0.30	
1048.97	0.17	0.00	1048.93	1.02	-5.48	7.75 N	0.30	
1049.99	0.18	0.00	1049.95	1.02	-5.48	7.75 N	0.30	
1051.00	0.19	0.00	1050.96	1.01	-5.48	7.75 N	0.30	
1052.02	0.20	0.00	1051.98	1.02	-5.49	7.76 N	0.30	
1053.03	0.20	0.00	1052.99	1.01	-5.49	7.76 N	0.00	
1054.05	0.21	0.00	1054.01	1.02	-5.49	7.77 N	0.29	
1055.07	0.21	0.00	1055.03	1.02	-5.49	7.77 N	0.00	
1056.08	0.22	0.00	1056.04	1.01	-5.50	7.77 N	0.30	
1057.10	0.22	0.00	1057.06	1.02	-5.50	7.78 N	0.00	
1058.11	0.21	0.00	1058.07	1.01	-5.50	7.78 N	0.30	
1059.13	0.21	0.00	1059.09	1.02	-5.50	7.78 N	0.00	
1060.15	0.22	0.00	1060.11	1.02	-5.51	7.79 N	0.30	

1061.16	0.23	0.00	1061.12	1.01	-5.51	7.79 N	0.30
1062.18	0.23	0.00	1062.14	1.02	-5.51	7.80 N	0.00
1063.19	0.23	0.00	1063.15	1.01	-5.52	7.80 N	0.00
1064.21	0.23	0.00	1064.17	1.02	-5.52	7.80 N	0.00
1065.23	0.24	0.00	1065.19	1.02	-5.52	7.81 N	0.30
1066.24	0.26	0.00	1066.20	1.01	-5.52	7.81 N	0.59
1067.26	0.27	0.00	1067.22	1.02	-5.53	7.82 N	0.29
1068.27	0.27	0.00	1068.23	1.01	-5.53	7.82 N	0.00
1069.29	0.29	0.00	1069.25	1.02	-5.53	7.83 N	0.59
1070.31	0.29	0.00	1070.27	1.02	-5.54	7.83 N	0.00
1071.32	0.29	0.00	1071.28	1.01	-5.54	7.84 N	0.00
1072.34	0.30	0.00	1072.30	1.02	-5.55	7.84 N	0.30
1073.35	0.30	0.00	1073.31	1.01	-5.55	7.85 N	0.00
1074.37	0.30	0.00	1074.33	1.02	-5.55	7.85 N	0.00
1075.39	0.30	0.00	1075.35	1.02	-5.56	7.86 N	0.00
1076.40	0.30	0.00	1076.36	1.01	-5.56	7.86 N	0.00
1077.42	0.29	0.00	1077.38	1.02	-5.56	7.87 N	0.30
1078.43	0.28	0.00	1078.39	1.01	-5.57	7.87 N	0.30
1079.45	0.28	0.00	1079.41	1.02	-5.57	7.88 N	0.00
1080.47	0.29	0.00	1080.43	1.02	-5.58	7.88 N	0.29
1081.48	0.29	0.00	1081.44	1.01	-5.58	7.89 N	0.00
1082.50	0.28	0.00	1082.46	1.02	-5.58	7.89 N	0.29
1083.51	0.28	0.00	1083.47	1.01	-5.59	7.90 N	0.00
1084.53	0.28	0.00	1084.49	1.02	-5.59	7.90 N	0.00
1085.55	0.27	0.00	1085.51	1.02	-5.59	7.91 N	0.30
1086.56	0.27	0.00	1086.52	1.01	-5.60	7.91 N	0.00
1087.58	0.27	0.00	1087.54	1.02	-5.60	7.92 N	0.00
1088.59	0.28	0.00	1088.55	1.01	-5.60	7.92 N	0.30
1089.61	0.28	0.00	1089.57	1.02	-5.61	7.93 N	0.00
1090.63	0.29	0.00	1090.59	1.02	-5.61	7.93 N	0.29
1091.64	0.30	0.00	1091.60	1.01	-5.61	7.94 N	0.30
1092.66	0.31	0.00	1092.62	1.02	-5.62	7.94 N	0.30
1093.67	0.31	0.00	1093.63	1.01	-5.62	7.95 N	0.00
1094.69	0.32	0.00	1094.65	1.02	-5.63	7.96 N	0.29

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1095.71	0.32	0.00	1095.67	1.02	-5.63	7.96 N	0.00	
1096.72	0.32	0.00	1096.68	1.01	-5.63	7.97 N	0.00	
1097.74	0.31	0.00	1097.70	1.02	-5.64	7.97 N	0.29	
1098.75	0.31	0.00	1098.71	1.01	-5.64	7.98 N	0.00	
1099.77	0.32	0.00	1099.73	1.02	-5.65	7.98 N	0.29	
1100.79	0.33	0.00	1100.75	1.02	-5.65	7.99 N	0.30	
1101.80	0.34	0.00	1101.76	1.01	-5.65	8.00 N	0.30	
1102.82	0.35	0.00	1102.78	1.02	-5.66	8.00 N	0.30	
1103.83	0.36	0.00	1103.79	1.01	-5.66	8.01 N	0.30	
1104.85	0.37	0.00	1104.81	1.02	-5.67	8.01 N	0.30	
1105.87	0.39	0.00	1105.83	1.02	-5.67	8.02 N	0.59	
1106.88	0.41	0.00	1106.84	1.01	-5.68	8.03 N	0.59	
1107.90	0.43	0.00	1107.86	1.02	-5.68	8.04 N	0.59	
1108.91	0.44	0.00	1108.87	1.01	-5.69	8.04 N	0.30	
1109.93	0.44	0.00	1109.89	1.02	-5.69	8.05 N	0.00	
1110.95	0.44	0.00	1110.91	1.02	-5.70	8.06 N	0.00	
1111.96	0.45	0.00	1111.92	1.01	-5.70	8.07 N	0.30	
1112.98	0.44	0.00	1112.94	1.02	-5.71	8.07 N	0.30	
1113.99	0.44	0.00	1113.95	1.01	-5.72	8.08 N	0.00	
1115.01	0.45	0.00	1114.97	1.02	-5.72	8.09 N	0.30	
1116.02	0.45	0.00	1115.98	1.02	-5.73	8.10 N	0.00	

1116.03	0.45	0.00	1115.99	1.02	-5.73	8.10 N	0.00
1117.04	0.45	0.00	1117.00	1.01	-5.73	8.11 N	0.00
1118.06	0.45	0.00	1118.02	1.02	-5.74	8.11 N	0.00
1119.07	0.46	0.00	1119.03	1.01	-5.74	8.12 N	0.30
1120.09	0.47	0.00	1120.05	1.02	-5.75	8.13 N	0.29
1121.11	0.47	0.00	1121.07	1.02	-5.76	8.14 N	0.00
1122.12	0.48	0.00	1122.08	1.01	-5.76	8.15 N	0.30
1123.14	0.49	0.00	1123.10	1.02	-5.77	8.16 N	0.29
1124.15	0.50	0.00	1124.11	1.01	-5.77	8.16 N	0.30
1125.17	0.52	0.00	1125.13	1.02	-5.78	8.17 N	0.59
1126.19	0.52	0.00	1126.15	1.02	-5.79	8.18 N	0.00
1127.20	0.53	0.00	1127.15	1.01	-5.79	8.19 N	0.30
1128.22	0.54	0.00	1128.17	1.02	-5.80	8.20 N	0.30
1129.23	0.55	0.00	1129.18	1.01	-5.81	8.21 N	0.30
1130.25	0.57	0.00	1130.20	1.02	-5.81	8.22 N	0.59
1131.27	0.61	0.00	1131.22	1.02	-5.82	8.23 N	1.18
1132.28	0.63	0.00	1132.23	1.01	-5.83	8.24 N	0.59
1133.30	0.64	0.00	1133.25	1.02	-5.84	8.25 N	0.29
1134.31	0.66	0.00	1134.26	1.01	-5.84	8.27 N	0.59
1135.33	0.67	0.00	1135.28	1.02	-5.85	8.28 N	0.30
1136.35	0.68	0.00	1136.30	1.02	-5.86	8.29 N	0.29
1137.36	0.69	0.00	1137.31	1.01	-5.87	8.30 N	0.30
1138.38	0.69	0.00	1138.33	1.02	-5.88	8.31 N	0.00
1139.39	0.70	0.00	1139.34	1.01	-5.89	8.33 N	0.30
1140.41	0.70	0.00	1140.36	1.02	-5.90	8.34 N	0.00
1141.43	0.70	0.00	1141.38	1.02	-5.91	8.35 N	0.00
1142.44	0.71	0.00	1142.39	1.01	-5.91	8.36 N	0.30
1143.46	0.71	0.00	1143.41	1.02	-5.92	8.38 N	0.00
1144.47	0.72	0.00	1144.42	1.01	-5.93	8.39 N	0.30
1145.49	0.73	0.00	1145.44	1.02	-5.94	8.40 N	0.30
1146.51	0.74	0.00	1146.46	1.02	-5.95	8.41 N	0.29
1147.52	0.76	0.00	1147.47	1.01	-5.96	8.43 N	0.60

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1148.54	0.78	0.00	1148.49	1.02	-5.97	8.44 N	0.59	
1149.55	0.79	0.00	1149.50	1.01	-5.98	8.46 N	0.30	
1150.57	0.81	0.00	1150.52	1.02	-5.99	8.47 N	0.59	
1151.59	0.82	0.00	1151.54	1.02	-6.00	8.48 N	0.30	
1152.60	0.83	0.00	1152.55	1.01	-6.01	8.50 N	0.30	
1153.62	0.82	0.00	1153.57	1.02	-6.02	8.51 N	0.29	
1154.63	0.82	0.00	1154.58	1.01	-6.03	8.53 N	0.00	
1155.65	0.83	0.00	1155.60	1.02	-6.04	8.54 N	0.29	
1156.67	0.82	0.00	1156.62	1.02	-6.05	8.56 N	0.29	
1157.68	0.82	0.00	1157.63	1.01	-6.06	8.57 N	0.00	
1158.70	0.82	0.00	1158.65	1.02	-6.07	8.59 N	0.00	
1159.71	0.82	0.00	1159.66	1.01	-6.08	8.60 N	0.00	
1160.73	0.82	0.00	1160.68	1.02	-6.09	8.62 N	0.00	
1161.75	0.84	0.00	1161.70	1.02	-6.10	8.63 N	0.59	
1162.76	0.84	0.00	1162.71	1.01	-6.11	8.65 N	0.00	
1163.78	0.85	0.00	1163.73	1.02	-6.12	8.66 N	0.29	
1164.79	0.87	0.00	1164.74	1.01	-6.13	8.68 N	0.59	
1165.81	0.86	0.00	1165.76	1.02	-6.15	8.69 N	0.29	
1166.83	0.86	0.00	1166.78	1.02	-6.16	8.71 N	0.00	
1167.84	0.86	0.00	1167.79	1.01	-6.17	8.72 N	0.00	
1168.86	0.86	0.00	1168.81	1.02	-6.18	8.74 N	0.00	
1169.87	0.86	0.00	1169.82	1.01	-6.19	8.75 N	0.00	
1170.89	0.86	0.00	1170.84	1.02	-6.20	8.77 N	0.00	

1171.91	0.87	0.00	1171.86	1.02	-6.21	8.78 N	0.29
1172.92	0.88	0.00	1172.87	1.01	-6.22	8.80 N	0.30
1173.94	0.89	0.00	1173.89	1.02	-6.23	8.81 N	0.29
1174.95	0.90	0.00	1174.90	1.01	-6.24	8.83 N	0.30
1175.97	0.92	0.00	1175.92	1.02	-6.25	8.85 N	0.59
1176.99	0.93	0.00	1176.94	1.02	-6.27	8.86 N	0.30
1178.00	0.96	0.00	1177.95	1.01	-6.28	8.88 N	0.89
1179.02	0.91	0.00	1178.97	1.02	-6.29	8.90 N	1.47
1180.03	0.88	0.00	1179.98	1.01	-6.30	8.91 N	0.89
1181.05	0.99	0.00	1181.00	1.02	-6.31	8.93 N	3.23
1182.07	0.99	0.00	1182.02	1.02	-6.33	8.95 N	0.00
1183.08	0.98	0.00	1183.03	1.01	-6.34	8.96 N	0.30
1184.10	0.97	0.00	1184.05	1.02	-6.35	8.98 N	0.29
1185.11	0.96	0.00	1185.06	1.01	-6.36	9.00 N	0.30
1186.13	0.93	0.00	1186.08	1.02	-6.37	9.01 N	0.88
1187.15	0.92	0.00	1187.10	1.02	-6.39	9.03 N	0.30
1188.16	0.92	0.00	1188.11	1.01	-6.40	9.05 N	0.00
1189.18	0.92	0.00	1189.13	1.02	-6.41	9.06 N	0.00
1190.19	0.91	0.00	1190.14	1.01	-6.42	9.08 N	0.30
1191.21	0.89	0.00	1191.16	1.02	-6.43	9.10 N	0.59
1192.23	0.89	0.00	1192.18	1.02	-6.44	9.11 N	0.00
1193.24	0.88	0.00	1193.19	1.01	-6.45	9.13 N	0.30
1194.26	0.89	0.00	1194.21	1.02	-6.46	9.14 N	0.29
1195.27	0.90	0.00	1195.22	1.01	-6.48	9.16 N	0.30
1196.29	0.90	0.00	1196.24	1.02	-6.49	9.17 N	0.00
1197.31	0.90	0.00	1197.26	1.02	-6.50	9.19 N	0.00
1198.32	0.91	0.00	1198.27	1.01	-6.51	9.21 N	0.30
1199.34	0.91	0.00	1199.29	1.02	-6.52	9.22 N	0.00
1200.35	0.91	0.00	1200.30	1.01	-6.53	9.24 N	0.00

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1201.37	0.91	0.00	1201.32	1.02	-6.54	9.25 N	0.00	
1202.39	0.90	0.00	1202.34	1.02	-6.56	9.27 N	0.29	
1203.40	0.89	0.00	1203.35	1.01	-6.57	9.29 N	0.30	
1204.42	0.88	0.00	1204.37	1.02	-6.58	9.30 N	0.29	
1205.43	0.86	0.00	1205.38	1.01	-6.59	9.32 N	0.59	
1206.45	0.85	0.00	1206.40	1.02	-6.60	9.33 N	0.30	
1207.47	0.83	0.00	1207.42	1.02	-6.61	9.35 N	0.59	
1208.48	0.81	0.00	1208.43	1.01	-6.62	9.36 N	0.59	
1209.50	0.80	0.00	1209.45	1.02	-6.63	9.38 N	0.29	
1210.51	0.78	0.00	1210.46	1.01	-6.64	9.39 N	0.59	
1211.53	0.76	0.00	1211.48	1.02	-6.65	9.40 N	0.59	
1212.55	0.74	0.00	1212.50	1.02	-6.66	9.42 N	0.59	
1213.56	0.71	0.00	1213.51	1.01	-6.67	9.43 N	0.89	
1214.58	0.69	0.00	1214.53	1.02	-6.68	9.44 N	0.59	
1215.59	0.68	0.00	1215.54	1.01	-6.69	9.45 N	0.30	
1216.61	0.66	0.00	1216.56	1.02	-6.69	9.47 N	0.59	
1217.63	0.59	0.00	1217.58	1.02	-6.70	9.48 N	2.06	
1218.64	0.60	0.00	1218.59	1.01	-6.71	9.49 N	0.30	
1219.66	0.63	0.00	1219.61	1.02	-6.72	9.50 N	0.88	
1220.67	0.62	0.00	1220.62	1.01	-6.72	9.51 N	0.30	
1221.69	0.62	0.00	1221.64	1.02	-6.73	9.52 N	0.00	
1222.71	0.61	0.00	1222.66	1.02	-6.74	9.53 N	0.29	
1223.72	0.62	0.00	1223.67	1.01	-6.75	9.54 N	0.30	
1224.74	0.60	0.00	1224.69	1.02	-6.76	9.55 N	0.59	
1225.75	0.59	0.00	1225.70	1.01	-6.76	9.56 N	0.30	

1226.77	0.59	0.00	1226.72	1.02	-6.77	9.57 N	0.00
1227.79	0.57	0.00	1227.74	1.02	-6.78	9.59 N	0.59
1228.80	0.54	0.00	1228.75	1.01	-6.78	9.60 N	0.89
1229.82	0.41	0.00	1229.77	1.02	-6.79	9.60 N	3.82
1230.83	0.49	0.00	1230.77	1.01	-6.80	9.61 N	2.38
1231.85	0.49	0.00	1231.79	1.02	-6.80	9.62 N	0.00
1232.87	0.49	0.00	1232.81	1.02	-6.81	9.63 N	0.00
1233.88	0.47	0.00	1233.82	1.01	-6.81	9.64 N	0.59
1234.90	0.46	0.00	1234.84	1.02	-6.82	9.65 N	0.29
1235.91	0.45	0.00	1235.85	1.01	-6.83	9.65 N	0.30
1236.93	0.44	0.00	1236.87	1.02	-6.83	9.66 N	0.30
1237.95	0.42	0.00	1237.89	1.02	-6.84	9.67 N	0.59
1238.96	0.41	0.00	1238.90	1.01	-6.84	9.68 N	0.30
1239.98	0.39	0.00	1239.92	1.02	-6.85	9.68 N	0.59
1240.99	0.37	0.00	1240.93	1.01	-6.85	9.69 N	0.59
1242.01	0.36	0.00	1241.95	1.02	-6.86	9.70 N	0.30
1243.03	0.35	0.00	1242.97	1.02	-6.86	9.70 N	0.29
1244.04	0.35	0.00	1243.98	1.01	-6.87	9.71 N	0.00
1245.06	0.36	0.00	1245.00	1.02	-6.87	9.72 N	0.29
1246.07	0.35	0.00	1246.01	1.01	-6.87	9.72 N	0.30
1247.09	0.35	0.00	1247.03	1.02	-6.88	9.73 N	0.00
1248.11	0.33	0.00	1248.05	1.02	-6.88	9.73 N	0.59
1249.12	0.32	0.00	1249.06	1.01	-6.89	9.74 N	0.30
1250.14	0.32	0.00	1250.08	1.02	-6.89	9.75 N	0.00
1251.15	0.31	0.00	1251.09	1.01	-6.90	9.75 N	0.30
1252.17	0.31	0.00	1252.11	1.02	-6.90	9.76 N	0.00
1253.19	0.32	0.00	1253.13	1.02	-6.90	9.76 N	0.29

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1254.20	0.31	0.00	1254.14	1.01	-6.91	9.77 N	0.30	
1255.22	0.32	0.00	1255.16	1.02	-6.91	9.77 N	0.29	
1256.23	0.33	0.00	1256.17	1.01	-6.91	9.78 N	0.30	
1257.25	0.33	0.00	1257.19	1.02	-6.92	9.79 N	0.00	
1258.27	0.34	0.00	1258.21	1.02	-6.92	9.79 N	0.29	
1259.28	0.35	0.00	1259.22	1.01	-6.93	9.80 N	0.30	
1260.30	0.35	0.00	1260.24	1.02	-6.93	9.80 N	0.00	
1261.31	0.35	0.00	1261.25	1.01	-6.94	9.81 N	0.00	
1262.33	0.35	0.00	1262.27	1.02	-6.94	9.82 N	0.00	
1263.35	0.34	0.00	1263.29	1.02	-6.95	9.82 N	0.30	
1264.36	0.34	0.00	1264.30	1.01	-6.95	9.83 N	0.00	
1265.38	0.33	0.00	1265.32	1.02	-6.95	9.83 N	0.29	
1266.39	0.32	0.00	1266.33	1.01	-6.96	9.84 N	0.30	
1267.41	0.33	0.00	1267.35	1.02	-6.96	9.85 N	0.30	
1268.43	0.33	0.00	1268.37	1.02	-6.97	9.85 N	0.00	
1269.44	0.32	0.00	1269.38	1.01	-6.97	9.86 N	0.30	
1270.46	0.32	0.00	1270.40	1.02	-6.97	9.86 N	0.00	
1271.47	0.31	0.00	1271.41	1.01	-6.98	9.87 N	0.30	
1272.49	0.31	0.00	1272.43	1.02	-6.98	9.87 N	0.00	
1273.51	0.30	0.00	1273.45	1.02	-6.99	9.88 N	0.30	
1274.52	0.28	0.00	1274.46	1.01	-6.99	9.88 N	0.59	
1275.54	0.27	0.00	1275.48	1.02	-6.99	9.89 N	0.30	
1276.55	0.26	0.00	1276.49	1.01	-7.00	9.89 N	0.30	
1277.57	0.25	0.00	1277.51	1.02	-7.00	9.90 N	0.30	
1278.59	0.26	0.00	1278.53	1.02	-7.00	9.90 N	0.30	
1279.60	0.25	0.00	1279.54	1.01	-7.01	9.91 N	0.30	
1280.62	0.24	0.00	1280.56	1.02	-7.01	9.91 N	0.29	
1281.62	0.23	0.00	1281.57	1.01	-7.01	9.92 N	0.30	

1281.63	0.23	0.00	1281.57	1.01	-7.01	9.92 N	0.30
1282.65	0.22	0.00	1282.59	1.02	-7.01	9.92 N	0.29
1283.67	0.21	0.00	1283.61	1.02	-7.02	9.92 N	0.30
1284.68	0.21	0.00	1284.62	1.01	-7.02	9.93 N	0.00
1285.70	0.22	0.00	1285.64	1.02	-7.02	9.93 N	0.30
1286.71	0.23	0.00	1286.65	1.01	-7.03	9.94 N	0.30
1287.73	0.24	0.00	1287.67	1.02	-7.03	9.94 N	0.30
1288.75	0.25	0.00	1288.69	1.02	-7.03	9.94 N	0.29
1289.76	0.27	0.00	1289.70	1.01	-7.03	9.95 N	0.59
1290.78	0.30	0.00	1290.72	1.02	-7.04	9.95 N	0.88
1291.79	0.33	0.00	1291.73	1.01	-7.04	9.96 N	0.89
1292.81	0.35	0.00	1292.75	1.02	-7.05	9.97 N	0.59
1293.83	0.36	0.00	1293.77	1.02	-7.05	9.97 N	0.29
1294.84	0.37	0.00	1294.78	1.01	-7.06	9.98 N	0.30
1295.86	0.37	0.00	1295.80	1.02	-7.06	9.98 N	0.00
1296.87	0.36	0.00	1296.81	1.01	-7.06	9.99 N	0.30
1297.89	0.36	0.00	1297.83	1.02	-7.07	10.00 N	0.00
1298.91	0.35	0.00	1298.85	1.02	-7.07	10.00 N	0.29
1299.92	0.35	0.00	1299.86	1.01	-7.08	10.01 N	0.00
1300.94	0.36	0.00	1300.88	1.02	-7.08	10.02 N	0.29
1301.95	0.37	0.00	1301.89	1.01	-7.09	10.02 N	0.30
1302.97	0.36	0.00	1302.91	1.02	-7.09	10.03 N	0.30
1303.99	0.36	0.00	1303.93	1.02	-7.10	10.04 N	0.00
1305.00	0.35	0.00	1304.94	1.01	-7.10	10.04 N	0.30
1306.02	0.33	0.00	1305.96	1.02	-7.10	10.05 N	0.59

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1307.03	0.32	0.00	1306.97	1.01	-7.11	10.05 N	0.30	
1308.05	0.31	0.00	1307.99	1.02	-7.11	10.06 N	0.29	
1309.07	0.30	0.00	1309.01	1.02	-7.12	10.06 N	0.30	
1310.08	0.29	0.00	1310.02	1.01	-7.12	10.07 N	0.30	
1311.10	0.28	0.00	1311.04	1.02	-7.12	10.07 N	0.29	
1312.11	0.29	0.00	1312.05	1.01	-7.13	10.08 N	0.30	
1313.13	0.30	0.00	1313.07	1.02	-7.13	10.09 N	0.30	
1314.15	0.30	0.00	1314.09	1.02	-7.13	10.09 N	0.00	
1315.16	0.30	0.00	1315.10	1.01	-7.14	10.10 N	0.00	
1316.18	0.29	0.00	1316.12	1.02	-7.14	10.10 N	0.30	
1317.19	0.27	0.00	1317.13	1.01	-7.15	10.11 N	0.59	
1318.21	0.27	0.00	1318.15	1.02	-7.15	10.11 N	0.00	
1319.23	0.27	0.00	1319.17	1.02	-7.15	10.12 N	0.00	
1320.24	0.26	0.00	1320.18	1.01	-7.16	10.12 N	0.30	
1321.26	0.26	0.00	1321.20	1.02	-7.16	10.12 N	0.00	
1322.27	0.26	0.00	1322.21	1.01	-7.16	10.13 N	0.00	
1323.29	0.25	0.00	1323.23	1.02	-7.17	10.13 N	0.30	
1324.31	0.25	0.00	1324.25	1.02	-7.17	10.14 N	0.00	
1325.32	0.25	0.00	1325.26	1.01	-7.17	10.14 N	0.00	
1326.34	0.24	0.00	1326.28	1.02	-7.18	10.15 N	0.29	
1327.35	0.24	0.00	1327.29	1.01	-7.18	10.15 N	0.00	
1328.37	0.24	0.00	1328.31	1.02	-7.18	10.16 N	0.00	
1329.39	0.24	0.00	1329.33	1.02	-7.18	10.16 N	0.00	
1330.40	0.24	0.00	1330.34	1.01	-7.19	10.16 N	0.00	
1331.42	0.24	0.00	1331.36	1.02	-7.19	10.17 N	0.00	
1332.43	0.24	0.00	1332.37	1.01	-7.19	10.17 N	0.00	
1333.45	0.23	0.00	1333.39	1.02	-7.20	10.18 N	0.30	
1334.47	0.25	0.00	1334.41	1.02	-7.20	10.18 N	0.59	
1335.48	0.26	0.00	1335.42	1.01	-7.20	10.19 N	0.30	
1336.50	0.27	0.00	1336.44	1.02	-7.21	10.19 N	0.29	

1337.51	0.28	0.00	1337.45	1.01	-7.21	10.20 N	0.30
1338.53	0.28	0.00	1338.47	1.02	-7.21	10.20 N	0.00
1339.55	0.27	0.00	1339.49	1.02	-7.22	10.20 N	0.30
1340.56	0.25	0.00	1340.50	1.01	-7.22	10.21 N	0.59
1341.58	0.22	0.00	1341.52	1.02	-7.22	10.21 N	0.88
1342.59	0.24	0.00	1342.53	1.01	-7.23	10.22 N	0.59
1343.61	0.22	0.00	1343.55	1.02	-7.23	10.22 N	0.59
1344.63	0.22	0.00	1344.57	1.02	-7.23	10.23 N	0.00
1345.64	0.19	0.00	1345.58	1.01	-7.23	10.23 N	0.89
1346.66	0.19	0.00	1346.60	1.02	-7.24	10.23 N	0.00
1347.67	0.19	0.00	1347.61	1.01	-7.24	10.24 N	0.00
1348.69	0.18	0.00	1348.63	1.02	-7.24	10.24 N	0.29
1349.71	0.18	0.00	1349.65	1.02	-7.24	10.24 N	0.00
1350.72	0.18	0.00	1350.66	1.01	-7.24	10.25 N	0.00
1351.74	0.19	0.00	1351.68	1.02	-7.25	10.25 N	0.29
1352.75	0.20	0.00	1352.69	1.01	-7.25	10.25 N	0.30
1353.77	0.21	0.00	1353.71	1.02	-7.25	10.26 N	0.29
1354.79	0.22	0.00	1354.73	1.02	-7.25	10.26 N	0.30
1355.80	0.23	0.00	1355.74	1.01	-7.26	10.26 N	0.30
1356.82	0.22	0.00	1356.76	1.02	-7.26	10.27 N	0.29
1357.83	0.22	0.00	1357.77	1.01	-7.26	10.27 N	0.00
1358.85	0.22	0.00	1358.79	1.02	-7.27	10.28 N	0.00

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1359.87	0.22	0.00	1359.81	1.02	-7.27	10.28 N	0.00	
1360.88	0.24	0.00	1360.82	1.01	-7.27	10.28 N	0.59	
1361.90	0.25	0.00	1361.84	1.02	-7.27	10.29 N	0.29	
1362.91	0.25	0.00	1362.85	1.01	-7.28	10.29 N	0.00	
1363.93	0.26	0.00	1363.87	1.02	-7.28	10.30 N	0.30	
1364.95	0.26	0.00	1364.89	1.02	-7.28	10.30 N	0.00	
1365.96	0.26	0.00	1365.90	1.01	-7.29	10.31 N	0.00	
1366.98	0.27	0.00	1366.92	1.02	-7.29	10.31 N	0.29	
1367.99	0.27	0.00	1367.93	1.01	-7.29	10.32 N	0.00	
1369.01	0.28	0.00	1368.95	1.02	-7.30	10.32 N	0.30	
1370.03	0.28	0.00	1369.97	1.02	-7.30	10.33 N	0.00	
1371.04	0.27	0.00	1370.98	1.01	-7.30	10.33 N	0.30	
1372.06	0.28	0.00	1372.00	1.02	-7.31	10.34 N	0.30	
1373.07	0.29	0.00	1373.01	1.01	-7.31	10.34 N	0.30	
1374.09	0.29	0.00	1374.03	1.02	-7.32	10.35 N	0.00	
1375.11	0.29	0.00	1375.05	1.02	-7.32	10.35 N	0.00	
1376.12	0.27	0.00	1376.06	1.01	-7.32	10.36 N	0.59	
1377.14	0.25	0.00	1377.08	1.02	-7.33	10.36 N	0.59	
1378.15	0.24	0.00	1378.09	1.01	-7.33	10.36 N	0.30	
1379.17	0.22	0.00	1379.11	1.02	-7.33	10.37 N	0.59	
1380.19	0.20	0.00	1380.13	1.02	-7.33	10.37 N	0.59	
1381.20	0.19	0.00	1381.14	1.01	-7.34	10.38 N	0.30	
1382.22	0.17	0.00	1382.16	1.02	-7.34	10.38 N	0.59	
1383.23	0.17	0.00	1383.17	1.01	-7.34	10.38 N	0.00	
1384.25	0.15	0.00	1384.19	1.02	-7.34	10.38 N	0.59	
1385.27	0.12	0.00	1385.21	1.02	-7.34	10.39 N	0.88	
1386.28	0.09	0.00	1386.22	1.01	-7.35	10.39 N	0.89	
1387.30	0.04	0.00	1387.24	1.02	-7.35	10.39 N	1.47	
1388.31	0.02	0.00	1388.25	1.01	-7.35	10.39 N	0.59	
1389.33	0.01	0.00	1389.27	1.02	-7.35	10.39 N	0.29	
1390.35	0.04	0.00	1390.29	1.02	-7.35	10.39 N	0.88	
1391.36	0.06	0.00	1391.30	1.01	-7.35	10.39 N	0.59	

1392.38	0.07	0.00	1392.32	1.02	-7.35	10.39 N	0.30
1393.39	0.09	0.00	1393.33	1.01	-7.35	10.40 N	0.59
1394.41	0.10	0.00	1394.35	1.02	-7.35	10.40 N	0.29
1395.43	0.12	0.00	1395.37	1.02	-7.35	10.40 N	0.59
1396.44	0.14	0.00	1396.38	1.01	-7.35	10.40 N	0.59
1397.46	0.16	0.00	1397.40	1.02	-7.36	10.40 N	0.59
1398.47	0.16	0.00	1398.41	1.01	-7.36	10.41 N	0.00
1399.49	0.15	0.00	1399.43	1.02	-7.36	10.41 N	0.30
1400.51	0.18	0.00	1400.45	1.02	-7.36	10.41 N	0.88
1401.52	0.20	0.00	1401.46	1.01	-7.36	10.42 N	0.59
1402.54	0.21	0.00	1402.48	1.02	-7.37	10.42 N	0.29
1403.55	0.18	0.00	1403.49	1.01	-7.37	10.42 N	0.89
1404.57	0.20	0.00	1404.51	1.02	-7.37	10.43 N	0.59
1405.59	0.18	0.00	1405.53	1.02	-7.37	10.43 N	0.59
1406.60	0.18	0.00	1406.54	1.01	-7.38	10.43 N	0.00
1407.62	0.17	0.00	1407.56	1.02	-7.38	10.44 N	0.30
1408.63	0.15	0.00	1408.57	1.01	-7.38	10.44 N	0.59
1409.65	0.15	0.00	1409.59	1.02	-7.38	10.44 N	0.00
1410.67	0.16	0.00	1410.61	1.02	-7.38	10.44 N	0.30
1411.68	0.16	0.00	1411.62	1.01	-7.39	10.45 N	0.00

Survey Report								
Vertical Section Plane: 135.00°					Total Correction: 3.64° East to Grid			
Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			
North Aligned to: Grid North					Well: AMUNGEE NW-1H			
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1412.70	0.17	0.00	1412.64	1.02	-7.39	10.45 N	0.29	
1413.71	0.17	0.00	1413.65	1.01	-7.39	10.45 N	0.00	
1414.73	0.17	0.00	1414.67	1.02	-7.39	10.46 N	0.00	
1415.75	0.18	0.00	1415.69	1.02	-7.40	10.46 N	0.30	
1416.76	0.18	0.00	1416.70	1.01	-7.40	10.46 N	0.00	
1417.78	0.17	0.00	1417.72	1.02	-7.40	10.47 N	0.30	
1418.79	0.17	0.00	1418.73	1.01	-7.40	10.47 N	0.00	
1419.81	0.18	0.00	1419.75	1.02	-7.40	10.47 N	0.30	
1420.83	0.17	0.00	1420.77	1.02	-7.41	10.47 N	0.30	
1421.84	0.17	0.00	1421.78	1.01	-7.41	10.48 N	0.00	
1422.86	0.18	0.00	1422.80	1.02	-7.41	10.48 N	0.30	
1423.87	0.17	0.00	1423.81	1.01	-7.41	10.48 N	0.30	
1424.89	0.18	0.00	1424.83	1.02	-7.42	10.49 N	0.30	
1425.91	0.18	0.00	1425.85	1.02	-7.42	10.49 N	0.00	
1426.92	0.17	0.00	1426.86	1.01	-7.42	10.49 N	0.30	
1427.94	0.17	0.00	1427.88	1.02	-7.42	10.50 N	0.00	
1428.95	0.17	0.00	1428.89	1.01	-7.42	10.50 N	0.00	
1429.97	0.24	0.00	1429.91	1.02	-7.43	10.50 N	2.06	
1430.99	0.31	0.00	1430.93	1.02	-7.43	10.51 N	2.06	
WIRELINE SURVEYS								
1432.00	0.25	130.34	1431.94	1.01	-7.43	10.51 N	15.11	
1433.02	0.22	100.95	1432.96	1.02	-7.43	10.51 N	3.61	
1434.03	0.21	104.69	1433.97	1.01	-7.42	10.51 N	0.51	
1435.05	0.15	201.93	1434.99	1.02	-7.42	10.50 N	8.03	
1436.07	0.22	231.28	1436.01	1.02	-7.42	10.50 N	3.40	
1437.08	0.24	236.37	1437.02	1.01	-7.42	10.50 N	0.85	
1438.10	0.25	234.53	1438.04	1.02	-7.42	10.50 N	0.37	
1439.11	0.26	231.03	1439.05	1.01	-7.42	10.49 N	0.55	
1440.13	0.29	229.27	1440.07	1.02	-7.42	10.49 N	0.92	
1441.15	0.32	226.01	1441.09	1.02	-7.42	10.49 N	1.02	
1442.16	0.33	233.06	1442.10	1.01	-7.42	10.48 N	1.22	
1443.18	0.35	250.74	1443.12	1.02	-7.43	10.48 N	3.13	
1444.19	0.35	250.50	1444.13	1.01	-7.43	10.48 N	0.04	
1445.21	0.38	249.82	1445.15	1.02	-7.43	10.48 N	0.89	
1446.22	0.38	246.22	1446.17	1.02	-7.43	10.47 N	0.68	

1446.23	0.38	246.53	1446.17	1.02	-7.43	10.47 N	0.88
1447.24	0.37	242.84	1447.18	1.01	-7.44	10.47 N	0.74
1448.26	0.37	243.43	1448.20	1.02	-7.44	10.47 N	0.11
1449.27	0.34	245.00	1449.21	1.01	-7.44	10.47 N	0.94
1450.29	0.29	240.13	1450.23	1.02	-7.44	10.46 N	1.67
1451.31	0.30	240.97	1451.25	1.02	-7.44	10.46 N	0.32
1452.32	0.32	245.58	1452.26	1.01	-7.44	10.46 N	0.95
1453.34	0.31	248.24	1453.28	1.02	-7.45	10.46 N	0.52
1454.35	0.30	249.00	1454.29	1.01	-7.45	10.45 N	0.32
1455.37	0.32	248.56	1455.31	1.02	-7.45	10.45 N	0.59
1456.39	0.32	250.46	1456.33	1.02	-7.45	10.45 N	0.31
1457.40	0.34	251.67	1457.34	1.01	-7.46	10.45 N	0.63
1458.42	0.34	248.47	1458.36	1.02	-7.46	10.45 N	0.56
1459.43	0.36	245.28	1459.37	1.01	-7.46	10.44 N	0.83
1460.45	0.36	246.89	1460.39	1.02	-7.46	10.44 N	0.30
1461.47	0.27	244.81	1461.41	1.02	-7.46	10.44 N	2.67
1462.48	0.25	241.48	1462.42	1.01	-7.47	10.44 N	0.74
1463.50	0.25	242.95	1463.44	1.02	-7.47	10.43 N	0.19

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1464.51	0.25	244.47	1464.45	1.01	-7.47	10.43 N	0.20	
1465.53	0.22	245.65	1465.47	1.02	-7.47	10.43 N	0.89	
1466.55	0.21	244.95	1466.49	1.02	-7.47	10.43 N	0.30	
1467.56	0.20	245.59	1467.50	1.01	-7.47	10.43 N	0.30	
1468.58	0.20	247.04	1468.52	1.02	-7.47	10.43 N	0.15	
1469.59	0.18	246.29	1469.53	1.01	-7.48	10.43 N	0.60	
1470.61	0.16	244.51	1470.55	1.02	-7.48	10.42 N	0.61	
1471.63	0.14	240.33	1471.57	1.02	-7.48	10.42 N	0.67	
1472.64	0.10	230.76	1472.58	1.01	-7.48	10.42 N	1.33	
1473.66	0.07	243.06	1473.60	1.02	-7.48	10.42 N	1.03	
1474.67	0.05	290.69	1474.61	1.01	-7.48	10.42 N	1.54	
1475.69	0.03	349.38	1475.63	1.02	-7.48	10.42 N	1.26	
1476.71	0.02	51.32	1476.65	1.02	-7.48	10.42 N	0.80	
1477.72	0.01	129.75	1477.66	1.01	-7.48	10.42 N	0.61	
1478.74	0.03	99.32	1478.68	1.02	-7.48	10.42 N	0.65	
1479.75	0.05	104.63	1479.69	1.01	-7.48	10.42 N	0.60	
1480.77	0.07	121.67	1480.71	1.02	-7.48	10.42 N	0.78	
1481.79	0.10	116.06	1481.73	1.02	-7.48	10.42 N	0.91	
1482.80	0.12	131.53	1482.74	1.01	-7.47	10.42 N	1.06	
1483.82	0.18	142.47	1483.76	1.02	-7.47	10.42 N	1.95	
1484.83	0.25	158.34	1484.77	1.01	-7.47	10.41 N	2.71	
1485.85	0.24	165.60	1485.79	1.02	-7.46	10.41 N	0.96	
1486.87	0.17	149.67	1486.81	1.02	-7.46	10.41 N	2.64	
1487.88	0.15	130.79	1487.82	1.01	-7.46	10.40 N	1.67	
1488.90	0.16	126.19	1488.84	1.02	-7.46	10.40 N	0.47	
1489.91	0.16	127.34	1489.85	1.01	-7.45	10.40 N	0.10	
1490.93	0.16	147.52	1490.87	1.02	-7.45	10.40 N	1.65	
1491.95	0.16	167.77	1491.89	1.02	-7.45	10.40 N	1.66	
1492.96	0.15	172.53	1492.90	1.01	-7.44	10.39 N	0.48	
1493.98	0.12	168.53	1493.92	1.02	-7.44	10.39 N	0.92	
1494.99	0.06	136.54	1494.93	1.01	-7.44	10.39 N	2.26	
1496.01	0.06	119.73	1495.95	1.02	-7.44	10.39 N	0.52	
1497.03	0.08	142.14	1496.97	1.02	-7.44	10.39 N	0.99	
1498.04	0.08	142.49	1497.98	1.01	-7.44	10.39 N	0.01	
1499.06	0.11	149.29	1499.00	1.02	-7.44	10.39 N	0.94	
1500.07	0.12	133.09	1500.01	1.01	-7.43	10.38 N	1.01	
1501.09	0.11	114.71	1501.03	1.02	-7.43	10.38 N	1.12	

1502.11	0.11	106.31	1502.05	1.02	-7.43	10.38 N	0.47
1503.12	0.10	114.98	1503.06	1.01	-7.43	10.38 N	0.56
1504.14	0.10	105.07	1504.08	1.02	-7.43	10.38 N	0.51
1505.15	0.12	89.38	1505.09	1.01	-7.43	10.38 N	1.07
1506.17	0.11	85.31	1506.11	1.02	-7.42	10.38 N	0.38
1507.19	0.09	90.32	1507.13	1.02	-7.42	10.38 N	0.64
1508.20	0.09	87.28	1508.14	1.01	-7.42	10.38 N	0.14
1509.22	0.09	48.42	1509.16	1.02	-7.42	10.38 N	1.76
1510.23	0.12	35.90	1510.17	1.01	-7.42	10.38 N	1.12
1511.25	0.12	49.35	1511.19	1.02	-7.42	10.38 N	0.83
1512.27	0.13	60.08	1512.21	1.02	-7.42	10.39 N	0.75
1513.28	0.15	55.81	1513.22	1.01	-7.42	10.39 N	0.67
1514.30	0.12	57.00	1514.24	1.02	-7.42	10.39 N	0.89
1515.31	0.09	64.84	1515.25	1.01	-7.42	10.39 N	0.98
1516.33	0.13	66.54	1516.27	1.02	-7.42	10.39 N	1.18

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1517.35	0.17	76.67	1517.29	1.02	-7.42	10.39 N	1.41	
1518.36	0.18	83.60	1518.30	1.01	-7.42	10.39 N	0.69	
1519.38	0.19	94.43	1519.32	1.02	-7.41	10.39 N	1.07	
1520.39	0.19	93.03	1520.33	1.01	-7.41	10.39 N	0.14	
1521.41	0.18	74.89	1521.35	1.02	-7.41	10.39 N	1.74	
1522.43	0.19	60.42	1522.37	1.02	-7.41	10.39 N	1.40	
1523.44	0.20	51.19	1523.38	1.01	-7.41	10.39 N	0.98	
1524.46	0.20	49.09	1524.40	1.02	-7.41	10.40 N	0.21	
1525.47	0.23	61.32	1525.41	1.01	-7.41	10.40 N	1.62	
1526.49	0.25	66.44	1526.43	1.02	-7.40	10.40 N	0.86	
1527.51	0.26	57.45	1527.45	1.02	-7.40	10.40 N	1.21	
1528.52	0.30	55.24	1528.46	1.01	-7.40	10.41 N	1.23	
1529.54	0.33	57.70	1529.48	1.02	-7.40	10.41 N	0.97	
1530.55	0.36	60.79	1530.49	1.01	-7.40	10.41 N	1.05	
1531.57	0.37	66.26	1531.51	1.02	-7.40	10.41 N	1.07	
1532.59	0.36	73.58	1532.53	1.02	-7.40	10.42 N	1.40	
1533.60	0.37	81.40	1533.54	1.01	-7.39	10.42 N	1.51	
1534.62	0.38	83.98	1534.56	1.02	-7.39	10.42 N	0.58	
1535.63	0.36	78.62	1535.57	1.01	-7.38	10.42 N	1.19	
1536.65	0.36	77.11	1536.59	1.02	-7.38	10.42 N	0.28	
1537.67	0.36	75.91	1537.61	1.02	-7.38	10.42 N	0.22	
1538.68	0.32	77.11	1538.62	1.01	-7.37	10.42 N	1.21	
1539.70	0.30	78.53	1539.64	1.02	-7.37	10.43 N	0.63	
1540.71	0.29	79.48	1540.65	1.01	-7.37	10.43 N	0.33	
1541.73	0.28	77.38	1541.67	1.02	-7.37	10.43 N	0.42	
1542.75	0.30	75.93	1542.69	1.02	-7.36	10.43 N	0.63	
1543.76	0.32	71.66	1543.70	1.01	-7.36	10.43 N	0.91	
1544.78	0.33	69.71	1544.72	1.02	-7.36	10.43 N	0.44	
1545.79	0.35	70.96	1545.73	1.01	-7.35	10.43 N	0.63	
1546.81	0.37	65.11	1546.75	1.02	-7.35	10.44 N	1.23	
1547.83	0.39	59.42	1547.77	1.02	-7.35	10.44 N	1.25	
1548.84	0.43	56.97	1548.78	1.01	-7.35	10.44 N	1.30	
1549.86	0.39	57.10	1549.80	1.02	-7.35	10.45 N	1.18	
1550.87	0.37	56.65	1550.81	1.01	-7.35	10.45 N	0.60	
1551.89	0.37	60.33	1551.83	1.02	-7.34	10.45 N	0.70	
1552.91	0.34	61.40	1552.85	1.02	-7.34	10.46 N	0.90	
1553.92	0.31	57.77	1553.86	1.01	-7.34	10.46 N	1.08	
1554.94	0.30	56.16	1554.88	1.02	-7.34	10.46 N	0.39	
1555.95	0.28	56.99	1555.89	1.01	-7.34	10.47 N	0.61	

1556.97	0.25	61.62	1556.91	1.02	-7.34	10.47 N	1.08
1557.99	0.23	63.88	1557.93	1.02	-7.34	10.47 N	0.65
1559.00	0.25	64.63	1558.94	1.01	-7.33	10.47 N	0.60
1560.02	0.29	62.74	1559.96	1.02	-7.33	10.47 N	1.20
1561.03	0.30	66.00	1560.97	1.01	-7.33	10.48 N	0.58
1562.05	0.25	65.78	1561.99	1.02	-7.33	10.48 N	1.47
1563.07	0.26	65.77	1563.01	1.02	-7.33	10.48 N	0.30
1564.08	0.29	69.96	1564.02	1.01	-7.33	10.48 N	1.07
1565.10	0.29	73.77	1565.04	1.02	-7.32	10.48 N	0.57
1566.11	0.27	74.70	1566.05	1.01	-7.32	10.49 N	0.61
1567.13	0.25	80.17	1567.07	1.02	-7.32	10.49 N	0.94
1568.15	0.21	93.41	1568.09	1.02	-7.32	10.49 N	1.95
1569.16	0.16	110.45	1569.10	1.01	-7.31	10.49 N	2.19

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1570.18	0.11	108.12	1570.12	1.02	-7.31	10.49 N	1.48	
1571.19	0.09	84.99	1571.13	1.01	-7.31	10.49 N	1.33	
1572.21	0.12	66.12	1572.15	1.02	-7.31	10.49 N	1.33	
1573.23	0.13	57.93	1573.17	1.02	-7.31	10.49 N	0.60	
1574.24	0.17	51.85	1574.18	1.01	-7.31	10.49 N	1.28	
1575.26	0.24	53.13	1575.20	1.02	-7.31	10.49 N	2.06	
1576.27	0.29	57.75	1576.21	1.01	-7.31	10.49 N	1.61	
1577.29	0.30	56.68	1577.23	1.02	-7.31	10.50 N	0.34	
1578.31	0.35	54.48	1578.25	1.02	-7.30	10.50 N	1.52	
1579.32	0.40	55.81	1579.26	1.01	-7.30	10.50 N	1.51	
1580.34	0.43	57.24	1580.28	1.02	-7.30	10.51 N	0.93	
1581.35	0.43	56.22	1581.29	1.01	-7.30	10.51 N	0.23	
1582.37	0.41	54.42	1582.31	1.02	-7.30	10.52 N	0.70	
1583.39	0.41	53.80	1583.33	1.02	-7.30	10.52 N	0.13	
1584.40	0.43	53.82	1584.34	1.01	-7.30	10.52 N	0.59	
1585.42	0.46	53.63	1585.36	1.02	-7.30	10.53 N	0.88	
1586.43	0.50	52.46	1586.37	1.01	-7.29	10.53 N	1.22	
1587.45	0.52	51.27	1587.39	1.02	-7.29	10.54 N	0.67	
1588.47	0.52	49.51	1588.41	1.02	-7.29	10.55 N	0.47	
1589.48	0.53	48.34	1589.42	1.01	-7.29	10.55 N	0.43	
1590.50	0.52	49.94	1590.44	1.02	-7.29	10.56 N	0.52	
1591.51	0.51	53.70	1591.45	1.01	-7.29	10.56 N	1.05	
1592.53	0.52	53.23	1592.47	1.02	-7.29	10.57 N	0.32	
1593.55	0.54	53.11	1593.49	1.02	-7.29	10.57 N	0.59	
1594.56	0.53	54.90	1594.50	1.01	-7.29	10.58 N	0.58	
1595.58	0.52	55.25	1595.52	1.02	-7.28	10.59 N	0.31	
1596.59	0.51	55.36	1596.53	1.01	-7.28	10.59 N	0.30	
1597.61	0.52	55.24	1597.55	1.02	-7.28	10.60 N	0.30	
1598.63	0.52	54.10	1598.57	1.02	-7.28	10.60 N	0.30	
1599.64	0.52	53.49	1599.58	1.01	-7.28	10.61 N	0.17	
1600.66	0.52	53.11	1600.60	1.02	-7.28	10.61 N	0.10	
1601.67	0.52	53.36	1601.61	1.01	-7.28	10.62 N	0.07	
1602.69	0.51	54.07	1602.63	1.02	-7.27	10.62 N	0.35	
1603.71	0.51	53.48	1603.65	1.02	-7.27	10.63 N	0.15	
1604.72	0.53	50.81	1604.66	1.01	-7.27	10.63 N	0.93	
1605.74	0.54	50.37	1605.68	1.02	-7.27	10.64 N	0.32	
1606.75	0.55	49.67	1606.69	1.01	-7.27	10.65 N	0.36	
1607.77	0.55	49.55	1607.71	1.02	-7.27	10.65 N	0.03	
1608.79	0.55	50.40	1608.73	1.02	-7.27	10.66 N	0.24	
1609.80	0.54	50.69	1609.74	1.01	-7.27	10.66 N	0.31	
1610.82	0.54	50.36	1610.76	1.02	-7.27	10.67 N	0.09	
1611.83	0.54	51.06	1611.77	1.01	-7.27	10.68 N	0.20	

1611.85	0.54	51.00	1611.77	1.01	-7.27	10.68 N	0.28
1612.85	0.55	51.61	1612.79	1.02	-7.26	10.68 N	0.33
1613.87	0.54	52.04	1613.81	1.02	-7.26	10.69 N	0.32
1614.88	0.54	54.60	1614.82	1.01	-7.26	10.69 N	0.72
1615.90	0.54	56.54	1615.84	1.02	-7.26	10.70 N	0.54
1616.91	0.53	58.47	1616.85	1.01	-7.26	10.71 N	0.61
1617.93	0.52	59.85	1617.87	1.02	-7.26	10.71 N	0.47
1618.95	0.51	59.93	1618.89	1.02	-7.25	10.71 N	0.30
1619.96	0.51	59.89	1619.90	1.01	-7.25	10.72 N	0.01
1620.98	0.51	59.95	1620.92	1.02	-7.25	10.72 N	0.02
1621.99	0.49	58.75	1621.93	1.01	-7.25	10.73 N	0.67

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1623.01	0.47	57.64	1622.95	1.02	-7.24	10.73 N	0.65	
1624.03	0.45	57.26	1623.97	1.02	-7.24	10.74 N	0.59	
1625.04	0.42	55.78	1624.98	1.01	-7.24	10.74 N	0.95	
1626.06	0.38	53.44	1626.00	1.02	-7.24	10.75 N	1.27	
1627.07	0.37	51.37	1627.01	1.01	-7.24	10.75 N	0.50	
1628.09	0.34	51.16	1628.03	1.02	-7.24	10.75 N	0.88	
1629.11	0.31	52.05	1629.05	1.02	-7.24	10.76 N	0.89	
1630.12	0.30	50.78	1630.06	1.01	-7.24	10.76 N	0.36	
1631.14	0.27	48.53	1631.08	1.02	-7.24	10.76 N	0.94	
1632.15	0.25	44.45	1632.09	1.01	-7.24	10.77 N	0.81	
1633.17	0.24	39.84	1633.11	1.02	-7.24	10.77 N	0.65	
1634.19	0.21	35.47	1634.13	1.02	-7.24	10.77 N	1.02	
1635.20	0.18	31.88	1635.14	1.01	-7.24	10.78 N	0.96	
1636.22	0.17	28.82	1636.16	1.02	-7.24	10.78 N	0.40	
1637.23	0.12	24.40	1637.17	1.01	-7.24	10.78 N	1.52	
1638.25	0.09	9.73	1638.19	1.02	-7.24	10.78 N	1.18	
1639.27	0.09	349.52	1639.21	1.02	-7.24	10.78 N	0.93	
1640.28	0.09	332.94	1640.22	1.01	-7.24	10.79 N	0.77	
1641.30	0.08	321.37	1641.24	1.02	-7.24	10.79 N	0.58	
1642.31	0.07	309.52	1642.25	1.01	-7.25	10.79 N	0.55	
1643.33	0.07	285.39	1643.27	1.02	-7.25	10.79 N	0.86	
1644.35	0.07	269.22	1644.29	1.02	-7.25	10.79 N	0.58	
1645.36	0.08	269.52	1645.30	1.01	-7.25	10.79 N	0.30	
1646.38	0.08	267.68	1646.32	1.02	-7.25	10.79 N	0.08	
1647.39	0.08	277.06	1647.33	1.01	-7.25	10.79 N	0.39	
1648.41	0.08	287.27	1648.35	1.02	-7.25	10.79 N	0.42	
1649.43	0.09	290.90	1649.37	1.02	-7.25	10.79 N	0.34	
1650.44	0.10	288.55	1650.38	1.01	-7.26	10.79 N	0.32	
1651.46	0.12	287.56	1651.40	1.02	-7.26	10.79 N	0.59	
1652.47	0.12	290.26	1652.41	1.01	-7.26	10.79 N	0.17	
1653.49	0.12	295.04	1653.43	1.02	-7.26	10.79 N	0.29	
1654.51	0.12	307.16	1654.45	1.02	-7.26	10.79 N	0.74	
1655.52	0.13	317.69	1655.46	1.01	-7.27	10.79 N	0.74	
1656.54	0.14	325.71	1656.48	1.02	-7.27	10.80 N	0.63	
1657.55	0.15	333.57	1657.49	1.01	-7.27	10.80 N	0.66	
1658.57	0.16	338.62	1658.51	1.02	-7.27	10.80 N	0.50	
1659.59	0.16	344.67	1659.53	1.02	-7.27	10.80 N	0.50	
1660.60	0.17	355.02	1660.54	1.01	-7.28	10.81 N	0.93	
1661.62	0.18	8.61	1661.56	1.02	-7.28	10.81 N	1.25	
1662.63	0.19	17.12	1662.57	1.01	-7.28	10.81 N	0.87	
1663.65	0.21	20.91	1663.59	1.02	-7.28	10.82 N	0.70	
1664.67	0.21	19.41	1664.61	1.02	-7.28	10.82 N	0.16	
1665.68	0.22	21.80	1665.62	1.01	-7.29	10.82 N	0.40	
1666.70	0.23	21.38	1666.64	1.02	-7.29	10.83 N	0.30	

1667.71	0.24	18.74	1667.65	1.01	-7.29	10.83 N	0.44
1668.73	0.24	19.27	1668.67	1.02	-7.29	10.84 N	0.07
1669.75	0.25	18.34	1669.69	1.02	-7.29	10.84 N	0.32
1670.76	0.26	15.43	1670.70	1.01	-7.30	10.84 N	0.49
1671.78	0.27	12.76	1671.72	1.02	-7.30	10.85 N	0.47
1672.79	0.27	7.71	1672.73	1.01	-7.30	10.85 N	0.71
1673.81	0.28	0.76	1673.75	1.02	-7.30	10.86 N	1.02
1674.83	0.29	356.56	1674.77	1.02	-7.31	10.86 N	0.68

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1675.84	0.31	351.02	1675.78	1.01	-7.31	10.87 N	1.05	
1676.86	0.32	347.24	1676.80	1.02	-7.32	10.87 N	0.68	
1677.87	0.35	350.05	1677.81	1.01	-7.32	10.88 N	1.02	
1678.89	0.38	351.18	1678.83	1.02	-7.33	10.89 N	0.91	
1679.91	0.42	348.66	1679.85	1.02	-7.33	10.89 N	1.28	
1680.92	0.47	346.80	1680.86	1.01	-7.34	10.90 N	1.55	
1681.94	0.53	345.18	1681.88	1.02	-7.35	10.91 N	1.81	
1682.95	0.58	343.92	1682.89	1.01	-7.35	10.92 N	1.53	
1683.97	0.61	344.84	1683.91	1.02	-7.36	10.93 N	0.93	
1684.99	0.64	346.23	1684.93	1.02	-7.37	10.94 N	0.99	
1686.00	0.67	346.57	1685.94	1.01	-7.38	10.95 N	0.90	
1687.02	0.71	346.39	1686.96	1.02	-7.39	10.96 N	1.18	
1688.03	0.75	345.53	1687.97	1.01	-7.40	10.98 N	1.23	
1689.05	0.77	344.71	1688.99	1.02	-7.42	10.99 N	0.67	
1690.07	0.76	345.20	1690.01	1.02	-7.43	11.00 N	0.35	
1691.08	0.75	346.21	1691.02	1.01	-7.44	11.01 N	0.50	
1692.10	0.74	347.20	1692.04	1.02	-7.45	11.03 N	0.48	
1693.11	0.72	348.28	1693.05	1.01	-7.46	11.04 N	0.72	
1694.13	0.73	349.43	1694.07	1.02	-7.47	11.05 N	0.52	
1695.15	0.72	351.01	1695.09	1.02	-7.48	11.07 N	0.66	
1696.16	0.71	352.93	1696.10	1.01	-7.49	11.08 N	0.77	
1697.18	0.71	354.77	1697.12	1.02	-7.50	11.09 N	0.67	
1698.19	0.70	357.63	1698.13	1.01	-7.51	11.10 N	1.09	
1699.21	0.69	1.62	1699.15	1.02	-7.52	11.12 N	1.45	
1700.23	0.68	3.86	1700.17	1.02	-7.53	11.13 N	0.84	
1701.24	0.68	5.43	1701.18	1.01	-7.54	11.14 N	0.55	
1702.26	0.66	6.38	1702.20	1.02	-7.54	11.15 N	0.67	
1703.27	0.66	7.37	1703.21	1.01	-7.55	11.16 N	0.34	
1704.29	0.66	9.05	1704.23	1.02	-7.56	11.17 N	0.57	
1705.31	0.66	9.92	1705.25	1.02	-7.57	11.19 N	0.29	
1706.32	0.66	9.93	1706.26	1.01	-7.57	11.20 N	0.00	
1707.34	0.66	11.04	1707.28	1.02	-7.58	11.21 N	0.38	
1708.35	0.66	10.67	1708.29	1.01	-7.59	11.22 N	0.13	
1709.37	0.66	9.02	1709.31	1.02	-7.59	11.23 N	0.56	
1710.39	0.65	8.59	1710.33	1.02	-7.60	11.24 N	0.33	
1711.40	0.63	10.09	1711.34	1.01	-7.61	11.25 N	0.78	
1712.42	0.64	11.48	1712.36	1.02	-7.61	11.27 N	0.54	
1713.43	0.64	12.56	1713.37	1.01	-7.62	11.28 N	0.36	
1714.45	0.64	13.51	1714.39	1.02	-7.62	11.29 N	0.31	
1715.47	0.64	13.54	1715.41	1.02	-7.63	11.30 N	0.01	
1716.48	0.65	13.08	1716.42	1.01	-7.64	11.31 N	0.34	
1717.50	0.64	13.21	1717.44	1.02	-7.64	11.32 N	0.30	
1718.51	0.64	14.13	1718.45	1.01	-7.65	11.33 N	0.31	
1719.53	0.64	14.63	1719.47	1.02	-7.65	11.34 N	0.17	
1720.55	0.66	15.30	1720.49	1.02	-7.66	11.35 N	0.63	
1721.56	0.67	14.65	1721.50	1.01	-7.67	11.37 N	0.37	

1722.58	0.67	13.78	1722.52	1.02	-7.67	11.38 N	0.30
1723.59	0.67	12.64	1723.53	1.01	-7.68	11.39 N	0.40
1724.61	0.68	10.60	1724.55	1.02	-7.68	11.40 N	0.76
1725.63	0.68	9.26	1725.57	1.02	-7.69	11.41 N	0.47
1726.64	0.68	9.48	1726.58	1.01	-7.70	11.42 N	0.08
1727.66	0.69	9.59	1727.60	1.02	-7.71	11.44 N	0.30

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1728.67	0.70	9.74	1728.61	1.01	-7.71	11.45 N	0.30	
1729.69	0.72	10.79	1729.63	1.02	-7.72	11.46 N	0.70	
1730.71	0.73	11.23	1730.65	1.02	-7.73	11.47 N	0.34	
1731.72	0.74	11.13	1731.66	1.01	-7.73	11.49 N	0.30	
1732.74	0.75	11.57	1732.68	1.02	-7.74	11.50 N	0.34	
1733.75	0.76	12.17	1733.69	1.01	-7.75	11.51 N	0.38	
1734.77	0.77	13.42	1734.71	1.02	-7.76	11.53 N	0.57	
1735.79	0.77	15.45	1735.73	1.02	-7.76	11.54 N	0.80	
1736.80	0.77	17.02	1736.74	1.01	-7.77	11.55 N	0.63	
1737.82	0.76	18.30	1737.76	1.02	-7.78	11.56 N	0.58	
1738.83	0.75	20.02	1738.76	1.01	-7.78	11.58 N	0.74	
1739.85	0.76	21.52	1739.78	1.02	-7.79	11.59 N	0.65	
1740.87	0.77	22.73	1740.80	1.02	-7.79	11.60 N	0.56	
1741.88	0.76	24.96	1741.81	1.01	-7.80	11.61 N	0.93	
1742.90	0.76	27.62	1742.83	1.02	-7.80	11.63 N	1.04	
1743.91	0.75	29.77	1743.84	1.01	-7.81	11.64 N	0.89	
1744.93	0.74	32.38	1744.86	1.02	-7.81	11.65 N	1.04	
1745.95	0.73	34.62	1745.88	1.02	-7.81	11.66 N	0.89	
1746.96	0.74	36.39	1746.89	1.01	-7.81	11.67 N	0.74	
1747.98	0.75	38.26	1747.91	1.02	-7.82	11.68 N	0.77	
1748.99	0.73	39.56	1748.92	1.01	-7.82	11.69 N	0.78	
1750.01	0.71	40.89	1749.94	1.02	-7.82	11.70 N	0.77	
1751.03	0.70	43.31	1750.96	1.02	-7.82	11.71 N	0.92	
1752.04	0.70	46.15	1751.97	1.01	-7.82	11.72 N	1.03	
1753.06	0.70	47.75	1752.99	1.02	-7.82	11.73 N	0.57	
1754.07	0.71	49.84	1754.00	1.01	-7.82	11.74 N	0.82	
1755.09	0.73	51.41	1755.02	1.02	-7.82	11.74 N	0.83	
1756.11	0.72	52.28	1756.04	1.02	-7.81	11.75 N	0.44	
1757.12	0.69	53.66	1757.05	1.01	-7.81	11.76 N	1.02	
1758.14	0.70	55.02	1758.07	1.02	-7.81	11.77 N	0.57	
1759.15	0.70	56.46	1759.08	1.01	-7.81	11.77 N	0.52	
1760.17	0.70	58.09	1760.10	1.02	-7.81	11.78 N	0.59	
1761.19	0.71	58.75	1761.12	1.02	-7.80	11.79 N	0.38	
1762.20	0.70	59.77	1762.13	1.01	-7.80	11.79 N	0.48	
1763.22	0.69	61.90	1763.15	1.02	-7.80	11.80 N	0.81	
1764.23	0.69	62.85	1764.16	1.01	-7.79	11.81 N	0.34	
1765.25	0.68	63.74	1765.18	1.02	-7.79	11.81 N	0.43	
1766.27	0.69	64.99	1766.20	1.02	-7.78	11.82 N	0.53	
1767.28	0.69	65.43	1767.21	1.01	-7.78	11.82 N	0.16	
1768.30	0.69	66.52	1768.23	1.02	-7.78	11.83 N	0.39	
1769.31	0.69	68.42	1769.24	1.01	-7.77	11.83 N	0.68	
1770.33	0.70	69.27	1770.26	1.02	-7.77	11.84 N	0.42	
1771.35	0.70	69.65	1771.28	1.02	-7.76	11.84 N	0.14	
1772.36	0.72	70.25	1772.29	1.01	-7.76	11.84 N	0.63	
1773.38	0.73	69.88	1773.31	1.02	-7.75	11.85 N	0.32	
1774.39	0.74	69.49	1774.32	1.01	-7.75	11.85 N	0.33	
1775.41	0.75	69.81	1775.34	1.02	-7.74	11.86 N	0.32	
1776.43	0.75	69.83	1776.36	1.02	-7.73	11.86 N	0.01	
1777.44	0.75	69.27	1777.37	1.01	-7.73	11.87 N	0.22	

1777.44	0.75	68.27	1777.57	1.01	-7.75	11.87 N	0.62
1778.46	0.77	68.58	1778.39	1.02	-7.72	11.87 N	0.65
1779.47	0.79	67.63	1779.40	1.01	-7.72	11.88 N	0.71
1780.49	0.80	67.04	1780.42	1.02	-7.71	11.88 N	0.38

Survey Report

Vertical Section Plane: 135.00°	Total Correction: 3.64° East to Grid
Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
North Aligned to: Grid North	Well: AMUNGEE NW-1H

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1781.51	0.81	66.90	1781.44	1.02	-7.71	11.89 N	0.30	
1782.52	0.82	66.32	1782.45	1.01	-7.70	11.89 N	0.39	
1783.54	0.82	65.63	1783.47	1.02	-7.70	11.90 N	0.29	
1784.55	0.84	65.32	1784.48	1.01	-7.69	11.91 N	0.61	
1785.57	0.85	65.54	1785.50	1.02	-7.69	11.91 N	0.31	
1786.59	0.85	66.40	1786.52	1.02	-7.68	11.92 N	0.37	
1787.60	0.86	67.48	1787.53	1.01	-7.68	11.92 N	0.56	
1788.62	0.87	67.70	1788.55	1.02	-7.67	11.93 N	0.31	
1789.63	0.86	67.57	1789.56	1.01	-7.66	11.94 N	0.30	
1790.65	0.86	67.67	1790.58	1.02	-7.66	11.94 N	0.04	
1791.67	0.87	68.30	1791.60	1.02	-7.65	11.95 N	0.41	
1792.68	0.88	68.95	1792.61	1.01	-7.65	11.95 N	0.42	
1793.70	0.87	69.69	1793.63	1.02	-7.64	11.96 N	0.45	
1794.71	0.86	70.38	1794.64	1.01	-7.63	11.96 N	0.43	
1795.73	0.85	70.46	1795.66	1.02	-7.63	11.97 N	0.30	
1796.75	0.85	70.75	1796.68	1.02	-7.62	11.97 N	0.13	
1797.76	0.84	70.58	1797.69	1.01	-7.61	11.98 N	0.31	
1798.78	0.84	70.60	1798.71	1.02	-7.61	11.98 N	0.01	
1799.79	0.82	71.84	1799.72	1.01	-7.60	11.99 N	0.80	
1800.81	0.81	72.58	1800.74	1.02	-7.59	11.99 N	0.43	
1801.83	0.80	72.06	1801.76	1.02	-7.59	12.00 N	0.36	
1802.84	0.80	72.26	1802.77	1.01	-7.58	12.00 N	0.08	
1803.86	0.81	72.13	1803.79	1.02	-7.57	12.01 N	0.30	
1804.87	0.80	71.19	1804.80	1.01	-7.57	12.01 N	0.49	
1805.89	0.79	71.05	1805.82	1.02	-7.56	12.02 N	0.30	
1806.91	0.78	70.44	1806.84	1.02	-7.56	12.02 N	0.38	
1807.92	0.77	69.28	1807.85	1.01	-7.55	12.02 N	0.55	
1808.94	0.76	68.93	1808.87	1.02	-7.54	12.03 N	0.32	
1809.95	0.76	68.27	1809.88	1.01	-7.54	12.03 N	0.26	
1810.97	0.74	66.78	1810.90	1.02	-7.53	12.04 N	0.82	
1811.99	0.73	66.08	1811.92	1.02	-7.53	12.04 N	0.40	
1813.00	0.73	65.00	1812.93	1.01	-7.52	12.05 N	0.41	
1814.02	0.72	63.47	1813.95	1.02	-7.52	12.06 N	0.64	
1815.03	0.71	62.35	1814.96	1.01	-7.52	12.06 N	0.51	
1816.05	0.72	61.30	1815.98	1.02	-7.51	12.07 N	0.48	
1817.07	0.71	60.38	1817.00	1.02	-7.51	12.07 N	0.45	
1818.08	0.72	59.47	1818.01	1.01	-7.51	12.08 N	0.45	
1819.10	0.73	58.30	1819.03	1.02	-7.50	12.09 N	0.53	
1820.11	0.72	56.88	1820.04	1.01	-7.50	12.09 N	0.61	
1821.13	0.73	55.80	1821.06	1.02	-7.50	12.10 N	0.50	
1822.15	0.73	55.07	1822.08	1.02	-7.49	12.11 N	0.27	
1823.16	0.74	54.63	1823.09	1.01	-7.49	12.12 N	0.34	
1824.18	0.74	54.28	1824.11	1.02	-7.49	12.12 N	0.13	
1825.19	0.75	53.63	1825.12	1.01	-7.49	12.13 N	0.39	
1826.21	0.76	53.72	1826.14	1.02	-7.49	12.14 N	0.30	
1827.23	0.77	54.15	1827.16	1.02	-7.48	12.15 N	0.34	
1828.24	0.79	54.09	1828.17	1.01	-7.48	12.15 N	0.59	
1829.26	0.82	54.57	1829.19	1.02	-7.48	12.16 N	0.91	
1830.27	0.85	55.05	1830.20	1.01	-7.48	12.17 N	0.91	
1831.29	0.87	54.71	1831.22	1.02	-7.47	12.18 N	0.61	
1832.31	0.89	55.22	1832.24	1.02	-7.47	12.19 N	0.63	

1833.32	0.91	55.91	1833.25	1.01	-7.47	12.20 N	0.68
---------	------	-------	---------	------	-------	---------	------

Survey Report

Vertical Section Plane: 135.00°	Total Correction: 3.64° East to Grid
Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
North Aligned to: Grid North	Well: AMUNGEE NW-1H

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1834.34	0.92	56.28	1834.27	1.02	-7.47	12.21 N	0.34	
1835.35	0.93	57.30	1835.28	1.01	-7.46	12.22 N	0.57	
1836.37	0.93	58.25	1836.30	1.02	-7.46	12.22 N	0.45	
1837.39	0.92	58.64	1837.32	1.02	-7.45	12.23 N	0.35	
1838.40	0.91	59.99	1838.33	1.01	-7.45	12.24 N	0.71	
1839.42	0.89	61.54	1839.35	1.02	-7.45	12.25 N	0.93	
1840.43	0.87	63.08	1840.36	1.01	-7.44	12.26 N	0.92	
1841.45	0.86	65.02	1841.38	1.02	-7.44	12.26 N	0.91	
1842.47	0.85	66.17	1842.40	1.02	-7.43	12.27 N	0.58	
1843.48	0.84	66.47	1843.41	1.01	-7.43	12.28 N	0.32	
1844.50	0.84	66.89	1844.43	1.02	-7.42	12.28 N	0.18	
1845.51	0.83	67.16	1845.44	1.01	-7.42	12.29 N	0.32	
1846.53	0.81	67.65	1846.45	1.02	-7.41	12.29 N	0.62	
1847.55	0.81	68.67	1847.47	1.02	-7.40	12.30 N	0.42	
1848.56	0.82	69.66	1848.48	1.01	-7.40	12.30 N	0.51	
1849.58	0.83	69.97	1849.50	1.02	-7.39	12.31 N	0.32	
1850.59	0.85	69.66	1850.51	1.01	-7.39	12.31 N	0.61	
1851.61	0.86	69.52	1851.53	1.02	-7.38	12.32 N	0.30	
1852.63	0.86	69.62	1852.55	1.02	-7.37	12.32 N	0.04	
1853.64	0.86	70.05	1853.56	1.01	-7.37	12.33 N	0.19	
1854.66	0.86	70.75	1854.58	1.02	-7.36	12.33 N	0.31	
1855.67	0.87	71.26	1855.59	1.01	-7.35	12.34 N	0.37	
1856.69	0.89	71.40	1856.61	1.02	-7.35	12.34 N	0.59	
1857.71	0.90	71.10	1857.63	1.02	-7.34	12.35 N	0.32	
1858.72	0.90	69.96	1858.64	1.01	-7.33	12.36 N	0.53	
1859.74	0.90	68.68	1859.66	1.02	-7.33	12.36 N	0.59	
1860.75	0.90	66.97	1860.67	1.01	-7.32	12.37 N	0.80	
1861.77	0.89	65.31	1861.69	1.02	-7.31	12.37 N	0.82	
1862.79	0.88	64.31	1862.71	1.02	-7.31	12.38 N	0.54	
1863.80	0.87	63.45	1863.72	1.01	-7.30	12.39 N	0.49	
1864.82	0.87	62.49	1864.74	1.02	-7.30	12.39 N	0.43	
1865.83	0.87	61.43	1865.75	1.01	-7.29	12.40 N	0.48	
1866.85	0.88	60.13	1866.77	1.02	-7.29	12.41 N	0.65	
1867.87	0.87	58.89	1867.79	1.02	-7.29	12.42 N	0.63	
1868.88	0.87	58.45	1868.80	1.01	-7.28	12.42 N	0.20	
1869.90	0.88	58.23	1869.82	1.02	-7.28	12.43 N	0.31	
1870.91	0.89	58.38	1870.83	1.01	-7.28	12.44 N	0.30	
1871.93	0.90	58.63	1871.85	1.02	-7.27	12.45 N	0.32	
1872.95	0.92	58.69	1872.87	1.02	-7.27	12.46 N	0.59	
1873.96	0.92	58.58	1873.88	1.01	-7.26	12.47 N	0.05	
1874.98	0.93	59.15	1874.90	1.02	-7.26	12.47 N	0.40	
1875.99	0.93	59.94	1875.91	1.01	-7.26	12.48 N	0.38	
1877.01	0.94	60.32	1876.93	1.02	-7.25	12.49 N	0.35	
1878.03	0.95	60.88	1877.95	1.02	-7.25	12.50 N	0.40	
1879.04	0.97	61.45	1878.96	1.01	-7.24	12.51 N	0.66	
1880.06	0.98	61.57	1879.98	1.02	-7.24	12.52 N	0.30	
1881.07	0.98	61.88	1880.99	1.01	-7.23	12.52 N	0.16	
1882.09	0.98	62.59	1882.01	1.02	-7.23	12.53 N	0.36	
1883.11	0.97	63.41	1883.03	1.02	-7.22	12.54 N	0.50	
1884.12	0.97	64.35	1884.04	1.01	-7.22	12.55 N	0.47	
1885.14	0.96	65.35	1885.06	1.02	-7.21	12.55 N	0.58	
1886.15	0.96	66.33	1886.07	1.01	-7.20	12.56 N	0.49	

Survey Report

Vertical Section Plane: 135.00°	Total Correction: 3.64° East to Grid
Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
North Aligned to: Grid North	Well: AMUNGEE NW-1H

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1887.17	0.94	67.36	1887.09	1.02	-7.20	12.57 N	0.77	
1888.19	0.93	68.03	1888.11	1.02	-7.19	12.57 N	0.43	
1889.20	0.91	68.64	1889.12	1.01	-7.19	12.58 N	0.66	
1890.22	0.89	70.10	1890.14	1.02	-7.18	12.59 N	0.90	
THE FOLLOWING ARE PATHFINDER MWD SURVEYS								
1897.33	0.87	78.80	1897.25	7.11	-7.13	12.62 N	0.57	
1898.35	0.89	80.60	1898.27	1.02	-7.12	12.62 N	1.00	
1899.36	0.91	82.71	1899.28	1.01	-7.11	12.62 N	1.15	
1900.38	0.93	84.63	1900.30	1.02	-7.10	12.62 N	1.08	
1901.39	0.94	85.83	1901.31	1.01	-7.09	12.62 N	0.65	
1902.41	0.93	86.02	1902.33	1.02	-7.08	12.63 N	0.31	
1903.43	0.93	84.73	1903.35	1.02	-7.06	12.63 N	0.62	
1904.44	0.92	83.47	1904.36	1.01	-7.05	12.63 N	0.67	
1905.46	0.91	81.92	1905.38	1.02	-7.04	12.63 N	0.79	
1906.47	0.90	81.78	1906.39	1.01	-7.03	12.63 N	0.30	
1907.49	0.89	82.10	1907.41	1.02	-7.03	12.63 N	0.33	
1908.51	0.87	81.72	1908.43	1.02	-7.02	12.64 N	0.61	
1909.52	0.86	80.96	1909.44	1.01	-7.01	12.64 N	0.45	
1910.54	0.85	80.32	1910.46	1.02	-7.00	12.64 N	0.41	
1911.55	0.84	79.88	1911.47	1.01	-6.99	12.64 N	0.35	
1912.57	0.84	79.68	1912.49	1.02	-6.98	12.65 N	0.09	
1913.59	0.86	80.91	1913.51	1.02	-6.97	12.65 N	0.80	
1914.60	0.87	83.30	1914.52	1.01	-6.96	12.65 N	1.11	
1915.62	0.90	82.84	1915.54	1.02	-6.95	12.65 N	0.91	
1916.63	0.92	81.34	1916.55	1.01	-6.94	12.66 N	0.92	
1917.65	0.94	80.25	1917.57	1.02	-6.93	12.66 N	0.79	
1918.67	0.95	79.60	1918.59	1.02	-6.92	12.66 N	0.43	
1919.68	0.95	78.87	1919.60	1.01	-6.91	12.66 N	0.36	
1933.30	3.25	114.57	1933.21	13.62	-6.49	12.53 N	5.59	68.46
1946.50	4.66	118.66	1946.37	13.20	-5.62	12.11 N	3.27	70.47
1959.70	5.01	117.98	1959.53	13.20	-4.56	11.59 N	0.81	72.48
1972.90	5.45	118.90	1972.67	13.20	-3.41	11.01 N	1.02	72.48
1986.10	6.24	126.31	1985.80	13.20	-2.09	10.28 N	2.48	72.48
1999.30	7.47	126.53	1998.91	13.20	-0.54	9.35 N	2.80	72.48
2012.50	9.58	128.24	2011.96	13.20	1.40	8.16 N	4.83	74.49
2025.70	11.70	130.63	2024.94	13.20	3.83	6.61 N	4.92	74.49
2038.90	13.01	131.40	2037.83	13.20	6.65	4.75 N	3.00	74.49
2052.20	13.10	134.00	2050.79	13.30	9.65	2.72 N	1.34	74.49
2065.40	13.98	136.94	2063.62	13.20	12.74	0.51 N	2.54	74.49
2078.60	15.39	134.71	2076.39	13.20	16.08	1.89 S	3.45	74.49
2091.80	17.50	132.28	2089.05	13.20	19.82	4.45 S	5.04	76.50
2105.00	19.79	129.97	2101.55	13.20	24.03	7.23 S	5.47	76.50
2118.20	21.63	130.83	2113.90	13.20	28.68	10.25 S	4.24	76.50
2131.40	23.57	131.80	2126.09	13.20	33.74	13.60 S	4.49	76.50
2144.60	24.89	132.77	2138.12	13.20	39.15	17.25 S	3.13	78.50
2157.80	25.85	134.27	2150.05	13.20	44.80	21.14 S	2.62	78.50
2171.10	26.82	135.59	2161.97	13.30	50.70	25.31 S	2.56	76.50
2184.30	28.49	135.29	2173.66	13.20	56.83	29.67 S	3.81	78.50
2197.50	31.48	134.29	2185.09	13.20	63.43	34.32 S	6.89	78.50
2210.70	34.47	133.91	2196.17	13.20	70.61	39.32 S	6.81	78.50
2223.90	34.91	133.45	2207.02	13.20	78.12	44.51 S	1.16	78.50
2237.10	35.35	134.48	2217.81	13.20	85.71	49.78 S	1.68	78.50

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
2250.30	37.99	136.42	2228.40	13.20	93.60	55.40 S	6.55	80.51
2263.50	40.63	136.72	2238.61	13.20	101.95	61.47 S	6.02	78.50
2276.70	42.91	135.82	2248.46	13.20	110.74	67.82 S	5.36	80.51
2289.90	45.90	134.99	2257.89	13.20	119.98	74.40 S	6.92	80.51
2303.10	48.01	135.00	2266.90	13.20	129.63	81.22 S	4.80	80.51
2316.30	49.07	134.73	2275.64	13.20	139.52	88.20 S	2.45	78.50
2329.50	48.54	135.09	2284.33	13.20	149.45	95.21 S	1.35	80.51
2342.70	47.40	135.46	2293.17	13.20	159.25	102.18 S	2.67	80.51
2355.80	48.10	135.60	2301.98	13.10	168.95	109.10 S	1.62	80.51
2369.00	50.56	135.73	2310.58	13.20	178.96	116.26 S	5.59	82.52
2382.30	53.55	135.19	2318.75	13.30	189.45	123.73 S	6.81	82.52
2395.50	54.34	134.63	2326.52	13.20	200.12	131.26 S	2.07	82.52
2408.70	55.31	134.16	2334.13	13.20	210.91	138.81 S	2.37	82.52
2421.90	55.93	133.85	2341.58	13.20	221.80	146.38 S	1.52	82.52
2435.10	57.42	134.03	2348.83	13.20	232.83	154.03 S	3.40	82.52
2448.30	59.88	135.11	2355.70	13.20	244.10	161.95 S	5.97	82.52
2461.50	61.73	135.98	2362.14	13.20	255.62	170.17 S	4.54	82.52
2474.70	61.82	136.12	2368.38	13.20	267.25	178.54 S	0.35	84.53
2487.90	63.22	137.16	2374.47	13.20	278.96	187.06 S	3.81	82.52
2501.10	63.75	136.96	2380.37	13.20	290.76	195.71 S	1.27	84.53
2514.30	62.87	136.96	2386.29	13.20	302.55	204.33 S	2.00	84.53
2527.50	64.46	136.31	2392.15	13.20	314.37	212.92 S	3.85	84.53
2540.70	67.18	136.21	2397.56	13.20	326.41	221.62 S	6.18	84.53
2553.90	69.12	136.17	2402.47	13.20	338.66	230.46 S	4.41	84.53
2567.10	70.79	136.48	2406.99	13.20	351.05	239.43 S	3.85	84.53
2580.30	71.31	136.64	2411.28	13.20	363.53	248.50 S	1.23	84.53
2593.50	71.49	135.86	2415.49	13.20	376.04	257.54 S	1.73	84.53
2606.60	72.98	136.92	2419.49	13.10	388.51	266.57 S	4.12	84.53
2619.80	74.66	136.57	2423.17	13.20	401.18	275.80 S	3.89	86.54
2633.00	76.94	136.38	2426.40	13.20	413.97	285.08 S	5.20	86.54
2646.20	78.79	136.64	2429.18	13.20	426.87	294.44 S	4.24	86.54
2659.40	79.84	136.95	2431.63	13.20	439.84	303.90 S	2.49	86.54
2672.50	80.20	136.73	2433.90	13.10	452.73	313.31 S	0.96	86.54
2685.70	80.55	136.97	2436.10	13.20	465.74	322.80 S	0.96	86.54
2698.80	80.99	137.24	2438.20	13.10	478.66	332.27 S	1.18	86.54
2712.10	81.07	137.28	2440.28	13.30	491.79	341.92 S	0.20	88.54
2725.30	82.31	137.09	2442.19	13.20	504.84	351.50 S	2.85	88.54
2738.50	83.62	136.87	2443.80	13.20	517.93	361.08 S	3.02	88.54
2751.60	83.98	137.13	2445.22	13.10	530.95	370.61 S	1.01	88.54
2764.80	84.06	136.97	2446.59	13.20	544.07	380.22 S	0.40	88.54
2778.00	84.33	136.52	2447.93	13.20	557.20	389.78 S	1.19	88.54
2792.30	85.47	136.38	2449.20	14.30	571.43	400.10 S	2.41	88.54
2805.50	88.29	136.26	2449.92	13.20	584.61	409.63 S	6.41	90.55
2818.70	91.63	136.19	2449.93	13.20	597.80	419.16 S	7.59	
2831.90	90.66	135.64	2449.66	13.20	611.00	428.64 S	2.53	90.55
2845.10	89.52	134.33	2449.64	13.20	624.20	437.97 S	3.95	92.56
2858.20	89.16	133.93	2449.79	13.10	637.30	447.10 S	1.23	88.54
2871.30	89.16	133.41	2449.98	13.10	650.39	456.14 S	1.19	92.56
2884.50	89.25	133.57	2450.17	13.20	663.59	465.22 S	0.42	92.56
2897.70	88.99	133.45	2450.37	13.20	676.78	474.31 S	0.65	92.56
2910.80	89.16	133.02	2450.58	13.10	689.87	483.28 S	1.06	92.56
2924.00	89.16	133.05	2450.78	13.20	703.06	492.29 S	0.07	92.56

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				

Vertical Section Plane: 135.00°					Total Correction: 3.64° East to Grid			
Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			
North Aligned to: Grid North					Well: AMUNGEE NW-1H			
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
2937.20	88.99	133.26	2450.99	13.20	716.25	501.32 S	0.61	92.56
2950.30	88.99	133.39	2451.22	13.10	729.35	510.30 S	0.30	92.56
2963.50	88.90	133.42	2451.46	13.20	742.54	519.37 S	0.21	92.56
2976.70	89.43	134.00	2451.65	13.20	755.73	528.49 S	1.79	94.57
2989.90	90.13	134.49	2451.71	13.20	768.93	537.70 S	1.94	94.57
3003.00	91.28	135.16	2451.54	13.10	782.03	546.94 S	3.05	94.57
3016.20	90.92	134.93	2451.29	13.20	795.23	556.28 S	0.97	92.56
3029.40	91.01	134.84	2451.07	13.20	808.43	565.59 S	0.29	94.57
3042.60	91.10	134.67	2450.83	13.20	821.63	574.88 S	0.44	94.57
3055.80	91.01	134.14	2450.58	13.20	834.82	584.12 S	1.22	94.57
3068.90	91.28	134.24	2450.32	13.10	847.92	593.25 S	0.66	96.57
3082.10	91.36	134.42	2450.02	13.20	861.11	602.47 S	0.45	96.57
3095.30	90.84	134.48	2449.76	13.20	874.31	611.71 S	1.19	94.57
3108.50	91.19	134.89	2449.53	13.20	887.51	620.99 S	1.23	94.57
3121.70	91.80	134.94	2449.18	13.20	900.70	630.31 S	1.39	94.57
3134.80	92.42	135.67	2448.70	13.10	913.80	639.61 S	2.19	96.57
3148.00	92.51	135.74	2448.13	13.20	926.98	649.05 S	0.26	96.57
3161.20	92.68	135.97	2447.54	13.20	940.17	658.51 S	0.65	96.57
3174.30	91.98	135.13	2447.00	13.10	953.26	667.86 S	2.50	98.58
3187.50	91.98	134.55	2446.55	13.20	966.45	677.16 S	1.32	98.58
3200.70	92.68	134.53	2446.01	13.20	979.64	686.41 S	1.59	96.57
3213.90	91.98	134.39	2445.48	13.20	992.82	695.65 S	1.62	98.58
3227.00	91.54	134.17	2445.07	13.10	1005.92	704.79 S	1.13	98.58
3240.20	90.48	133.31	2444.84	13.20	1019.11	713.92 S	3.10	98.58
3253.40	90.92	133.61	2444.68	13.20	1032.31	722.99 S	1.21	98.58
3266.60	90.84	133.50	2444.48	13.20	1045.50	732.09 S	0.31	98.58
3279.80	91.10	133.76	2444.25	13.20	1058.69	741.20 S	0.84	98.58
3292.90	90.92	134.01	2444.02	13.10	1071.79	750.28 S	0.70	98.58
3306.10	90.92	134.36	2443.81	13.20	1084.99	759.47 S	0.80	100.59
3319.30	90.92	134.54	2443.60	13.20	1098.18	768.72 S	0.41	
3332.50	90.92	134.74	2443.39	13.20	1111.38	777.99 S	0.45	100.59
3345.60	90.92	135.06	2443.18	13.10	1124.48	787.24 S	0.73	100.59
3358.80	90.92	135.26	2442.96	13.20	1137.68	796.59 S	0.45	100.59
3371.90	90.92	135.46	2442.75	13.10	1150.78	805.91 S	0.46	100.59
3385.10	90.84	135.66	2442.55	13.20	1163.97	815.34 S	0.49	100.59
3398.20	90.92	136.09	2442.35	13.10	1177.07	824.74 S	1.00	100.59
3411.40	90.31	135.23	2442.21	13.20	1190.27	834.18 S	2.40	100.59
3424.50	89.60	135.00	2442.22	13.10	1203.37	843.46 S	1.71	100.59
3437.60	89.87	135.40	2442.28	13.10	1216.47	852.76 S	1.11	96.57
3450.90	89.87	135.45	2442.31	13.30	1229.77	862.23 S	0.11	100.59
3464.00	89.69	135.60	2442.36	13.10	1242.87	871.58 S	0.54	100.59
3477.10	89.87	136.12	2442.41	13.10	1255.97	880.98 S	1.26	100.59
3490.30	89.96	136.33	2442.43	13.20	1269.16	890.51 S	0.52	102.60
3503.60	90.22	136.61	2442.41	13.30	1282.46	900.15 S	0.86	102.60
3516.70	89.78	136.09	2442.41	13.10	1295.56	909.63 S	1.56	102.60
3530.00	89.96	136.15	2442.44	13.30	1308.85	919.22 S	0.43	102.60
3543.10	90.04	135.81	2442.44	13.10	1321.95	928.64 S	0.80	102.60
3556.30	90.31	136.23	2442.40	13.20	1335.15	938.14 S	1.13	102.60
3569.50	90.84	137.47	2442.27	13.20	1348.34	947.77 S	3.06	102.60
3582.70	91.54	139.14	2441.99	13.20	1361.52	957.62 S	4.11	102.60
3595.90	92.15	140.56	2441.57	13.20	1374.66	967.70 S	3.51	102.60
3609.10	93.03	141.47	2440.97	13.20	1387.77	977.95 S	2.88	104.61

Survey Report				
Vertical Section Plane: 135.00°				
Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				
Survey Reference: Rotary Table				

North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
3622.20	93.83	140.56	2440.19	13.10	1400.78	988.12 S	2.77	104.61
3635.40	96.20	138.92	2439.03	13.20	1413.88	998.15 S	6.54	102.60
3648.60	96.64	136.20	2437.56	13.20	1426.98	1007.83 S	6.22	104.61
3661.80	96.64	133.39	2436.03	13.20	1440.09	1017.07 S	6.34	104.61
3674.90	96.46	130.50	2434.53	13.10	1453.09	1025.77 S	6.59	104.61
3688.00	95.41	127.97	2433.18	13.10	1466.05	1034.01 S	6.24	104.61
3701.10	93.91	126.24	2432.12	13.10	1478.98	1041.88 S	5.23	104.61
3714.20	92.77	127.22	2431.35	13.10	1491.93	1049.70 S	3.44	104.61
3727.40	91.89	127.50	2430.82	13.20	1505.00	1057.71 S	2.10	104.61
3740.50	91.98	127.20	2430.37	13.10	1517.97	1065.65 S	0.72	104.61
3753.70	91.89	127.09	2429.93	13.20	1531.04	1073.62 S	0.32	106.61
3766.80	92.15	126.45	2429.47	13.10	1544.00	1081.45 S	1.58	106.61
3779.90	92.07	126.47	2428.98	13.10	1556.94	1089.23 S	0.19	106.61
3793.20	92.07	126.21	2428.50	13.30	1570.08	1097.11 S	0.59	104.61
3808.00	92.07	126.21	2427.97	14.80	1584.70	1105.85 S	0.00	106.60

BOTTOM HOLE ASSEMBLY RECORD							
RUN 1 m		RUN 2 m		RUN 3 m		RUN 4 m	
6 3/4 PDC BIT	0.21	6 3/4" BIT	0.18	6 3/4 PDC BIT	0.21	6 3/4 PDC BIT	0.21
4 3/4" G2 MOTOR	6.99	4 3/4" G2 MOTOR	6.99	4 3/4" G2 MOTOR	6.99	4 3/4" G2 MOTOR	6.99
4 3.4" FLOAT SUB	0.94	4 3.4" FLOAT SUB	0.94	4 3.4" FLOAT SUB	0.94	4 3.4" FLOAT SUB	0.94
6 3/8" STG STAB	1.62	6 3/8" STG STAB	1.62	6 3/8" STG STAB	1.62	6 3/8" STG STAB	1.62
4 3/4" PONY NWDC	2.99	4 3/4" PONY NWDC	2.99	4 3/4" PONY NWDC	2.99	4 3/4" PONY NWDC	2.99
4 3/4" PP X/OVER	0.36	4 3/4" PP X/OVER	0.36	4 3/4" PP X/OVER	0.36	4 3/4" PP X/OVER	0.98
4 3/4" MWD NMDC	8.77	4 3/4" MWD NMDC	8.77	4 3/4" MWD NMDC	8.77	4 3/4" MWD NMDC	8.15
4 3/4" NMDC	9.34	4 3/4" NMDC	9.34	4 3/4" NMDC	9.34	4 3/4" NMDC	9.34
4 3/4" NMDC	9.35	4 3/4" NMDC	9.35	4 3/4" NMDC	9.35	4 3/4" NMDC	9.35
4 3/4" FILTER	0.92	4 3/4" FILTER	0.92	4 3/4" FILTER	0.92	4 3/4" FILTER	0.92
4 3/4" X/OVER	0.61	4 3/4" X/OVER	0.61	4 3/4" X/OVER	0.61	4 3/4" X/OVER	0.61
42 X 4" DP's	553.93	42 X 4" DP's	553.93	42 X 4" DP's	553.93	42 X 4" DP's	553.93
5 X 4" HWDP	65.55	5 X 4" HWDP	65.55	5 X 4" HWDP	65.55	5 X 4" HWDP	65.55
4 3/4" X/OVER	0.73	4 3/4" X/OVER	0.73	4 3/4" X/OVER	0.73	4 3/4" X/OVER	0.73
HYDRA JAR	9.19	HYDRA JAR	9.19	HYDRA JAR	9.19	HYDRA JAR	9.19
4 3/4: X/OVER	0.66	4 3/4: X/OVER	0.66	4 3/4: X/OVER	0.66	4 3/4: X/OVER	0.66
9 X 4" HWDP	117.88	9 X 4" HWDP	117.88	9 X 4" HWDP	117.88	9 X 4" HWDP	117.88
=====		=====		=====		=====	
TOTAL BHA LENGTH	790.04	TOTAL BHA LENGTH	790.01	TOTAL BHA LENGTH	790.04	TOTAL BHA LENGTH	790.04
=====		=====		=====		=====	
DIRECTIONAL	16.63	DIRECTIONAL	16.61	DIRECTIONAL	16.63	DIRECTIONAL	16.65
GAMMA-RAY	14.18	GAMMA-RAY	14.15	GAMMA-RAY	14.18	SPECTRAL GR	14.51

BOTTOM HOLE ASSEMBLY RECORD							
RUN 5 m							
6 3/4 PDC BIT	0.19						
4 3/4" PD RSS	4.46						

4 3/4" FLOAT SUB	0.94						
4 3/4" DPM	1.40						
4 3/4" PP X/OVER	0.98						
4 3/4" SGS NMDC	8.15						
4 3/4" SAWR	6.24						
4 3/4" ABS	4.70						
4 3/4" NMDC	9.34						
4 3/4" FILTER	0.92						
4 3/4" X/OVER	0.61						
123 X 4" DP'S	1622.56						
10 X 4" HWDP	131.02						
4 3/4" X/OVER	0.73						
HYDRA JAR	9.19						
4 3/4" X/OVER	0.66						
10 X 4" HWDP	131.04						
=====							
TOTAL BHA LENGTH	1933.13						
=====							
DIRECTIONAL	10.89						
SPECTRAL GR	8.73						
PRESSURE	6.66						
RESISTIVITY	19.30						
AWR GAMMA	17.26						

PATHFINDER
A Schlumberger Company

GAMMA-RAY
AZIMUTHAL DENSITY
MEMORY LOG

1 : 200
METERS MD