



A Schlumberger Company

GAMMA-RAY
RESISTIVITY
MEMORY LOG

1 : 200
METERS MD

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

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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

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		

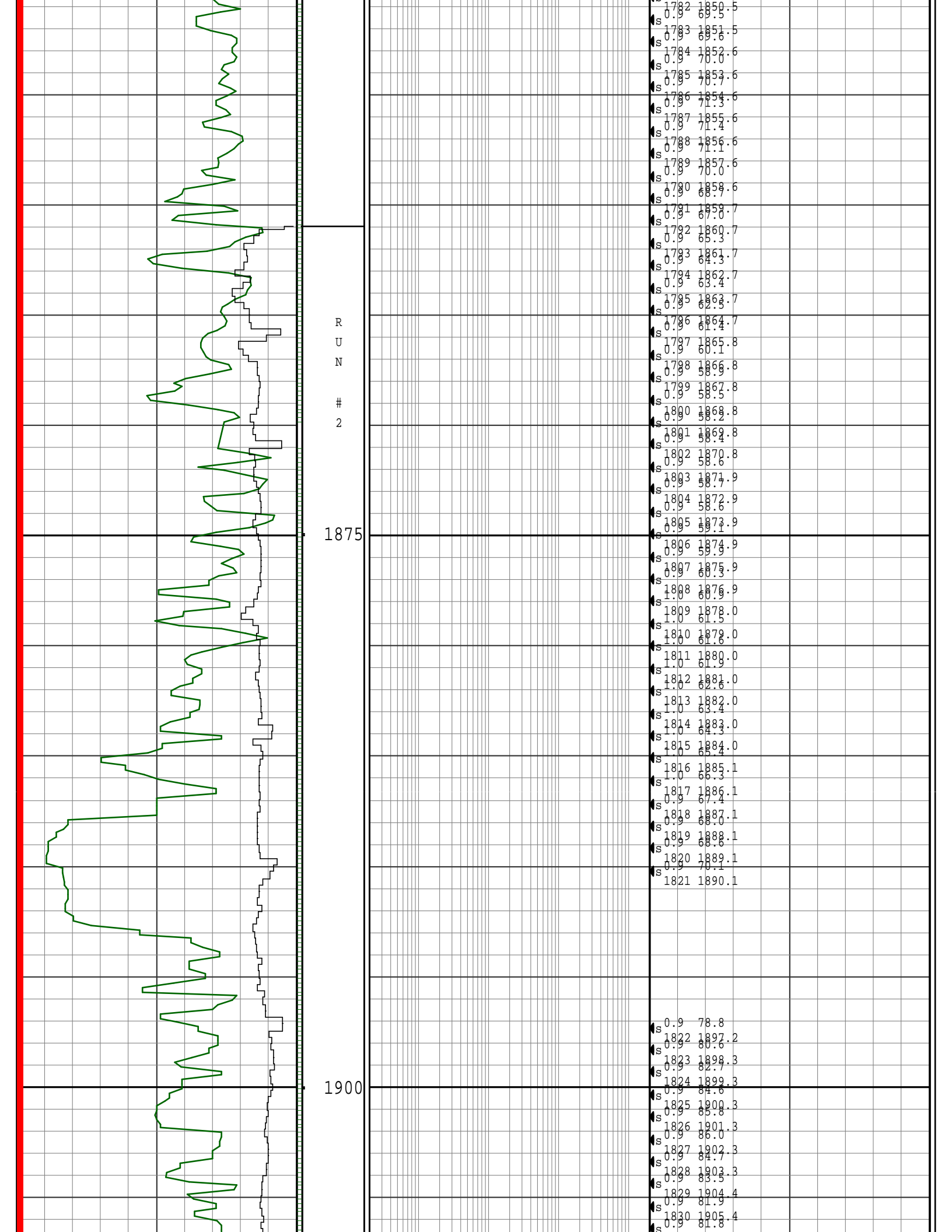
DRILLING Co.: SAXON
RIG : 185
LMD UNIT No.: SYS0250 DISTRICT : ROMA
SPUD DATE : 24-OCT015
LMD START DATE : 23-OCT-15 DEPTH : 1885 m
LMD END DATE : 15-NOV-15 DEPTH : 3808 m
TOTAL DEPTH : 3808 m

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

S_x	σ_{S_x}
0.8	67.2
1.777	1845.4
0.8	67.6
1.778	1846.5
0.8	68.9
1.779	1847.5
0.8	69.7
1.780	1848.5
0.8	70.0
1.781	1849.5
0.8	69.7





R
U
N

2

1925

R
U
N

3

REMARK #2

R
U
N

4

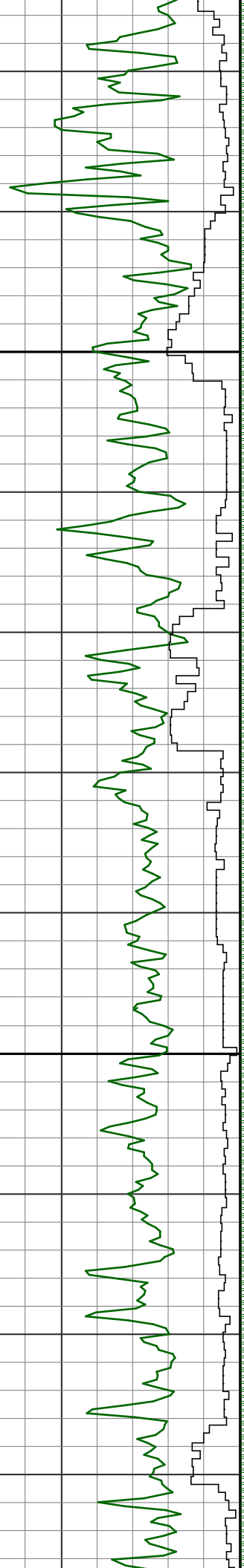
1950

1831 1906.4
0.9 82.1
1832 1907.4
0.9 81.7
1833 1908.4
0.9 81.0
1834 1909.4
0.8 80.3
1835 1910.5
0.8 79.9
1836 1911.5
0.8 79.7
1837 1912.5
0.9 80.9
1838 1913.5
0.9 83.3
1839 1914.5
0.9 82.8
1840 1915.5
0.9 81.3
1841 1916.5
0.9 80.3
1842 1917.6
1.0 78.6
1843 1918.6
1.0 78.9
1844 1919.6

3.2 114.6
1845 1933.2

4.7 118.7
1846 1946.4

5.0 118.0
1847 1959.5



1975

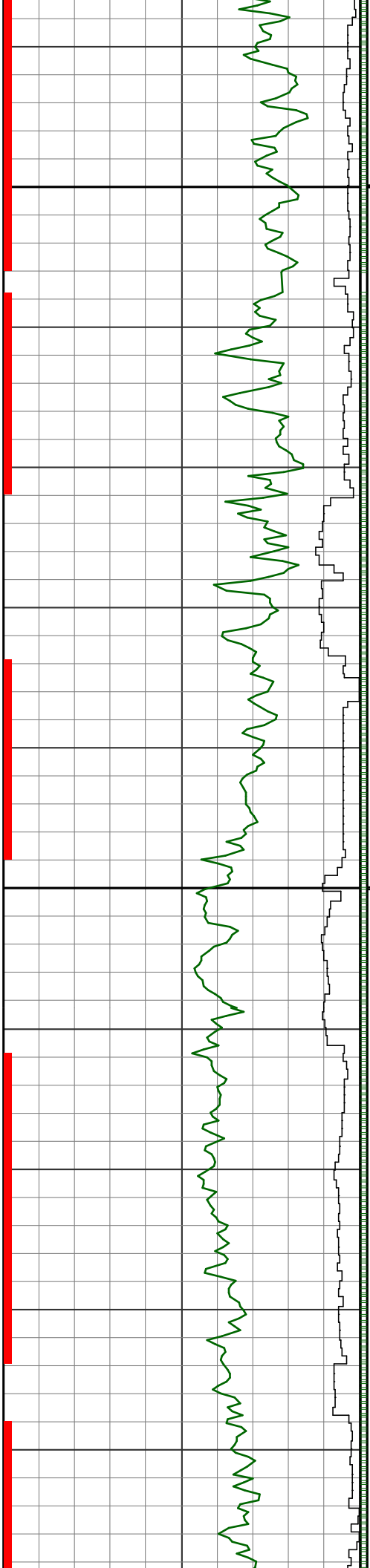
2000

5.4 118.9
1848 1972.7

6.2 126.3
1849 1985.8

7.5 126.5
1850 1998.9

9.6 128.2
1851 2012.0



2025

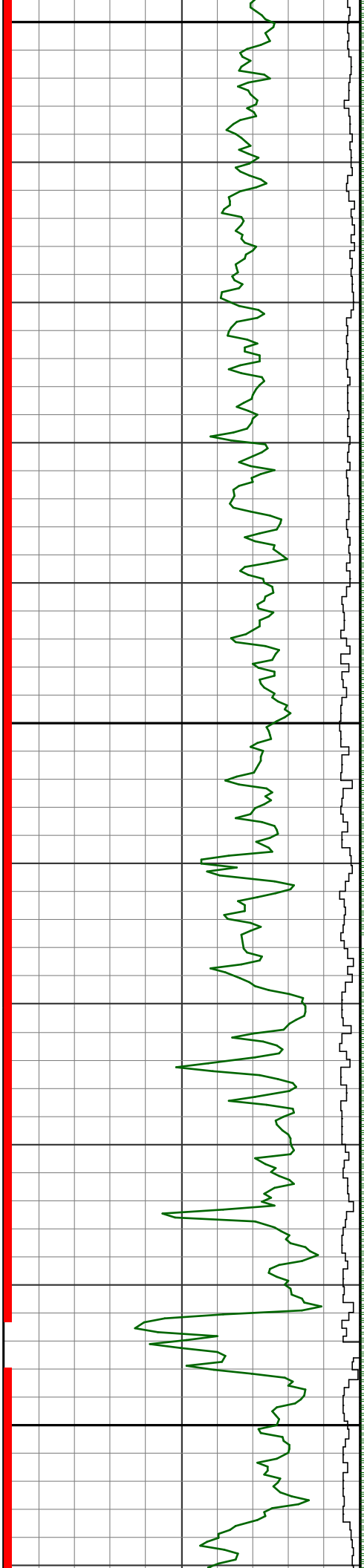
11.7 130.6
1852 2024.9

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

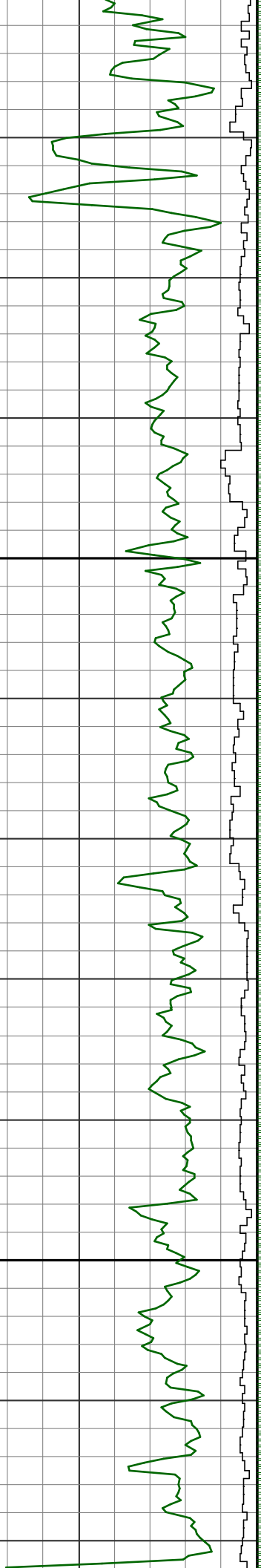
17.5 132.3
1857 2089.0

2100

19.8 130.0
1858 2101.6

21.6 130.8
1859 2113.9

2125



2150

2175

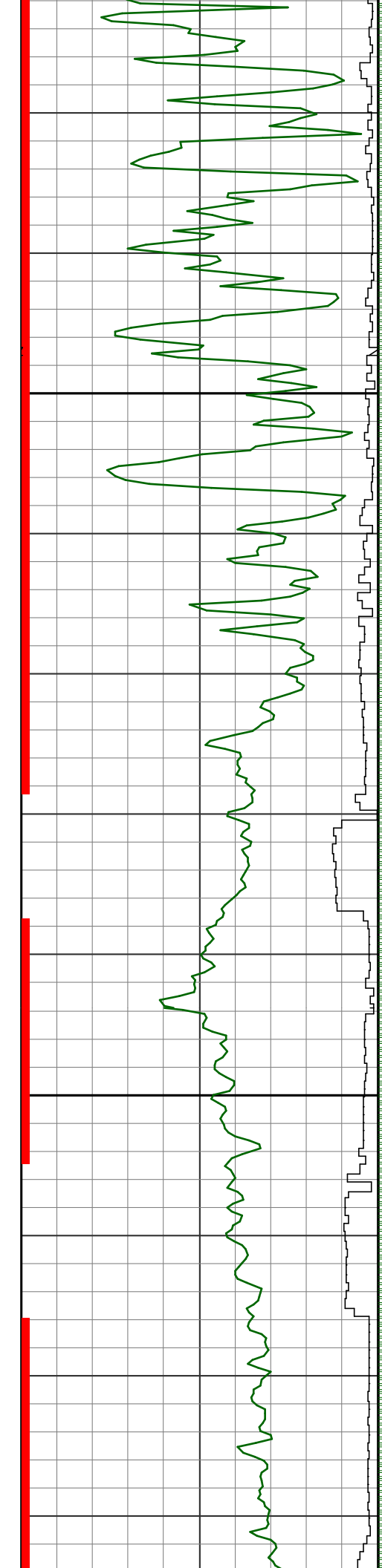
23.6 131.8
1860 2126.1

24.9 132.8
1861 2138.1

25.9 134.3
1862 2150.0

26.8 135.6
1863 2162.0

28.5 135.3
1864 2173.7



2200

31.5 134.3
1865 2185.1

34.5 133.9
1866 2196.2

2225

34.9 133.4
1867 2207.0

35.3 134.5
1868 2217.8



2250

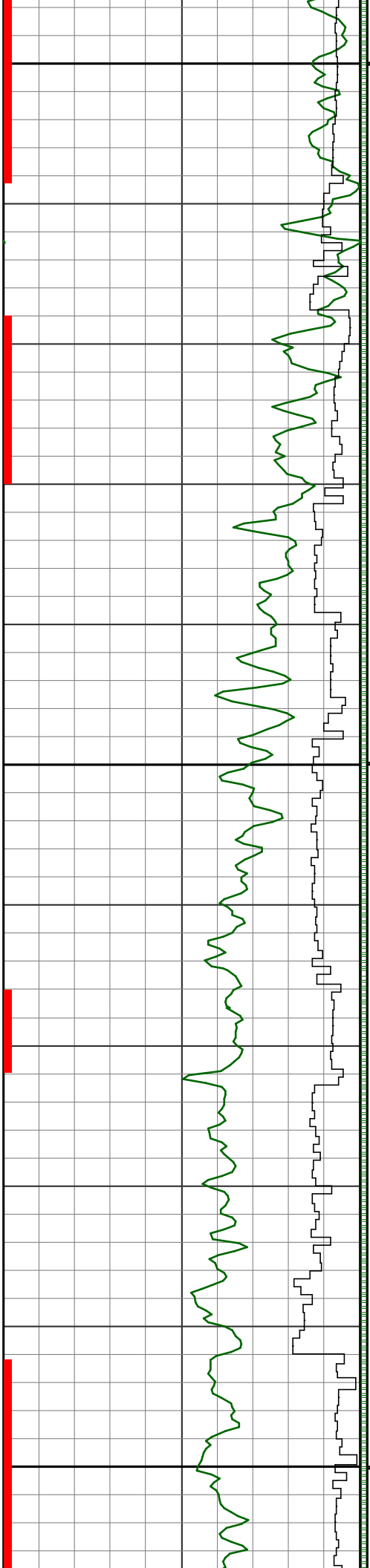
38.0 136.4
1869 2228.4

40.6 136.7
1870 2238.6

2275

42.9 135.8
1871 2248.5

45.9 135.0
1872 2257.9



2300

48.0 135.0
1873 2266.9

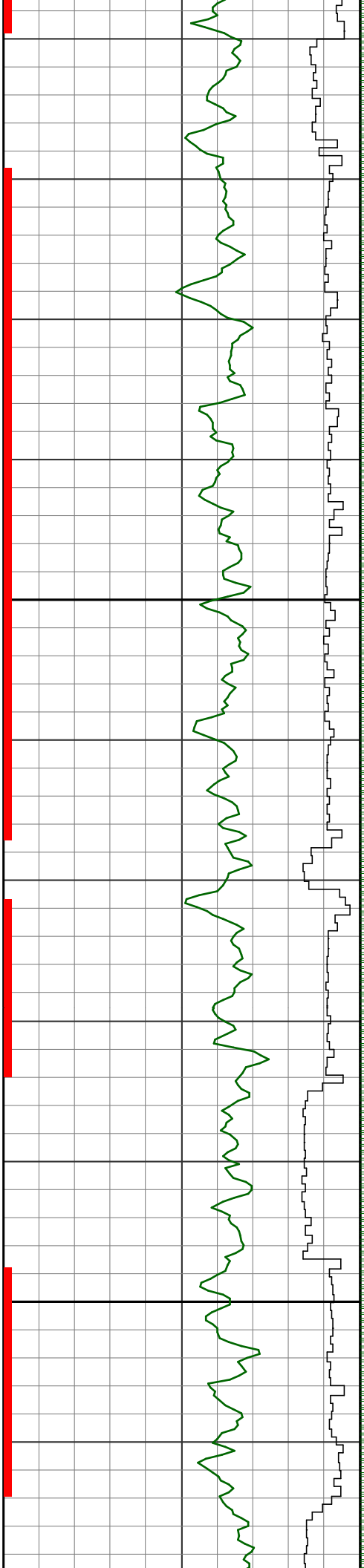
49.1 134.7
1874 2275.6

2325

48.5 135.1
1875 2284.3

47.4 135.5
1876 2293.2

2350



2375

2400

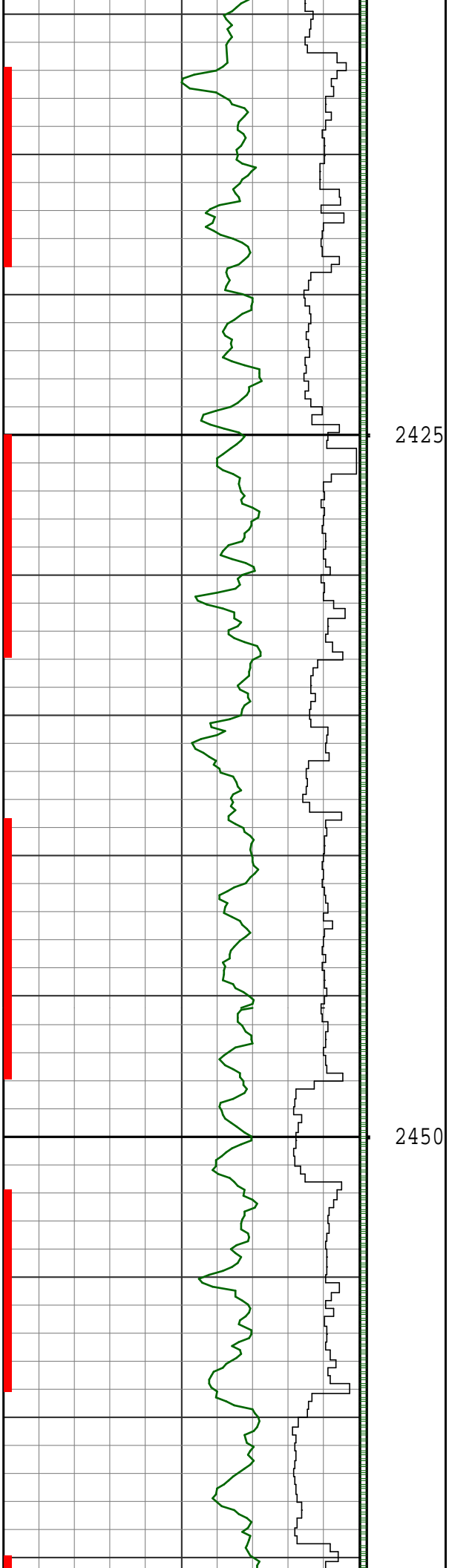
s 48.1 135.6
1877 2302.0

s 50.6 135.7
1878 2310.6

s 53.5 135.2
1879 2318.8

s 54.3 134.6
1880 2326.5

s 55.3 134.2
1881 2334.1



2425

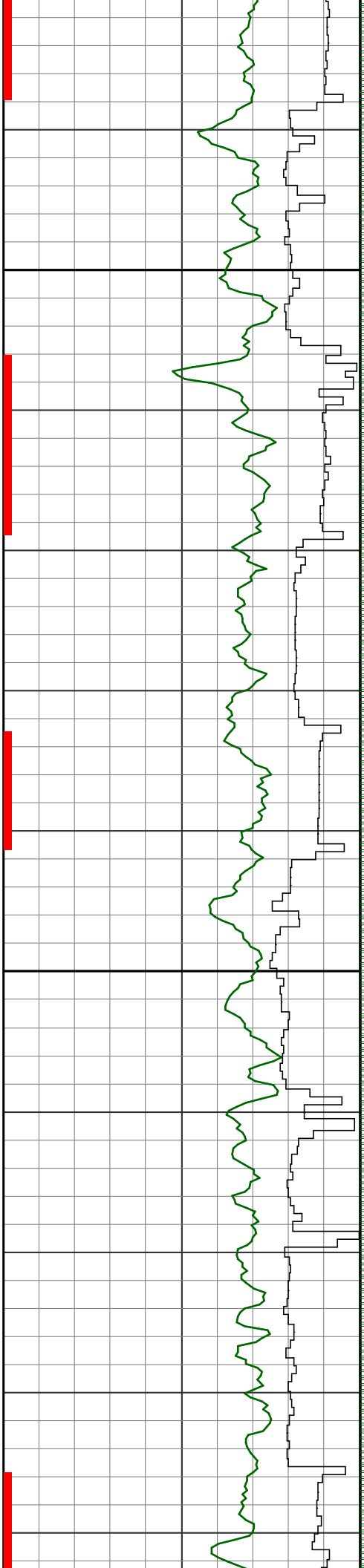
2450

55.9 133.9
1882 2341.6

57.4 134.0
1883 2348.8

59.9 135.1
1884 2355.7

61.7 136.0
1885 2362.1



2475

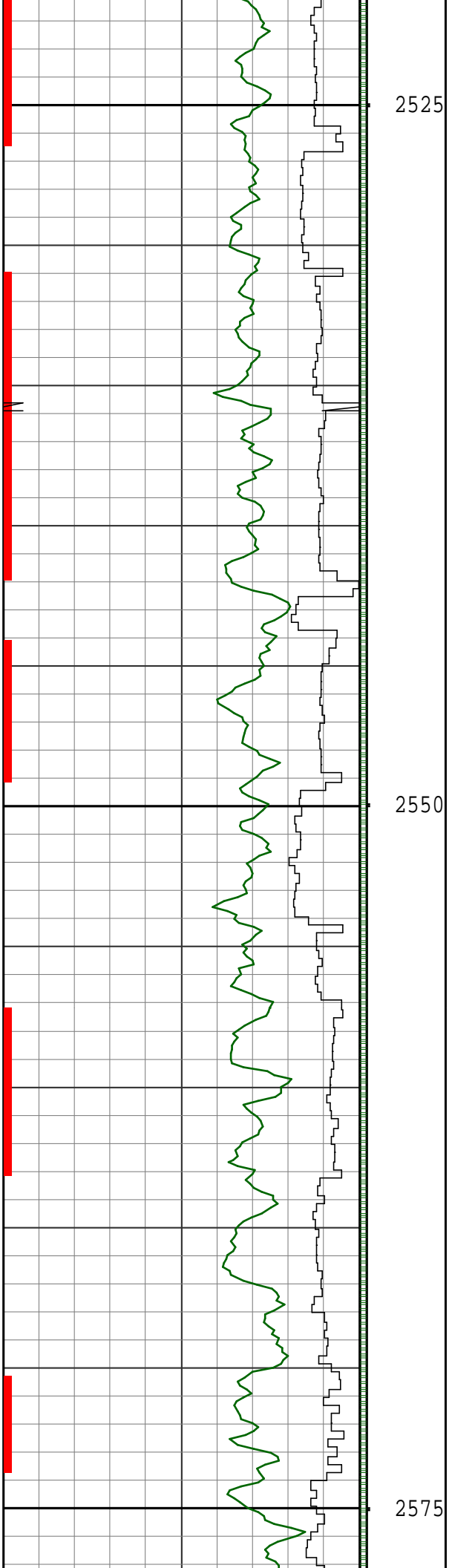
s 61.8 136.1
1886 2368.4

s 63.2 137.2
1887 2374.5

2500

s 63.8 137.0
1888 2380.4

s 62.9 137.0
1889 2386.3



2525

64.5 136.3
1890 2392.2

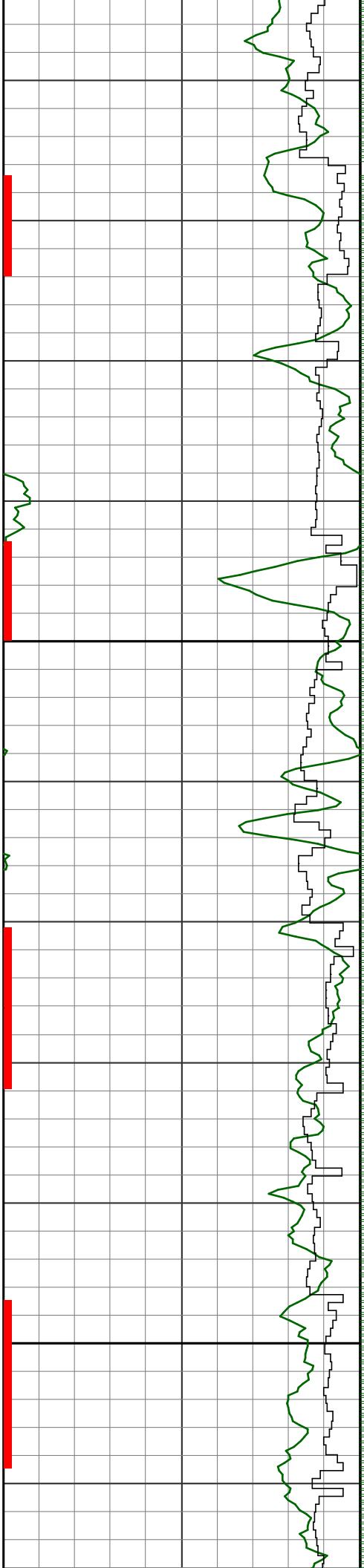
67.2 136.2
1891 2397.6

2550

69.1 136.2
1892 2402.5

70.8 136.5
1893 2407.0

2575



2600

2625

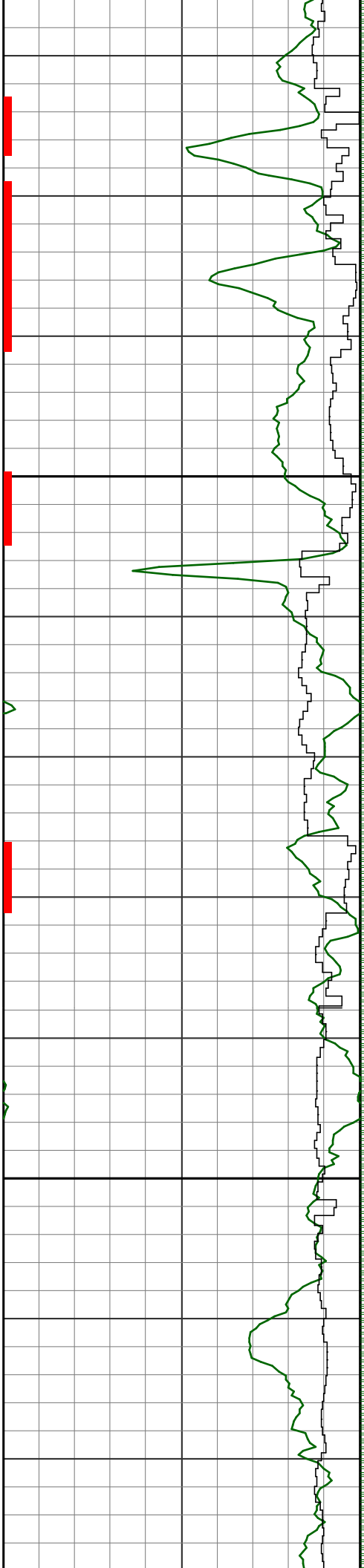
71.3 136.6
1894 2411.3

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



2650

2675

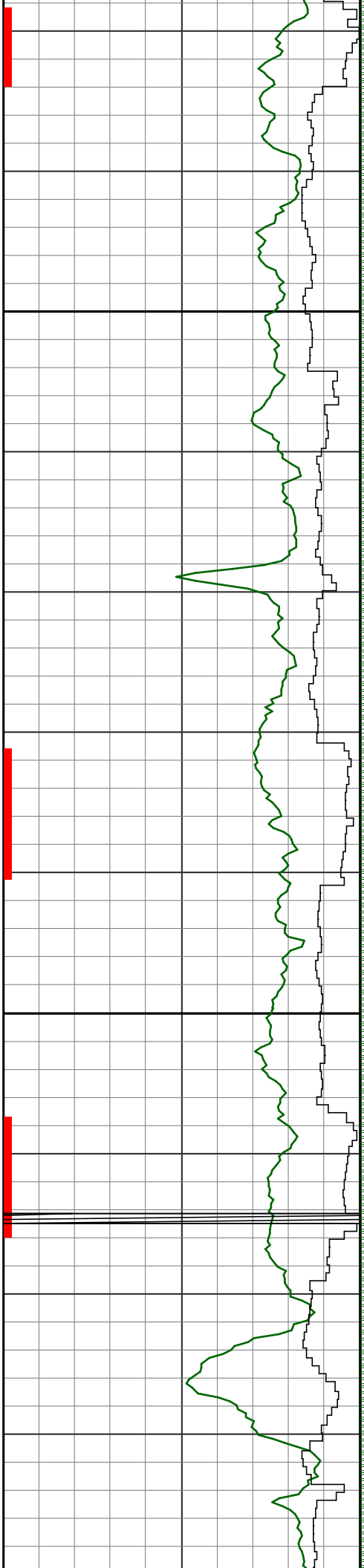
1898 2426.4

78.8 136.6
1899 2429.2

79.8 136.9
1900 2431.6

80.2 136.7
1901 2433.9

80.6 137.0
1902 2436.1



2700

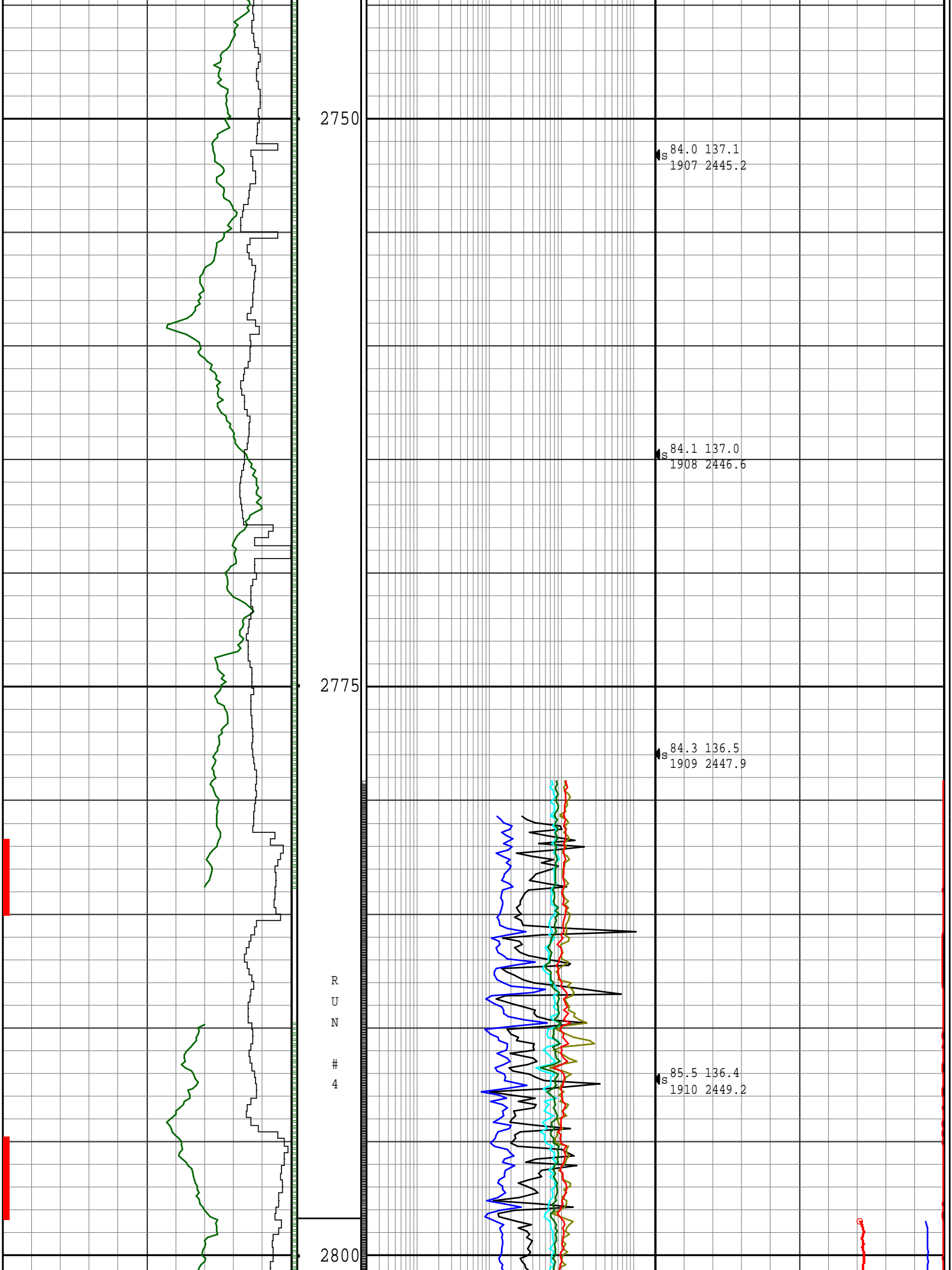
81.0 137.2
1903 2438.2

81.1 137.3
1904 2440.3

2725

82.3 137.1
1905 2442.2

83.6 136.9
1906 2443.8



REMARK #3

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5

S 88.3 136.3
1911 2449.9

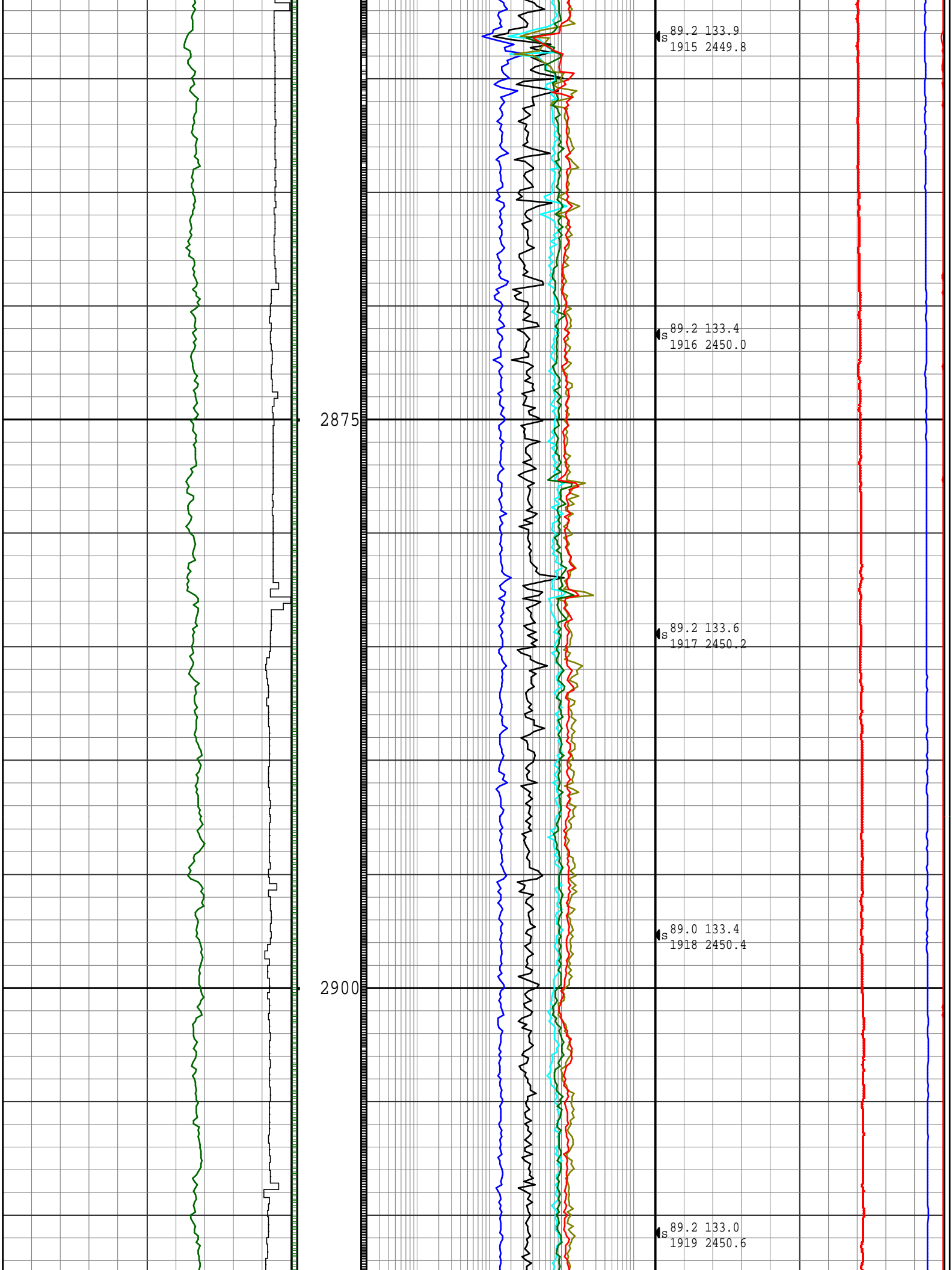
S 91.6 136.2
1912 2449.9

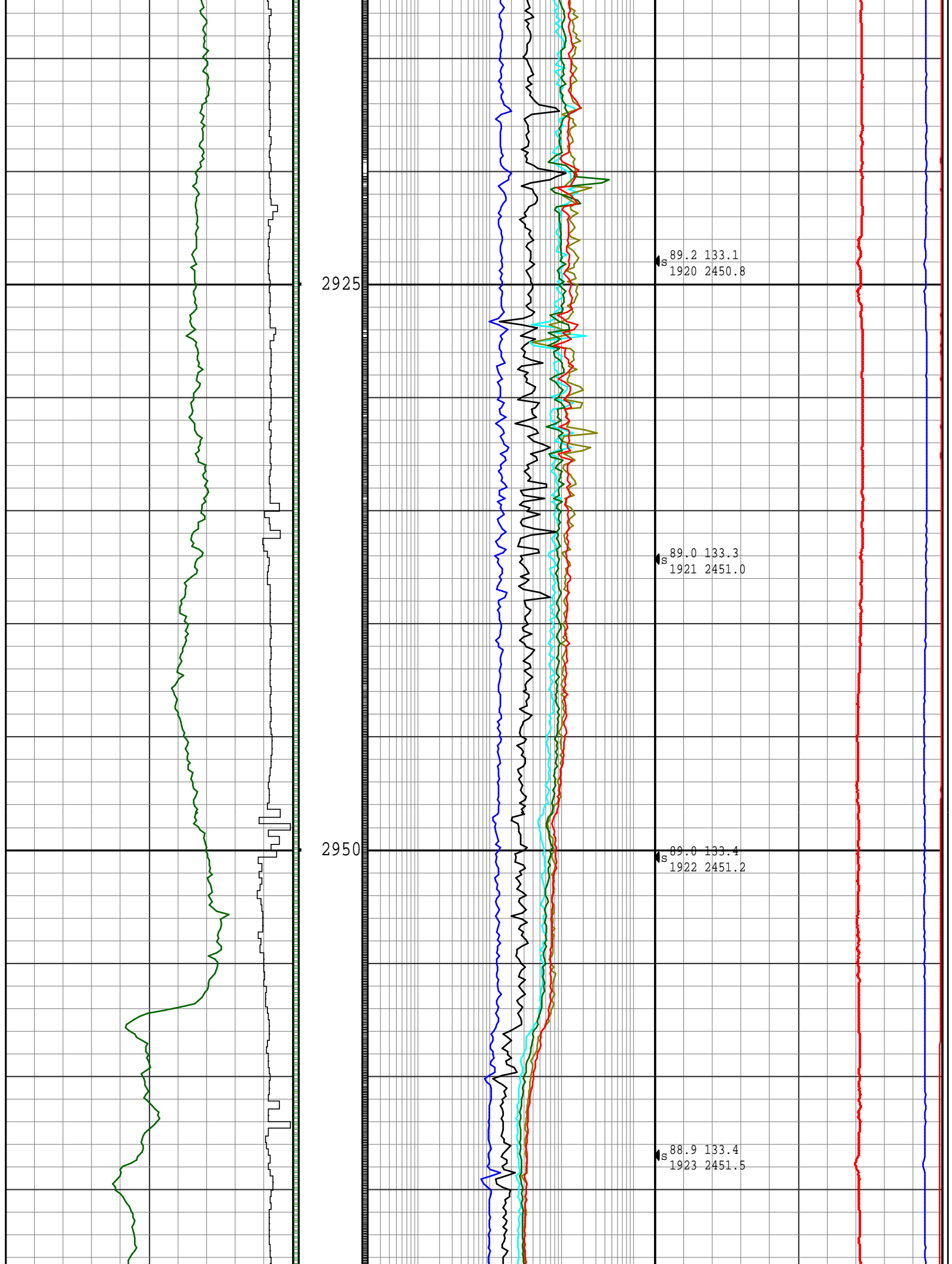
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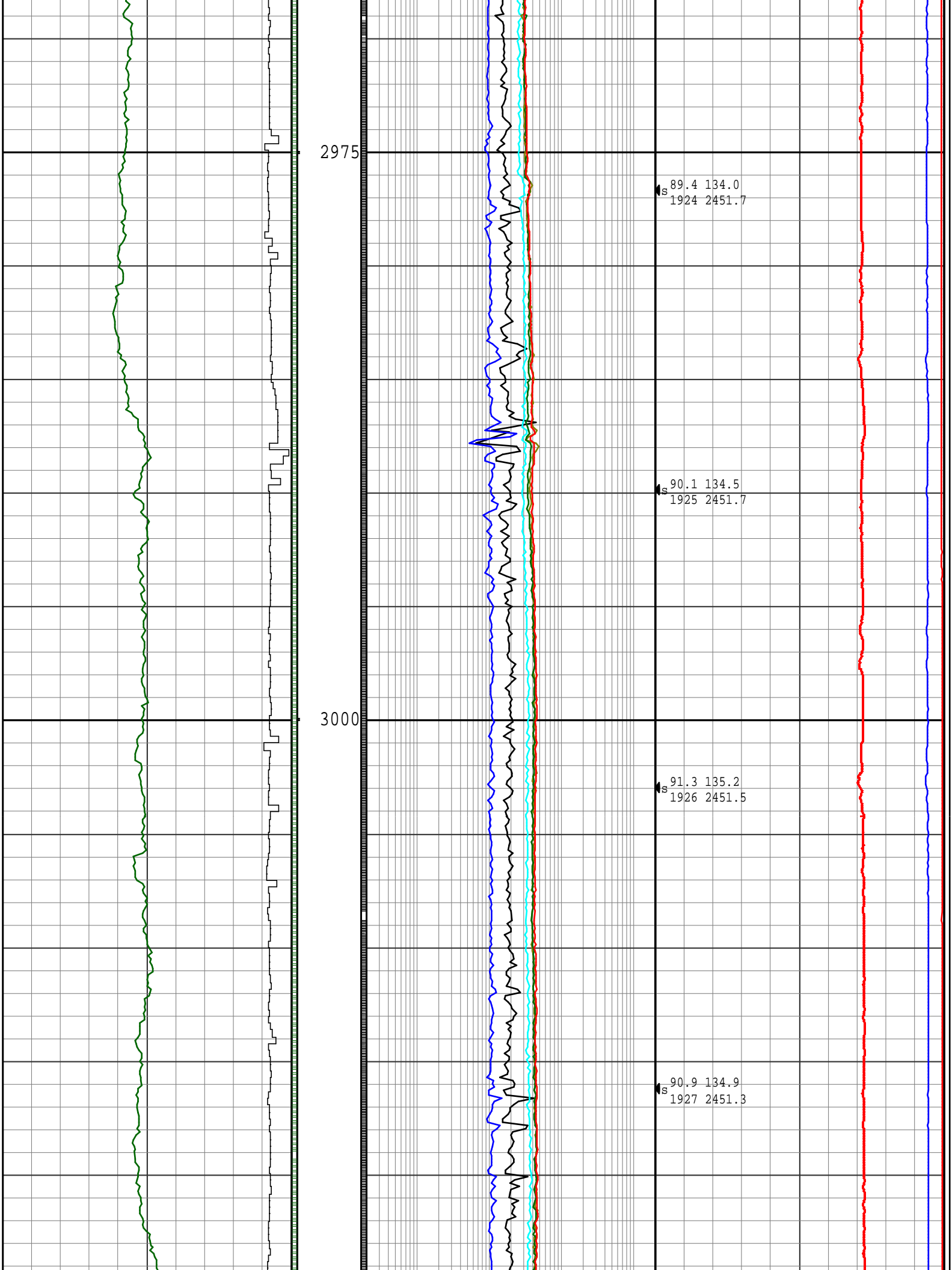
S 90.7 135.6
1913 2449.7

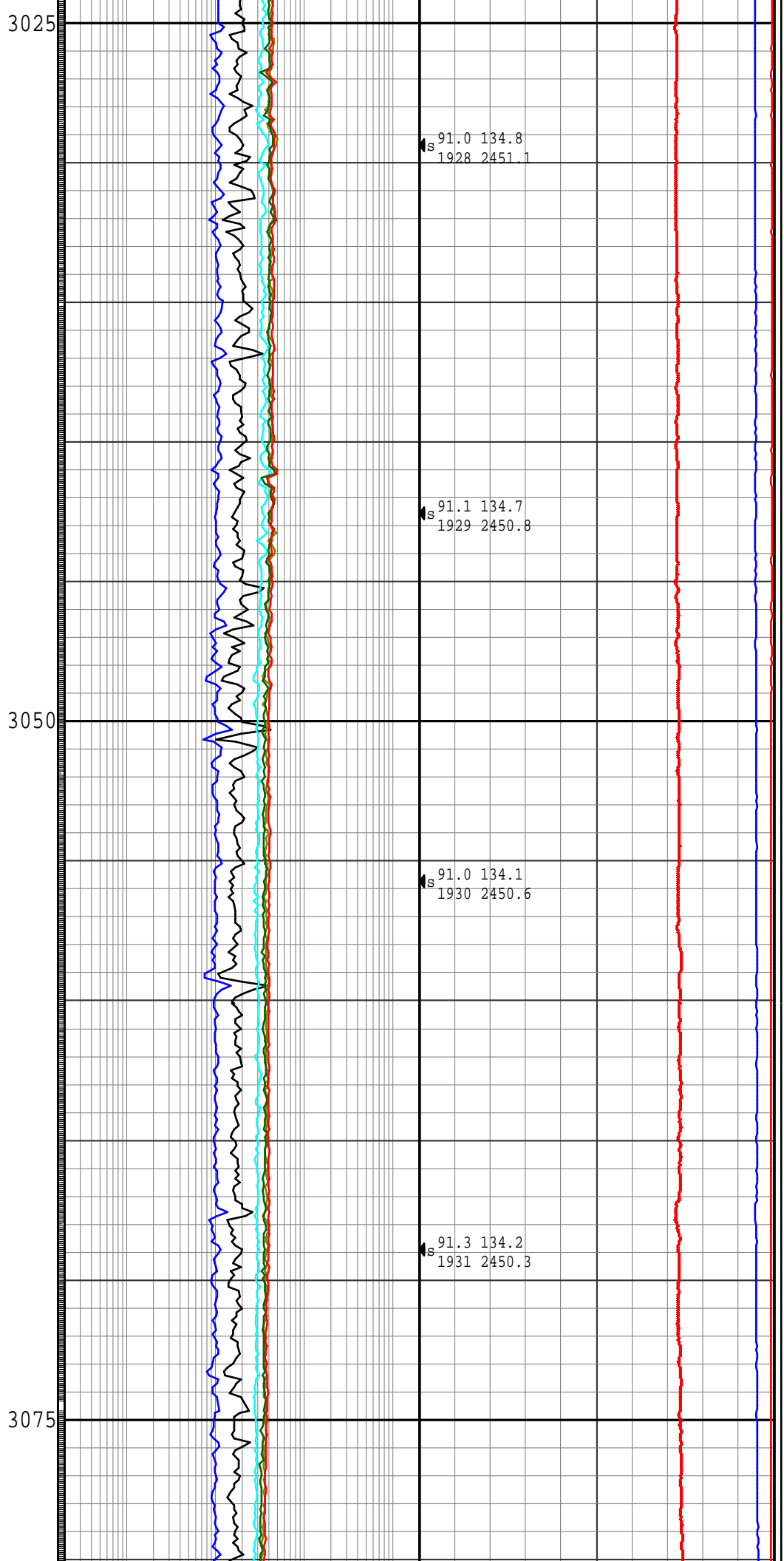
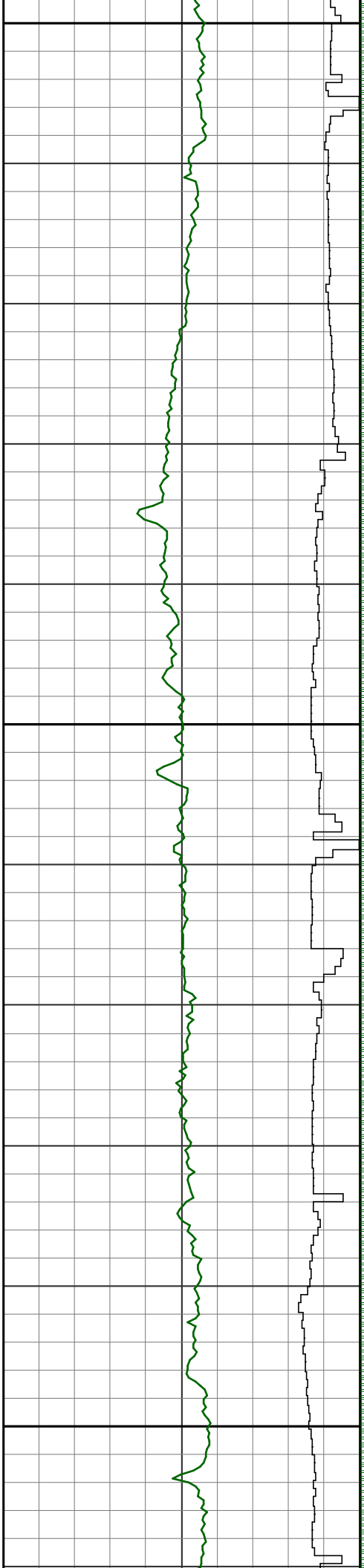
S 89.5 134.3
1914 2449.6

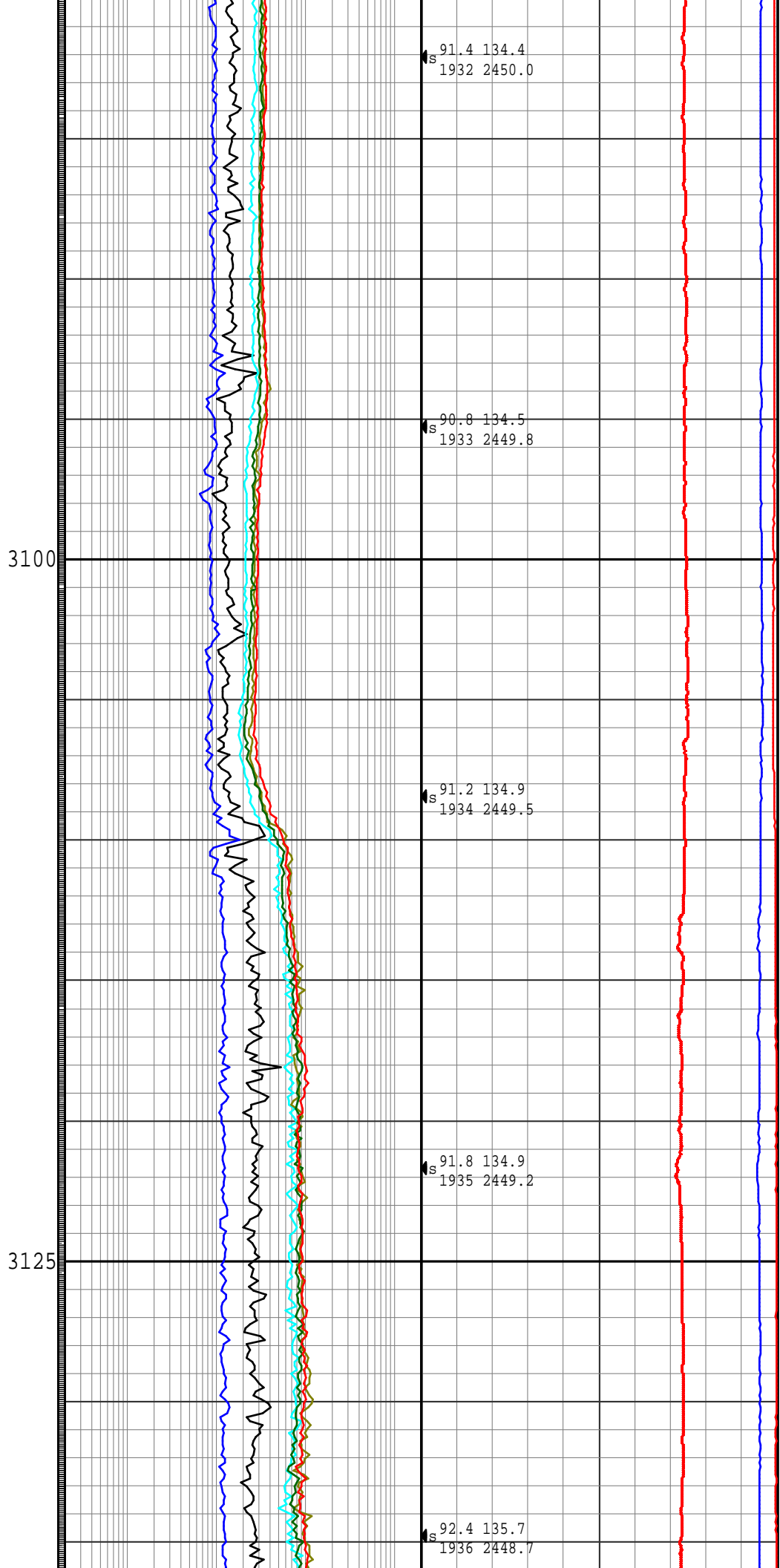
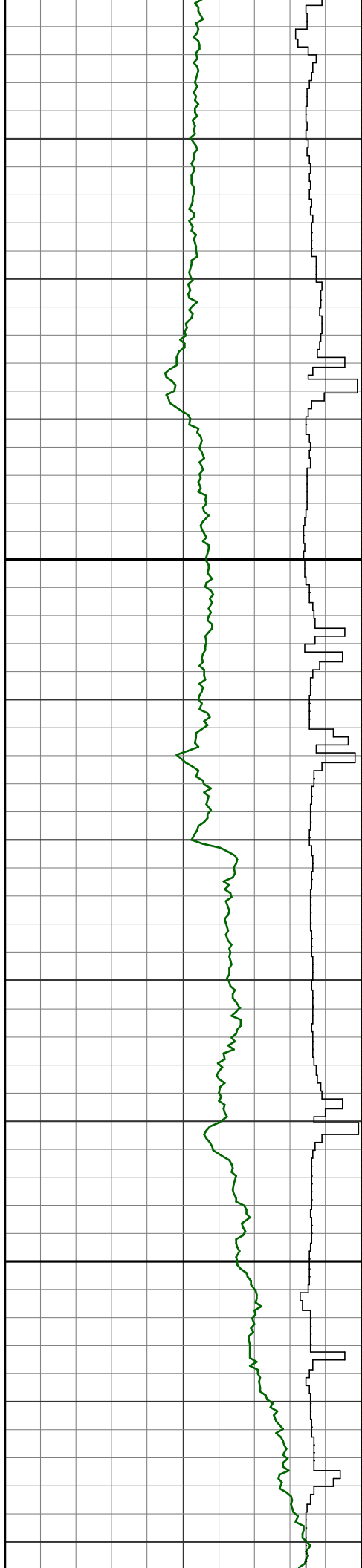
2850

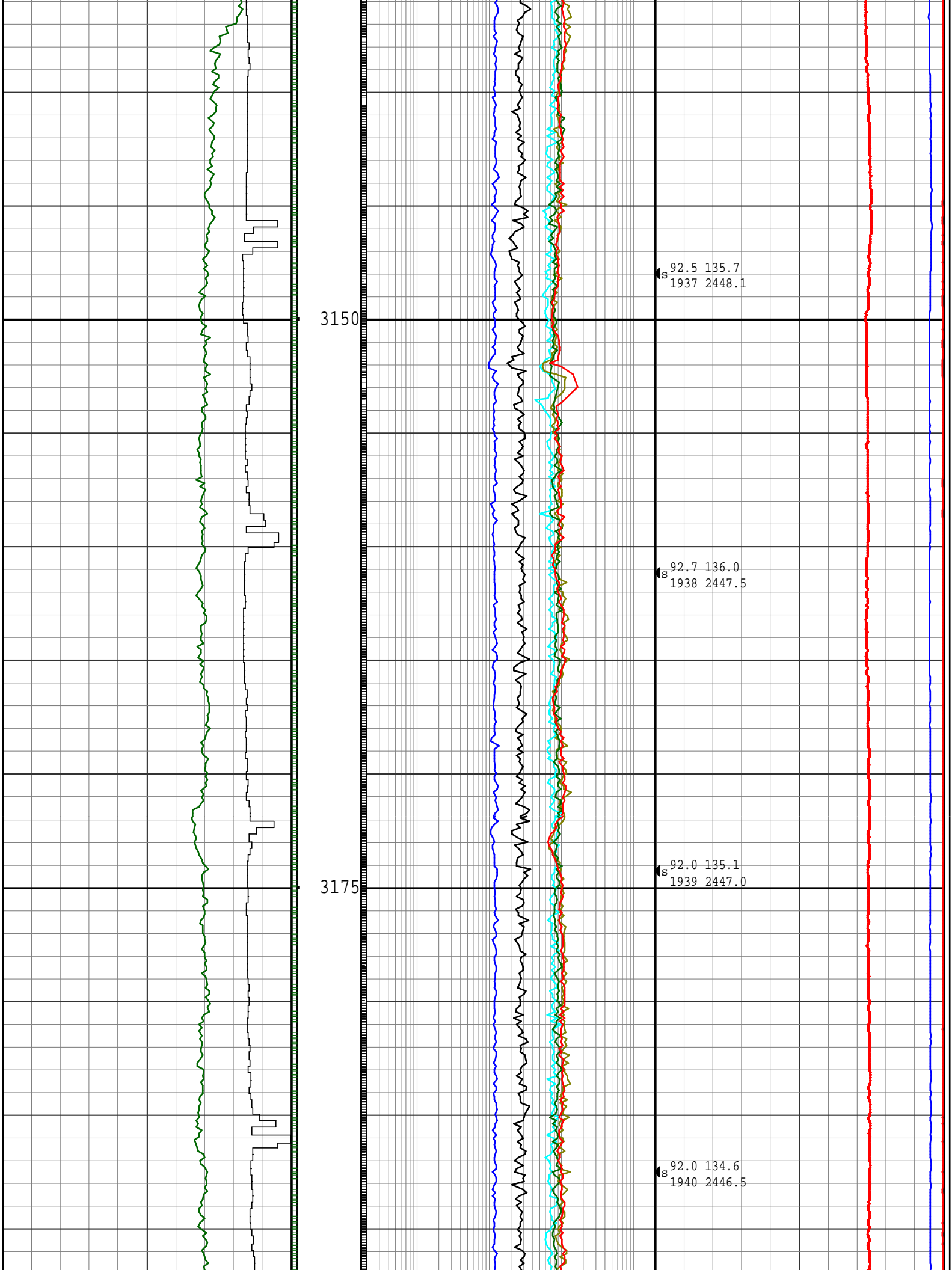


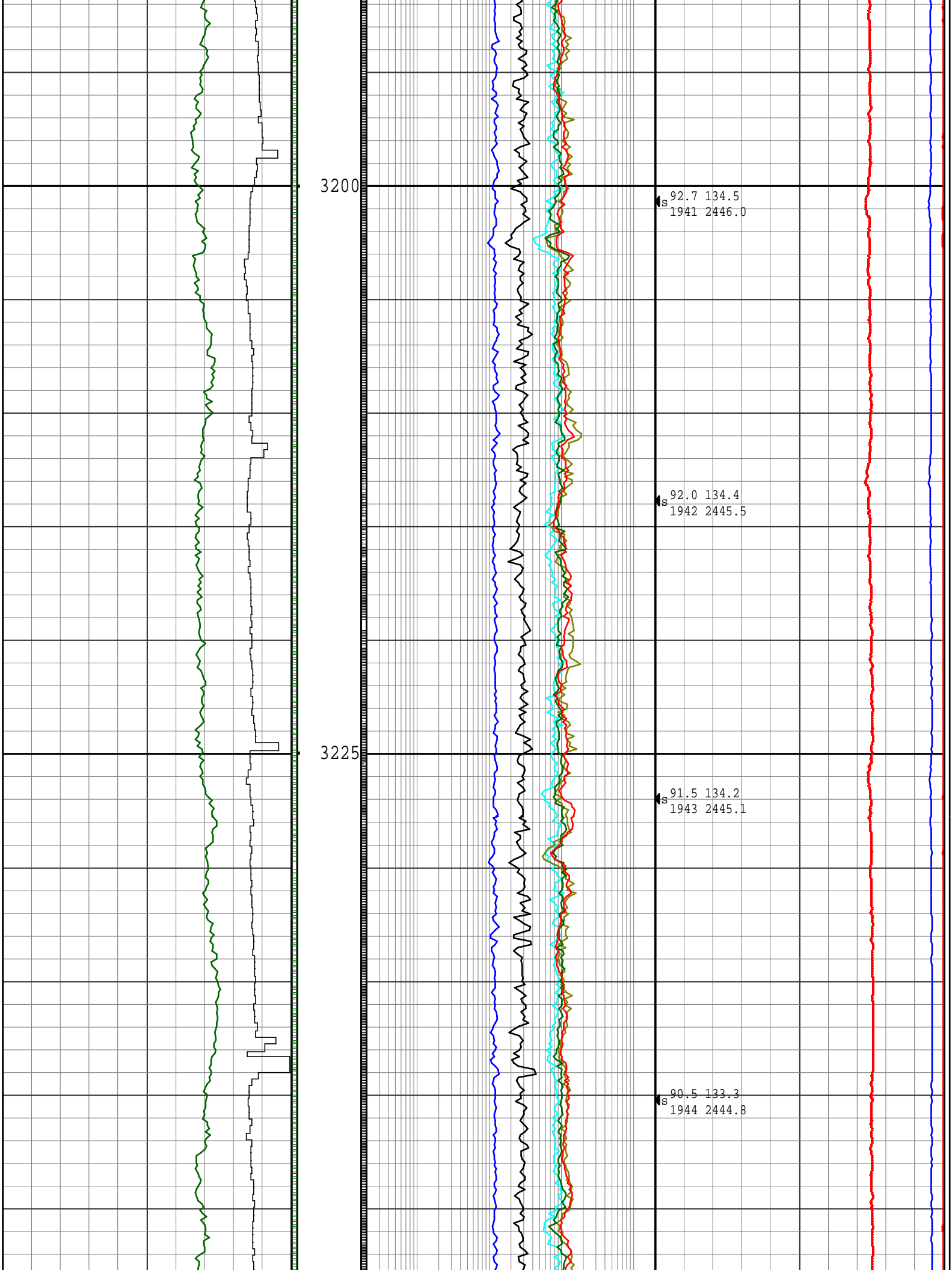


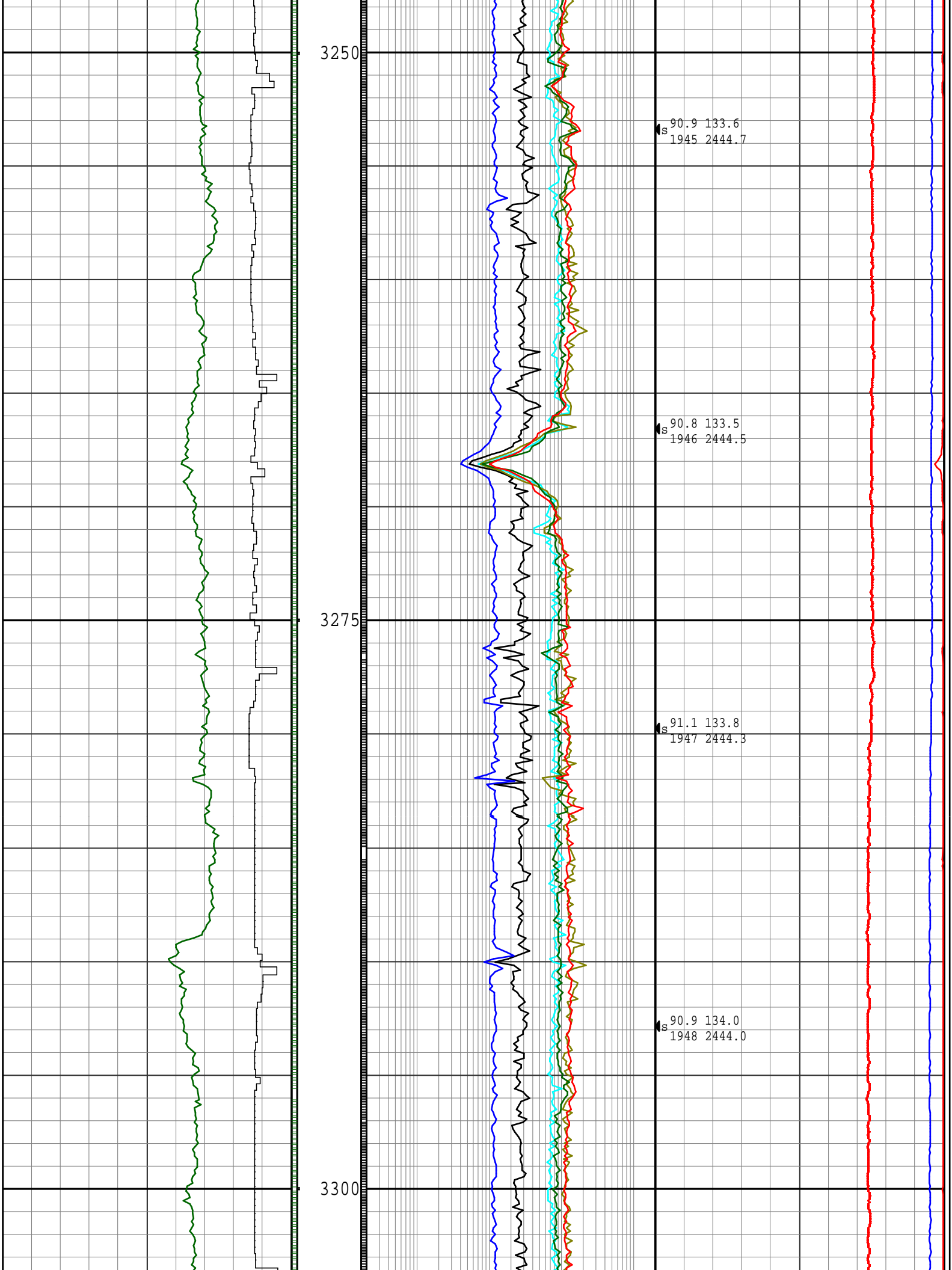


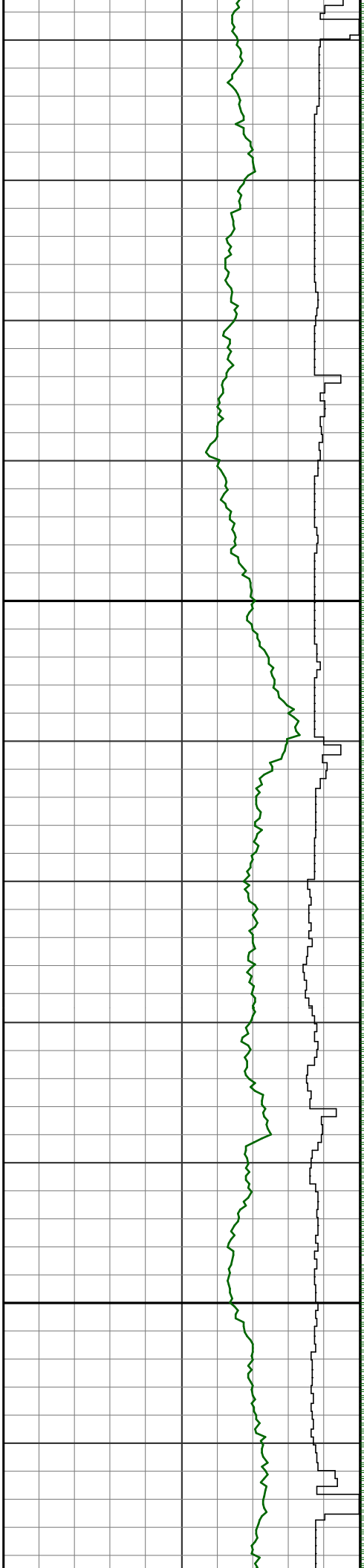






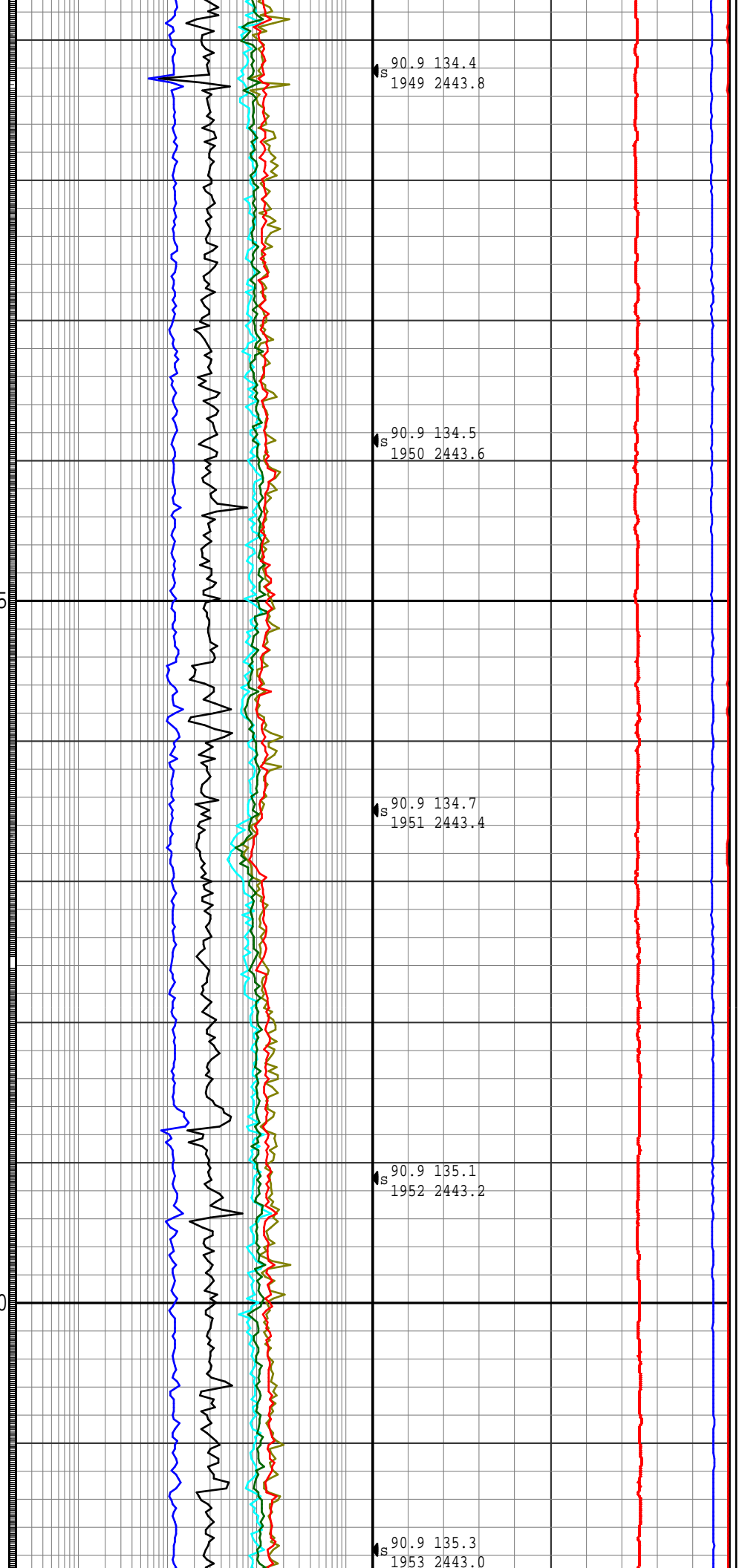


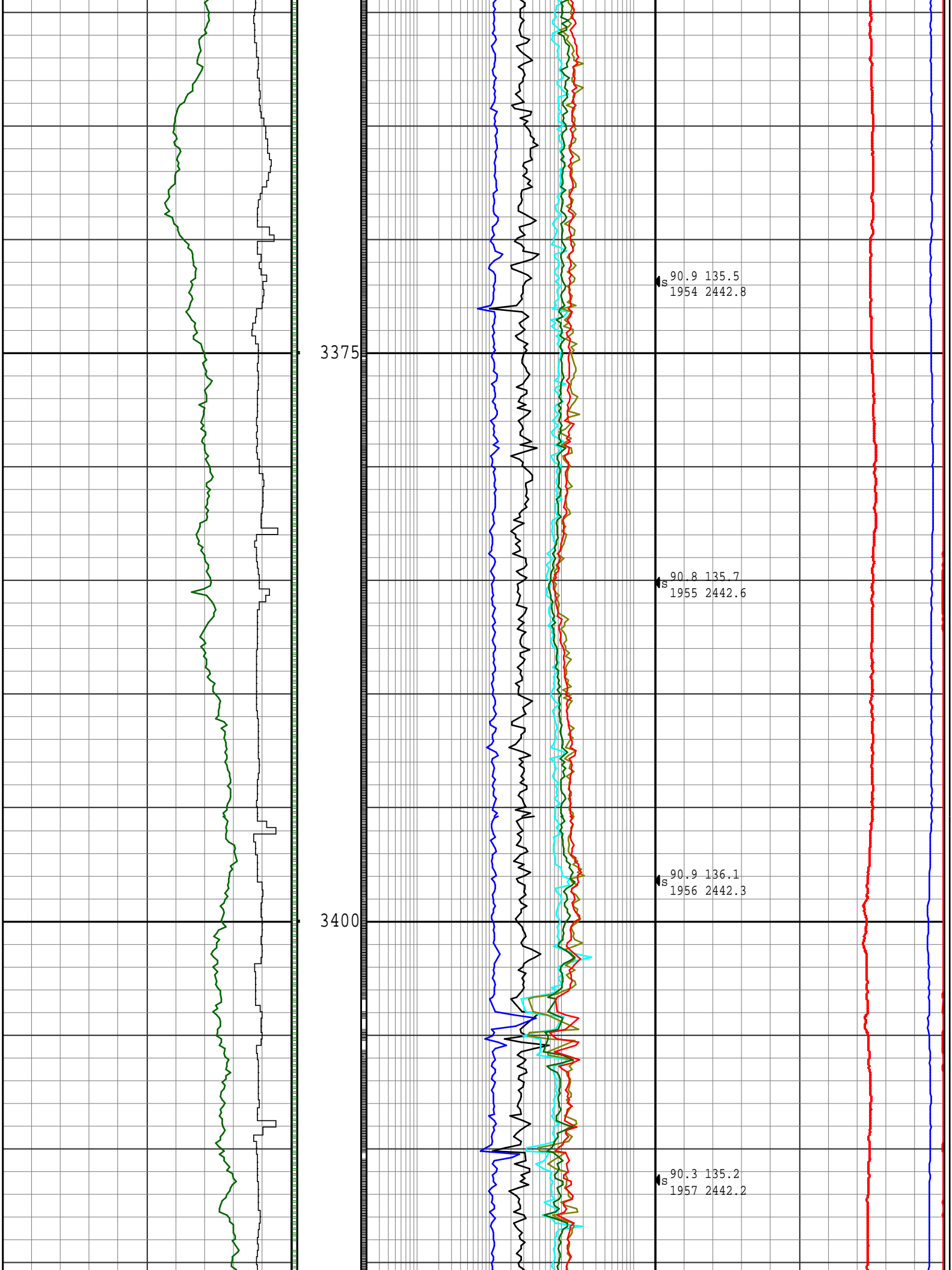


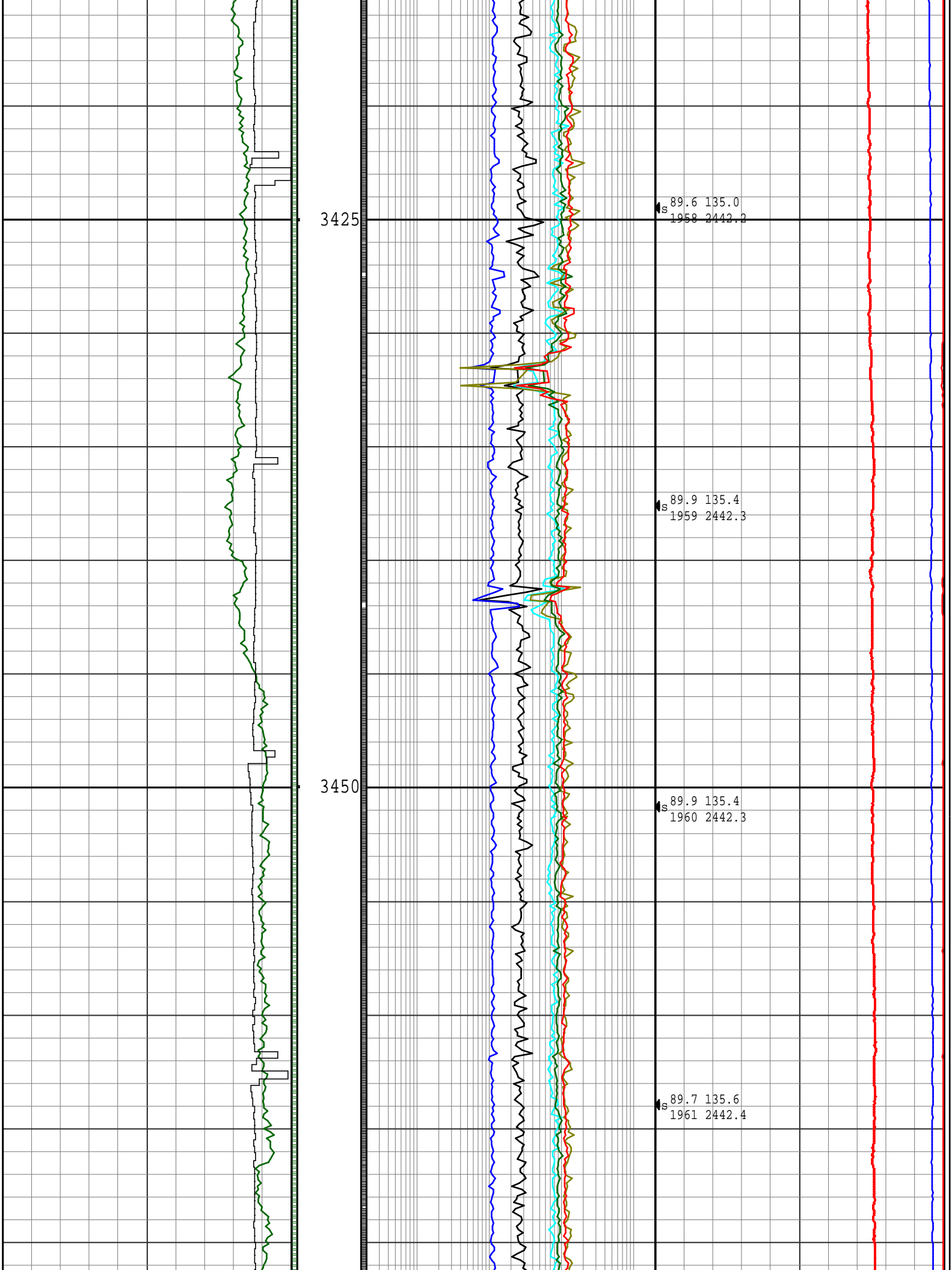


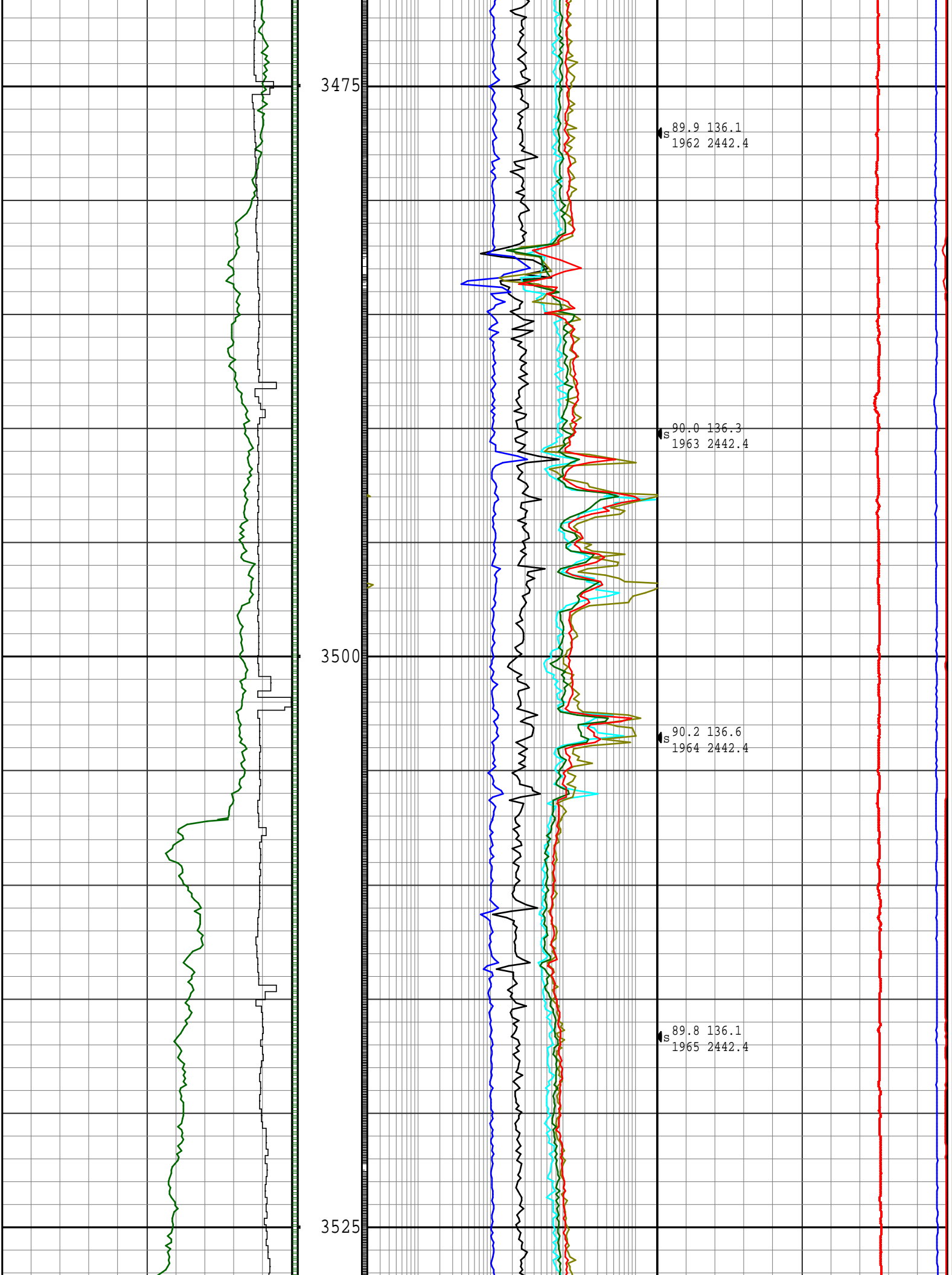
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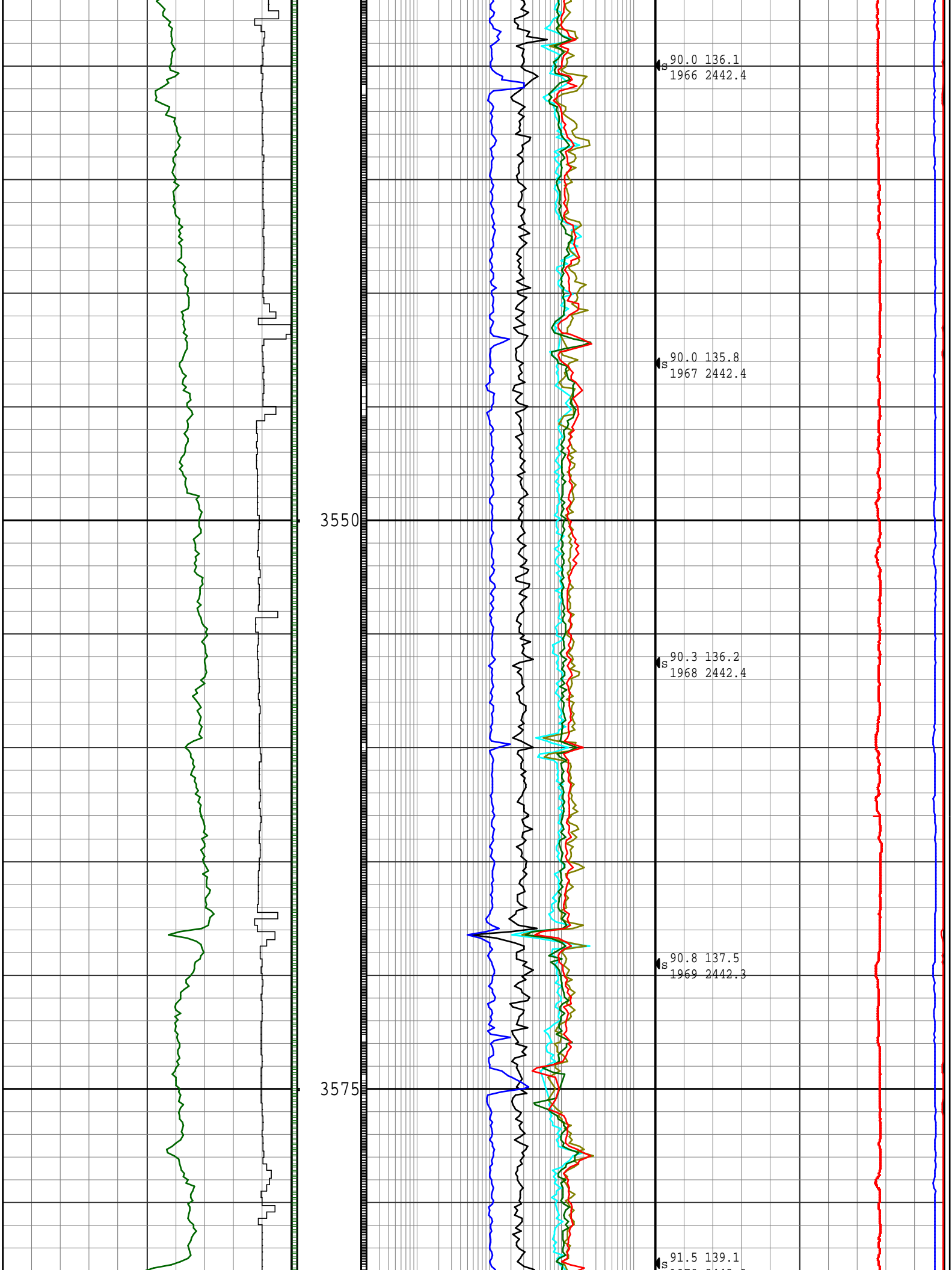
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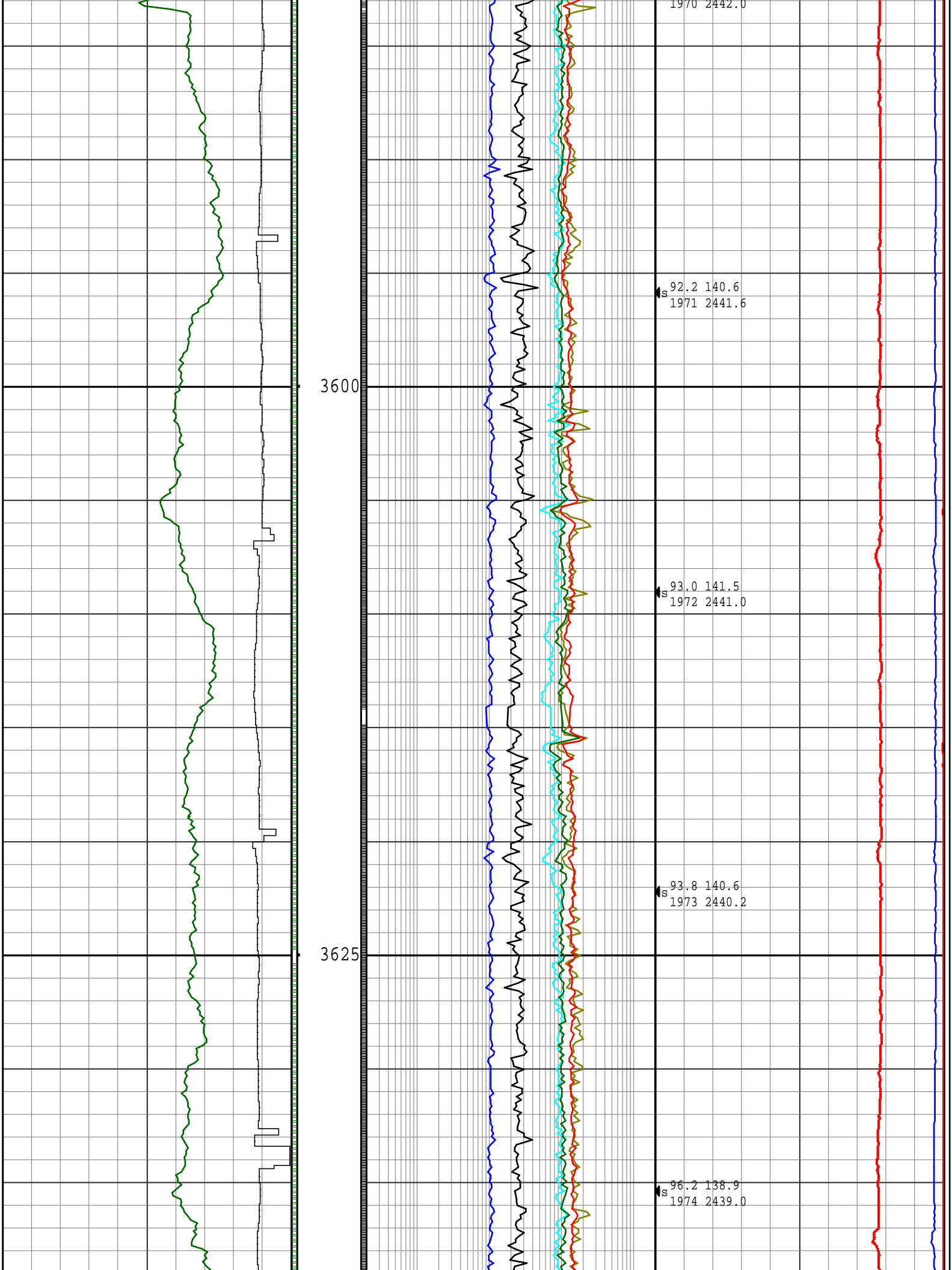


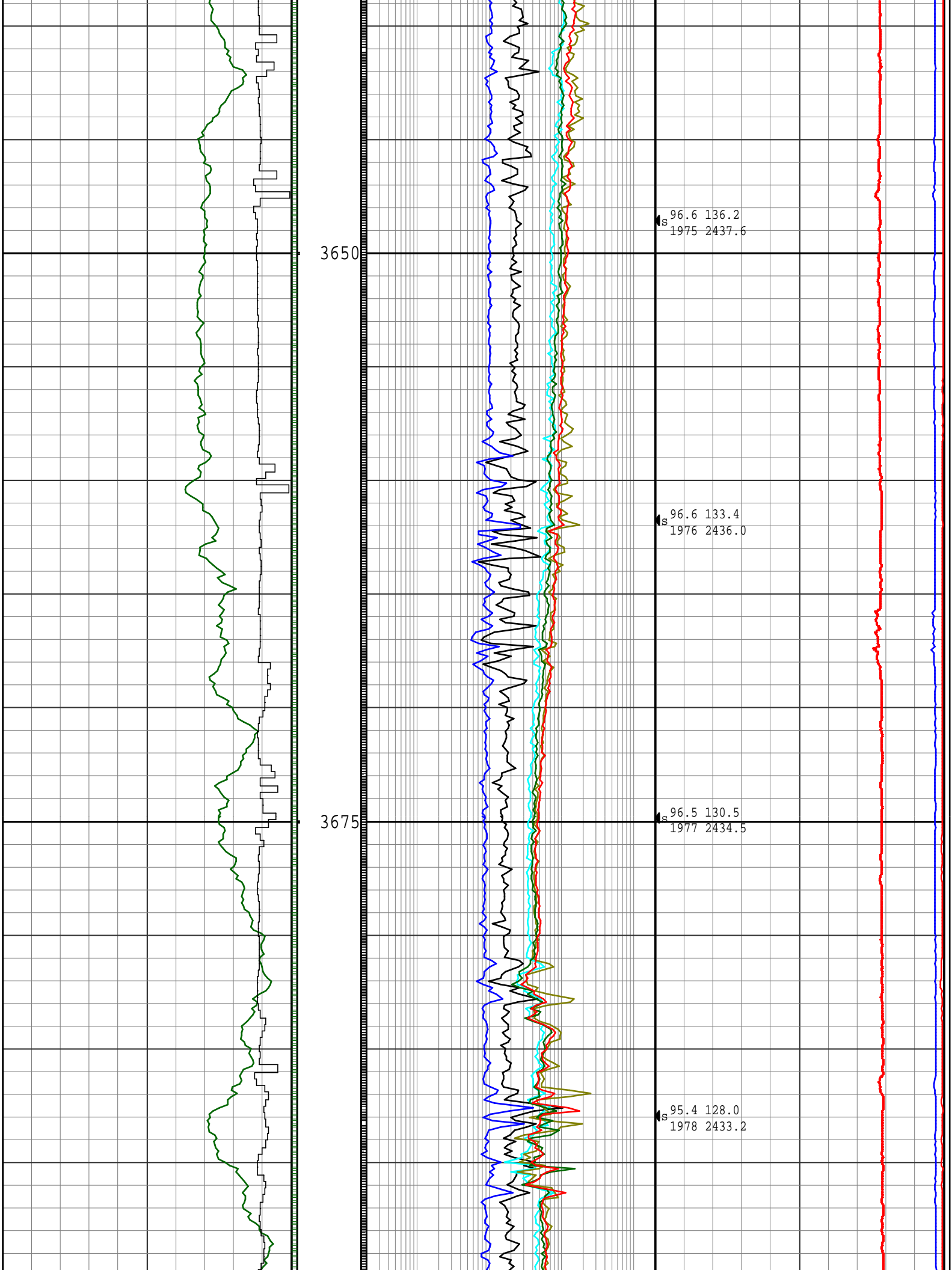


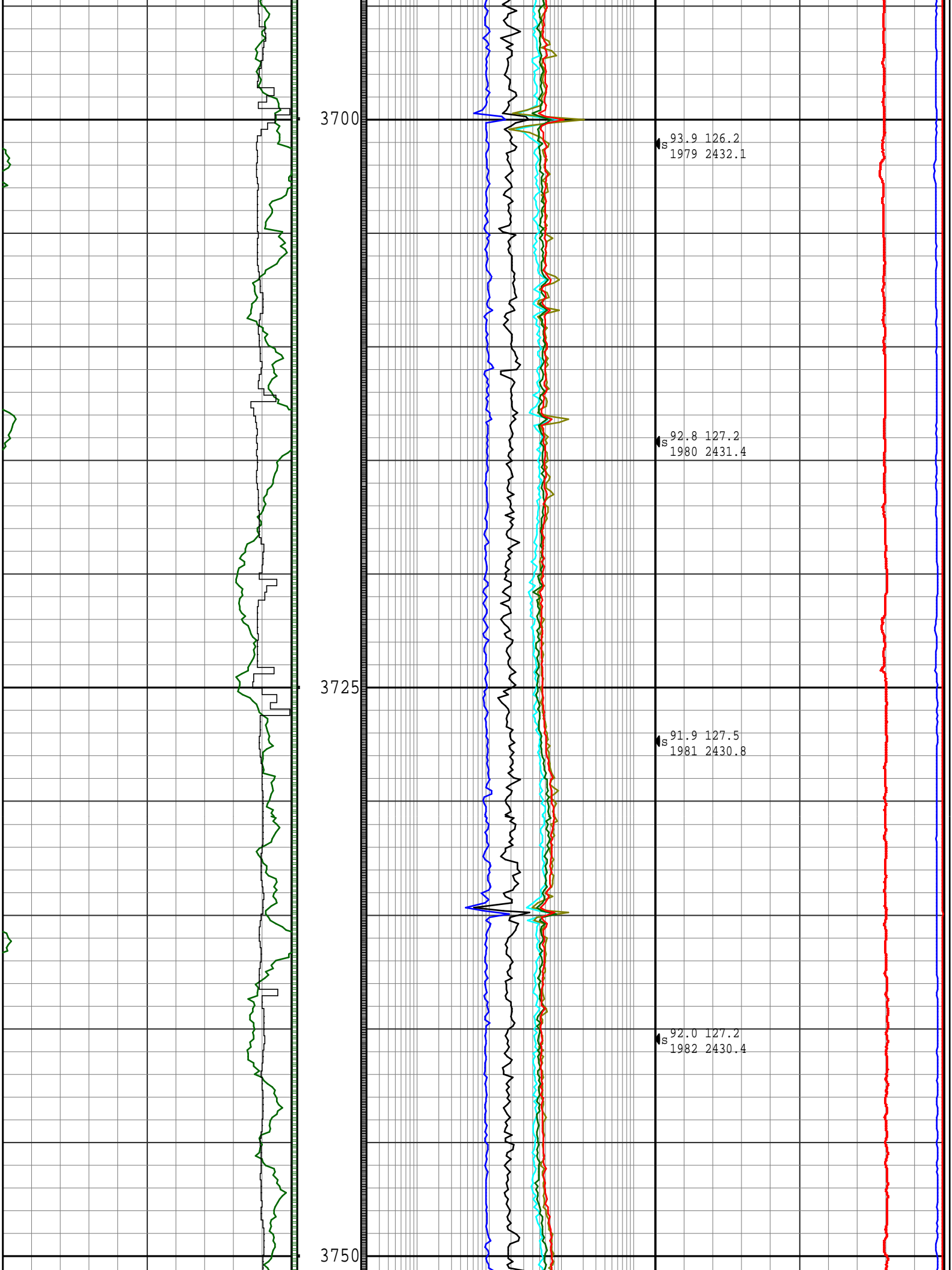


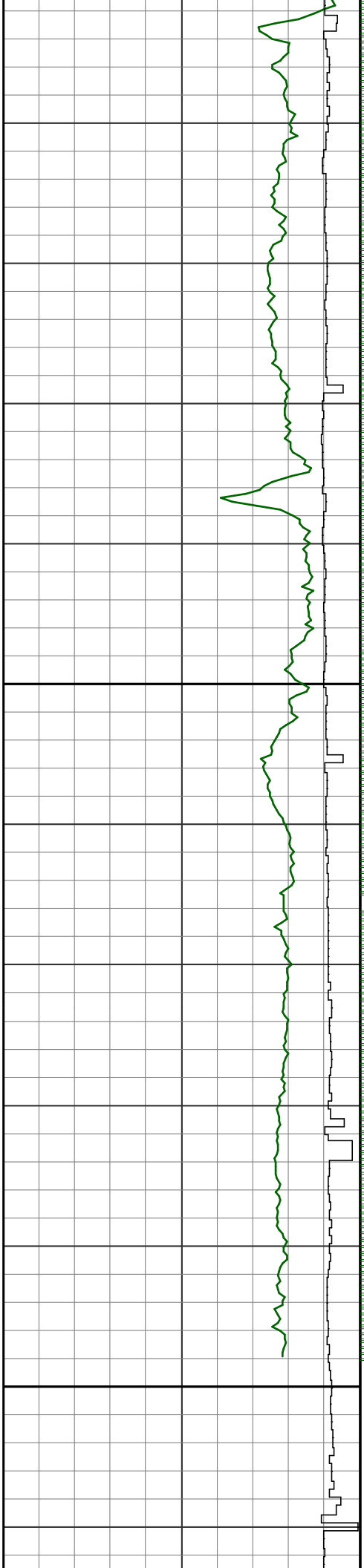










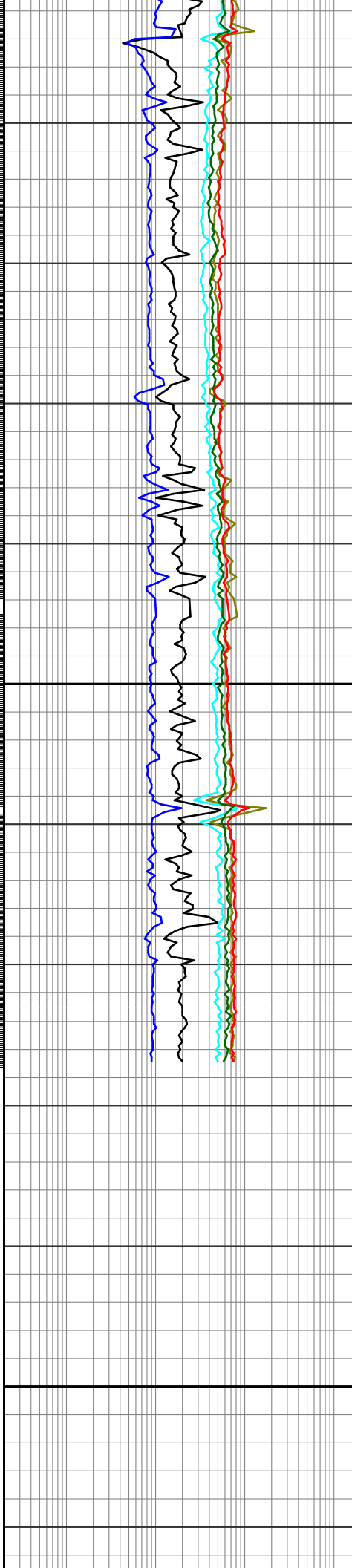


3775

3800

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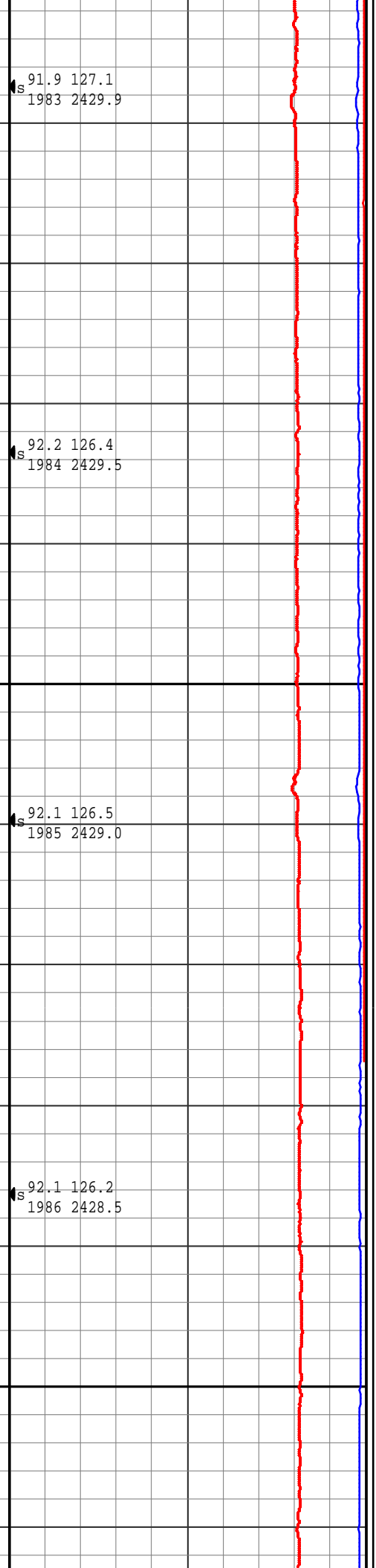


S 91.9 127.1
1983 2429.9

S 92.2 126.4
1984 2429.5

S 92.1 126.5
1985 2429.0

S 92.1 126.2
1986 2428.5



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	

122.58	0.53	0.00	122.58	1.01	-0.37	0.53 N	0.89
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
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	
233.13	0.85	0.00	233.11	1.01	-1.43	2.02 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	

287.99	1.29	0.00	287.99	1.02	-2.09	2.92 N	0.59
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	0.43	0.00	398.69	1.02	-3.30	4.67 N	0.35	

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

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)
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				
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	

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 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)
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
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Calculation Method: Minimum Curvature	Survey Reference: Rotary Table
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North Aligned to: Grid North	Well: AMUNGEE NW-1H
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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	
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 (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)
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
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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	0.20	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

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	
840.69	0.33	0.00	840.65	1.02	-4.63	6.54 N	0.88	
841.71	0.31	0.00	841.67	1.02	-4.63	6.55 N	0.59	
842.72	0.28	0.00	842.68	1.01	-4.63	6.55 N	0.89	
843.74	0.24	0.00	843.70	1.02	-4.64	6.56 N	1.18	
844.75	0.25	0.00	844.71	1.01	-4.64	6.56 N	0.30	
845.77	0.24	0.00	845.73	1.02	-4.64	6.57 N	0.29	
846.79	0.22	0.00	846.75	1.02	-4.65	6.57 N	0.59	
847.80	0.22	0.00	847.76	1.01	-4.65	6.57 N	0.00	
848.82	0.23	0.00	848.78	1.02	-4.65	6.58 N	0.29	
849.83	0.24	0.00	849.79	1.01	-4.65	6.58 N	0.30	
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	0.59	
852.88	0.29	0.00	852.84	1.01	-4.66	6.60 N	1.48	
853.90	0.31	0.00	853.86	1.02	-4.67	6.60 N	0.59	
854.91	0.32	0.00	854.87	1.01	-4.67	6.61 N	0.30	
855.93	0.30	0.00	855.89	1.02	-4.68	6.61 N	0.59	
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	0.59	
859.99	0.27	0.00	859.95	1.01	-4.69	6.63 N	1.49	
861.01	0.28	0.00	860.97	1.02	-4.69	6.64 N	0.30	
862.03	0.26	0.00	861.99	1.02	-4.70	6.64 N	0.59	
863.04	0.23	0.00	863.00	1.01	-4.70	6.65 N	0.89	
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	0.30	
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	0.59	
868.12	0.33	0.00	868.08	1.01	-4.72	6.67 N	1.19	
869.14	0.35	0.00	869.10	1.02	-4.72	6.68 N	0.59	
870.15	0.36	0.00	870.11	1.01	-4.73	6.68 N	0.30	
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	0.00	
877.27	0.34	0.00	877.23	1.02	-4.76	6.73 N	0.59	
878.28	0.35	0.00	878.24	1.01	-4.76	6.74 N	0.30	
879.30	0.37	0.00	879.26	1.02	-4.77	6.74 N	0.59	
880.31	0.36	0.00	880.27	1.01	-4.77	6.75 N	0.30	
881.33	0.36	0.00	881.29	1.02	-4.78	6.75 N	0.00	
882.35	0.35	0.00	882.31	1.02	-4.78	6.76 N	0.29	
883.36	0.35	0.00	883.32	1.01	-4.78	6.77 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)
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	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)
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	0.43	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	1.03	-5.65	7.99 N	0.30	

1100.79	0.33	0.00	1100.79	1.02	-5.85	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
1116.03	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	1266.32	1.01	-6.96	9.84 N	0.30	

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
1281.63	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
	1446.23	0.38	246.33	1446.17	1.02	-7.43	10.47 N	0.68
	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	

1596.59	0.51	55.58	1596.59	1.01	-7.28	10.60 N	0.38
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
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	

1762.20	0.70	59.77	1762.19	1.02	-7.80	11.80 N	0.81
1763.22	0.69	61.90	1763.15	1.02	-7.79	11.81 N	0.34
1764.23	0.69	62.85	1764.16	1.01	-7.79	11.81 N	0.43
1765.25	0.68	63.74	1765.18	1.02	-7.78	11.82 N	0.53
1766.27	0.69	64.99	1766.20	1.01	-7.78	11.82 N	0.16
1767.28	0.69	65.43	1767.21	1.02	-7.78	11.83 N	0.39
1768.30	0.69	66.52	1768.23	1.01	-7.77	11.83 N	0.68
1769.31	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
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	0.88	58.68	1872.87	1.02	-7.27	12.46 N	0.52	

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				
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
3529.80	89.86	136.15	2442.44	13.20	1308.65	919.22 S	0.42	100.59

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
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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						



A Schlumberger Company

GAMMA-RAY
RESISTIVITY
MEMORY LOG

1 : 200
METERS MD