



A Schlumberger Company

GAMMA-RAY  
AZIMUTHAL DENSITY  
MEMORY LOG

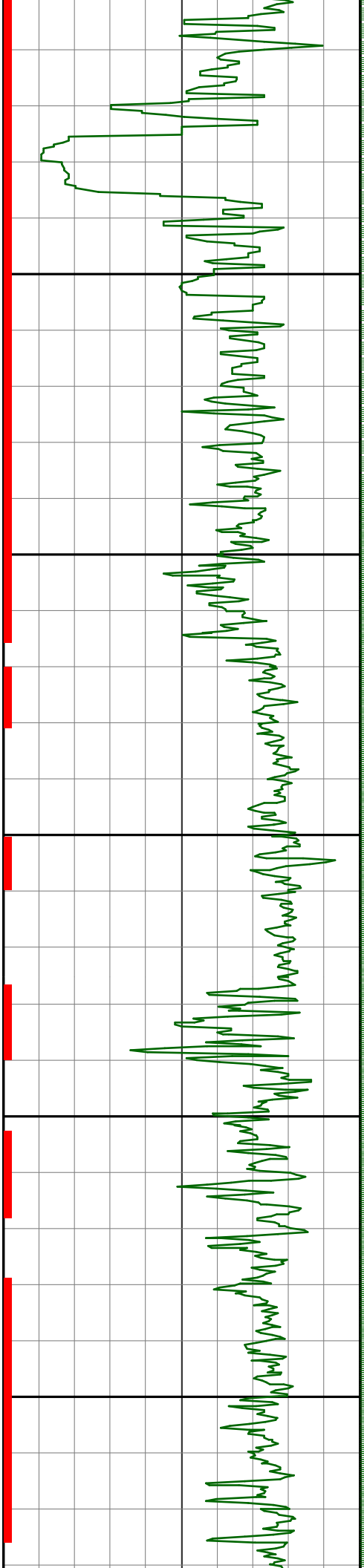
1 : 500  
METERS MD

COMPANY : ORIGIN ENERGY LTD WELL : AMUNGEE NW-1H FIELD : BEETALOO NORTH COUNTY : STATE : NT COUNTRY : AUSTRALIA API No.:				COMPANY : ORIGIN ENERGY LTD WELL : AMUNGEE NW-1H FIELD : BEETALOO NORTH COUNTY : STATE : NT COUNTRY : AUSTRALIA API WELL No.:				OTHER SERVICES DIRECTIONAL ROP TEMPERATURE PRESSURE RESISTIVITY			
DEPTH REF. : ROTARY TABLE ELEVATION : 5.35 m (ROTARY TABLE - GROUND LEVEL) ALTITUDE : 260.562 m (GROUND LEVEL - MEAN SEA LEVEL)											
BOREHOLE RECORD				DEVIATION RECORD							
HOLE SIZE in	FROM m	TO m	INCLINATION deg	FROM m	TO m						
18 1/2	18	139	0-1	0	1920						
14 3/4	139	284	1-91	1920	2832						
9 7/8	284	1436	91	2832	3595						
6 3/4	1436	3808	91-96	3595	3675						
			96-92	3675	3808						
CASING RECORD											
CASING SIZE in	FROM m	TO m									
16	0	118									
10 3/4	0	281									
7 5/8	0	1432									
				DRILLING Co.: SAXON RIG : 185 LMD UNIT No.: SYS0250 DISTRICT : ROMA SPUD DATE : 24-OCT015 LMD START DATE : 23-OCT-15 DEPTH : 1885 m LMD END DATE : 15-NOV-15 DEPTH : 3808 m TOTAL DEPTH : 3808 m							

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

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

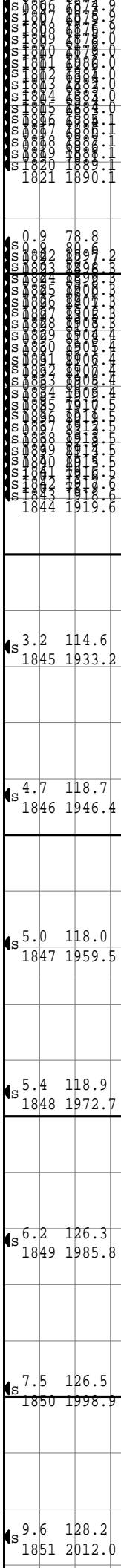
[illegible]



1900

1950

2000



REMARK #2

S 3.2 114.6  
1845 1933.2

S 4.7 118.7  
1846 1946.4

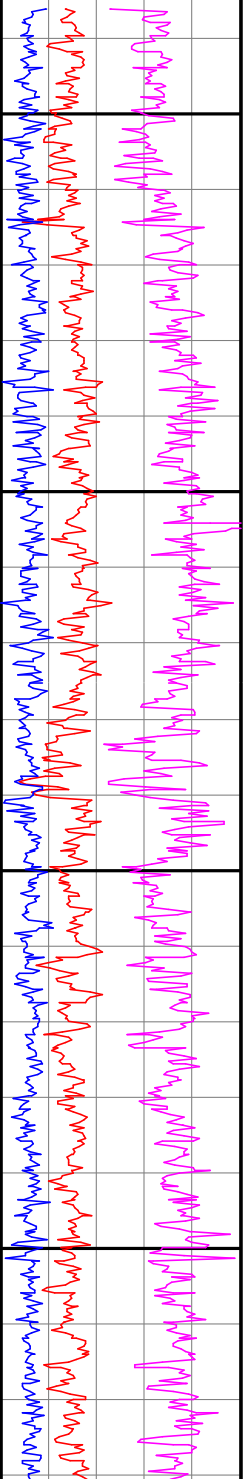
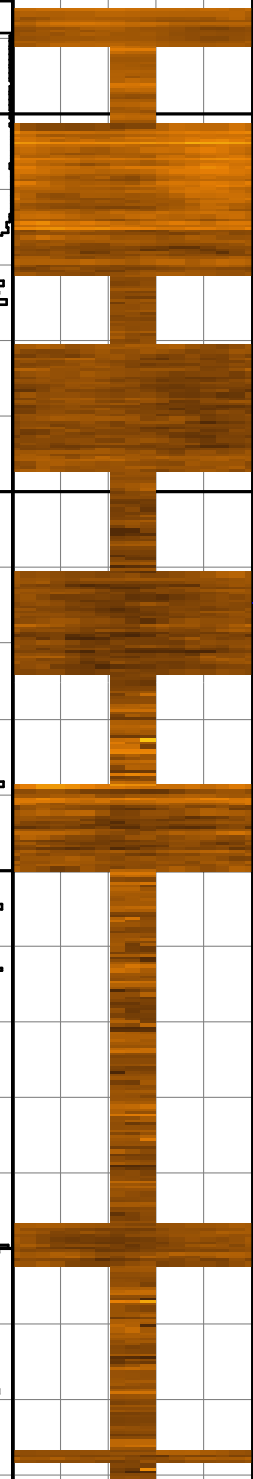
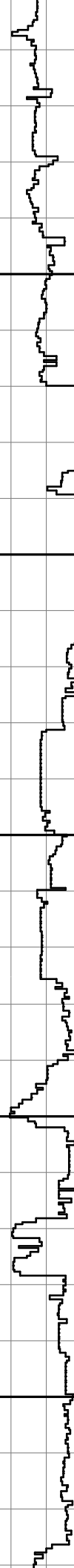
S 5.0 118.0  
1847 1959.5

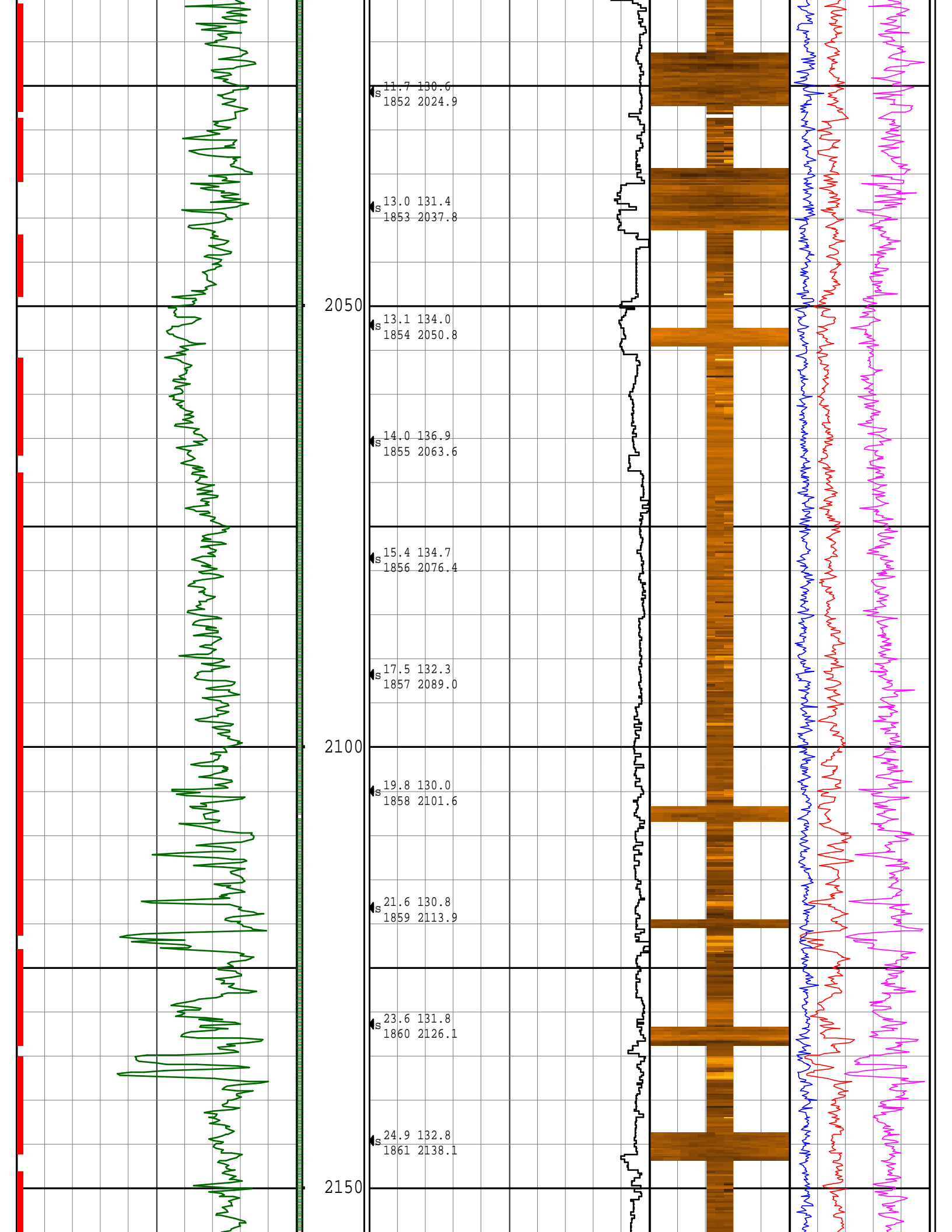
S 5.4 118.9  
1848 1972.7

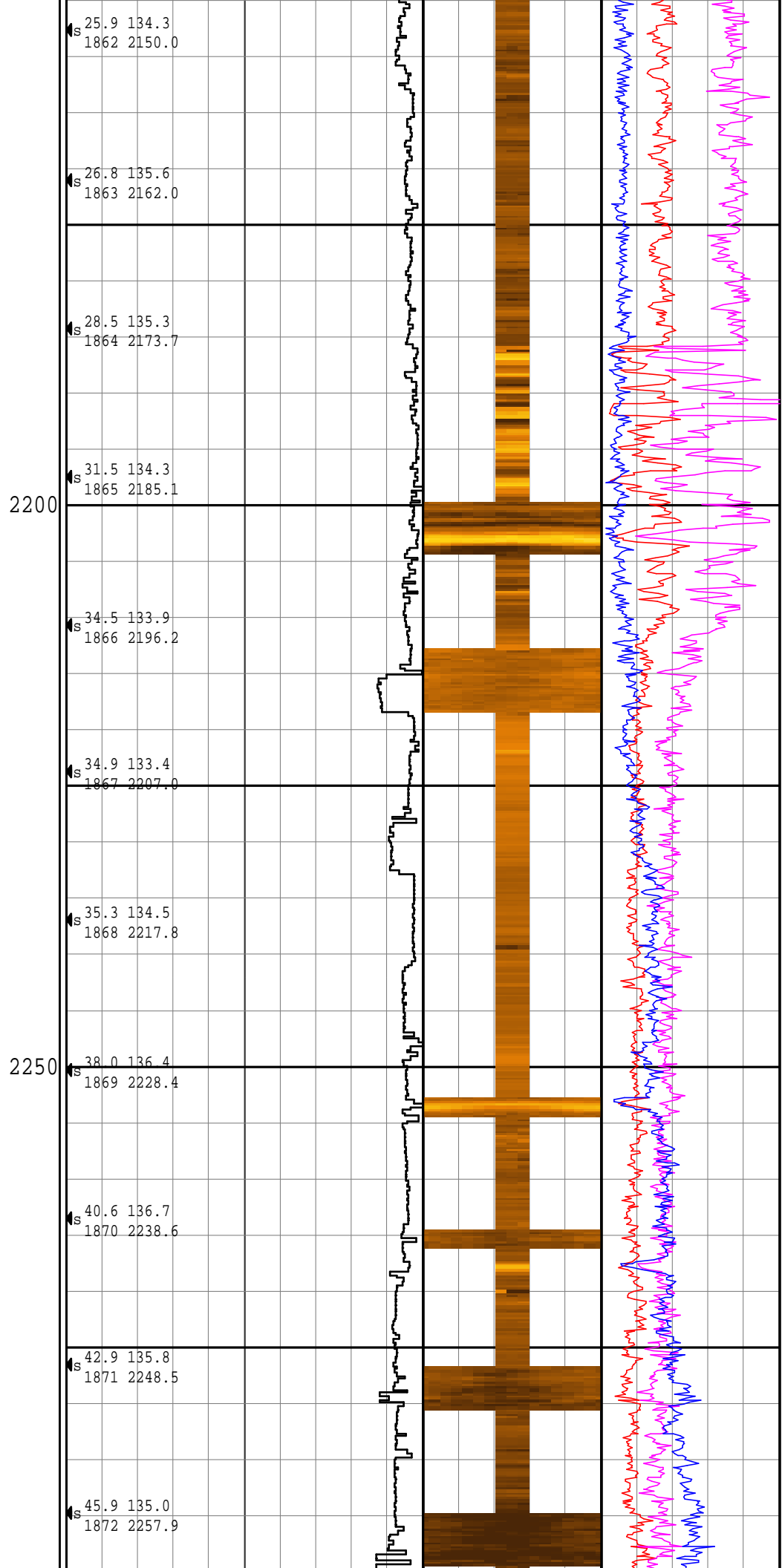
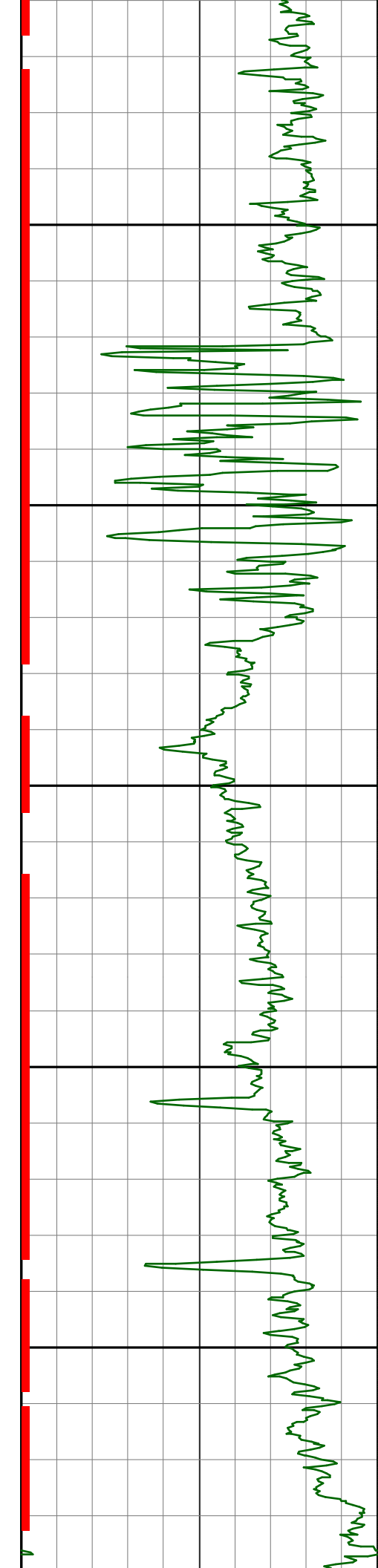
S 6.2 126.3  
1849 1985.8

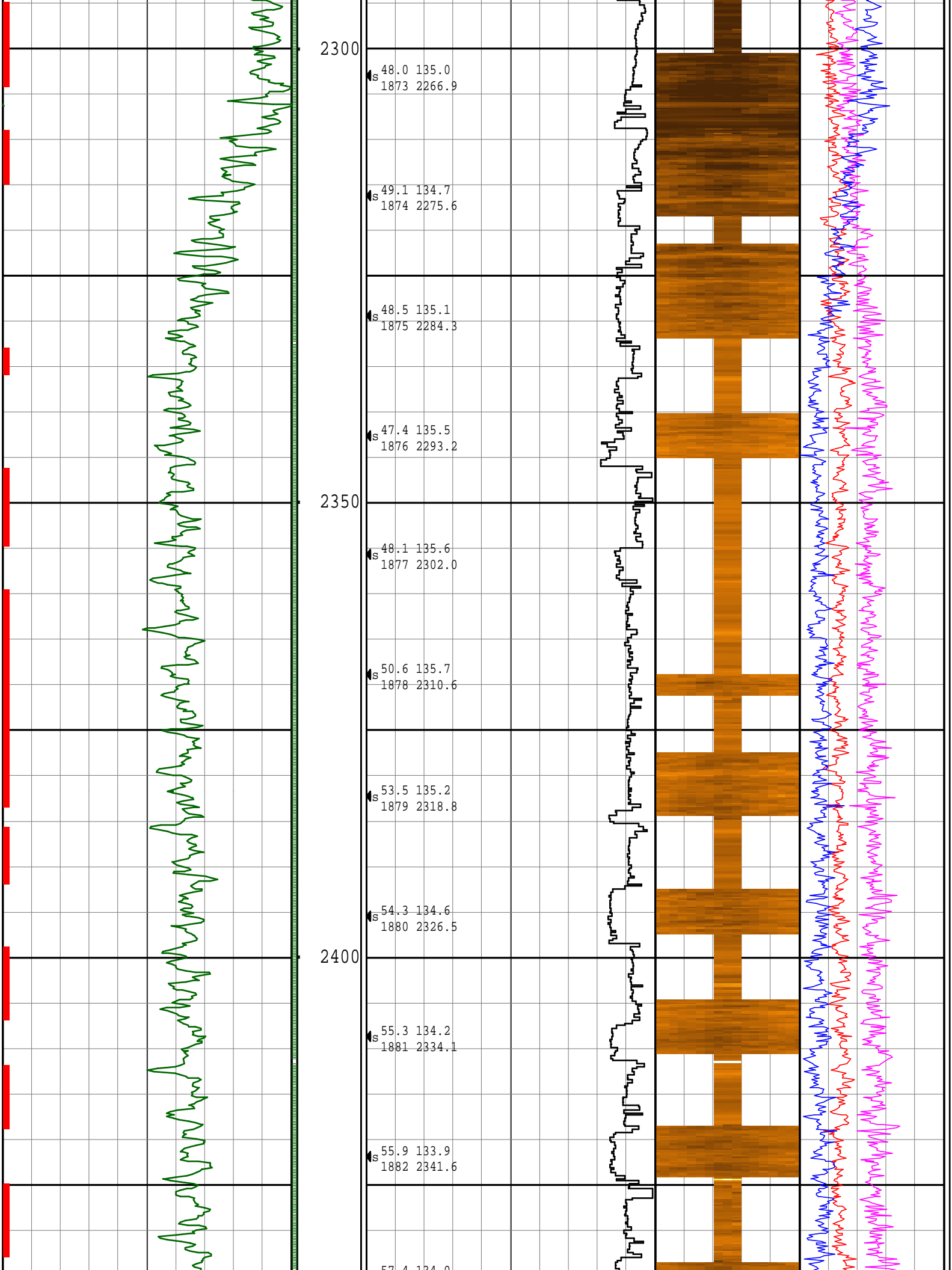
S 7.5 126.5  
1850 1998.9

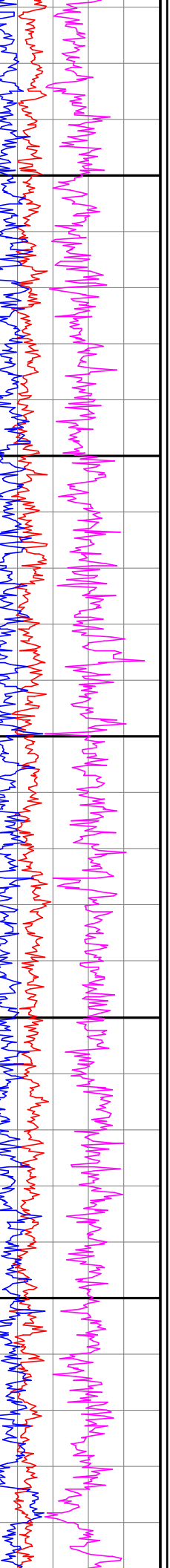
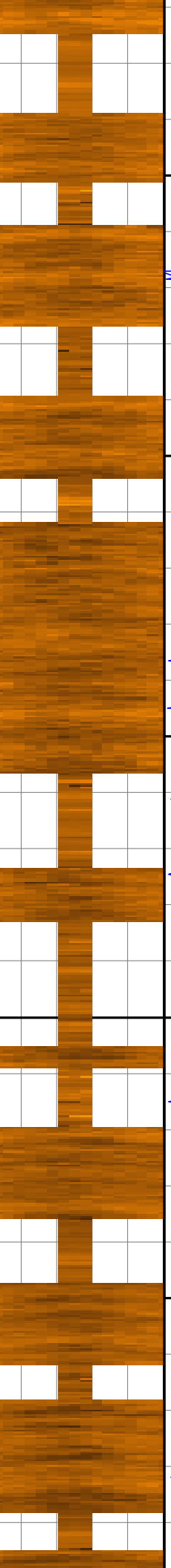
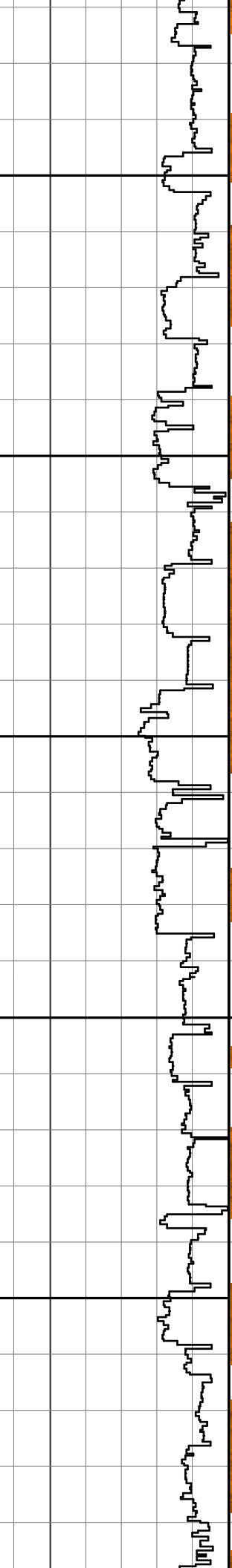
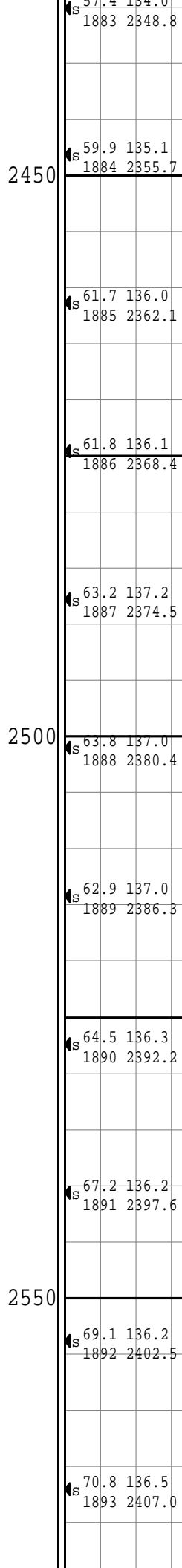
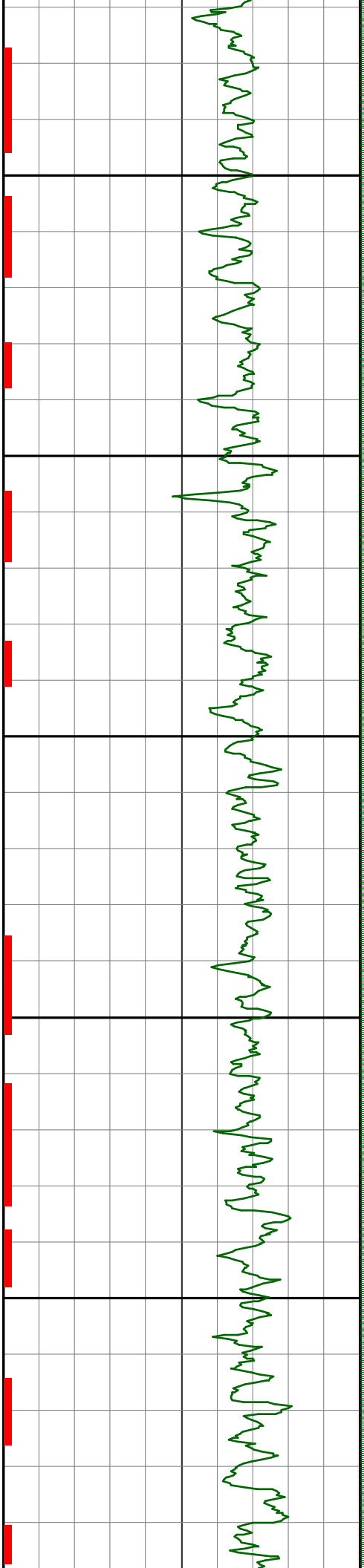
S 9.6 128.2  
1851 2012.0









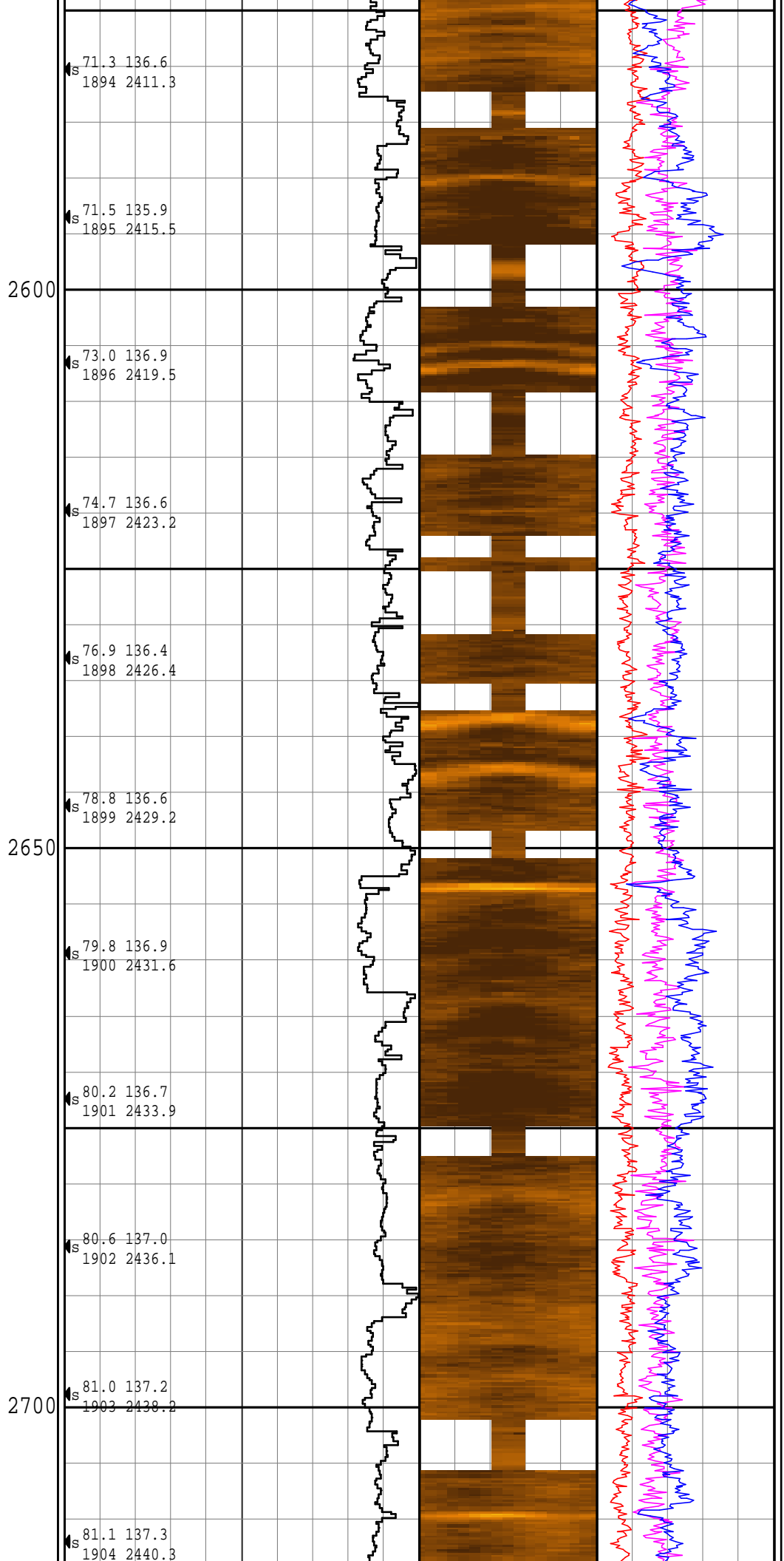
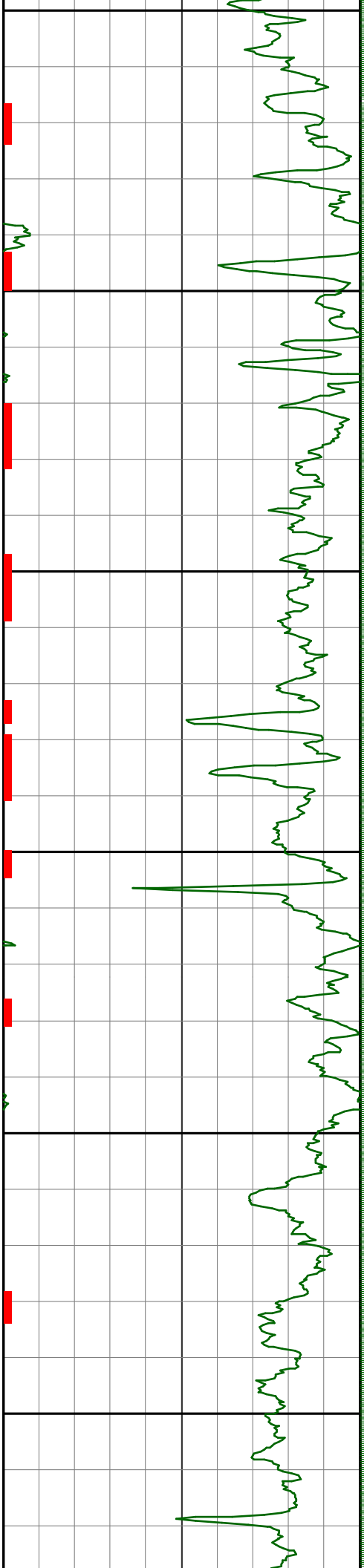


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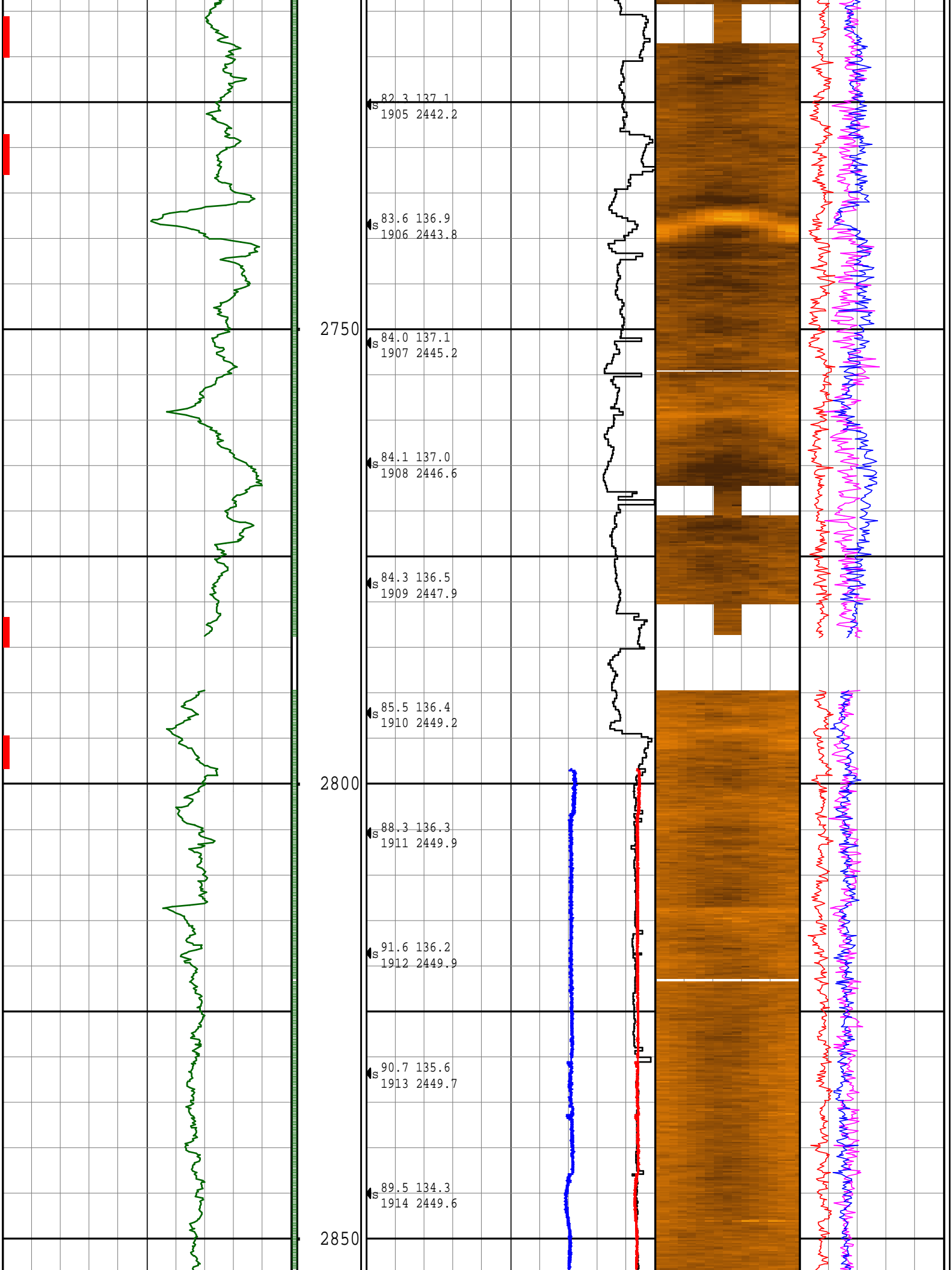
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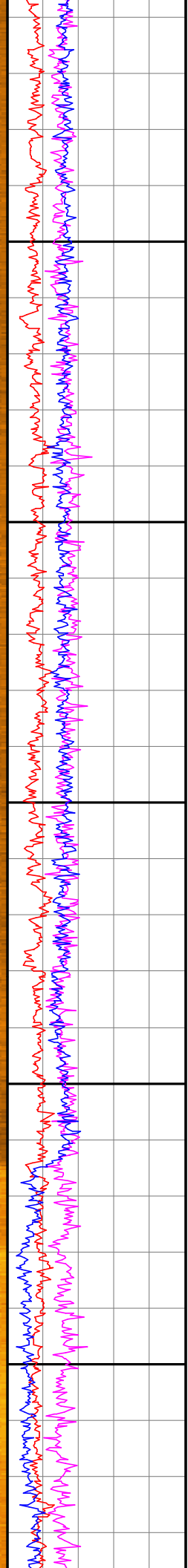
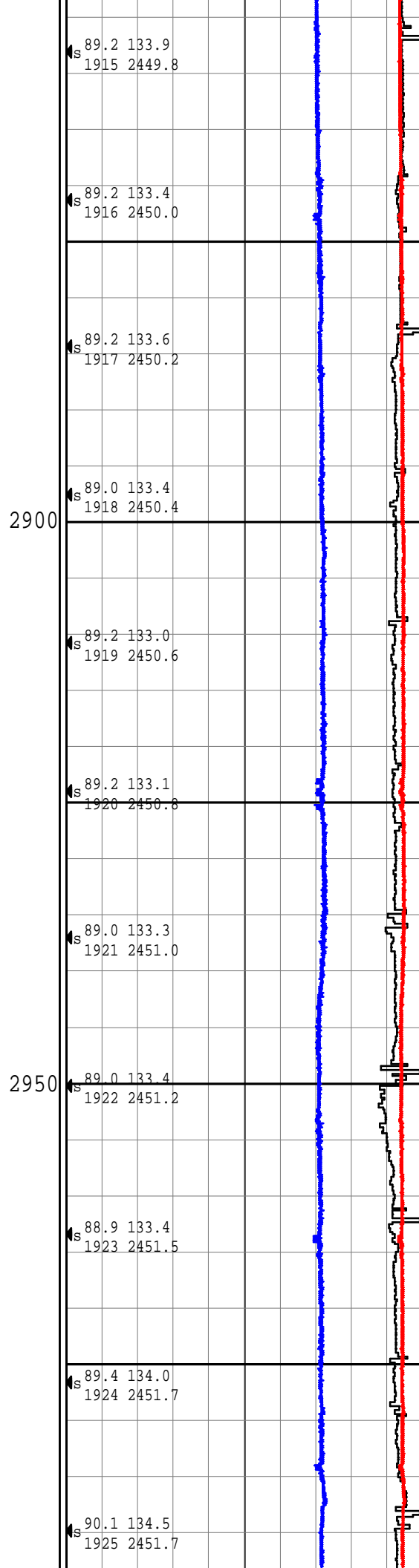
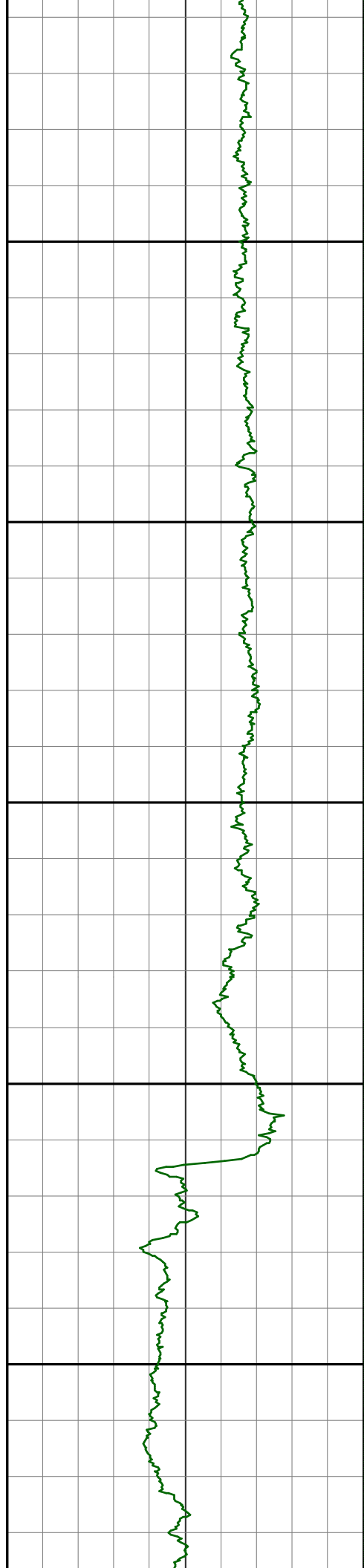
2550

57.4	134.0
1883	2348.8
59.9	135.1
1884	2355.7
61.7	136.0
1885	2362.1
61.8	136.1
1886	2368.4
63.2	137.2
1887	2374.5
63.8	137.0
1888	2380.4
62.9	137.0
1889	2386.3
64.5	136.3
1890	2392.2
67.2	136.2
1891	2397.6
69.1	136.2
1892	2402.5
70.8	136.5
1893	2407.0









89.2 133.9  
1915 2449.8

89.2 133.4  
1916 2450.0

89.2 133.6  
1917 2450.2

89.0 133.4  
1918 2450.4

89.2 133.0  
1919 2450.6

89.2 133.1  
1920 2450.8

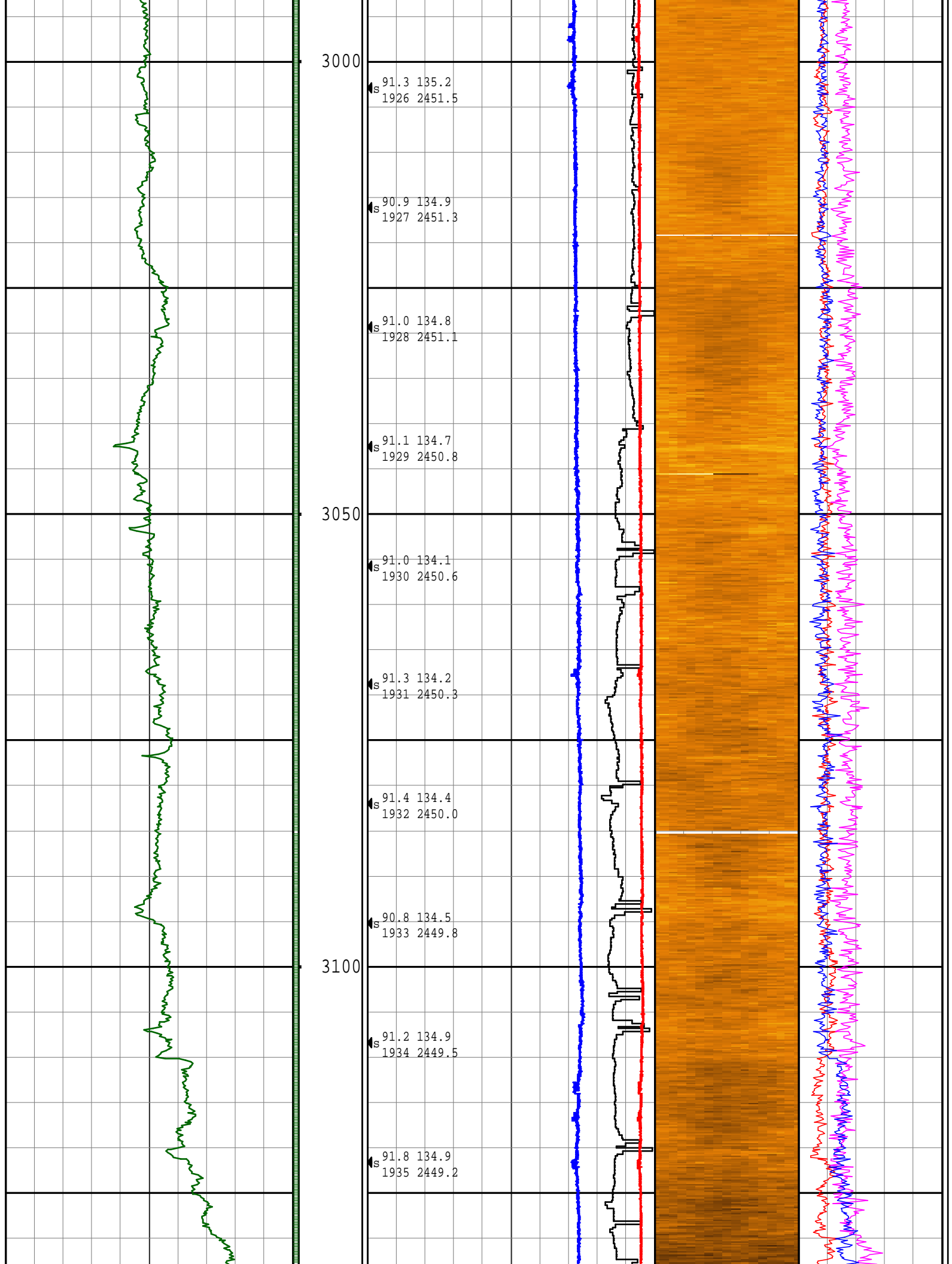
89.0 133.3  
1921 2451.0

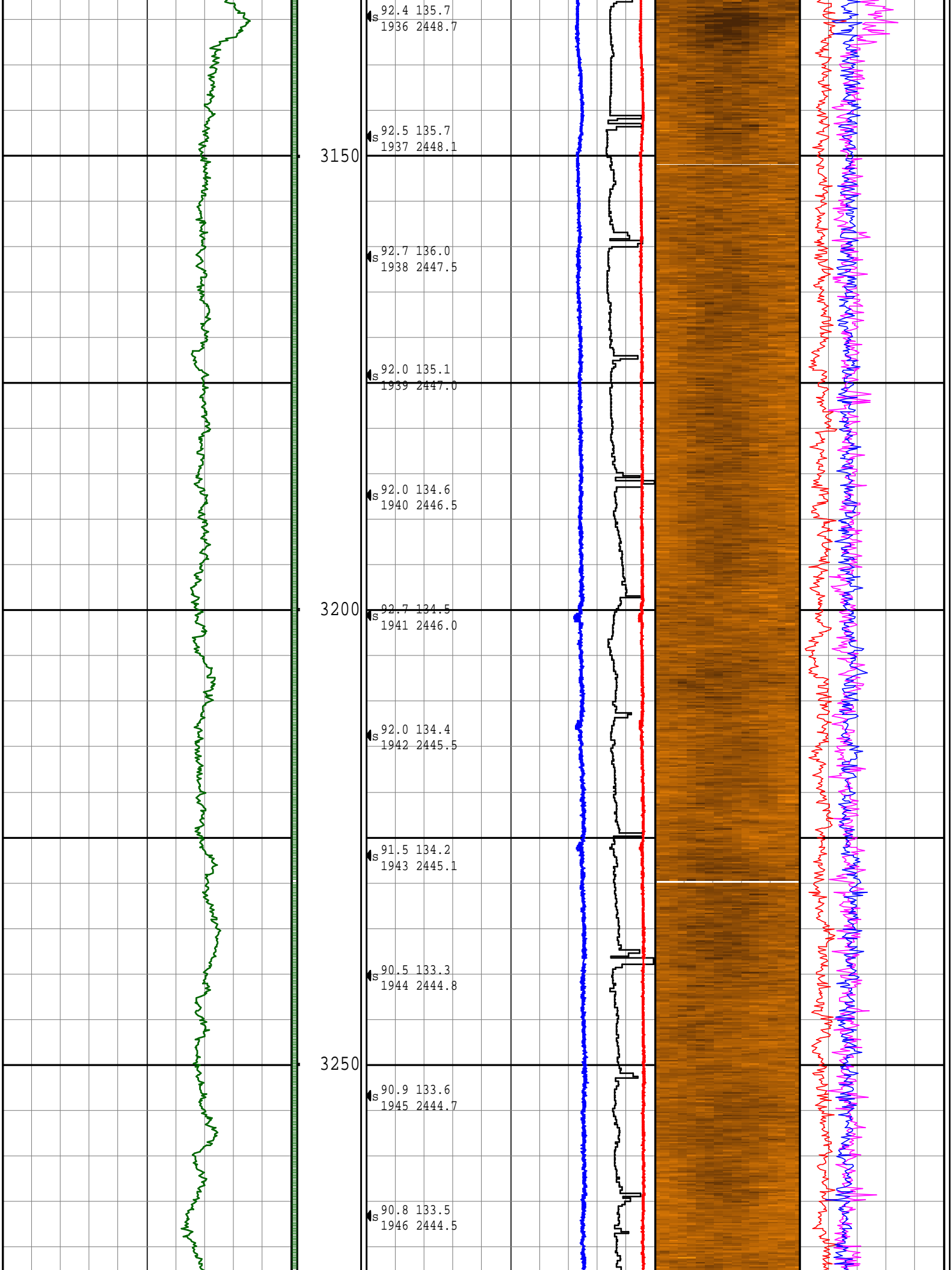
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1922 2451.2

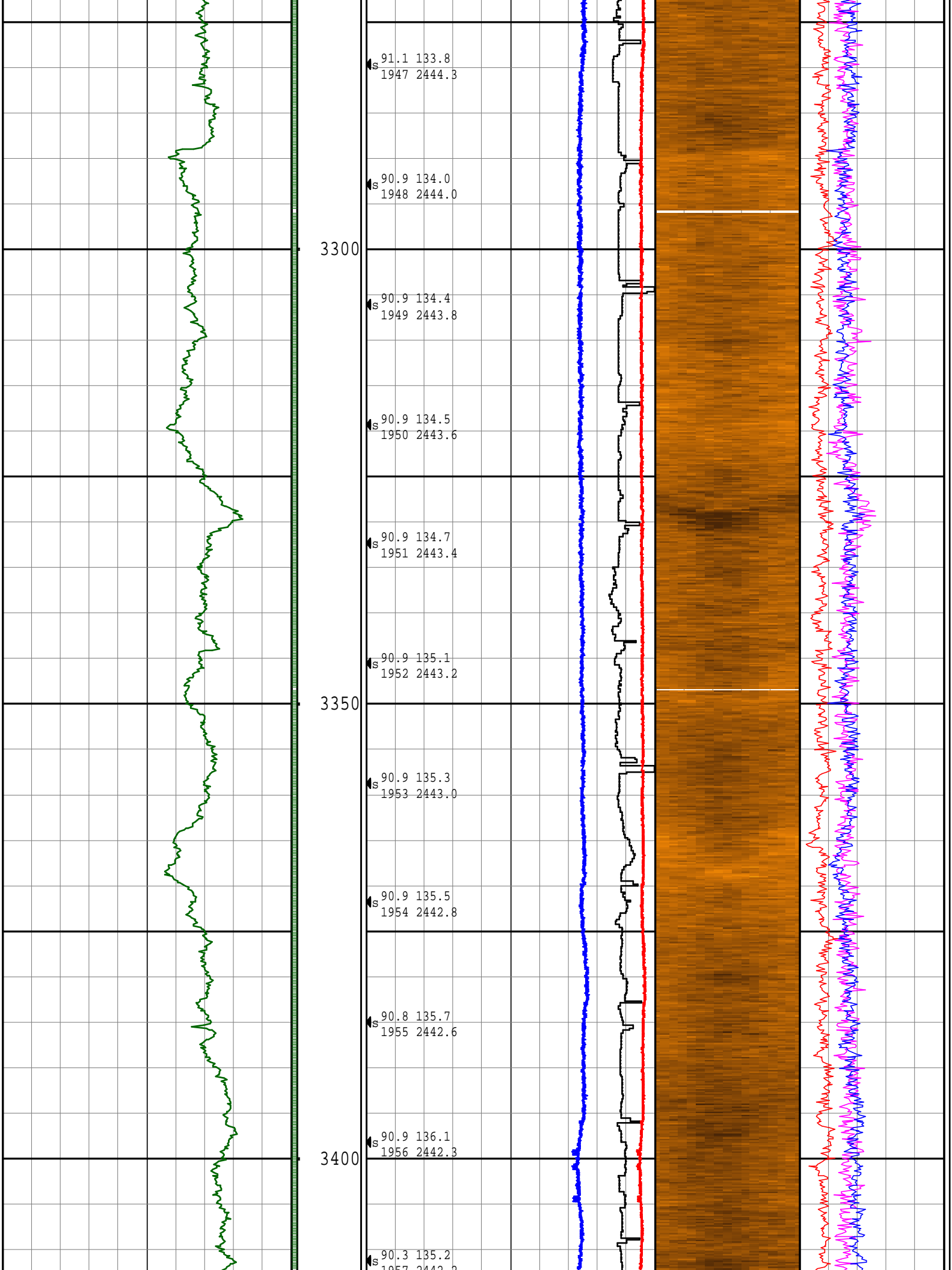
88.9 133.4  
1923 2451.5

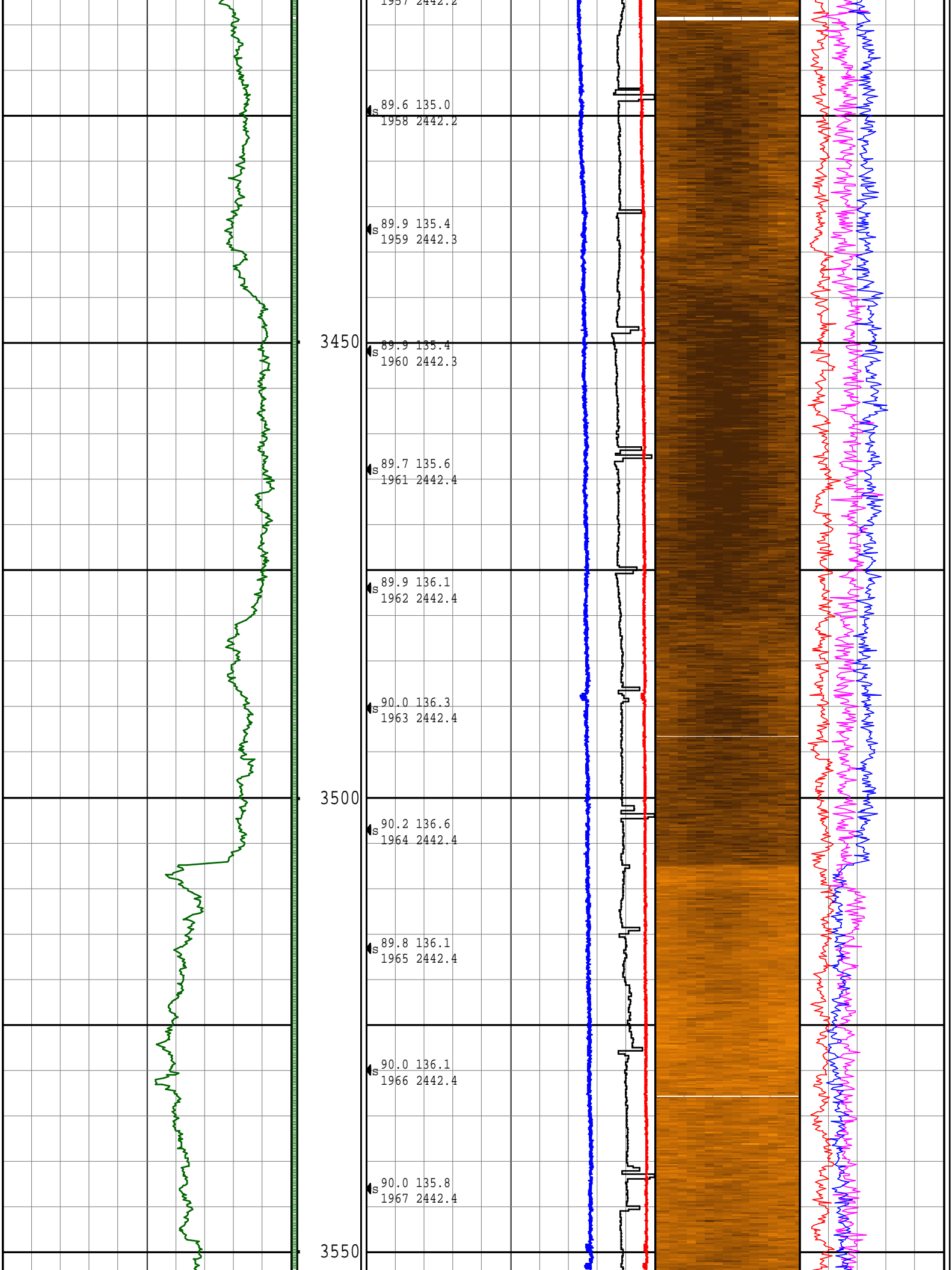
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1924 2451.7

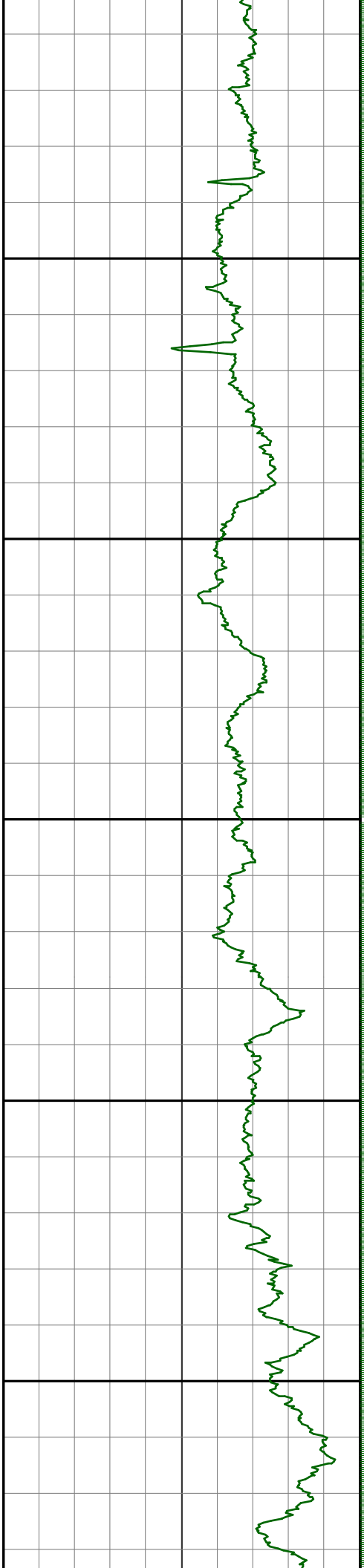
90.1 134.5  
1925 2451.7





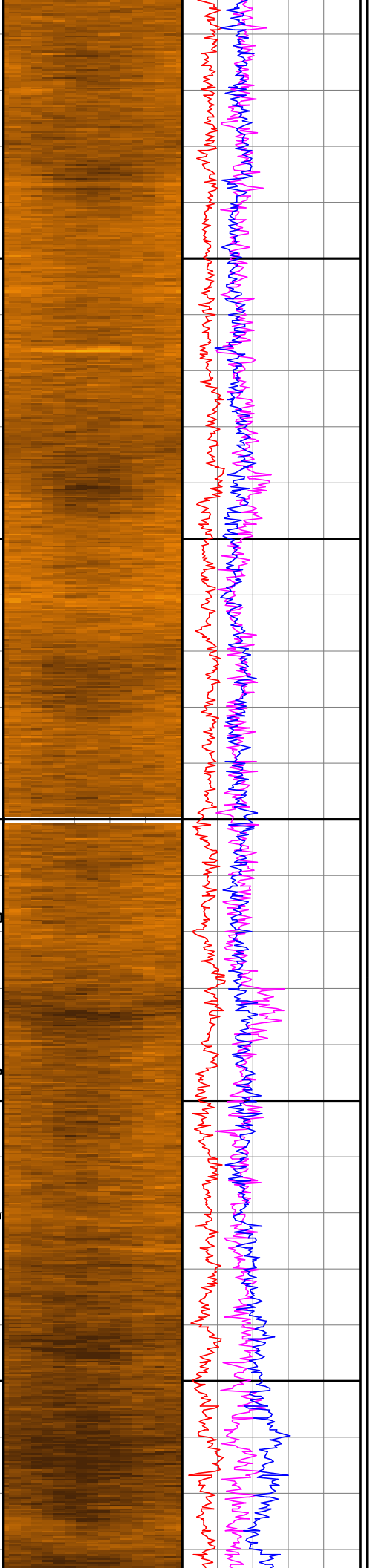
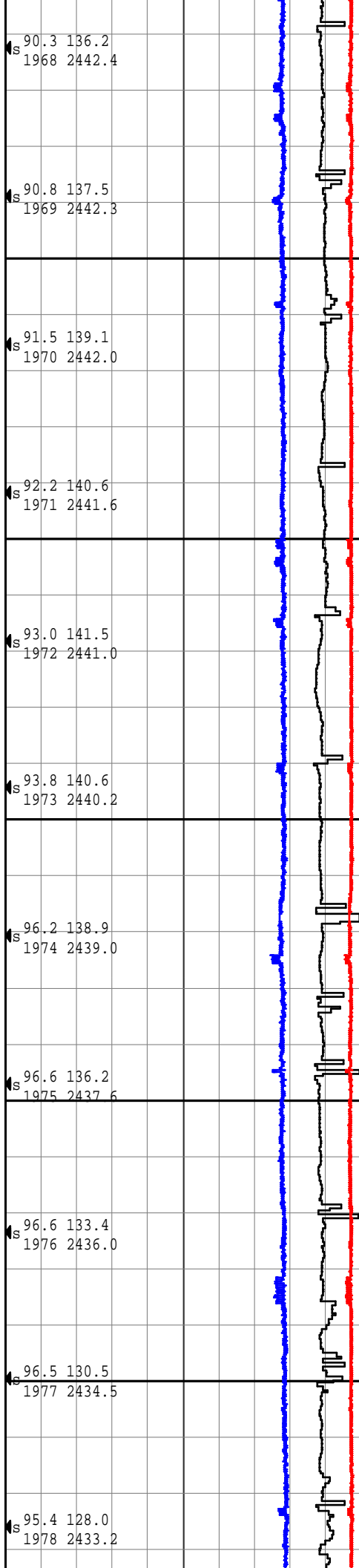






3600

3650



90.3 136.2  
1968 2442.4

90.8 137.5  
1969 2442.3

91.5 139.1  
1970 2442.0

92.2 140.6  
1971 2441.6

93.0 141.5  
1972 2441.0

93.8 140.6  
1973 2440.2

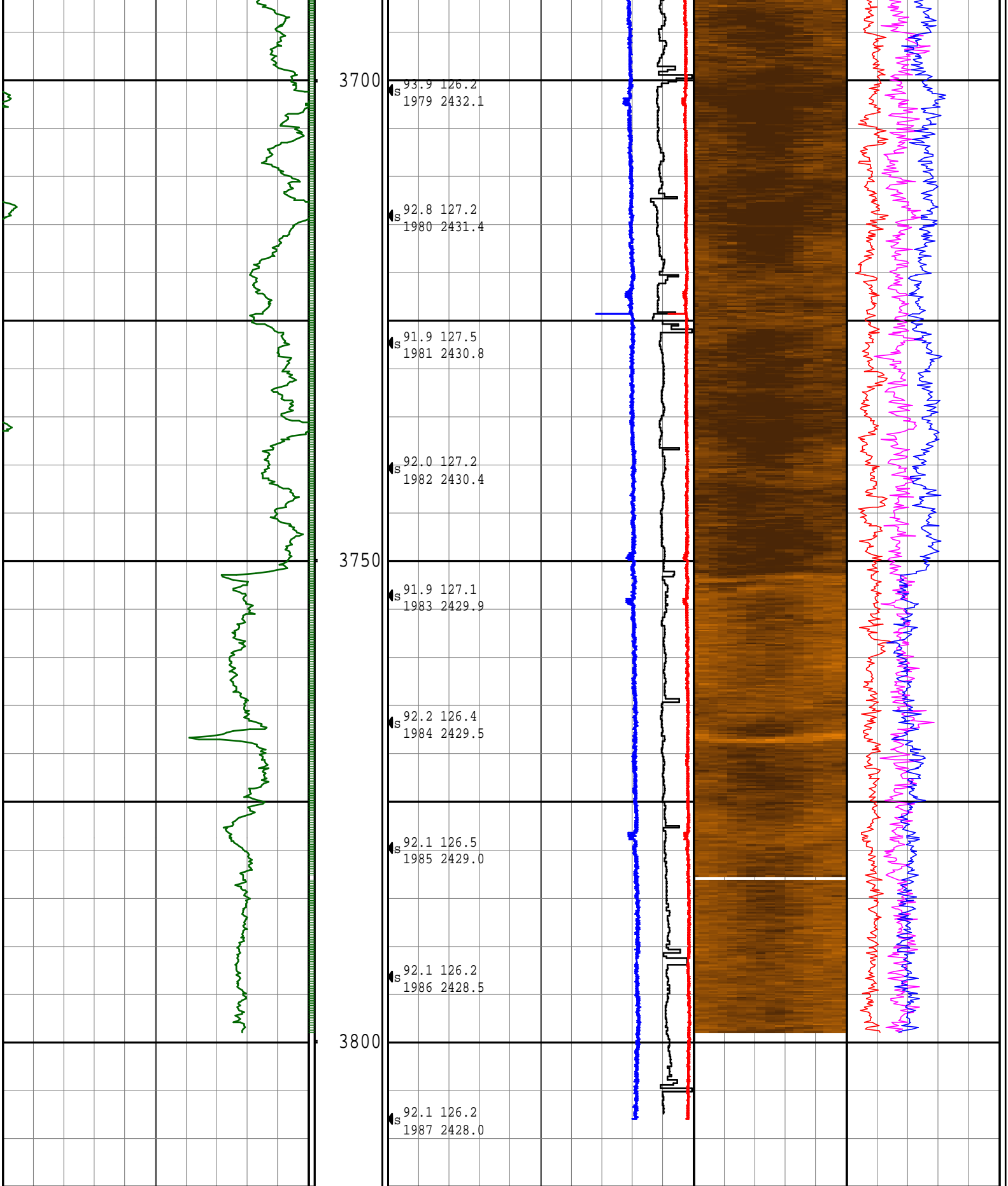
96.2 138.9  
1974 2439.0

96.6 136.2  
1975 2437.6

96.6 133.4  
1976 2436.0

96.5 130.5  
1977 2434.5

95.4 128.0  
1978 2433.2



0	GRC-TOTAL GAMMA RAY API	200	DEPTH	100	ROP m/hr	0	0	GR16 AAPI	200	0	GR_K %	10
avg = 15 cm			MD m	avg = 30 cm			<div></div>			avg = 15 cm		
SLIDE (BIT)			1m = 500m	0			T R B L T			0		
time			COMMENTS	7			0			GR_TH ppm		
date			SHOES	ECDM lb/gal			13			avg = 15 cm		
				inc azi						0		
										GR_U ppm		
										avg = 15 cm		



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

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
ORIGIN OF WELL AT SURFACE								
0.00	0.00	0.00	0.00		-0.00	0.00 N		
5.35	0.03	0.00	5.35	5.35	-0.00	0.00 N	0.17	
42.11	0.27	0.00	42.11	36.76	-0.07	0.10 N	0.20	
43.13	0.27	0.00	43.13	1.02	-0.07	0.10 N	0.00	
44.15	0.27	0.00	44.15	1.02	-0.08	0.11 N	0.00	
45.16	0.26	0.00	45.16	1.01	-0.08	0.11 N	0.30	
46.18	0.26	0.00	46.18	1.02	-0.08	0.12 N	0.00	
47.19	0.26	0.00	47.19	1.01	-0.09	0.12 N	0.00	
48.21	0.26	0.00	48.21	1.02	-0.09	0.13 N	0.00	
49.23	0.27	0.00	49.23	1.02	-0.09	0.13 N	0.29	
50.24	0.28	0.00	50.24	1.01	-0.10	0.14 N	0.30	
51.26	0.29	0.00	51.26	1.02	-0.10	0.14 N	0.29	
52.27	0.29	0.00	52.27	1.01	-0.10	0.15 N	0.00	
53.29	0.29	0.00	53.29	1.02	-0.11	0.15 N	0.00	
54.31	0.31	0.00	54.31	1.02	-0.11	0.16 N	0.59	
55.32	0.33	0.00	55.32	1.01	-0.11	0.16 N	0.59	
56.34	0.34	0.00	56.34	1.02	-0.12	0.17 N	0.29	
57.35	0.34	0.00	57.35	1.01	-0.12	0.17 N	0.00	
58.37	0.35	0.00	58.37	1.02	-0.13	0.18 N	0.30	
59.39	0.34	0.00	59.39	1.02	-0.13	0.19 N	0.30	
60.40	0.35	0.00	60.40	1.01	-0.14	0.19 N	0.30	
61.42	0.34	0.00	61.42	1.02	-0.14	0.20 N	0.30	
62.43	0.31	0.00	62.43	1.01	-0.14	0.20 N	0.89	
63.45	0.32	0.00	63.45	1.02	-0.15	0.21 N	0.29	
64.47	0.32	0.00	64.47	1.02	-0.15	0.22 N	0.00	
65.48	0.31	0.00	65.48	1.01	-0.16	0.22 N	0.30	
66.50	0.30	0.00	66.50	1.02	-0.16	0.23 N	0.30	
67.51	0.30	0.00	67.51	1.01	-0.16	0.23 N	0.00	
68.53	0.30	0.00	68.53	1.02	-0.17	0.24 N	0.00	
69.55	0.30	0.00	69.55	1.02	-0.17	0.24 N	0.00	
70.56	0.30	0.00	70.56	1.01	-0.17	0.25 N	0.00	
71.58	0.30	0.00	71.58	1.02	-0.18	0.25 N	0.00	
72.59	0.30	0.00	72.59	1.01	-0.18	0.26 N	0.00	
73.61	0.30	0.00	73.61	1.02	-0.19	0.26 N	0.00	
74.63	0.30	0.00	74.63	1.02	-0.19	0.27 N	0.00	
75.64	0.29	0.00	75.64	1.01	-0.19	0.27 N	0.30	
76.66	0.28	0.00	76.66	1.02	-0.20	0.28 N	0.29	
77.67	0.28	0.00	77.67	1.01	-0.20	0.28 N	0.00	
78.69	0.29	0.00	78.69	1.02	-0.20	0.29 N	0.29	
79.71	0.30	0.00	79.71	1.02	-0.21	0.29 N	0.30	
80.72	0.31	0.00	80.72	1.01	-0.21	0.30 N	0.30	
81.74	0.32	0.00	81.74	1.02	-0.22	0.31 N	0.29	
82.75	0.31	0.00	82.75	1.01	-0.22	0.31 N	0.30	
83.77	0.30	0.00	83.77	1.02	-0.22	0.32 N	0.30	
84.79	0.30	0.00	84.79	1.02	-0.23	0.32 N	0.00	
85.80	0.30	0.00	85.80	1.01	-0.23	0.33 N	0.00	
86.82	0.30	0.00	86.82	1.02	-0.23	0.33 N	0.00	
87.83	0.30	0.00	87.83	1.01	-0.24	0.34 N	0.00	
88.85	0.32	0.00	88.85	1.02	-0.24	0.34 N	0.59	
89.87	0.32	0.00	89.87	1.02	-0.25	0.35 N	0.00	
90.88	0.32	0.00	90.88	1.01	-0.25	0.35 N	0.00	

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination  (deg)	Azimuth  (deg)	TVD  (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp  (deg C)
91.90	0.32	0.00	91.90	1.02	-0.25	0.36 N	0.00	
92.91	0.33	0.00	92.91	1.01	-0.26	0.37 N	0.30	
93.93	0.33	0.00	93.93	1.02	-0.26	0.37 N	0.00	
94.95	0.33	0.00	94.95	1.02	-0.27	0.38 N	0.00	
95.96	0.33	0.00	95.96	1.01	-0.27	0.38 N	0.00	
96.98	0.33	0.00	96.98	1.02	-0.28	0.39 N	0.00	
97.99	0.33	0.00	97.99	1.01	-0.28	0.40 N	0.00	
99.01	0.33	0.00	99.01	1.02	-0.28	0.40 N	0.00	
100.03	0.32	0.00	100.03	1.02	-0.29	0.41 N	0.30	
101.04	0.32	0.00	101.04	1.01	-0.29	0.41 N	0.00	
102.06	0.33	0.00	102.06	1.02	-0.30	0.42 N	0.30	
103.07	0.31	0.00	103.07	1.01	-0.30	0.42 N	0.59	
104.09	0.29	0.00	104.09	1.02	-0.30	0.43 N	0.59	
105.11	0.30	0.00	105.11	1.02	-0.31	0.43 N	0.30	
106.12	0.31	0.00	106.12	1.01	-0.31	0.44 N	0.30	
107.14	0.31	0.00	107.14	1.02	-0.31	0.45 N	0.00	
108.15	0.31	0.00	108.15	1.01	-0.32	0.45 N	0.00	
109.17	0.29	0.00	109.17	1.02	-0.32	0.46 N	0.59	
110.19	0.28	0.00	110.19	1.02	-0.33	0.46 N	0.29	
111.20	0.28	0.00	111.20	1.01	-0.33	0.47 N	0.00	
112.22	0.26	0.00	112.22	1.02	-0.33	0.47 N	0.59	
113.23	0.26	0.00	113.23	1.01	-0.34	0.48 N	0.00	
114.25	0.26	0.00	114.25	1.02	-0.34	0.48 N	0.00	
115.27	0.26	0.00	115.27	1.02	-0.34	0.48 N	0.00	
116.28	0.25	0.00	116.28	1.01	-0.35	0.49 N	0.30	
117.30	0.26	0.00	117.30	1.02	-0.35	0.49 N	0.30	
118.31	0.26	0.00	118.31	1.01	-0.35	0.50 N	0.00	
119.33	0.28	0.00	119.33	1.02	-0.36	0.50 N	0.59	
120.35	0.29	0.00	120.35	1.02	-0.36	0.51 N	0.29	
121.36	0.32	0.00	121.36	1.01	-0.36	0.51 N	0.89	
122.38	0.35	0.00	122.38	1.02	-0.37	0.52 N	0.88	
123.39	0.38	0.00	123.39	1.01	-0.37	0.53 N	0.89	
124.41	0.41	0.00	124.41	1.02	-0.38	0.53 N	0.88	
125.43	0.42	0.00	125.43	1.02	-0.38	0.54 N	0.29	
126.44	0.40	0.00	126.44	1.01	-0.39	0.55 N	0.59	
127.46	0.39	0.00	127.46	1.02	-0.39	0.55 N	0.29	
128.47	0.39	0.00	128.47	1.01	-0.40	0.56 N	0.00	
129.49	0.38	0.00	129.49	1.02	-0.40	0.57 N	0.30	
130.51	0.35	0.00	130.51	1.02	-0.41	0.57 N	0.88	
131.52	0.38	0.00	131.52	1.01	-0.41	0.58 N	0.89	
132.54	0.39	0.00	132.54	1.02	-0.42	0.59 N	0.30	
133.55	0.40	0.00	133.55	1.01	-0.42	0.60 N	0.30	
134.57	0.41	0.00	134.57	1.02	-0.43	0.60 N	0.30	
135.59	0.41	0.00	135.59	1.02	-0.43	0.61 N	0.00	
136.60	0.44	0.00	136.60	1.01	-0.44	0.62 N	0.89	
137.62	0.46	0.00	137.62	1.02	-0.44	0.63 N	0.59	
138.63	0.46	0.00	138.63	1.01	-0.45	0.63 N	0.00	
139.65	0.47	0.00	139.65	1.02	-0.45	0.64 N	0.29	
140.67	0.49	0.00	140.67	1.02	-0.46	0.65 N	0.59	
141.68	0.49	0.00	141.68	1.01	-0.47	0.66 N	0.00	
142.70	0.50	0.00	142.70	1.02	-0.47	0.67 N	0.30	
143.71	0.52	0.00	143.71	1.01	-0.48	0.68 N	0.59	

## Survey Report

Vertical Section Plane: 135.00°					Total Correction: 3.64° East to Grid			
Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			
North Aligned to: Grid North					Well: AMUNGEE NW-1H			
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
144.73	0.53	0.00	144.73	1.02	-0.48	0.69 N	0.29	
145.75	0.54	0.00	145.75	1.02	-0.49	0.70 N	0.30	
146.76	0.55	0.00	146.76	1.01	-0.50	0.70 N	0.30	
147.78	0.57	0.00	147.78	1.02	-0.51	0.71 N	0.59	
148.79	0.59	0.00	148.79	1.01	-0.51	0.73 N	0.59	
149.81	0.60	0.00	149.81	1.02	-0.52	0.74 N	0.30	
150.83	0.62	0.00	150.83	1.02	-0.53	0.75 N	0.59	
151.84	0.63	0.00	151.84	1.01	-0.54	0.76 N	0.30	
152.86	0.65	0.00	152.86	1.02	-0.54	0.77 N	0.59	
153.87	0.67	0.00	153.87	1.01	-0.55	0.78 N	0.59	
154.89	0.69	0.00	154.89	1.02	-0.56	0.79 N	0.59	
155.91	0.70	0.00	155.91	1.02	-0.57	0.81 N	0.29	
156.92	0.72	0.00	156.92	1.01	-0.58	0.82 N	0.59	
157.94	0.73	0.00	157.94	1.02	-0.59	0.83 N	0.30	
158.95	0.75	0.00	158.95	1.01	-0.60	0.84 N	0.59	
159.97	0.77	0.00	159.97	1.02	-0.61	0.86 N	0.59	
160.99	0.77	0.00	160.99	1.02	-0.62	0.87 N	0.00	
162.00	0.77	0.00	162.00	1.01	-0.63	0.88 N	0.00	
163.02	0.82	0.00	163.02	1.02	-0.64	0.90 N	1.47	
164.03	0.84	0.00	164.03	1.01	-0.65	0.91 N	0.59	
165.05	0.86	0.00	165.05	1.02	-0.66	0.93 N	0.59	
166.07	0.88	0.00	166.07	1.02	-0.67	0.94 N	0.59	
167.08	0.90	0.00	167.08	1.01	-0.68	0.96 N	0.59	
168.10	0.90	0.00	168.10	1.02	-0.69	0.98 N	0.00	
169.11	0.92	0.00	169.11	1.01	-0.70	0.99 N	0.59	
170.13	0.94	0.00	170.13	1.02	-0.71	1.01 N	0.59	
171.15	0.94	0.00	171.15	1.02	-0.72	1.02 N	0.00	
172.16	0.93	0.00	172.16	1.01	-0.74	1.04 N	0.30	
173.18	0.91	0.00	173.18	1.02	-0.75	1.06 N	0.59	
174.19	0.90	0.00	174.19	1.01	-0.76	1.07 N	0.30	
175.21	0.90	0.00	175.21	1.02	-0.77	1.09 N	0.00	
176.23	0.90	0.00	176.23	1.02	-0.78	1.11 N	0.00	
177.24	0.90	0.00	177.24	1.01	-0.79	1.12 N	0.00	
178.26	0.90	0.00	178.25	1.02	-0.80	1.14 N	0.00	
179.27	0.90	0.00	179.26	1.01	-0.82	1.15 N	0.00	
180.29	0.91	0.00	180.28	1.02	-0.83	1.17 N	0.29	
181.31	0.91	0.00	181.30	1.02	-0.84	1.19 N	0.00	
182.32	0.92	0.00	182.31	1.01	-0.85	1.20 N	0.30	
183.34	0.94	0.00	183.33	1.02	-0.86	1.22 N	0.59	
184.35	0.94	0.00	184.34	1.01	-0.87	1.24 N	0.00	
185.37	0.94	0.00	185.36	1.02	-0.89	1.25 N	0.00	
186.39	0.94	0.00	186.38	1.02	-0.90	1.27 N	0.00	
187.40	0.93	0.00	187.39	1.01	-0.91	1.28 N	0.30	
188.42	0.94	0.00	188.41	1.02	-0.92	1.30 N	0.29	
189.43	0.93	0.00	189.42	1.01	-0.93	1.32 N	0.30	
190.45	0.93	0.00	190.44	1.02	-0.94	1.33 N	0.00	
191.47	0.93	0.00	191.46	1.02	-0.96	1.35 N	0.00	
192.48	0.95	0.00	192.47	1.01	-0.97	1.37 N	0.59	
193.50	0.95	0.00	193.49	1.02	-0.98	1.38 N	0.00	
194.51	0.97	0.00	194.50	1.01	-0.99	1.40 N	0.59	
195.53	0.99	0.00	195.52	1.02	-1.00	1.42 N	0.59	
196.55	1.00	0.00	196.54	1.02	-1.02	1.44 N	0.29	

## Survey Report

Vertical Section Plane: 135.00°

Total Correction: 3.64° East to Grid

Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination  (deg)	Azimuth  (deg)	TVD  (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp  (deg C)
197.56	1.01	0.00	197.55	1.01	-1.03	1.45 N	0.30	
198.58	1.02	0.00	198.57	1.02	-1.04	1.47 N	0.29	
199.59	1.04	0.00	199.58	1.01	-1.05	1.49 N	0.59	
200.61	1.04	0.00	200.60	1.02	-1.07	1.51 N	0.00	
201.63	1.04	0.00	201.62	1.02	-1.08	1.53 N	0.00	
202.64	1.05	0.00	202.63	1.01	-1.09	1.55 N	0.30	
203.66	1.04	0.00	203.65	1.02	-1.11	1.56 N	0.30	
204.67	1.03	0.00	204.66	1.01	-1.12	1.58 N	0.30	
205.69	1.03	0.00	205.68	1.02	-1.13	1.60 N	0.00	
206.71	1.01	0.00	206.70	1.02	-1.15	1.62 N	0.59	
207.72	0.99	0.00	207.71	1.01	-1.16	1.64 N	0.59	
208.74	0.96	0.00	208.73	1.02	-1.17	1.65 N	0.88	
209.75	0.95	0.00	209.74	1.01	-1.18	1.67 N	0.30	
210.77	0.94	0.00	210.76	1.02	-1.19	1.69 N	0.30	
211.79	0.90	0.00	211.78	1.02	-1.21	1.70 N	1.18	
212.80	0.91	0.00	212.79	1.01	-1.22	1.72 N	0.30	
213.82	0.91	0.00	213.81	1.02	-1.23	1.74 N	0.00	
214.83	0.90	0.00	214.82	1.01	-1.24	1.75 N	0.30	
215.85	0.88	0.00	215.84	1.02	-1.25	1.77 N	0.59	
216.87	0.88	0.00	216.86	1.02	-1.26	1.78 N	0.00	
217.88	0.87	0.00	217.87	1.01	-1.27	1.80 N	0.30	
218.90	0.87	0.00	218.89	1.02	-1.28	1.82 N	0.00	
219.91	0.87	0.00	219.90	1.01	-1.29	1.83 N	0.00	
220.93	0.87	0.00	220.92	1.02	-1.31	1.85 N	0.00	
221.95	0.88	0.00	221.94	1.02	-1.32	1.86 N	0.30	
222.96	0.87	0.00	222.95	1.01	-1.33	1.88 N	0.30	
223.98	0.87	0.00	223.97	1.02	-1.34	1.89 N	0.00	
224.99	0.87	0.00	224.98	1.01	-1.35	1.91 N	0.00	
226.01	0.86	0.00	226.00	1.02	-1.36	1.92 N	0.29	
227.03	0.85	0.00	227.02	1.02	-1.37	1.94 N	0.30	
228.04	0.84	0.00	228.03	1.01	-1.38	1.95 N	0.30	
229.06	0.84	0.00	229.05	1.02	-1.39	1.97 N	0.00	
230.07	0.85	0.00	230.06	1.01	-1.40	1.98 N	0.30	
231.09	0.87	0.00	231.08	1.02	-1.41	2.00 N	0.59	
232.11	0.86	0.00	232.10	1.02	-1.42	2.01 N	0.29	
233.12	0.78	0.00	233.11	1.01	-1.43	2.03 N	2.38	
234.14	0.79	0.00	234.13	1.02	-1.44	2.04 N	0.29	
235.15	0.82	0.00	235.14	1.01	-1.45	2.06 N	0.89	
236.17	0.80	0.00	236.16	1.02	-1.46	2.07 N	0.59	
237.19	0.78	0.00	237.18	1.02	-1.47	2.08 N	0.59	
238.20	0.70	0.00	238.19	1.01	-1.48	2.10 N	2.38	
239.22	0.68	0.00	239.21	1.02	-1.49	2.11 N	0.59	
240.23	0.69	0.00	240.22	1.01	-1.50	2.12 N	0.30	
241.25	0.66	0.00	241.24	1.02	-1.51	2.13 N	0.88	
242.27	0.63	0.00	242.26	1.02	-1.52	2.15 N	0.88	
243.28	0.62	0.00	243.27	1.01	-1.53	2.16 N	0.30	
244.30	0.61	0.00	244.29	1.02	-1.53	2.17 N	0.29	
245.31	0.62	0.00	245.30	1.01	-1.54	2.18 N	0.30	
246.33	0.63	0.00	246.32	1.02	-1.55	2.19 N	0.30	
247.35	0.64	0.00	247.34	1.02	-1.56	2.20 N	0.29	
248.36	0.66	0.00	248.35	1.01	-1.56	2.21 N	0.59	
249.38	0.68	0.00	249.37	1.02	-1.57	2.22 N	0.59	

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

North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
250.39	0.69	0.00	250.38	1.01	-1.58	2.24 N	0.30	
251.41	0.71	0.00	251.40	1.02	-1.59	2.25 N	0.59	
252.43	0.71	0.00	252.42	1.02	-1.60	2.26 N	0.00	
253.44	0.70	0.00	253.43	1.01	-1.61	2.27 N	0.30	
254.46	0.74	0.00	254.45	1.02	-1.62	2.29 N	1.18	
255.47	0.74	0.00	255.46	1.01	-1.63	2.30 N	0.00	
256.49	0.75	0.00	256.48	1.02	-1.64	2.31 N	0.30	
257.51	0.75	0.00	257.50	1.02	-1.65	2.33 N	0.00	
258.52	0.75	0.00	258.51	1.01	-1.65	2.34 N	0.00	
259.54	0.76	0.00	259.53	1.02	-1.66	2.35 N	0.30	
260.55	0.78	0.00	260.54	1.01	-1.67	2.37 N	0.59	
261.57	0.79	0.00	261.56	1.02	-1.68	2.38 N	0.29	
262.59	0.80	0.00	262.58	1.02	-1.69	2.39 N	0.30	
263.60	0.82	0.00	263.59	1.01	-1.70	2.41 N	0.59	
264.62	0.84	0.00	264.61	1.02	-1.71	2.42 N	0.59	
265.63	0.90	0.00	265.62	1.01	-1.72	2.44 N	1.78	
266.65	0.96	0.00	266.63	1.02	-1.74	2.46 N	1.76	
267.67	1.02	0.00	267.65	1.02	-1.75	2.47 N	1.76	
268.68	1.07	0.00	268.66	1.01	-1.76	2.49 N	1.49	
269.70	1.11	0.00	269.68	1.02	-1.78	2.51 N	1.18	
270.71	1.16	0.00	270.69	1.01	-1.79	2.53 N	1.49	
271.73	1.19	0.00	271.71	1.02	-1.80	2.55 N	0.88	
272.75	1.23	0.00	272.73	1.02	-1.82	2.57 N	1.18	
273.76	1.25	0.00	273.74	1.01	-1.84	2.60 N	0.59	
274.78	1.27	0.00	274.76	1.02	-1.85	2.62 N	0.59	
275.79	1.29	0.00	275.77	1.01	-1.87	2.64 N	0.59	
276.81	1.31	0.00	276.79	1.02	-1.88	2.66 N	0.59	
277.83	1.30	0.00	277.81	1.02	-1.90	2.69 N	0.30	
278.84	1.32	0.00	278.82	1.01	-1.92	2.71 N	0.59	
279.86	1.32	0.00	279.84	1.02	-1.93	2.73 N	0.00	
280.87	1.31	0.00	280.85	1.01	-1.95	2.76 N	0.30	
281.89	1.30	0.00	281.87	1.02	-1.97	2.78 N	0.30	
282.91	1.30	0.00	282.89	1.02	-1.98	2.80 N	0.00	
283.92	1.30	0.00	283.90	1.01	-2.00	2.83 N	0.00	
284.94	1.30	0.00	284.92	1.02	-2.01	2.85 N	0.00	
285.95	1.29	0.00	285.93	1.01	-2.03	2.87 N	0.30	
286.97	1.29	0.00	286.95	1.02	-2.05	2.89 N	0.00	
287.99	1.30	0.00	287.97	1.02	-2.06	2.92 N	0.29	
289.00	1.30	0.00	288.98	1.01	-2.08	2.94 N	0.00	
290.02	1.30	0.00	290.00	1.02	-2.10	2.96 N	0.00	
291.03	1.28	0.00	291.01	1.01	-2.11	2.99 N	0.59	
292.05	1.28	0.00	292.03	1.02	-2.13	3.01 N	0.00	
293.07	1.27	0.00	293.05	1.02	-2.14	3.03 N	0.29	
294.08	1.27	0.00	294.06	1.01	-2.16	3.05 N	0.00	
295.10	1.20	0.00	295.08	1.02	-2.18	3.08 N	2.06	
296.11	1.14	0.00	296.09	1.01	-2.19	3.10 N	1.78	
297.13	1.25	0.00	297.11	1.02	-2.21	3.12 N	3.23	
298.15	1.23	0.00	298.13	1.02	-2.22	3.14 N	0.59	
299.16	1.22	0.00	299.14	1.01	-2.24	3.16 N	0.30	
300.18	1.21	0.00	300.16	1.02	-2.25	3.18 N	0.30	
301.19	1.22	0.00	301.17	1.01	-2.27	3.21 N	0.30	
302.21	1.23	0.00	302.19	1.02	-2.28	3.23 N	0.30	

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

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

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

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	

408.89	0.47	0.00	408.89	1.02	-3.35	4.74 N	0.30
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
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	

574.50	0.19	0.00	574.48	1.02	-3.89	5.51 N	0.59
575.51	0.21	0.00	575.47	1.01	-3.90	5.51 N	0.59
576.53	0.22	0.00	576.49	1.02	-3.90	5.51 N	0.30
577.55	0.22	0.00	577.51	1.02	-3.90	5.52 N	0.00
578.56	0.22	0.00	578.52	1.01	-3.90	5.52 N	0.00
579.58	0.22	0.00	579.54	1.02	-3.91	5.52 N	0.00
580.59	0.22	0.00	580.55	1.01	-3.91	5.53 N	0.00
581.61	0.21	0.00	581.57	1.02	-3.91	5.53 N	0.30
582.63	0.20	0.00	582.59	1.02	-3.91	5.54 N	0.29
583.64	0.20	0.00	583.60	1.01	-3.92	5.54 N	0.00
584.66	0.20	0.00	584.62	1.02	-3.92	5.54 N	0.00
585.67	0.19	0.00	585.63	1.01	-3.92	5.55 N	0.30
586.69	0.19	0.00	586.65	1.02	-3.92	5.55 N	0.00
587.71	0.20	0.00	587.67	1.02	-3.93	5.55 N	0.30
588.72	0.20	0.00	588.68	1.01	-3.93	5.56 N	0.00
589.74	0.19	0.00	589.70	1.02	-3.93	5.56 N	0.30
590.75	0.19	0.00	590.71	1.01	-3.93	5.56 N	0.00
591.77	0.19	0.00	591.73	1.02	-3.94	5.57 N	0.00
592.79	0.19	0.00	592.75	1.02	-3.94	5.57 N	0.00
593.80	0.20	0.00	593.76	1.01	-3.94	5.57 N	0.30
594.82	0.19	0.00	594.78	1.02	-3.94	5.58 N	0.30
595.83	0.20	0.00	595.79	1.01	-3.95	5.58 N	0.30
596.85	0.20	0.00	596.81	1.02	-3.95	5.58 N	0.00
597.87	0.19	0.00	597.83	1.02	-3.95	5.59 N	0.30
598.88	0.18	0.00	598.84	1.01	-3.95	5.59 N	0.30
599.90	0.17	0.00	599.86	1.02	-3.96	5.59 N	0.30
600.91	0.17	0.00	600.87	1.01	-3.96	5.60 N	0.00
601.93	0.18	0.00	601.89	1.02	-3.96	5.60 N	0.30
602.95	0.20	0.00	602.91	1.02	-3.96	5.60 N	0.59
603.96	0.21	0.00	603.92	1.01	-3.97	5.61 N	0.30
604.98	0.22	0.00	604.94	1.02	-3.97	5.61 N	0.30
605.99	0.23	0.00	605.95	1.01	-3.97	5.62 N	0.30
607.01	0.23	0.00	606.97	1.02	-3.97	5.62 N	0.00
608.03	0.23	0.00	607.99	1.02	-3.98	5.62 N	0.00
609.04	0.24	0.00	609.00	1.01	-3.98	5.63 N	0.30
610.06	0.25	0.00	610.02	1.02	-3.98	5.63 N	0.29
611.07	0.25	0.00	611.03	1.01	-3.99	5.64 N	0.00
612.09	0.25	0.00	612.05	1.02	-3.99	5.64 N	0.00
613.11	0.25	0.00	613.07	1.02	-3.99	5.65 N	0.00
614.12	0.24	0.00	614.08	1.01	-4.00	5.65 N	0.30
615.14	0.23	0.00	615.10	1.02	-4.00	5.65 N	0.30
616.15	0.22	0.00	616.11	1.01	-4.00	5.66 N	0.30
617.17	0.23	0.00	617.13	1.02	-4.00	5.66 N	0.29
618.19	0.23	0.00	618.15	1.02	-4.01	5.67 N	0.00
619.20	0.23	0.00	619.16	1.01	-4.01	5.67 N	0.00

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination  (deg)	Azimuth  (deg)	TVD  (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp  (deg C)
620.22	0.24	0.00	620.18	1.02	-4.01	5.67 N	0.30	
621.23	0.23	0.00	621.19	1.01	-4.02	5.68 N	0.30	
622.25	0.23	0.00	622.21	1.02	-4.02	5.68 N	0.00	
623.27	0.23	0.00	623.23	1.02	-4.02	5.69 N	0.00	
624.28	0.23	0.00	624.24	1.01	-4.02	5.69 N	0.00	
625.30	0.23	0.00	625.26	1.02	-4.03	5.69 N	0.00	
626.31	0.23	0.00	626.27	1.01	-4.03	5.70 N	0.00	
627.33	0.23	0.00	627.29	1.02	-4.03	5.70 N	0.00	
628.35	0.23	0.00	628.31	1.02	-4.04	5.71 N	0.00	
629.36	0.22	0.00	629.32	1.01	-4.04	5.71 N	0.30	

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

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
673.05	0.19	0.00	673.01	1.02	-4.13	5.84 N	0.00	
674.07	0.19	0.00	674.03	1.02	-4.14	5.85 N	0.00	
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	
685.25	0.30	0.00	685.21	1.01	-4.17	5.91 N	0.00	

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	

740.11	0.13	0.00	740.09	1.01	-4.36	6.16 N	0.30
741.12	0.14	0.00	741.08	1.01	-4.36	6.16 N	0.30
742.14	0.14	0.00	742.10	1.02	-4.36	6.17 N	0.00
743.15	0.13	0.00	743.11	1.01	-4.36	6.17 N	0.30
744.17	0.13	0.00	744.13	1.02	-4.36	6.17 N	0.00
745.19	0.12	0.00	745.15	1.02	-4.36	6.17 N	0.30
746.20	0.12	0.00	746.16	1.01	-4.37	6.17 N	0.00
747.22	0.11	0.00	747.18	1.02	-4.37	6.18 N	0.29
748.23	0.11	0.00	748.19	1.01	-4.37	6.18 N	0.00
749.25	0.11	0.00	749.21	1.02	-4.37	6.18 N	0.00
750.27	0.12	0.00	750.23	1.02	-4.37	6.18 N	0.29
751.28	0.13	0.00	751.24	1.01	-4.37	6.18 N	0.30
752.30	0.14	0.00	752.26	1.02	-4.37	6.19 N	0.29
753.31	0.15	0.00	753.27	1.01	-4.38	6.19 N	0.30
754.33	0.15	0.00	754.29	1.02	-4.38	6.19 N	0.00
755.35	0.15	0.00	755.31	1.02	-4.38	6.19 N	0.00
756.36	0.14	0.00	756.32	1.01	-4.38	6.20 N	0.30
757.38	0.13	0.00	757.34	1.02	-4.38	6.20 N	0.29
758.39	0.11	0.00	758.35	1.01	-4.39	6.20 N	0.59
759.41	0.11	0.00	759.37	1.02	-4.39	6.20 N	0.00
760.43	0.13	0.00	760.39	1.02	-4.39	6.21 N	0.59
761.44	0.14	0.00	761.40	1.01	-4.39	6.21 N	0.30
762.46	0.14	0.00	762.42	1.02	-4.39	6.21 N	0.00
763.47	0.15	0.00	763.43	1.01	-4.39	6.21 N	0.30
764.49	0.15	0.00	764.45	1.02	-4.40	6.22 N	0.00
765.51	0.14	0.00	765.47	1.02	-4.40	6.22 N	0.30
766.52	0.16	0.00	766.48	1.01	-4.40	6.22 N	0.60
767.54	0.18	0.00	767.50	1.02	-4.40	6.22 N	0.59
768.55	0.19	0.00	768.51	1.01	-4.40	6.23 N	0.30
769.57	0.19	0.00	769.53	1.02	-4.41	6.23 N	0.00
770.59	0.21	0.00	770.55	1.02	-4.41	6.23 N	0.59
771.60	0.21	0.00	771.56	1.01	-4.41	6.24 N	0.00
772.62	0.22	0.00	772.58	1.02	-4.41	6.24 N	0.30
773.63	0.23	0.00	773.59	1.01	-4.42	6.25 N	0.30
774.65	0.21	0.00	774.61	1.02	-4.42	6.25 N	0.59
775.67	0.21	0.00	775.63	1.02	-4.42	6.25 N	0.00
776.68	0.22	0.00	776.64	1.01	-4.42	6.26 N	0.30
777.70	0.22	0.00	777.66	1.02	-4.43	6.26 N	0.00

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
778.71	0.22	0.00	778.67	1.01	-4.43	6.27 N	0.00	
779.73	0.22	0.00	779.69	1.02	-4.43	6.27 N	0.00	
780.75	0.23	0.00	780.71	1.02	-4.44	6.27 N	0.29	
781.76	0.23	0.00	781.72	1.01	-4.44	6.28 N	0.00	
782.78	0.24	0.00	782.74	1.02	-4.44	6.28 N	0.30	
783.79	0.23	0.00	783.75	1.01	-4.44	6.29 N	0.30	
784.81	0.20	0.00	784.77	1.02	-4.45	6.29 N	0.88	
785.83	0.21	0.00	785.79	1.02	-4.45	6.29 N	0.29	
786.84	0.21	0.00	786.80	1.01	-4.45	6.30 N	0.00	
787.86	0.19	0.00	787.82	1.02	-4.46	6.30 N	0.59	
788.87	0.17	0.00	788.83	1.01	-4.46	6.30 N	0.59	
789.89	0.16	0.00	789.85	1.02	-4.46	6.31 N	0.29	
790.91	0.15	0.00	790.87	1.02	-4.46	6.31 N	0.30	
791.92	0.14	0.00	791.88	1.01	-4.46	6.31 N	0.30	
792.94	0.14	0.00	792.90	1.02	-4.46	6.31 N	0.00	
793.95	0.17	0.00	793.91	1.01	-4.47	6.32 N	0.89	
794.97	0.19	0.00	794.93	1.02	-4.47	6.32 N	0.59	

795.99	0.20	0.00	795.95	1.02	-4.47	6.32 N	0.30
797.00	0.20	0.00	796.96	1.01	-4.47	6.33 N	0.00
798.02	0.20	0.00	797.98	1.02	-4.48	6.33 N	0.00
799.03	0.20	0.00	798.99	1.01	-4.48	6.33 N	0.00
800.05	0.20	0.00	800.01	1.02	-4.48	6.34 N	0.00
801.07	0.20	0.00	801.03	1.02	-4.48	6.34 N	0.00
802.08	0.21	0.00	802.04	1.01	-4.49	6.35 N	0.30
803.10	0.21	0.00	803.06	1.02	-4.49	6.35 N	0.00
804.11	0.23	0.00	804.07	1.01	-4.49	6.35 N	0.59
805.13	0.24	0.00	805.09	1.02	-4.50	6.36 N	0.30
806.15	0.25	0.00	806.11	1.02	-4.50	6.36 N	0.29
807.16	0.24	0.00	807.12	1.01	-4.50	6.37 N	0.30
808.18	0.25	0.00	808.14	1.02	-4.50	6.37 N	0.29
809.19	0.27	0.00	809.15	1.01	-4.51	6.37 N	0.59
810.21	0.29	0.00	810.17	1.02	-4.51	6.38 N	0.59
811.23	0.31	0.00	811.19	1.02	-4.51	6.38 N	0.59
812.24	0.33	0.00	812.20	1.01	-4.52	6.39 N	0.59
813.26	0.34	0.00	813.22	1.02	-4.52	6.40 N	0.29
814.27	0.35	0.00	814.23	1.01	-4.53	6.40 N	0.30
815.29	0.36	0.00	815.25	1.02	-4.53	6.41 N	0.29
816.31	0.35	0.00	816.27	1.02	-4.54	6.42 N	0.29
817.32	0.34	0.00	817.28	1.01	-4.54	6.42 N	0.30
818.34	0.37	0.00	818.30	1.02	-4.55	6.43 N	0.88
819.35	0.36	0.00	819.31	1.01	-4.55	6.43 N	0.30
820.37	0.34	0.00	820.33	1.02	-4.55	6.44 N	0.59
821.39	0.31	0.00	821.35	1.02	-4.56	6.45 N	0.88
822.40	0.28	0.00	822.36	1.01	-4.56	6.45 N	0.89
823.42	0.28	0.00	823.38	1.02	-4.57	6.46 N	0.00
824.43	0.27	0.00	824.39	1.01	-4.57	6.46 N	0.30
825.45	0.26	0.00	825.41	1.02	-4.57	6.47 N	0.29
826.47	0.24	0.00	826.43	1.02	-4.58	6.47 N	0.59
827.48	0.23	0.00	827.44	1.01	-4.58	6.47 N	0.30
828.50	0.22	0.00	828.46	1.02	-4.58	6.48 N	0.29
829.51	0.24	0.00	829.47	1.01	-4.58	6.48 N	0.59
830.53	0.27	0.00	830.49	1.02	-4.59	6.49 N	0.88

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
831.55	0.28	0.00	831.51	1.02	-4.59	6.49 N	0.30	
832.56	0.30	0.00	832.52	1.01	-4.59	6.50 N	0.59	
833.58	0.30	0.00	833.54	1.02	-4.60	6.50 N	0.00	
834.59	0.28	0.00	834.55	1.01	-4.60	6.51 N	0.59	
835.61	0.32	0.00	835.57	1.02	-4.61	6.51 N	1.18	
836.63	0.33	0.00	836.59	1.02	-4.61	6.52 N	0.30	
837.64	0.34	0.00	837.60	1.01	-4.61	6.52 N	0.30	
838.66	0.34	0.00	838.62	1.02	-4.62	6.53 N	0.00	
839.67	0.30	0.00	839.63	1.01	-4.62	6.54 N	1.19	
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	0.25	0.00	850.81	1.02	-4.66	6.59 N	0.59	

850.85	0.26	0.00	850.81	1.02	-4.66	6.59 N	0.59
851.87	0.24	0.00	851.83	1.02	-4.66	6.59 N	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 (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
937.21	0.46	0.00	937.17	1.02	-5.07	7.17 N	0.29	
938.23	0.45	0.00	938.19	1.02	-5.08	7.18 N	0.30	
939.24	0.43	0.00	939.20	1.01	-5.08	7.19 N	0.59	
940.26	0.43	0.00	940.22	1.02	-5.09	7.19 N	0.00	
941.27	0.42	0.00	941.23	1.01	-5.09	7.20 N	0.30	
942.29	0.41	0.00	942.25	1.02	-5.10	7.21 N	0.29	
943.31	0.41	0.00	943.27	1.02	-5.10	7.22 N	0.00	
944.32	0.40	0.00	944.28	1.01	-5.11	7.22 N	0.30	
945.34	0.37	0.00	945.30	1.02	-5.11	7.23 N	0.88	
946.35	0.41	0.00	946.31	1.01	-5.12	7.24 N	1.19	
947.37	0.42	0.00	947.33	1.02	-5.12	7.24 N	0.29	
948.39	0.43	0.00	948.35	1.02	-5.13	7.25 N	0.30	
949.40	0.43	0.00	949.36	1.01	-5.13	7.26 N	0.00	
950.42	0.43	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	

1016.46	0.26	0.00	1016.42	1.02	-5.39	7.62 N	0.29
1017.47	0.25	0.00	1017.43	1.01	-5.39	7.63 N	0.30
1018.49	0.25	0.00	1018.45	1.02	-5.40	7.63 N	0.00
1019.51	0.24	0.00	1019.47	1.02	-5.40	7.64 N	0.29
1020.52	0.25	0.00	1020.48	1.01	-5.40	7.64 N	0.30
1021.54	0.25	0.00	1021.50	1.02	-5.41	7.65 N	0.00
1022.55	0.25	0.00	1022.51	1.01	-5.41	7.65 N	0.00
1023.57	0.25	0.00	1023.53	1.02	-5.41	7.65 N	0.00
1024.59	0.25	0.00	1024.55	1.02	-5.42	7.66 N	0.00
1025.60	0.24	0.00	1025.56	1.01	-5.42	7.66 N	0.30
1026.62	0.25	0.00	1026.58	1.02	-5.42	7.67 N	0.29
1027.63	0.23	0.00	1027.59	1.01	-5.42	7.67 N	0.59
1028.65	0.21	0.00	1028.61	1.02	-5.43	7.68 N	0.59
1029.67	0.24	0.00	1029.63	1.02	-5.43	7.68 N	0.88
1030.68	0.23	0.00	1030.64	1.01	-5.43	7.68 N	0.30
1031.70	0.23	0.00	1031.66	1.02	-5.44	7.69 N	0.00
1032.71	0.23	0.00	1032.67	1.01	-5.44	7.69 N	0.00
1033.73	0.22	0.00	1033.69	1.02	-5.44	7.70 N	0.29
1034.75	0.22	0.00	1034.71	1.02	-5.44	7.70 N	0.00
1035.76	0.21	0.00	1035.72	1.01	-5.45	7.70 N	0.30
1036.78	0.21	0.00	1036.74	1.02	-5.45	7.71 N	0.00
1037.79	0.20	0.00	1037.75	1.01	-5.45	7.71 N	0.30
1038.81	0.20	0.00	1038.77	1.02	-5.46	7.71 N	0.00
1039.83	0.17	0.00	1039.79	1.02	-5.46	7.72 N	0.88
1040.84	0.19	0.00	1040.80	1.01	-5.46	7.72 N	0.59
1041.86	0.20	0.00	1041.82	1.02	-5.46	7.72 N	0.30

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1042.87	0.20	0.00	1042.83	1.01	-5.46	7.73 N	0.00	
1043.89	0.20	0.00	1043.85	1.02	-5.47	7.73 N	0.00	
1044.91	0.20	0.00	1044.87	1.02	-5.47	7.74 N	0.00	
1045.92	0.20	0.00	1045.88	1.01	-5.47	7.74 N	0.00	
1046.94	0.19	0.00	1046.90	1.02	-5.47	7.74 N	0.30	
1047.95	0.18	0.00	1047.91	1.01	-5.48	7.75 N	0.30	
1048.97	0.17	0.00	1048.93	1.02	-5.48	7.75 N	0.30	
1049.99	0.18	0.00	1049.95	1.02	-5.48	7.75 N	0.30	
1051.00	0.19	0.00	1050.96	1.01	-5.48	7.75 N	0.30	
1052.02	0.20	0.00	1051.98	1.02	-5.49	7.76 N	0.30	
1053.03	0.20	0.00	1052.99	1.01	-5.49	7.76 N	0.00	
1054.05	0.21	0.00	1054.01	1.02	-5.49	7.77 N	0.29	
1055.07	0.21	0.00	1055.03	1.02	-5.49	7.77 N	0.00	
1056.08	0.22	0.00	1056.04	1.01	-5.50	7.77 N	0.30	
1057.10	0.22	0.00	1057.06	1.02	-5.50	7.78 N	0.00	
1058.11	0.21	0.00	1058.07	1.01	-5.50	7.78 N	0.30	
1059.13	0.21	0.00	1059.09	1.02	-5.50	7.78 N	0.00	
1060.15	0.22	0.00	1060.11	1.02	-5.51	7.79 N	0.30	
1061.16	0.23	0.00	1061.12	1.01	-5.51	7.79 N	0.30	
1062.18	0.23	0.00	1062.14	1.02	-5.51	7.80 N	0.00	
1063.19	0.23	0.00	1063.15	1.01	-5.52	7.80 N	0.00	
1064.21	0.23	0.00	1064.17	1.02	-5.52	7.80 N	0.00	
1065.23	0.24	0.00	1065.19	1.02	-5.52	7.81 N	0.30	
1066.24	0.26	0.00	1066.20	1.01	-5.52	7.81 N	0.59	
1067.26	0.27	0.00	1067.22	1.02	-5.53	7.82 N	0.29	
1068.27	0.27	0.00	1068.23	1.01	-5.53	7.82 N	0.00	
1069.29	0.29	0.00	1069.25	1.02	-5.53	7.83 N	0.59	
1070.31	0.29	0.00	1070.27	1.02	-5.54	7.83 N	0.00	
1071.32	0.29	0.00	1071.28	1.01	-5.54	7.84 N	0.00	

1072.34	0.30	0.00	1072.30	1.02	-5.55	7.84 N	0.30
1073.35	0.30	0.00	1073.31	1.01	-5.55	7.85 N	0.00
1074.37	0.30	0.00	1074.33	1.02	-5.55	7.85 N	0.00
1075.39	0.30	0.00	1075.35	1.02	-5.56	7.86 N	0.00
1076.40	0.30	0.00	1076.36	1.01	-5.56	7.86 N	0.00
1077.42	0.29	0.00	1077.38	1.02	-5.56	7.87 N	0.30
1078.43	0.28	0.00	1078.39	1.01	-5.57	7.87 N	0.30
1079.45	0.28	0.00	1079.41	1.02	-5.57	7.88 N	0.00
1080.47	0.29	0.00	1080.43	1.02	-5.58	7.88 N	0.29
1081.48	0.29	0.00	1081.44	1.01	-5.58	7.89 N	0.00
1082.50	0.28	0.00	1082.46	1.02	-5.58	7.89 N	0.29
1083.51	0.28	0.00	1083.47	1.01	-5.59	7.90 N	0.00
1084.53	0.28	0.00	1084.49	1.02	-5.59	7.90 N	0.00
1085.55	0.27	0.00	1085.51	1.02	-5.59	7.91 N	0.30
1086.56	0.27	0.00	1086.52	1.01	-5.60	7.91 N	0.00
1087.58	0.27	0.00	1087.54	1.02	-5.60	7.92 N	0.00
1088.59	0.28	0.00	1088.55	1.01	-5.60	7.92 N	0.30
1089.61	0.28	0.00	1089.57	1.02	-5.61	7.93 N	0.00
1090.63	0.29	0.00	1090.59	1.02	-5.61	7.93 N	0.29
1091.64	0.30	0.00	1091.60	1.01	-5.61	7.94 N	0.30
1092.66	0.31	0.00	1092.62	1.02	-5.62	7.94 N	0.30
1093.67	0.31	0.00	1093.63	1.01	-5.62	7.95 N	0.00
1094.69	0.32	0.00	1094.65	1.02	-5.63	7.96 N	0.29

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination  (deg)	Azimuth  (deg)	TVD  (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp  (deg C)
1095.71	0.32	0.00	1095.67	1.02	-5.63	7.96 N	0.00	
1096.72	0.32	0.00	1096.68	1.01	-5.63	7.97 N	0.00	
1097.74	0.31	0.00	1097.70	1.02	-5.64	7.97 N	0.29	
1098.75	0.31	0.00	1098.71	1.01	-5.64	7.98 N	0.00	
1099.77	0.32	0.00	1099.73	1.02	-5.65	7.98 N	0.29	
1100.79	0.33	0.00	1100.75	1.02	-5.65	7.99 N	0.30	
1101.80	0.34	0.00	1101.76	1.01	-5.65	8.00 N	0.30	
1102.82	0.35	0.00	1102.78	1.02	-5.66	8.00 N	0.30	
1103.83	0.36	0.00	1103.79	1.01	-5.66	8.01 N	0.30	
1104.85	0.37	0.00	1104.81	1.02	-5.67	8.01 N	0.30	
1105.87	0.39	0.00	1105.83	1.02	-5.67	8.02 N	0.59	
1106.88	0.41	0.00	1106.84	1.01	-5.68	8.03 N	0.59	
1107.90	0.43	0.00	1107.86	1.02	-5.68	8.04 N	0.59	
1108.91	0.44	0.00	1108.87	1.01	-5.69	8.04 N	0.30	
1109.93	0.44	0.00	1109.89	1.02	-5.69	8.05 N	0.00	
1110.95	0.44	0.00	1110.91	1.02	-5.70	8.06 N	0.00	
1111.96	0.45	0.00	1111.92	1.01	-5.70	8.07 N	0.30	
1112.98	0.44	0.00	1112.94	1.02	-5.71	8.07 N	0.30	
1113.99	0.44	0.00	1113.95	1.01	-5.72	8.08 N	0.00	
1115.01	0.45	0.00	1114.97	1.02	-5.72	8.09 N	0.30	
1116.03	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	-6.32	8.95 N	0.00	

1182.07	0.99	0.00	1182.02	1.02	-6.33	8.95 N	0.00
1183.08	0.98	0.00	1183.03	1.01	-6.34	8.96 N	0.30
1184.10	0.97	0.00	1184.05	1.02	-6.35	8.98 N	0.29
1185.11	0.96	0.00	1185.06	1.01	-6.36	9.00 N	0.30
1186.13	0.93	0.00	1186.08	1.02	-6.37	9.01 N	0.88
1187.15	0.92	0.00	1187.10	1.02	-6.39	9.03 N	0.30
1188.16	0.92	0.00	1188.11	1.01	-6.40	9.05 N	0.00
1189.18	0.92	0.00	1189.13	1.02	-6.41	9.06 N	0.00
1190.19	0.91	0.00	1190.14	1.01	-6.42	9.08 N	0.30
1191.21	0.89	0.00	1191.16	1.02	-6.43	9.10 N	0.59
1192.23	0.89	0.00	1192.18	1.02	-6.44	9.11 N	0.00
1193.24	0.88	0.00	1193.19	1.01	-6.45	9.13 N	0.30
1194.26	0.89	0.00	1194.21	1.02	-6.46	9.14 N	0.29
1195.27	0.90	0.00	1195.22	1.01	-6.48	9.16 N	0.30
1196.29	0.90	0.00	1196.24	1.02	-6.49	9.17 N	0.00
1197.31	0.90	0.00	1197.26	1.02	-6.50	9.19 N	0.00
1198.32	0.91	0.00	1198.27	1.01	-6.51	9.21 N	0.30
1199.34	0.91	0.00	1199.29	1.02	-6.52	9.22 N	0.00
1200.35	0.91	0.00	1200.30	1.01	-6.53	9.24 N	0.00

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1201.37	0.91	0.00	1201.32	1.02	-6.54	9.25 N	0.00	
1202.39	0.90	0.00	1202.34	1.02	-6.56	9.27 N	0.29	
1203.40	0.89	0.00	1203.35	1.01	-6.57	9.29 N	0.30	
1204.42	0.88	0.00	1204.37	1.02	-6.58	9.30 N	0.29	
1205.43	0.86	0.00	1205.38	1.01	-6.59	9.32 N	0.59	
1206.45	0.85	0.00	1206.40	1.02	-6.60	9.33 N	0.30	
1207.47	0.83	0.00	1207.42	1.02	-6.61	9.35 N	0.59	
1208.48	0.81	0.00	1208.43	1.01	-6.62	9.36 N	0.59	
1209.50	0.80	0.00	1209.45	1.02	-6.63	9.38 N	0.29	
1210.51	0.78	0.00	1210.46	1.01	-6.64	9.39 N	0.59	
1211.53	0.76	0.00	1211.48	1.02	-6.65	9.40 N	0.59	
1212.55	0.74	0.00	1212.50	1.02	-6.66	9.42 N	0.59	
1213.56	0.71	0.00	1213.51	1.01	-6.67	9.43 N	0.89	
1214.58	0.69	0.00	1214.53	1.02	-6.68	9.44 N	0.59	
1215.59	0.68	0.00	1215.54	1.01	-6.69	9.45 N	0.30	
1216.61	0.66	0.00	1216.56	1.02	-6.69	9.47 N	0.59	
1217.63	0.59	0.00	1217.58	1.02	-6.70	9.48 N	2.06	
1218.64	0.60	0.00	1218.59	1.01	-6.71	9.49 N	0.30	
1219.66	0.63	0.00	1219.61	1.02	-6.72	9.50 N	0.88	
1220.67	0.62	0.00	1220.62	1.01	-6.72	9.51 N	0.30	
1221.69	0.62	0.00	1221.64	1.02	-6.73	9.52 N	0.00	
1222.71	0.61	0.00	1222.66	1.02	-6.74	9.53 N	0.29	
1223.72	0.62	0.00	1223.67	1.01	-6.75	9.54 N	0.30	
1224.74	0.60	0.00	1224.69	1.02	-6.76	9.55 N	0.59	
1225.75	0.59	0.00	1225.70	1.01	-6.76	9.56 N	0.30	
1226.77	0.59	0.00	1226.72	1.02	-6.77	9.57 N	0.00	
1227.79	0.57	0.00	1227.74	1.02	-6.78	9.59 N	0.59	
1228.80	0.54	0.00	1228.75	1.01	-6.78	9.60 N	0.89	
1229.82	0.41	0.00	1229.77	1.02	-6.79	9.60 N	3.82	
1230.83	0.49	0.00	1230.77	1.01	-6.80	9.61 N	2.38	
1231.85	0.49	0.00	1231.79	1.02	-6.80	9.62 N	0.00	
1232.87	0.49	0.00	1232.81	1.02	-6.81	9.63 N	0.00	
1233.88	0.47	0.00	1233.82	1.01	-6.81	9.64 N	0.59	
1234.90	0.46	0.00	1234.84	1.02	-6.82	9.65 N	0.29	
1235.91	0.45	0.00	1235.85	1.01	-6.83	9.65 N	0.30	
1236.93	0.44	0.00	1236.87	1.02	-6.83	9.66 N	0.30	

1237.95	0.42	0.00	1237.89	1.02	-6.84	9.67 N	0.59
1238.96	0.41	0.00	1238.90	1.01	-6.84	9.68 N	0.30
1239.98	0.39	0.00	1239.92	1.02	-6.85	9.68 N	0.59
1240.99	0.37	0.00	1240.93	1.01	-6.85	9.69 N	0.59
1242.01	0.36	0.00	1241.95	1.02	-6.86	9.70 N	0.30
1243.03	0.35	0.00	1242.97	1.02	-6.86	9.70 N	0.29
1244.04	0.35	0.00	1243.98	1.01	-6.87	9.71 N	0.00
1245.06	0.36	0.00	1245.00	1.02	-6.87	9.72 N	0.29
1246.07	0.35	0.00	1246.01	1.01	-6.87	9.72 N	0.30
1247.09	0.35	0.00	1247.03	1.02	-6.88	9.73 N	0.00
1248.11	0.33	0.00	1248.05	1.02	-6.88	9.73 N	0.59
1249.12	0.32	0.00	1249.06	1.01	-6.89	9.74 N	0.30
1250.14	0.32	0.00	1250.08	1.02	-6.89	9.75 N	0.00
1251.15	0.31	0.00	1251.09	1.01	-6.90	9.75 N	0.30
1252.17	0.31	0.00	1252.11	1.02	-6.90	9.76 N	0.00
1253.19	0.32	0.00	1253.13	1.02	-6.90	9.76 N	0.29

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1254.20	0.31	0.00	1254.14	1.01	-6.91	9.77 N	0.30	
1255.22	0.32	0.00	1255.16	1.02	-6.91	9.77 N	0.29	
1256.23	0.33	0.00	1256.17	1.01	-6.91	9.78 N	0.30	
1257.25	0.33	0.00	1257.19	1.02	-6.92	9.79 N	0.00	
1258.27	0.34	0.00	1258.21	1.02	-6.92	9.79 N	0.29	
1259.28	0.35	0.00	1259.22	1.01	-6.93	9.80 N	0.30	
1260.30	0.35	0.00	1260.24	1.02	-6.93	9.80 N	0.00	
1261.31	0.35	0.00	1261.25	1.01	-6.94	9.81 N	0.00	
1262.33	0.35	0.00	1262.27	1.02	-6.94	9.82 N	0.00	
1263.35	0.34	0.00	1263.29	1.02	-6.95	9.82 N	0.30	
1264.36	0.34	0.00	1264.30	1.01	-6.95	9.83 N	0.00	
1265.38	0.33	0.00	1265.32	1.02	-6.95	9.83 N	0.29	
1266.39	0.32	0.00	1266.33	1.01	-6.96	9.84 N	0.30	
1267.41	0.33	0.00	1267.35	1.02	-6.96	9.85 N	0.30	
1268.43	0.33	0.00	1268.37	1.02	-6.97	9.85 N	0.00	
1269.44	0.32	0.00	1269.38	1.01	-6.97	9.86 N	0.30	
1270.46	0.32	0.00	1270.40	1.02	-6.97	9.86 N	0.00	
1271.47	0.31	0.00	1271.41	1.01	-6.98	9.87 N	0.30	
1272.49	0.31	0.00	1272.43	1.02	-6.98	9.87 N	0.00	
1273.51	0.30	0.00	1273.45	1.02	-6.99	9.88 N	0.30	
1274.52	0.28	0.00	1274.46	1.01	-6.99	9.88 N	0.59	
1275.54	0.27	0.00	1275.48	1.02	-6.99	9.89 N	0.30	
1276.55	0.26	0.00	1276.49	1.01	-7.00	9.89 N	0.30	
1277.57	0.25	0.00	1277.51	1.02	-7.00	9.90 N	0.30	
1278.59	0.26	0.00	1278.53	1.02	-7.00	9.90 N	0.30	
1279.60	0.25	0.00	1279.54	1.01	-7.01	9.91 N	0.30	
1280.62	0.24	0.00	1280.56	1.02	-7.01	9.91 N	0.29	
1281.63	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	



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	10.38 N	0.75	

1512.27	0.13	55.88	1512.21	1.02	-7.42	10.39 N	0.75
1513.28	0.15	55.81	1513.22	1.01	-7.42	10.39 N	0.67
1514.30	0.12	57.00	1514.24	1.02	-7.42	10.39 N	0.89
1515.31	0.09	64.84	1515.25	1.01	-7.42	10.39 N	0.98
1516.33	0.13	66.54	1516.27	1.02	-7.42	10.39 N	1.18

Survey Report

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

Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1517.35	0.17	76.67	1517.29	1.02	-7.42	10.39 N	1.41	
1518.36	0.18	83.60	1518.30	1.01	-7.42	10.39 N	0.69	
1519.38	0.19	94.43	1519.32	1.02	-7.41	10.39 N	1.07	
1520.39	0.19	93.03	1520.33	1.01	-7.41	10.39 N	0.14	
1521.41	0.18	74.89	1521.35	1.02	-7.41	10.39 N	1.74	
1522.43	0.19	60.42	1522.37	1.02	-7.41	10.39 N	1.40	
1523.44	0.20	51.19	1523.38	1.01	-7.41	10.39 N	0.98	
1524.46	0.20	49.09	1524.40	1.02	-7.41	10.40 N	0.21	
1525.47	0.23	61.32	1525.41	1.01	-7.41	10.40 N	1.62	
1526.49	0.25	66.44	1526.43	1.02	-7.40	10.40 N	0.86	
1527.51	0.26	57.45	1527.45	1.02	-7.40	10.40 N	1.21	
1528.52	0.30	55.24	1528.46	1.01	-7.40	10.41 N	1.23	
1529.54	0.33	57.70	1529.48	1.02	-7.40	10.41 N	0.97	
1530.55	0.36	60.79	1530.49	1.01	-7.40	10.41 N	1.05	
1531.57	0.37	66.26	1531.51	1.02	-7.40	10.41 N	1.07	
1532.59	0.36	73.58	1532.53	1.02	-7.40	10.42 N	1.40	
1533.60	0.37	81.40	1533.54	1.01	-7.39	10.42 N	1.51	
1534.62	0.38	83.98	1534.56	1.02	-7.39	10.42 N	0.58	
1535.63	0.36	78.62	1535.57	1.01	-7.38	10.42 N	1.19	
1536.65	0.36	77.11	1536.59	1.02	-7.38	10.42 N	0.28	
1537.67	0.36	75.91	1537.61	1.02	-7.38	10.42 N	0.22	
1538.68	0.32	77.11	1538.62	1.01	-7.37	10.42 N	1.21	
1539.70	0.30	78.53	1539.64	1.02	-7.37	10.43 N	0.63	
1540.71	0.29	79.48	1540.65	1.01	-7.37	10.43 N	0.33	
1541.73	0.28	77.38	1541.67	1.02	-7.37	10.43 N	0.42	
1542.75	0.30	75.93	1542.69	1.02	-7.36	10.43 N	0.63	
1543.76	0.32	71.66	1543.70	1.01	-7.36	10.43 N	0.91	
1544.78	0.33	69.71	1544.72	1.02	-7.36	10.43 N	0.44	
1545.79	0.35	70.96	1545.73	1.01	-7.35	10.43 N	0.63	
1546.81	0.37	65.11	1546.75	1.02	-7.35	10.44 N	1.23	
1547.83	0.39	59.42	1547.77	1.02	-7.35	10.44 N	1.25	
1548.84	0.43	56.97	1548.78	1.01	-7.35	10.44 N	1.30	
1549.86	0.39	57.10	1549.80	1.02	-7.35	10.45 N	1.18	
1550.87	0.37	56.65	1550.81	1.01	-7.35	10.45 N	0.60	
1551.89	0.37	60.33	1551.83	1.02	-7.34	10.45 N	0.70	
1552.91	0.34	61.40	1552.85	1.02	-7.34	10.46 N	0.90	
1553.92	0.31	57.77	1553.86	1.01	-7.34	10.46 N	1.08	
1554.94	0.30	56.16	1554.88	1.02	-7.34	10.46 N	0.39	
1555.95	0.28	56.99	1555.89	1.01	-7.34	10.47 N	0.61	
1556.97	0.25	61.62	1556.91	1.02	-7.34	10.47 N	1.08	
1557.99	0.23	63.88	1557.93	1.02	-7.34	10.47 N	0.65	
1559.00	0.25	64.63	1558.94	1.01	-7.33	10.47 N	0.60	
1560.02	0.29	62.74	1559.96	1.02	-7.33	10.47 N	1.20	
1561.03	0.30	66.00	1560.97	1.01	-7.33	10.48 N	0.58	
1562.05	0.25	65.78	1561.99	1.02	-7.33	10.48 N	1.47	
1563.07	0.26	65.77	1563.01	1.02	-7.33	10.48 N	0.30	
1564.08	0.29	69.96	1564.02	1.01	-7.33	10.48 N	1.07	
1565.10	0.29	73.77	1565.04	1.02	-7.32	10.48 N	0.57	
1566.11	0.27	74.70	1566.05	1.01	-7.32	10.49 N	0.61	
1567.13	0.25	80.17	1567.07	1.02	-7.32	10.49 N	0.94	

1568.15	0.21	93.41	1568.09	1.02	-7.32	10.49 N	1.95
1569.16	0.16	110.45	1569.10	1.01	-7.31	10.49 N	2.19

Survey Report

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

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

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

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

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

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

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

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

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
2937.20	88.99	133.26	2450.99	13.20	716.25	501.32 S	0.61	92.56

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

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
3622.20	93.83	140.56	2440.19	13.10	1400.78	988.12 S	2.77	104.61
3635.40	96.20	138.92	2439.03	13.20	1413.88	998.15 S	6.54	102.60
3648.60	96.64	136.20	2437.56	13.20	1426.98	1007.83 S	6.22	104.61
3661.80	96.64	133.39	2436.03	13.20	1440.09	1017.07 S	6.34	104.61

3601.80	90.04	133.53	2430.03	13.20	1440.09	1017.07 S	0.34	104.01
3674.90	96.46	130.50	2434.53	13.10	1453.09	1025.77 S	6.59	104.61
3688.00	95.41	127.97	2433.18	13.10	1466.05	1034.01 S	6.24	104.61
3701.10	93.91	126.24	2432.12	13.10	1478.98	1041.88 S	5.23	104.61
3714.20	92.77	127.22	2431.35	13.10	1491.93	1049.70 S	3.44	104.61
3727.40	91.89	127.50	2430.82	13.20	1505.00	1057.71 S	2.10	104.61
3740.50	91.98	127.20	2430.37	13.10	1517.97	1065.65 S	0.72	104.61
3753.70	91.89	127.09	2429.93	13.20	1531.04	1073.62 S	0.32	106.61
3766.80	92.15	126.45	2429.47	13.10	1544.00	1081.45 S	1.58	106.61
3779.90	92.07	126.47	2428.98	13.10	1556.94	1089.23 S	0.19	106.61
3793.20	92.07	126.21	2428.50	13.30	1570.08	1097.11 S	0.59	104.61
3808.00	92.07	126.21	2427.97	14.80	1584.70	1105.85 S	0.00	106.60

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

BOTTOM HOLE ASSEMBLY RECORD								
RUN 5		m						
6 3/4 PDC BIT		0.19						
4 3/4" PD RSS		4.46						
4 3/4" FLOAT SUB		0.94						
4 3/4" DPM		1.40						
4 3/4" PP X/OVER		0.98						
4 3/4" SGS NMDC		8.15						
4 3/4" SAWR		6.24						
4 3/4" ABS		4.70						
4 3/4" NMDC		9.34						
4 3/4" FILTER		0.92						

4 3/4" X/OVER	0.61						
123 X 4" DP'S	1622.56						
10 X 4" HWDP	131.02						
4 3/4" X/OVER	0.73						
HYDRA JAR	9.19						
4 3/4: X/OVER	0.66						
10 X 4" HWDP	131.04						
=====							
TOTAL BHA LENGTH	1933.13						
=====							
DIRECTIONAL	10.89						
SPECTRAL GR	8.73						
PRESSURE	6.66						
RESISTIVITY	19.30						
AWR GAMMA	17.26						



A Schlumberger Company

GAMMA-RAY  
AZIMUTHAL DENSITY  
MEMORY LOG

1 : 500  
METERS MD