



A Schlumberger Company

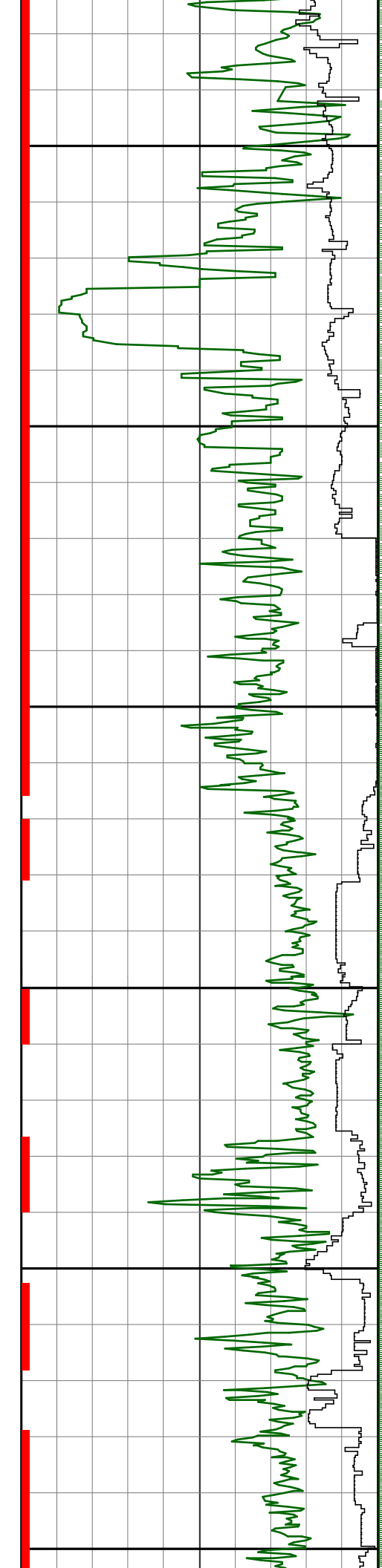
GAMMA-RAY
RESISTIVITY
MEMORY LOG

1 : 500
METERS MD

COMPANY : ORIGIN ENERGY LTD									
WELL : AMUNGEE NW-1H									
FIELD : BEETALOO NORTH									
COUNTY :									
STATE : NT									
COUNTRY : AUSTRALIA									
API No.:									
DEPTH REF. : ROTARY TABLE					WELL LOCATION				
ELEVATION : 5.35 m (ROTARY TABLE - GROUND LEVEL)					LAT : 16° 20' 51.034" S				
ALTITUDE : 260.562 m (GROUND LEVEL - MEAN SEA LEVEL)					LONG: 133° 53' 4.403" E				
					SEC: TWP: RANGE:				
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



1900

1950

2000

REMARK #2

S 3.2 114.6
1845 1933.2

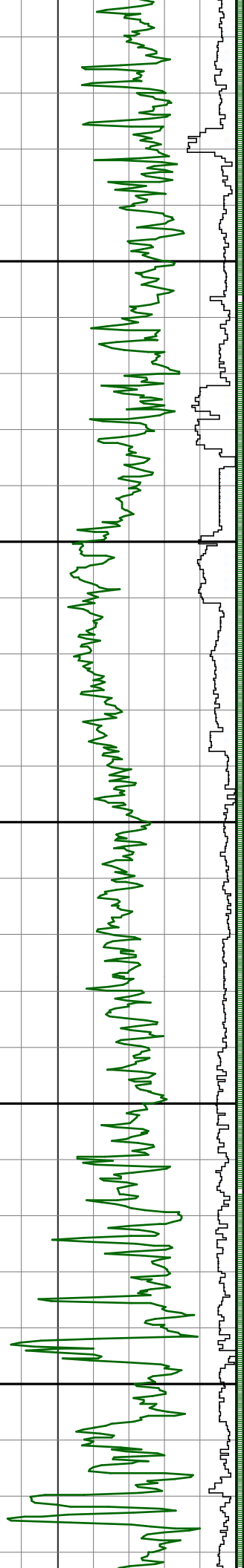
S 4.7 118.7
1846 1946.4

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



2050

2100

9.6 128.2
1851 2012.0

11.7 130.6
1852 2024.9

13.0 131.4
1853 2037.8

13.1 134.0
1854 2050.8

14.0 136.9
1855 2063.6

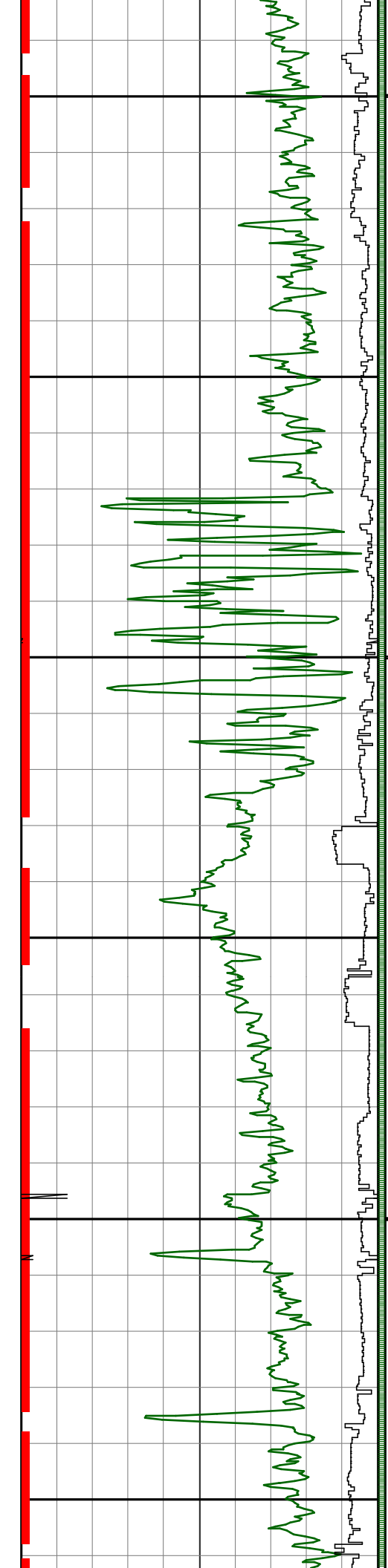
15.4 134.7
1856 2076.4

17.5 132.3
1857 2089.0

19.8 130.0
1858 2101.6

21.6 130.8
1859 2113.9

23.6 131.8
1860 2126.1



2150

2200

2250

S 24.9 132.8
1861 2138.1

S 25.9 134.3
1862 2150.0

S 26.8 135.6
1863 2162.0

S 28.5 135.3
1864 2173.7

S 31.5 134.3
1865 2185.1

S 34.5 133.9
1866 2196.2

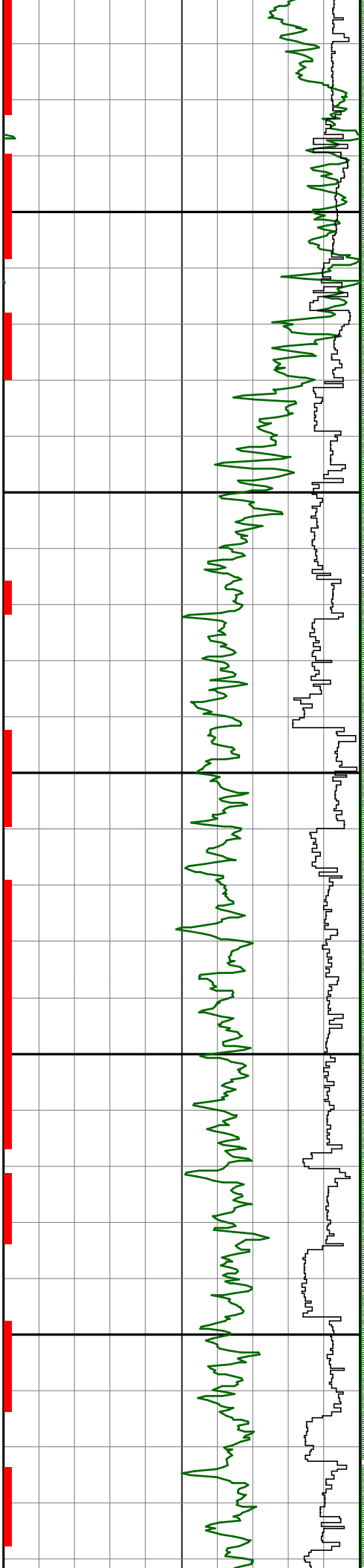
S 34.9 133.4
1867 2207.0

S 35.3 134.5
1868 2217.8

S 38.0 136.4
1869 2228.4

S 40.6 136.7
1870 2238.6

S 42.9 135.8
1871 2248.5



2300

2350

2400

S 45.9 135.0
1872 2257.9

S 48.0 135.0
1873 2266.9

S 49.1 134.7
1874 2275.6

S 48.5 135.1
1875 2284.3

S 47.4 135.5
1876 2293.2

S 48.1 135.6
1877 2302.0

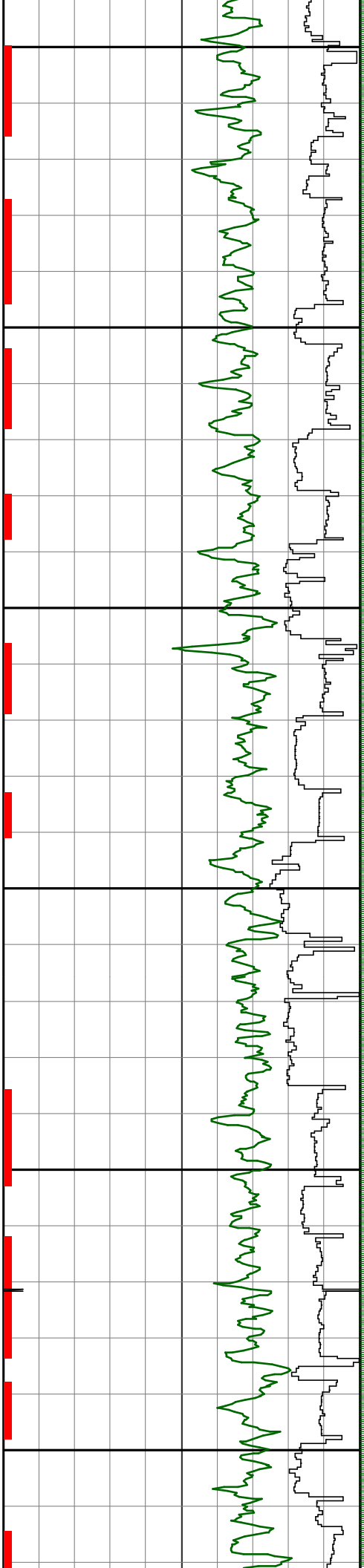
S 50.6 135.7
1878 2310.6

S 53.5 135.2
1879 2318.8

S 54.3 134.6
1880 2326.5

S 55.3 134.2
1881 2334.1

S 55.3 133.6
1882 2342.8



2450

2500

2550

S 55.9 133.9
1882 2341.6

S 57.4 134.0
1883 2348.8

S 59.9 135.1
1884 2355.7

S 61.7 136.0
1885 2362.1

S 61.8 136.1
1886 2368.4

S 63.2 137.2
1887 2374.5

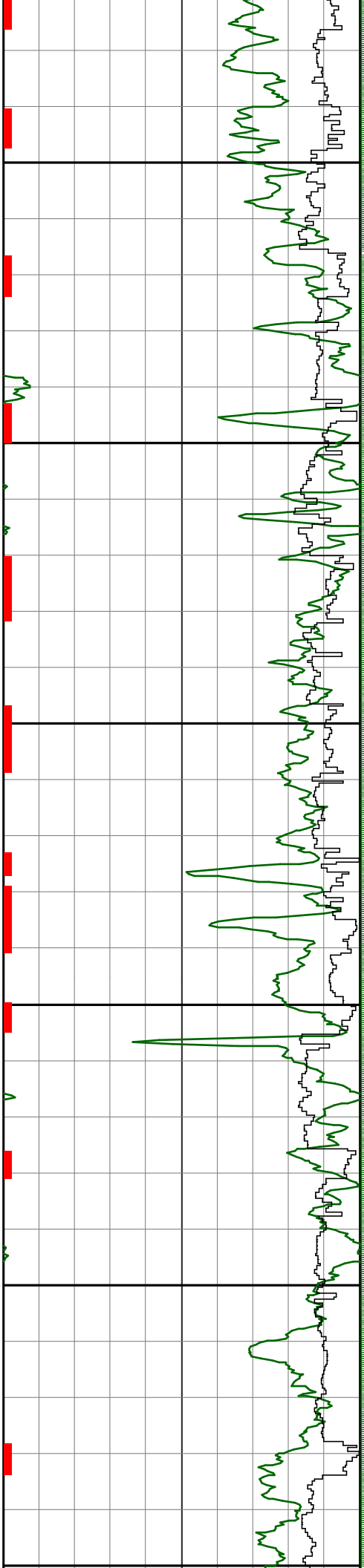
S 63.8 137.0
1888 2380.4

S 62.9 137.0
1889 2386.3

S 64.5 136.3
1890 2392.2

S 67.2 136.2
1891 2397.6

S 69.1 136.2
1892 2402.5



2600

2650

2700

S 70.8 136.5
1893 2407.0

S 71.3 136.6
1894 2411.3

S 71.5 135.9
1895 2415.5

S 73.0 136.9
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S 74.7 136.6
1897 2423.2

S 76.9 136.4
1898 2426.4

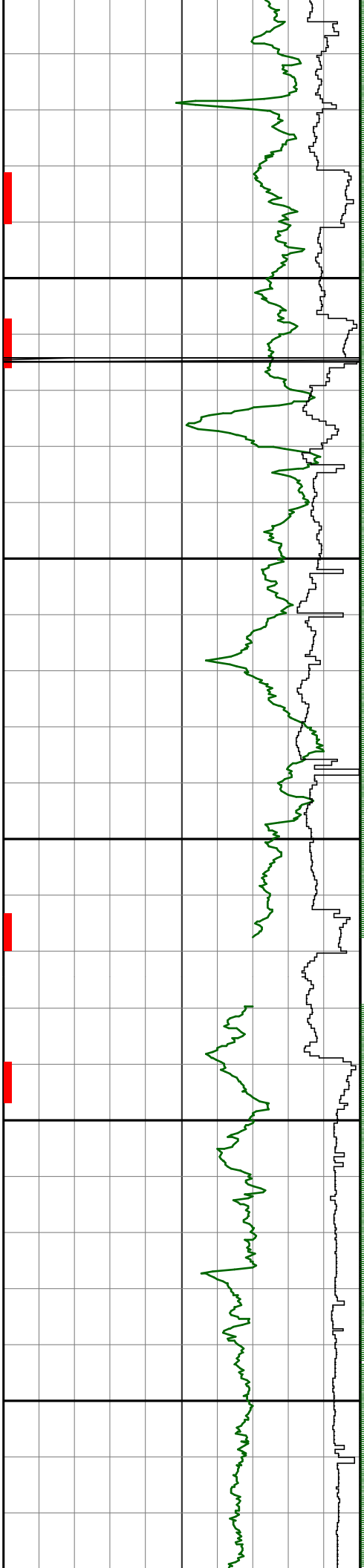
S 78.8 136.6
1899 2429.2

S 79.8 136.9
1900 2431.6

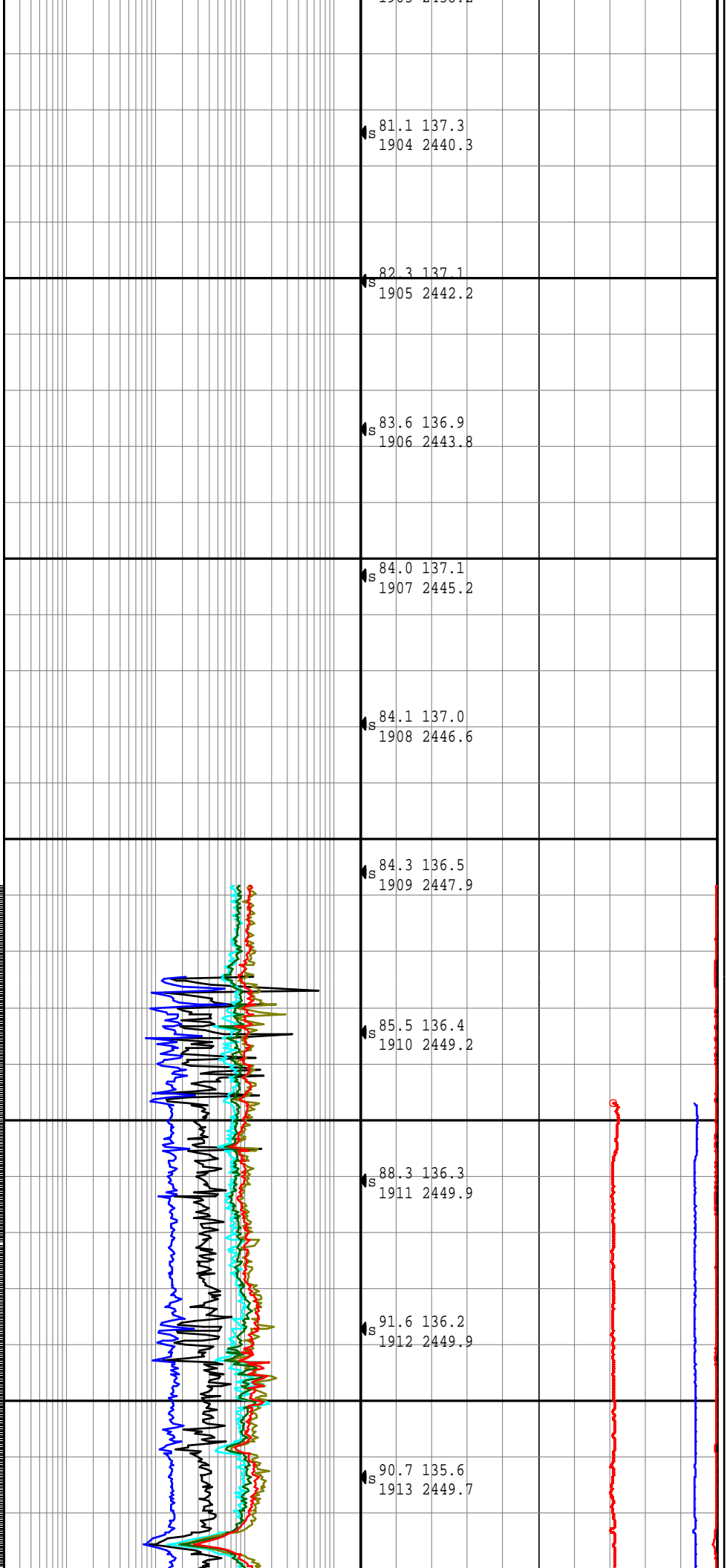
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1901 2433.9

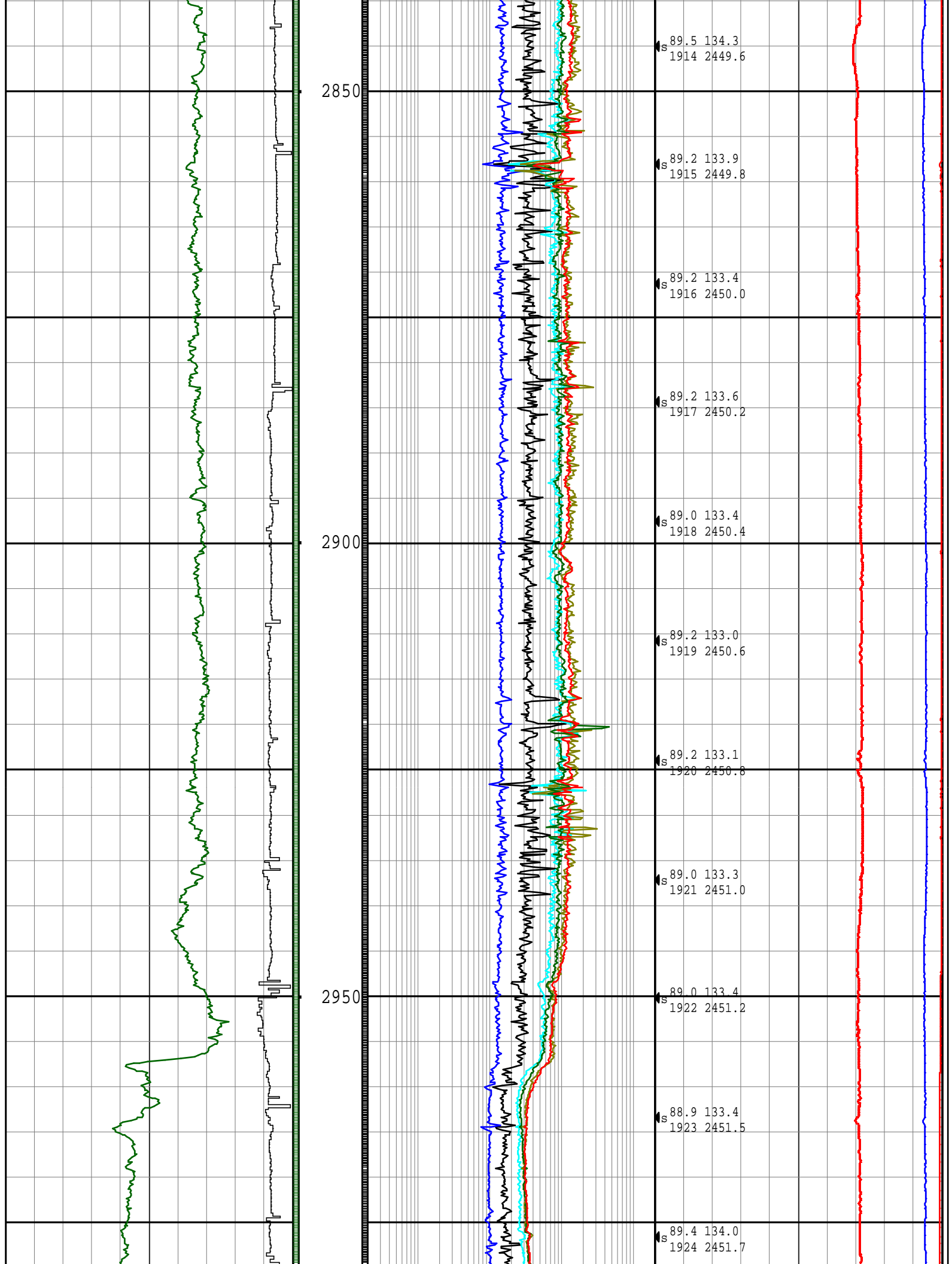
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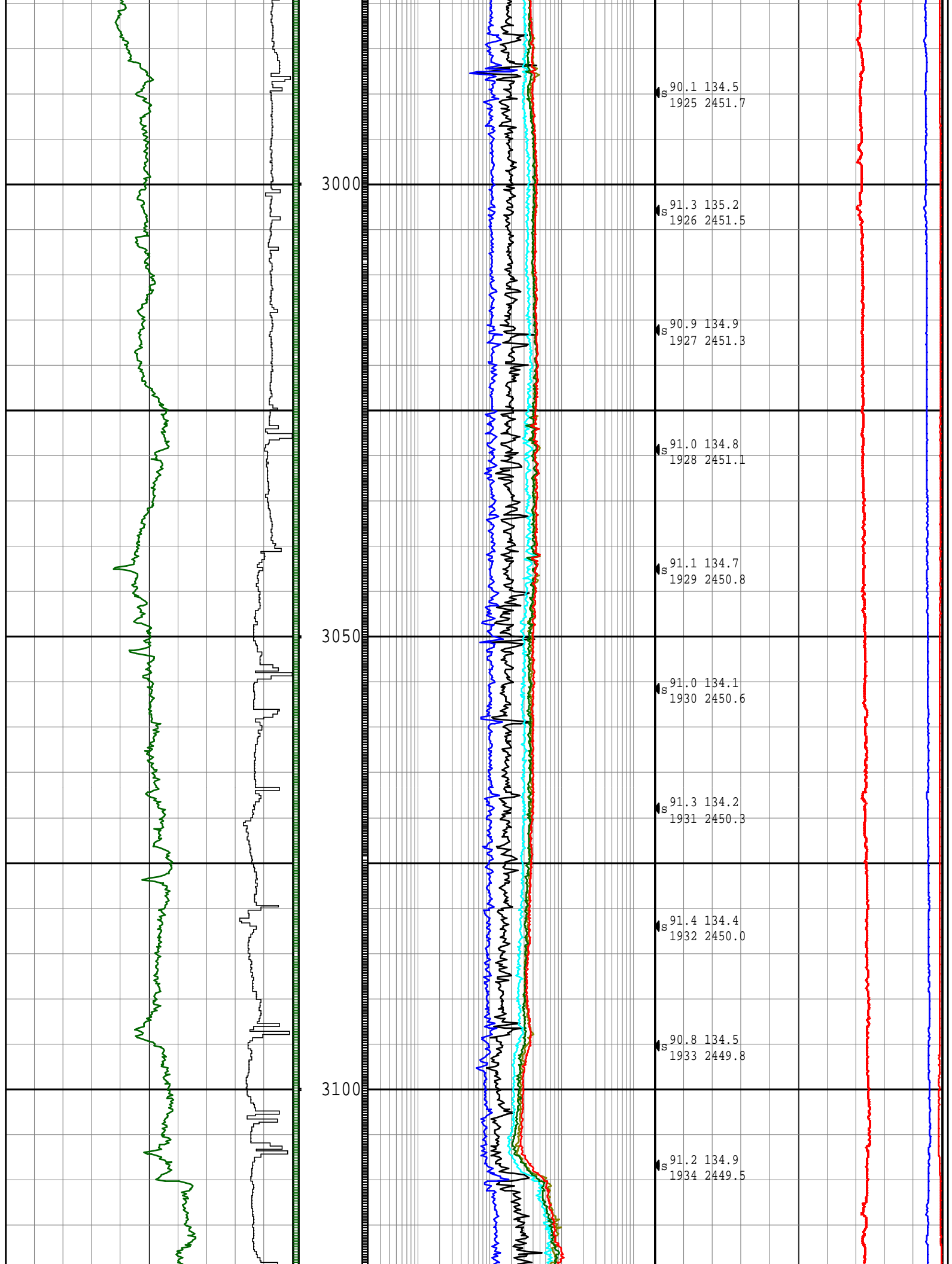
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1903 2438.2

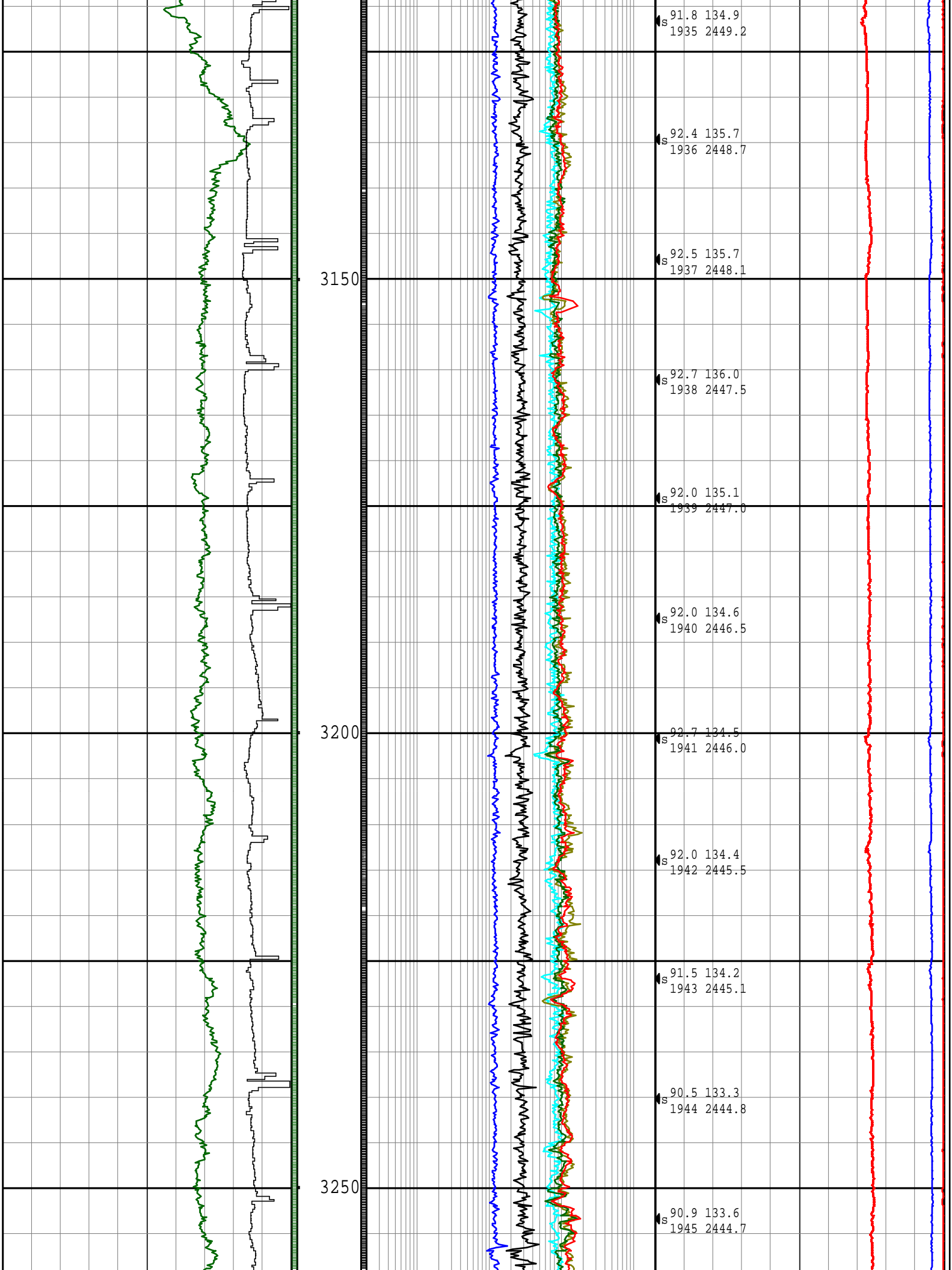


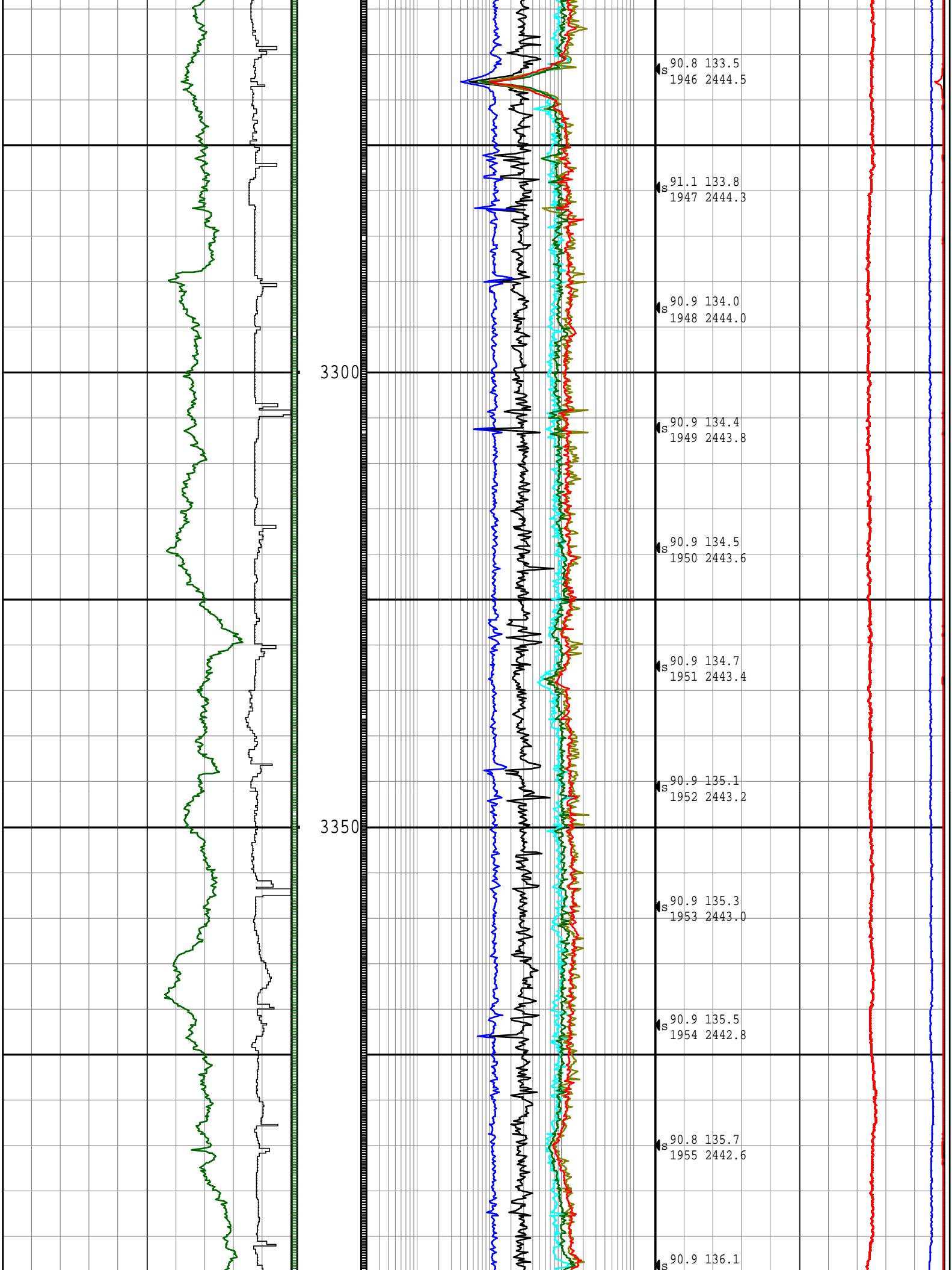
2700
2750
2800

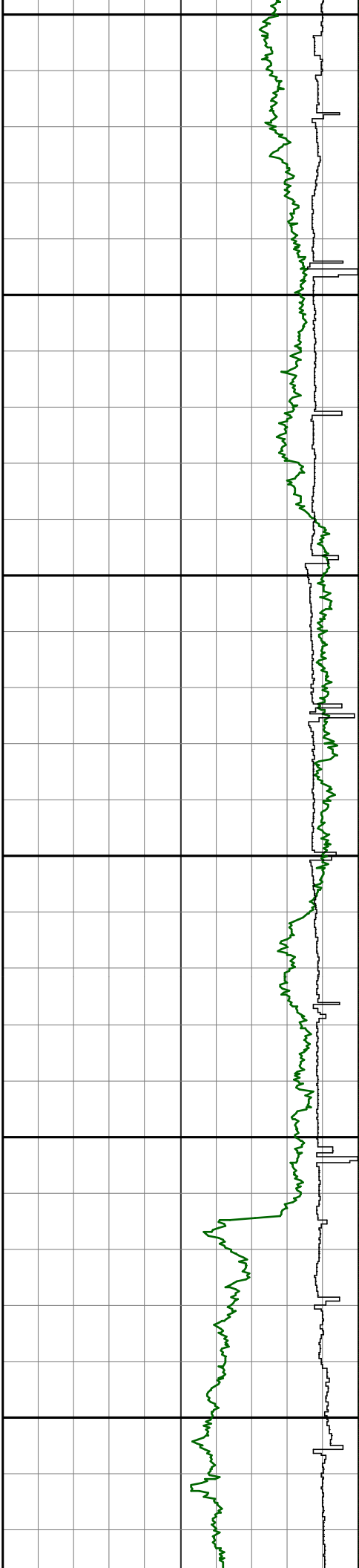








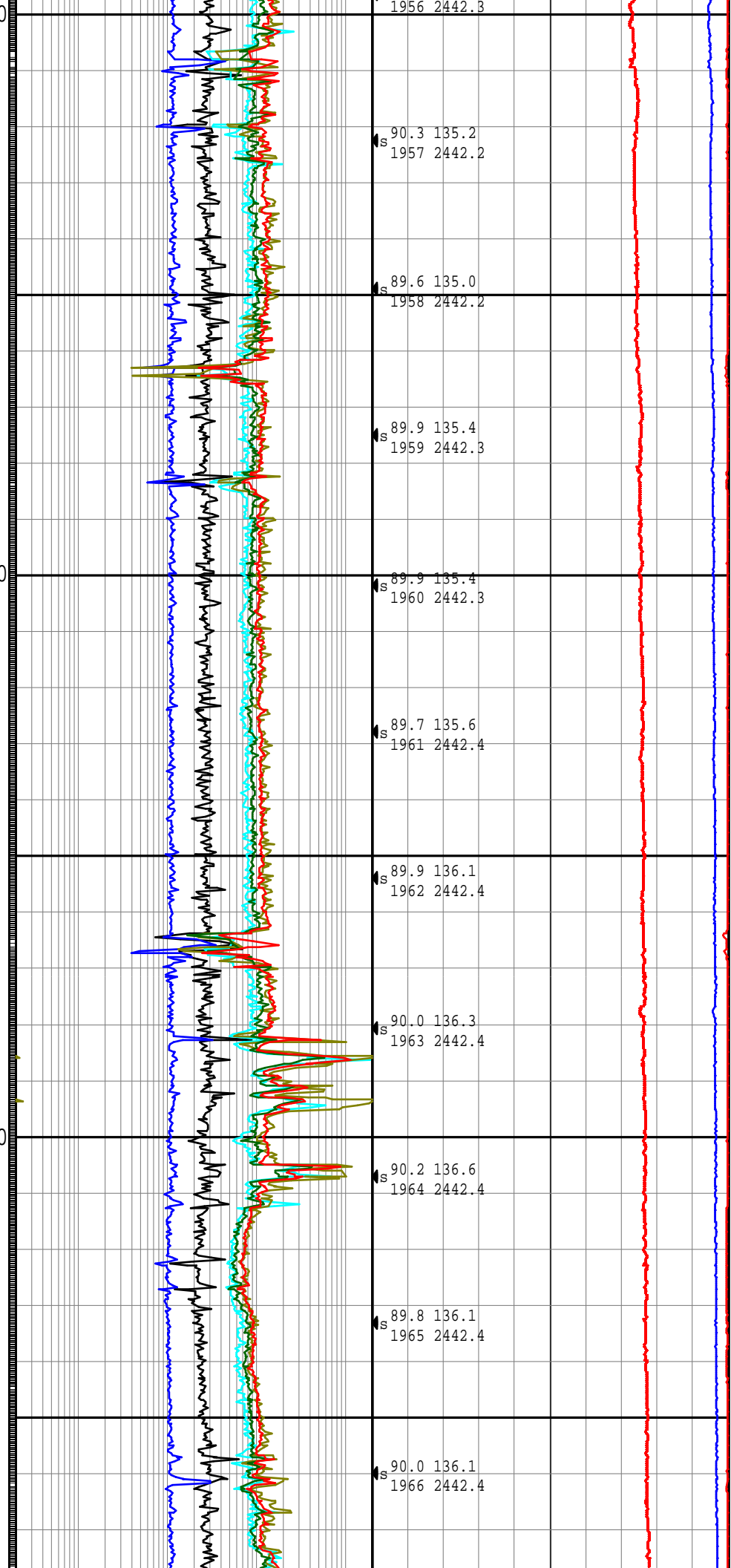


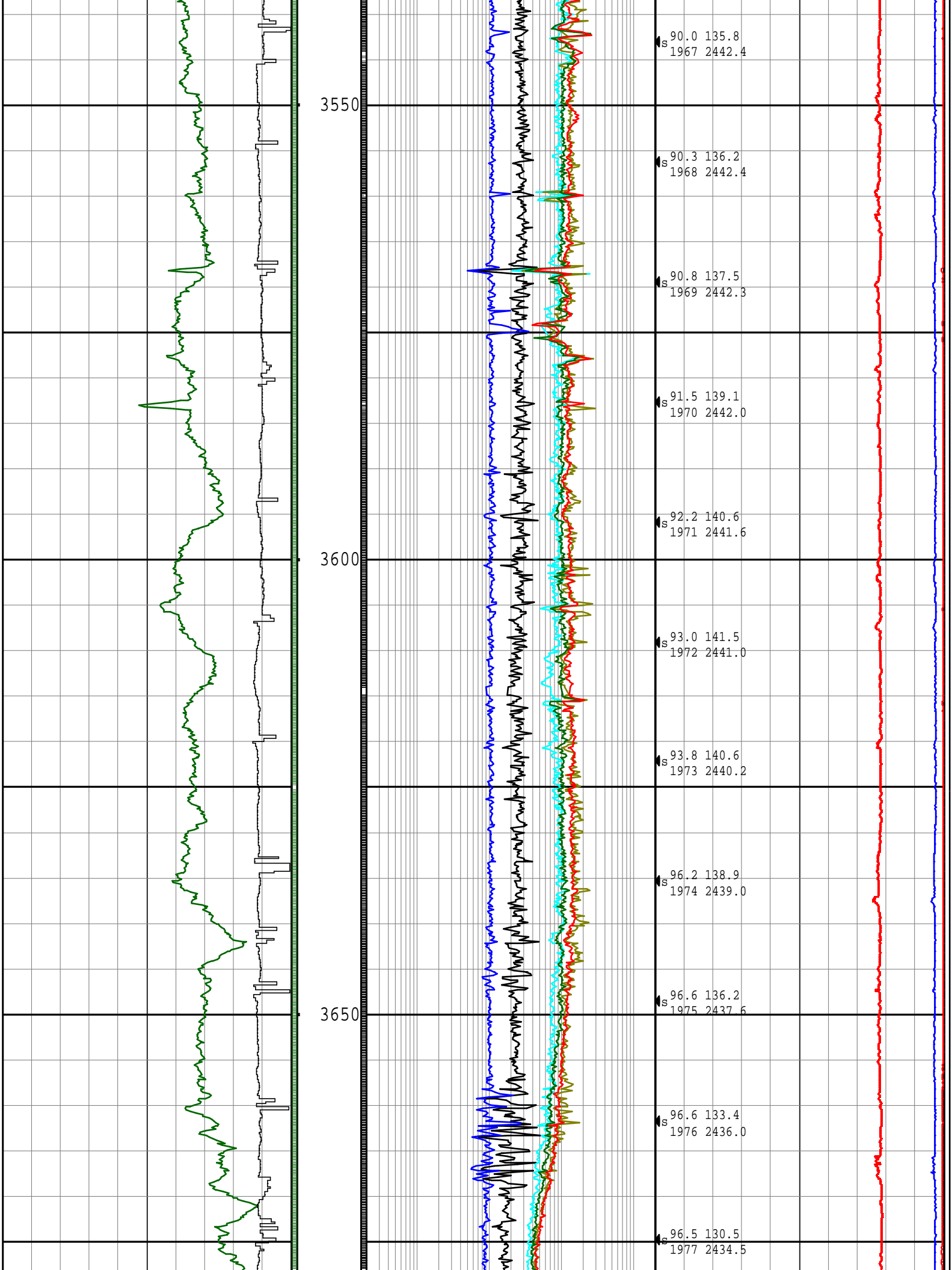


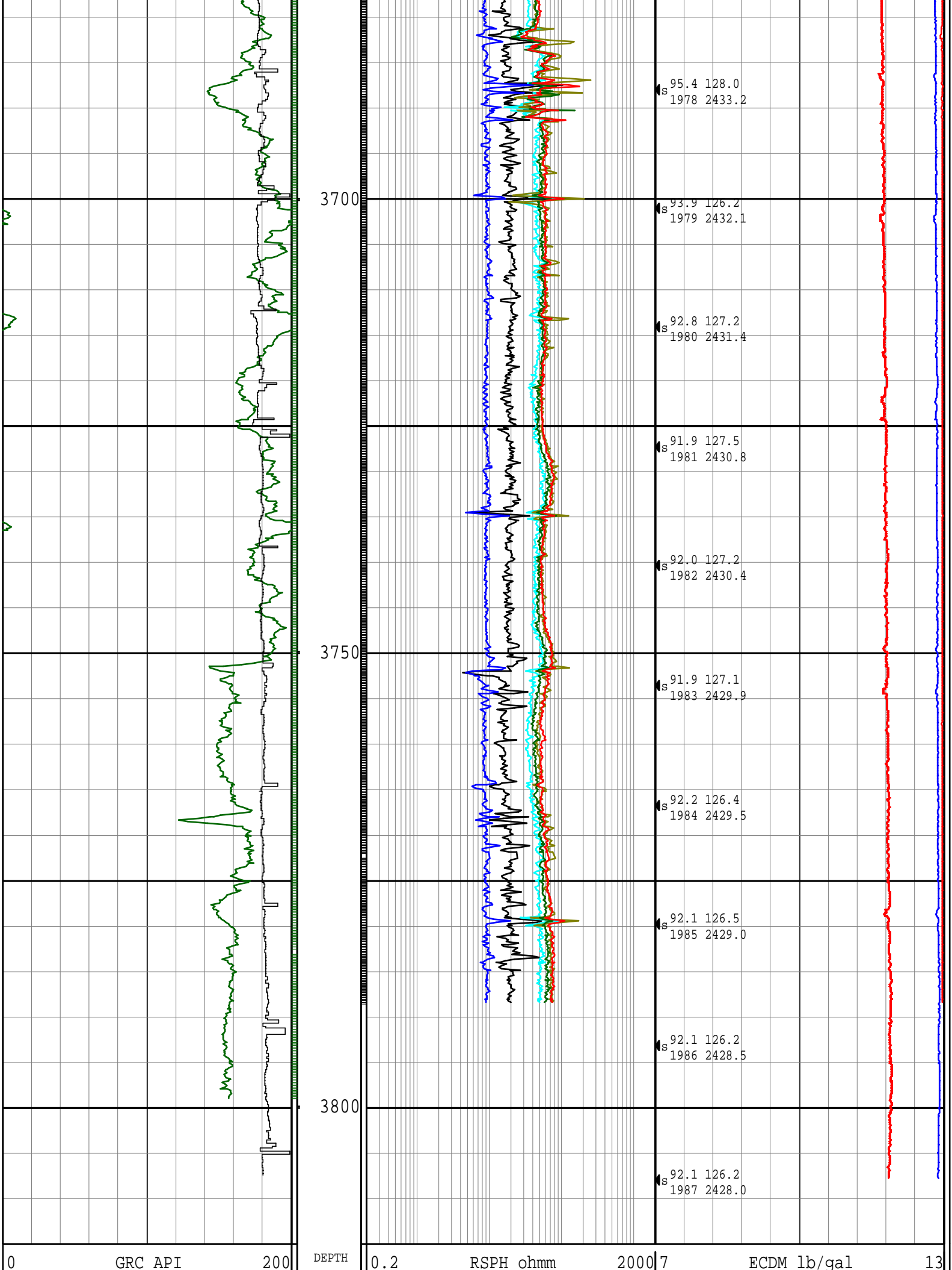
3400

3450

3500







100	avg = 15 cm	MD m 1m = 500m COMMENTS SHOES	avg = 15 cm			avg = 15 cm		
	SLIDE (BIT)		0.2	RSPL ohmm	2000	0	ANPR psi	5000
	ROP m/hr		avg = 15 cm			avg = 15 cm		
	avg = 30 cm		0.2	RMPH ohmm	2000	4000	CDPH mmho/m	0
			avg = 15 cm			avg = 15 cm		
			0.2	RMPL ohmm	2000	inc azi # TVD		
			avg = 15 cm					
			0.2	RDPH ohmm	2000			
			avg = 15 cm					
			0.2	RDPL ohmm	2000			
	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	0.29	0.00	79.71	1.02	-0.21	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	

245.31	0.62	0.00	245.30	1.01	-1.54	2.18 N	0.30
246.33	0.63	0.00	246.32	1.02	-1.55	2.19 N	0.30
247.35	0.64	0.00	247.34	1.02	-1.56	2.20 N	0.29
248.36	0.66	0.00	248.35	1.01	-1.56	2.21 N	0.59
249.38	0.68	0.00	249.37	1.02	-1.57	2.22 N	0.59

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
250.39	0.69	0.00	250.38	1.01	-1.58	2.24 N	0.30	
251.41	0.71	0.00	251.40	1.02	-1.59	2.25 N	0.59	
252.43	0.71	0.00	252.42	1.02	-1.60	2.26 N	0.00	
253.44	0.70	0.00	253.43	1.01	-1.61	2.27 N	0.30	
254.46	0.74	0.00	254.45	1.02	-1.62	2.29 N	1.18	
255.47	0.74	0.00	255.46	1.01	-1.63	2.30 N	0.00	
256.49	0.75	0.00	256.48	1.02	-1.64	2.31 N	0.30	
257.51	0.75	0.00	257.50	1.02	-1.65	2.33 N	0.00	
258.52	0.75	0.00	258.51	1.01	-1.65	2.34 N	0.00	
259.54	0.76	0.00	259.53	1.02	-1.66	2.35 N	0.30	
260.55	0.78	0.00	260.54	1.01	-1.67	2.37 N	0.59	
261.57	0.79	0.00	261.56	1.02	-1.68	2.38 N	0.29	
262.59	0.80	0.00	262.58	1.02	-1.69	2.39 N	0.30	
263.60	0.82	0.00	263.59	1.01	-1.70	2.41 N	0.59	
264.62	0.84	0.00	264.61	1.02	-1.71	2.42 N	0.59	
265.63	0.90	0.00	265.62	1.01	-1.72	2.44 N	1.78	
266.65	0.96	0.00	266.63	1.02	-1.74	2.46 N	1.76	
267.67	1.02	0.00	267.65	1.02	-1.75	2.47 N	1.76	
268.68	1.07	0.00	268.66	1.01	-1.76	2.49 N	1.49	
269.70	1.11	0.00	269.68	1.02	-1.78	2.51 N	1.18	
270.71	1.16	0.00	270.69	1.01	-1.79	2.53 N	1.49	
271.73	1.19	0.00	271.71	1.02	-1.80	2.55 N	0.88	
272.75	1.23	0.00	272.73	1.02	-1.82	2.57 N	1.18	
273.76	1.25	0.00	273.74	1.01	-1.84	2.60 N	0.59	
274.78	1.27	0.00	274.76	1.02	-1.85	2.62 N	0.59	
275.79	1.29	0.00	275.77	1.01	-1.87	2.64 N	0.59	
276.81	1.31	0.00	276.79	1.02	-1.88	2.66 N	0.59	
277.83	1.30	0.00	277.81	1.02	-1.90	2.69 N	0.30	
278.84	1.32	0.00	278.82	1.01	-1.92	2.71 N	0.59	
279.86	1.32	0.00	279.84	1.02	-1.93	2.73 N	0.00	
280.87	1.31	0.00	280.85	1.01	-1.95	2.76 N	0.30	
281.89	1.30	0.00	281.87	1.02	-1.97	2.78 N	0.30	
282.91	1.30	0.00	282.89	1.02	-1.98	2.80 N	0.00	
283.92	1.30	0.00	283.90	1.01	-2.00	2.83 N	0.00	
284.94	1.30	0.00	284.92	1.02	-2.01	2.85 N	0.00	
285.95	1.29	0.00	285.93	1.01	-2.03	2.87 N	0.30	
286.97	1.29	0.00	286.95	1.02	-2.05	2.89 N	0.00	
287.99	1.30	0.00	287.97	1.02	-2.06	2.92 N	0.29	
289.00	1.30	0.00	288.98	1.01	-2.08	2.94 N	0.00	
290.02	1.30	0.00	290.00	1.02	-2.10	2.96 N	0.00	
291.03	1.28	0.00	291.01	1.01	-2.11	2.99 N	0.59	
292.05	1.28	0.00	292.03	1.02	-2.13	3.01 N	0.00	
293.07	1.27	0.00	293.05	1.02	-2.14	3.03 N	0.29	
294.08	1.27	0.00	294.06	1.01	-2.16	3.05 N	0.00	
295.10	1.20	0.00	295.08	1.02	-2.18	3.08 N	2.06	
296.11	1.14	0.00	296.09	1.01	-2.19	3.10 N	1.78	
297.13	1.25	0.00	297.11	1.02	-2.21	3.12 N	3.23	
298.15	1.23	0.00	298.13	1.02	-2.22	3.14 N	0.59	
299.16	1.22	0.00	299.14	1.01	-2.24	3.16 N	0.30	
300.18	1.21	0.00	300.16	1.02	-2.25	3.18 N	0.30	

301.19	1.22	0.00	301.17	1.01	-2.27	3.21 N	0.30
302.21	1.23	0.00	302.19	1.02	-2.28	3.23 N	0.30

Survey Report

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

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

Survey Report

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

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

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

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	
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	Inclination	Azimuth	TVD	Course	Vertical	Rect Co-ord	Dog-leg	Temp
Depth				Length	Section	North	Severity	
(m)	(deg)	(deg)	(m)	(m)	(m)	(m)	(dg/30m)	(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	Inclination	Azimuth	TVD	Course	Vertical	Rect Co-ord	Dog-leg	Temp
Depth				Length	Section	North	Severity	
(m)	(deg)	(deg)	(m)	(m)	(m)	(m)	(dg/30m)	(deg C)

(m)	(deg)	(deg)	(m)	(m)	(m)	(deg/30m)	(deg C)
673.05	0.19	0.00	673.01	1.02	-4.13	5.84 N	0.00
674.07	0.19	0.00	674.03	1.02	-4.14	5.85 N	0.00
675.08	0.20	0.00	675.04	1.01	-4.14	5.85 N	0.30
676.10	0.22	0.00	676.06	1.02	-4.14	5.85 N	0.59
677.11	0.24	0.00	677.07	1.01	-4.14	5.86 N	0.59
678.13	0.26	0.00	678.09	1.02	-4.15	5.86 N	0.59
679.15	0.28	0.00	679.11	1.02	-4.15	5.87 N	0.59
680.16	0.30	0.00	680.12	1.01	-4.15	5.87 N	0.59
681.18	0.32	0.00	681.14	1.02	-4.16	5.88 N	0.59
682.19	0.33	0.00	682.15	1.01	-4.16	5.88 N	0.30
683.21	0.33	0.00	683.17	1.02	-4.17	5.89 N	0.00
684.23	0.31	0.00	684.19	1.02	-4.17	5.90 N	0.59
685.24	0.29	0.00	685.20	1.01	-4.17	5.90 N	0.60
686.26	0.26	0.00	686.22	1.02	-4.18	5.91 N	0.88
687.27	0.24	0.00	687.23	1.01	-4.18	5.91 N	0.59
688.29	0.23	0.00	688.25	1.02	-4.18	5.91 N	0.30
689.31	0.23	0.00	689.27	1.02	-4.19	5.92 N	0.00
690.32	0.23	0.00	690.28	1.01	-4.19	5.92 N	0.00
691.34	0.23	0.00	691.30	1.02	-4.19	5.93 N	0.00
692.35	0.23	0.00	692.31	1.01	-4.19	5.93 N	0.00
693.37	0.24	0.00	693.33	1.02	-4.20	5.94 N	0.30
694.39	0.25	0.00	694.35	1.02	-4.20	5.94 N	0.29
695.40	0.27	0.00	695.36	1.01	-4.20	5.94 N	0.59
696.42	0.29	0.00	696.38	1.02	-4.21	5.95 N	0.59
697.43	0.30	0.00	697.39	1.01	-4.21	5.95 N	0.30
698.45	0.32	0.00	698.41	1.02	-4.21	5.96 N	0.59
699.47	0.32	0.00	699.43	1.02	-4.22	5.97 N	0.00
700.48	0.33	0.00	700.44	1.01	-4.22	5.97 N	0.30
701.50	0.33	0.00	701.46	1.02	-4.23	5.98 N	0.00
702.51	0.33	0.00	702.47	1.01	-4.23	5.98 N	0.00
703.53	0.33	0.00	703.49	1.02	-4.23	5.99 N	0.00
704.55	0.32	0.00	704.51	1.02	-4.24	5.99 N	0.30
705.56	0.31	0.00	705.52	1.01	-4.24	6.00 N	0.30
706.58	0.31	0.00	706.54	1.02	-4.25	6.01 N	0.00
707.59	0.30	0.00	707.55	1.01	-4.25	6.01 N	0.30
708.61	0.30	0.00	708.57	1.02	-4.25	6.02 N	0.00
709.63	0.26	0.00	709.59	1.02	-4.26	6.02 N	1.18
710.64	0.29	0.00	710.60	1.01	-4.26	6.03 N	0.89
711.66	0.30	0.00	711.62	1.02	-4.27	6.03 N	0.30
712.67	0.30	0.00	712.63	1.01	-4.27	6.04 N	0.00
713.69	0.30	0.00	713.65	1.02	-4.27	6.04 N	0.00
714.71	0.31	0.00	714.67	1.02	-4.28	6.05 N	0.30
715.72	0.32	0.00	715.68	1.01	-4.28	6.05 N	0.30
716.74	0.32	0.00	716.70	1.02	-4.28	6.06 N	0.00
717.75	0.31	0.00	717.71	1.01	-4.29	6.06 N	0.30
718.77	0.31	0.00	718.73	1.02	-4.29	6.07 N	0.00
719.79	0.31	0.00	719.75	1.02	-4.30	6.08 N	0.00
720.80	0.31	0.00	720.76	1.01	-4.30	6.08 N	0.00
721.82	0.31	0.00	721.78	1.02	-4.30	6.09 N	0.00
722.83	0.29	0.00	722.79	1.01	-4.31	6.09 N	0.60
723.85	0.29	0.00	723.81	1.02	-4.31	6.10 N	0.00
724.87	0.29	0.00	724.83	1.02	-4.31	6.10 N	0.00

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

726.90	0.28	0.00	726.86	1.02	-4.32	6.11 N	0.00
727.91	0.28	0.00	727.87	1.01	-4.33	6.12 N	0.00
728.93	0.22	0.00	728.89	1.02	-4.33	6.12 N	1.76
729.95	0.25	0.00	729.91	1.02	-4.33	6.13 N	0.88
730.96	0.24	0.00	730.92	1.01	-4.33	6.13 N	0.30
731.98	0.22	0.00	731.94	1.02	-4.34	6.13 N	0.59
732.99	0.21	0.00	732.95	1.01	-4.34	6.14 N	0.30
734.01	0.20	0.00	733.97	1.02	-4.34	6.14 N	0.29
735.03	0.20	0.00	734.99	1.02	-4.35	6.15 N	0.00
736.04	0.19	0.00	736.00	1.01	-4.35	6.15 N	0.30
737.06	0.16	0.00	737.02	1.02	-4.35	6.15 N	0.88
738.07	0.17	0.00	738.03	1.01	-4.35	6.15 N	0.30
739.09	0.16	0.00	739.05	1.02	-4.35	6.16 N	0.29
740.11	0.15	0.00	740.07	1.02	-4.36	6.16 N	0.30
741.12	0.14	0.00	741.08	1.01	-4.36	6.16 N	0.30
742.14	0.14	0.00	742.10	1.02	-4.36	6.17 N	0.00
743.15	0.13	0.00	743.11	1.01	-4.36	6.17 N	0.30
744.17	0.13	0.00	744.13	1.02	-4.36	6.17 N	0.00
745.19	0.12	0.00	745.15	1.02	-4.36	6.17 N	0.30
746.20	0.12	0.00	746.16	1.01	-4.37	6.17 N	0.00
747.22	0.11	0.00	747.18	1.02	-4.37	6.18 N	0.29
748.23	0.11	0.00	748.19	1.01	-4.37	6.18 N	0.00
749.25	0.11	0.00	749.21	1.02	-4.37	6.18 N	0.00
750.27	0.12	0.00	750.23	1.02	-4.37	6.18 N	0.29
751.28	0.13	0.00	751.24	1.01	-4.37	6.18 N	0.30
752.30	0.14	0.00	752.26	1.02	-4.37	6.19 N	0.29
753.31	0.15	0.00	753.27	1.01	-4.38	6.19 N	0.30
754.33	0.15	0.00	754.29	1.02	-4.38	6.19 N	0.00
755.35	0.15	0.00	755.31	1.02	-4.38	6.19 N	0.00
756.36	0.14	0.00	756.32	1.01	-4.38	6.20 N	0.30
757.38	0.13	0.00	757.34	1.02	-4.38	6.20 N	0.29
758.39	0.11	0.00	758.35	1.01	-4.39	6.20 N	0.59
759.41	0.11	0.00	759.37	1.02	-4.39	6.20 N	0.00
760.43	0.13	0.00	760.39	1.02	-4.39	6.21 N	0.59
761.44	0.14	0.00	761.40	1.01	-4.39	6.21 N	0.30
762.46	0.14	0.00	762.42	1.02	-4.39	6.21 N	0.00
763.47	0.15	0.00	763.43	1.01	-4.39	6.21 N	0.30
764.49	0.15	0.00	764.45	1.02	-4.40	6.22 N	0.00
765.51	0.14	0.00	765.47	1.02	-4.40	6.22 N	0.30
766.52	0.16	0.00	766.48	1.01	-4.40	6.22 N	0.60
767.54	0.18	0.00	767.50	1.02	-4.40	6.22 N	0.59
768.55	0.19	0.00	768.51	1.01	-4.40	6.23 N	0.30
769.57	0.19	0.00	769.53	1.02	-4.41	6.23 N	0.00
770.59	0.21	0.00	770.55	1.02	-4.41	6.23 N	0.59
771.60	0.21	0.00	771.56	1.01	-4.41	6.24 N	0.00
772.62	0.22	0.00	772.58	1.02	-4.41	6.24 N	0.30
773.63	0.23	0.00	773.59	1.01	-4.42	6.25 N	0.30
774.65	0.21	0.00	774.61	1.02	-4.42	6.25 N	0.59
775.67	0.21	0.00	775.63	1.02	-4.42	6.25 N	0.00
776.68	0.22	0.00	776.64	1.01	-4.42	6.26 N	0.30
777.70	0.22	0.00	777.66	1.02	-4.43	6.26 N	0.00

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
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	0.29	

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	0.26	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	

947.37	0.42	0.00	947.33	1.02	-5.12	7.24 N	0.29
948.39	0.43	0.00	948.35	1.02	-5.13	7.25 N	0.30
949.40	0.43	0.00	949.36	1.01	-5.13	7.26 N	0.00
950.42	0.43	0.00	950.38	1.02	-5.14	7.27 N	0.00
951.43	0.42	0.00	951.39	1.01	-5.14	7.27 N	0.30
952.45	0.41	0.00	952.41	1.02	-5.15	7.28 N	0.29
953.47	0.38	0.00	953.43	1.02	-5.15	7.29 N	0.88
954.48	0.37	0.00	954.44	1.01	-5.16	7.30 N	0.30
955.50	0.37	0.00	955.46	1.02	-5.16	7.30 N	0.00
956.51	0.38	0.00	956.47	1.01	-5.17	7.31 N	0.30
957.53	0.39	0.00	957.49	1.02	-5.17	7.32 N	0.30
958.55	0.39	0.00	958.51	1.02	-5.18	7.32 N	0.00
959.56	0.38	0.00	959.52	1.01	-5.18	7.33 N	0.30
960.58	0.38	0.00	960.54	1.02	-5.19	7.34 N	0.00
961.59	0.35	0.00	961.55	1.01	-5.19	7.34 N	0.89
962.61	0.32	0.00	962.57	1.02	-5.20	7.35 N	0.88
963.63	0.30	0.00	963.59	1.02	-5.20	7.35 N	0.59
964.64	0.30	0.00	964.60	1.01	-5.20	7.36 N	0.00
965.66	0.31	0.00	965.62	1.02	-5.21	7.36 N	0.30
966.67	0.32	0.00	966.63	1.01	-5.21	7.37 N	0.30
967.69	0.33	0.00	967.65	1.02	-5.22	7.38 N	0.30
968.71	0.34	0.00	968.67	1.02	-5.22	7.38 N	0.29
969.72	0.34	0.00	969.68	1.01	-5.22	7.39 N	0.00
970.74	0.34	0.00	970.70	1.02	-5.23	7.39 N	0.00
971.75	0.34	0.00	971.71	1.01	-5.23	7.40 N	0.00
972.77	0.32	0.00	972.73	1.02	-5.24	7.41 N	0.59
973.79	0.31	0.00	973.75	1.02	-5.24	7.41 N	0.29
974.80	0.32	0.00	974.76	1.01	-5.24	7.42 N	0.30
975.82	0.31	0.00	975.78	1.02	-5.25	7.42 N	0.29
976.83	0.32	0.00	976.79	1.01	-5.25	7.43 N	0.30
977.85	0.32	0.00	977.81	1.02	-5.26	7.43 N	0.00
978.87	0.32	0.00	978.83	1.02	-5.26	7.44 N	0.00
979.88	0.32	0.00	979.84	1.01	-5.26	7.45 N	0.00
980.90	0.31	0.00	980.86	1.02	-5.27	7.45 N	0.29
981.91	0.30	0.00	981.87	1.01	-5.27	7.46 N	0.30
982.93	0.30	0.00	982.89	1.02	-5.28	7.46 N	0.00
983.95	0.29	0.00	983.91	1.02	-5.28	7.47 N	0.30
984.96	0.28	0.00	984.92	1.01	-5.28	7.47 N	0.30
985.98	0.28	0.00	985.94	1.02	-5.29	7.48 N	0.00
986.99	0.28	0.00	986.95	1.01	-5.29	7.48 N	0.00
988.01	0.28	0.00	987.97	1.02	-5.29	7.49 N	0.00
989.03	0.28	0.00	988.99	1.02	-5.30	7.49 N	0.00

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

1003.25	0.26	0.00	1003.21	1.02	-5.35	7.56 N	0.00
1004.27	0.28	0.00	1004.23	1.02	-5.35	7.57 N	0.59
1005.28	0.28	0.00	1005.24	1.01	-5.35	7.57 N	0.00
1006.30	0.28	0.00	1006.26	1.02	-5.36	7.58 N	0.00
1007.31	0.28	0.00	1007.27	1.01	-5.36	7.58 N	0.00
1008.33	0.28	0.00	1008.29	1.02	-5.36	7.59 N	0.00
1009.35	0.27	0.00	1009.31	1.02	-5.37	7.59 N	0.30
1010.36	0.26	0.00	1010.32	1.01	-5.37	7.59 N	0.30
1011.38	0.26	0.00	1011.34	1.02	-5.37	7.60 N	0.00
1012.39	0.27	0.00	1012.35	1.01	-5.38	7.60 N	0.30
1013.41	0.28	0.00	1013.37	1.02	-5.38	7.61 N	0.30
1014.43	0.28	0.00	1014.39	1.02	-5.38	7.61 N	0.00
1015.44	0.27	0.00	1015.40	1.01	-5.39	7.62 N	0.30
1016.46	0.26	0.00	1016.42	1.02	-5.39	7.62 N	0.29
1017.47	0.25	0.00	1017.43	1.01	-5.39	7.63 N	0.30
1018.49	0.25	0.00	1018.45	1.02	-5.40	7.63 N	0.00
1019.51	0.24	0.00	1019.47	1.02	-5.40	7.64 N	0.29
1020.52	0.25	0.00	1020.48	1.01	-5.40	7.64 N	0.30
1021.54	0.25	0.00	1021.50	1.02	-5.41	7.65 N	0.00
1022.55	0.25	0.00	1022.51	1.01	-5.41	7.65 N	0.00
1023.57	0.25	0.00	1023.53	1.02	-5.41	7.65 N	0.00
1024.59	0.25	0.00	1024.55	1.02	-5.42	7.66 N	0.00
1025.60	0.24	0.00	1025.56	1.01	-5.42	7.66 N	0.30
1026.62	0.25	0.00	1026.58	1.02	-5.42	7.67 N	0.29
1027.63	0.23	0.00	1027.59	1.01	-5.42	7.67 N	0.59
1028.65	0.21	0.00	1028.61	1.02	-5.43	7.68 N	0.59
1029.67	0.24	0.00	1029.63	1.02	-5.43	7.68 N	0.88
1030.68	0.23	0.00	1030.64	1.01	-5.43	7.68 N	0.30
1031.70	0.23	0.00	1031.66	1.02	-5.44	7.69 N	0.00
1032.71	0.23	0.00	1032.67	1.01	-5.44	7.69 N	0.00
1033.73	0.22	0.00	1033.69	1.02	-5.44	7.70 N	0.29
1034.75	0.22	0.00	1034.71	1.02	-5.44	7.70 N	0.00
1035.76	0.21	0.00	1035.72	1.01	-5.45	7.70 N	0.30
1036.78	0.21	0.00	1036.74	1.02	-5.45	7.71 N	0.00
1037.79	0.20	0.00	1037.75	1.01	-5.45	7.71 N	0.30
1038.81	0.20	0.00	1038.77	1.02	-5.46	7.71 N	0.00
1039.83	0.17	0.00	1039.79	1.02	-5.46	7.72 N	0.88
1040.84	0.19	0.00	1040.80	1.01	-5.46	7.72 N	0.59
1041.86	0.20	0.00	1041.82	1.02	-5.46	7.72 N	0.30

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

1058.11	0.21	0.00	1058.07	1.01	-5.50	7.78 N	0.30
1059.13	0.21	0.00	1059.09	1.02	-5.50	7.78 N	0.00
1060.15	0.22	0.00	1060.11	1.02	-5.51	7.79 N	0.30
1061.16	0.23	0.00	1061.12	1.01	-5.51	7.79 N	0.30
1062.18	0.23	0.00	1062.14	1.02	-5.51	7.80 N	0.00
1063.19	0.23	0.00	1063.15	1.01	-5.52	7.80 N	0.00
1064.21	0.23	0.00	1064.17	1.02	-5.52	7.80 N	0.00
1065.23	0.24	0.00	1065.19	1.02	-5.52	7.81 N	0.30
1066.24	0.26	0.00	1066.20	1.01	-5.52	7.81 N	0.59
1067.26	0.27	0.00	1067.22	1.02	-5.53	7.82 N	0.29
1068.27	0.27	0.00	1068.23	1.01	-5.53	7.82 N	0.00
1069.29	0.29	0.00	1069.25	1.02	-5.53	7.83 N	0.59
1070.31	0.29	0.00	1070.27	1.02	-5.54	7.83 N	0.00
1071.32	0.29	0.00	1071.28	1.01	-5.54	7.84 N	0.00
1072.34	0.30	0.00	1072.30	1.02	-5.55	7.84 N	0.30
1073.35	0.30	0.00	1073.31	1.01	-5.55	7.85 N	0.00
1074.37	0.30	0.00	1074.33	1.02	-5.55	7.85 N	0.00
1075.39	0.30	0.00	1075.35	1.02	-5.56	7.86 N	0.00
1076.40	0.30	0.00	1076.36	1.01	-5.56	7.86 N	0.00
1077.42	0.29	0.00	1077.38	1.02	-5.56	7.87 N	0.30
1078.43	0.28	0.00	1078.39	1.01	-5.57	7.87 N	0.30
1079.45	0.28	0.00	1079.41	1.02	-5.57	7.88 N	0.00
1080.47	0.29	0.00	1080.43	1.02	-5.58	7.88 N	0.29
1081.48	0.29	0.00	1081.44	1.01	-5.58	7.89 N	0.00
1082.50	0.28	0.00	1082.46	1.02	-5.58	7.89 N	0.29
1083.51	0.28	0.00	1083.47	1.01	-5.59	7.90 N	0.00
1084.53	0.28	0.00	1084.49	1.02	-5.59	7.90 N	0.00
1085.55	0.27	0.00	1085.51	1.02	-5.59	7.91 N	0.30
1086.56	0.27	0.00	1086.52	1.01	-5.60	7.91 N	0.00
1087.58	0.27	0.00	1087.54	1.02	-5.60	7.92 N	0.00
1088.59	0.28	0.00	1088.55	1.01	-5.60	7.92 N	0.30
1089.61	0.28	0.00	1089.57	1.02	-5.61	7.93 N	0.00
1090.63	0.29	0.00	1090.59	1.02	-5.61	7.93 N	0.29
1091.64	0.30	0.00	1091.60	1.01	-5.61	7.94 N	0.30
1092.66	0.31	0.00	1092.62	1.02	-5.62	7.94 N	0.30
1093.67	0.31	0.00	1093.63	1.01	-5.62	7.95 N	0.00
1094.69	0.32	0.00	1094.65	1.02	-5.63	7.96 N	0.29

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1095.71	0.32	0.00	1095.67	1.02	-5.63	7.96 N	0.00	
1096.72	0.32	0.00	1096.68	1.01	-5.63	7.97 N	0.00	
1097.74	0.31	0.00	1097.70	1.02	-5.64	7.97 N	0.29	
1098.75	0.31	0.00	1098.71	1.01	-5.64	7.98 N	0.00	
1099.77	0.32	0.00	1099.73	1.02	-5.65	7.98 N	0.29	
1100.79	0.33	0.00	1100.75	1.02	-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	

1112.98	0.44	0.00	1112.94	1.02	-5.71	8.07 N	0.50
1113.99	0.44	0.00	1113.95	1.01	-5.72	8.08 N	0.00
1115.01	0.45	0.00	1114.97	1.02	-5.72	8.09 N	0.30
1116.03	0.45	0.00	1115.99	1.02	-5.73	8.10 N	0.00
1117.04	0.45	0.00	1117.00	1.01	-5.73	8.11 N	0.00
1118.06	0.45	0.00	1118.02	1.02	-5.74	8.11 N	0.00
1119.07	0.46	0.00	1119.03	1.01	-5.74	8.12 N	0.30
1120.09	0.47	0.00	1120.05	1.02	-5.75	8.13 N	0.29
1121.11	0.47	0.00	1121.07	1.02	-5.76	8.14 N	0.00
1122.12	0.48	0.00	1122.08	1.01	-5.76	8.15 N	0.30
1123.14	0.49	0.00	1123.10	1.02	-5.77	8.16 N	0.29
1124.15	0.50	0.00	1124.11	1.01	-5.77	8.16 N	0.30
1125.17	0.52	0.00	1125.13	1.02	-5.78	8.17 N	0.59
1126.19	0.52	0.00	1126.15	1.02	-5.79	8.18 N	0.00
1127.20	0.53	0.00	1127.15	1.01	-5.79	8.19 N	0.30
1128.22	0.54	0.00	1128.17	1.02	-5.80	8.20 N	0.30
1129.23	0.55	0.00	1129.18	1.01	-5.81	8.21 N	0.30
1130.25	0.57	0.00	1130.20	1.02	-5.81	8.22 N	0.59
1131.27	0.61	0.00	1131.22	1.02	-5.82	8.23 N	1.18
1132.28	0.63	0.00	1132.23	1.01	-5.83	8.24 N	0.59
1133.30	0.64	0.00	1133.25	1.02	-5.84	8.25 N	0.29
1134.31	0.66	0.00	1134.26	1.01	-5.84	8.27 N	0.59
1135.33	0.67	0.00	1135.28	1.02	-5.85	8.28 N	0.30
1136.35	0.68	0.00	1136.30	1.02	-5.86	8.29 N	0.29
1137.36	0.69	0.00	1137.31	1.01	-5.87	8.30 N	0.30
1138.38	0.69	0.00	1138.33	1.02	-5.88	8.31 N	0.00
1139.39	0.70	0.00	1139.34	1.01	-5.89	8.33 N	0.30
1140.41	0.70	0.00	1140.36	1.02	-5.90	8.34 N	0.00
1141.43	0.70	0.00	1141.38	1.02	-5.91	8.35 N	0.00
1142.44	0.71	0.00	1142.39	1.01	-5.91	8.36 N	0.30
1143.46	0.71	0.00	1143.41	1.02	-5.92	8.38 N	0.00
1144.47	0.72	0.00	1144.42	1.01	-5.93	8.39 N	0.30
1145.49	0.73	0.00	1145.44	1.02	-5.94	8.40 N	0.30
1146.51	0.74	0.00	1146.46	1.02	-5.95	8.41 N	0.29
1147.52	0.76	0.00	1147.47	1.01	-5.96	8.43 N	0.60

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

1168.86	0.86	0.00	1168.81	1.02	-6.18	8.74 N	0.00
1169.87	0.86	0.00	1169.82	1.01	-6.19	8.75 N	0.00
1170.89	0.86	0.00	1170.84	1.02	-6.20	8.77 N	0.00
1171.91	0.87	0.00	1171.86	1.02	-6.21	8.78 N	0.29
1172.92	0.88	0.00	1172.87	1.01	-6.22	8.80 N	0.30
1173.94	0.89	0.00	1173.89	1.02	-6.23	8.81 N	0.29
1174.95	0.90	0.00	1174.90	1.01	-6.24	8.83 N	0.30
1175.97	0.92	0.00	1175.92	1.02	-6.25	8.85 N	0.59
1176.99	0.93	0.00	1176.94	1.02	-6.27	8.86 N	0.30
1178.00	0.96	0.00	1177.95	1.01	-6.28	8.88 N	0.89
1179.02	0.91	0.00	1178.97	1.02	-6.29	8.90 N	1.47
1180.03	0.88	0.00	1179.98	1.01	-6.30	8.91 N	0.89
1181.05	0.99	0.00	1181.00	1.02	-6.31	8.93 N	3.23
1182.07	0.99	0.00	1182.02	1.02	-6.33	8.95 N	0.00
1183.08	0.98	0.00	1183.03	1.01	-6.34	8.96 N	0.30
1184.10	0.97	0.00	1184.05	1.02	-6.35	8.98 N	0.29
1185.11	0.96	0.00	1185.06	1.01	-6.36	9.00 N	0.30
1186.13	0.93	0.00	1186.08	1.02	-6.37	9.01 N	0.88
1187.15	0.92	0.00	1187.10	1.02	-6.39	9.03 N	0.30
1188.16	0.92	0.00	1188.11	1.01	-6.40	9.05 N	0.00
1189.18	0.92	0.00	1189.13	1.02	-6.41	9.06 N	0.00
1190.19	0.91	0.00	1190.14	1.01	-6.42	9.08 N	0.30
1191.21	0.89	0.00	1191.16	1.02	-6.43	9.10 N	0.59
1192.23	0.89	0.00	1192.18	1.02	-6.44	9.11 N	0.00
1193.24	0.88	0.00	1193.19	1.01	-6.45	9.13 N	0.30
1194.26	0.89	0.00	1194.21	1.02	-6.46	9.14 N	0.29
1195.27	0.90	0.00	1195.22	1.01	-6.48	9.16 N	0.30
1196.29	0.90	0.00	1196.24	1.02	-6.49	9.17 N	0.00
1197.31	0.90	0.00	1197.26	1.02	-6.50	9.19 N	0.00
1198.32	0.91	0.00	1198.27	1.01	-6.51	9.21 N	0.30
1199.34	0.91	0.00	1199.29	1.02	-6.52	9.22 N	0.00
1200.35	0.91	0.00	1200.30	1.01	-6.53	9.24 N	0.00

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

1223.72	0.62	0.00	1223.67	1.01	-6.75	9.54 N	0.30
1224.74	0.60	0.00	1224.69	1.02	-6.76	9.55 N	0.59
1225.75	0.59	0.00	1225.70	1.01	-6.76	9.56 N	0.30
1226.77	0.59	0.00	1226.72	1.02	-6.77	9.57 N	0.00
1227.79	0.57	0.00	1227.74	1.02	-6.78	9.59 N	0.59
1228.80	0.54	0.00	1228.75	1.01	-6.78	9.60 N	0.89
1229.82	0.41	0.00	1229.77	1.02	-6.79	9.60 N	3.82
1230.83	0.49	0.00	1230.77	1.01	-6.80	9.61 N	2.38
1231.85	0.49	0.00	1231.79	1.02	-6.80	9.62 N	0.00
1232.87	0.49	0.00	1232.81	1.02	-6.81	9.63 N	0.00
1233.88	0.47	0.00	1233.82	1.01	-6.81	9.64 N	0.59
1234.90	0.46	0.00	1234.84	1.02	-6.82	9.65 N	0.29
1235.91	0.45	0.00	1235.85	1.01	-6.83	9.65 N	0.30
1236.93	0.44	0.00	1236.87	1.02	-6.83	9.66 N	0.30
1237.95	0.42	0.00	1237.89	1.02	-6.84	9.67 N	0.59
1238.96	0.41	0.00	1238.90	1.01	-6.84	9.68 N	0.30
1239.98	0.39	0.00	1239.92	1.02	-6.85	9.68 N	0.59
1240.99	0.37	0.00	1240.93	1.01	-6.85	9.69 N	0.59
1242.01	0.36	0.00	1241.95	1.02	-6.86	9.70 N	0.30
1243.03	0.35	0.00	1242.97	1.02	-6.86	9.70 N	0.29
1244.04	0.35	0.00	1243.98	1.01	-6.87	9.71 N	0.00
1245.06	0.36	0.00	1245.00	1.02	-6.87	9.72 N	0.29
1246.07	0.35	0.00	1246.01	1.01	-6.87	9.72 N	0.30
1247.09	0.35	0.00	1247.03	1.02	-6.88	9.73 N	0.00
1248.11	0.33	0.00	1248.05	1.02	-6.88	9.73 N	0.59
1249.12	0.32	0.00	1249.06	1.01	-6.89	9.74 N	0.30
1250.14	0.32	0.00	1250.08	1.02	-6.89	9.75 N	0.00
1251.15	0.31	0.00	1251.09	1.01	-6.90	9.75 N	0.30
1252.17	0.31	0.00	1252.11	1.02	-6.90	9.76 N	0.00
1253.19	0.32	0.00	1253.13	1.02	-6.90	9.76 N	0.29

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1254.20	0.31	0.00	1254.14	1.01	-6.91	9.77 N	0.30	
1255.22	0.32	0.00	1255.16	1.02	-6.91	9.77 N	0.29	
1256.23	0.33	0.00	1256.17	1.01	-6.91	9.78 N	0.30	
1257.25	0.33	0.00	1257.19	1.02	-6.92	9.79 N	0.00	
1258.27	0.34	0.00	1258.21	1.02	-6.92	9.79 N	0.29	
1259.28	0.35	0.00	1259.22	1.01	-6.93	9.80 N	0.30	
1260.30	0.35	0.00	1260.24	1.02	-6.93	9.80 N	0.00	
1261.31	0.35	0.00	1261.25	1.01	-6.94	9.81 N	0.00	
1262.33	0.35	0.00	1262.27	1.02	-6.94	9.82 N	0.00	
1263.35	0.34	0.00	1263.29	1.02	-6.95	9.82 N	0.30	
1264.36	0.34	0.00	1264.30	1.01	-6.95	9.83 N	0.00	
1265.38	0.33	0.00	1265.32	1.02	-6.95	9.83 N	0.29	
1266.39	0.32	0.00	1266.33	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	

1278.59	0.20	0.00	1278.59	1.02	-7.00	9.90 N	0.30
1279.60	0.25	0.00	1279.54	1.01	-7.01	9.91 N	0.30
1280.62	0.24	0.00	1280.56	1.02	-7.01	9.91 N	0.29
1281.63	0.23	0.00	1281.57	1.01	-7.01	9.92 N	0.30
1282.65	0.22	0.00	1282.59	1.02	-7.01	9.92 N	0.29
1283.67	0.21	0.00	1283.61	1.02	-7.02	9.92 N	0.30
1284.68	0.21	0.00	1284.62	1.01	-7.02	9.93 N	0.00
1285.70	0.22	0.00	1285.64	1.02	-7.02	9.93 N	0.30
1286.71	0.23	0.00	1286.65	1.01	-7.03	9.94 N	0.30
1287.73	0.24	0.00	1287.67	1.02	-7.03	9.94 N	0.30
1288.75	0.25	0.00	1288.69	1.02	-7.03	9.94 N	0.29
1289.76	0.27	0.00	1289.70	1.01	-7.03	9.95 N	0.59
1290.78	0.30	0.00	1290.72	1.02	-7.04	9.95 N	0.88
1291.79	0.33	0.00	1291.73	1.01	-7.04	9.96 N	0.89
1292.81	0.35	0.00	1292.75	1.02	-7.05	9.97 N	0.59
1293.83	0.36	0.00	1293.77	1.02	-7.05	9.97 N	0.29
1294.84	0.37	0.00	1294.78	1.01	-7.06	9.98 N	0.30
1295.86	0.37	0.00	1295.80	1.02	-7.06	9.98 N	0.00
1296.87	0.36	0.00	1296.81	1.01	-7.06	9.99 N	0.30
1297.89	0.36	0.00	1297.83	1.02	-7.07	10.00 N	0.00
1298.91	0.35	0.00	1298.85	1.02	-7.07	10.00 N	0.29
1299.92	0.35	0.00	1299.86	1.01	-7.08	10.01 N	0.00
1300.94	0.36	0.00	1300.88	1.02	-7.08	10.02 N	0.29
1301.95	0.37	0.00	1301.89	1.01	-7.09	10.02 N	0.30
1302.97	0.36	0.00	1302.91	1.02	-7.09	10.03 N	0.30
1303.99	0.36	0.00	1303.93	1.02	-7.10	10.04 N	0.00
1305.00	0.35	0.00	1304.94	1.01	-7.10	10.04 N	0.30
1306.02	0.33	0.00	1305.96	1.02	-7.10	10.05 N	0.59

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

1334.47	0.25	0.00	1334.41	1.02	-7.20	10.18 N	0.59
1335.48	0.26	0.00	1335.42	1.01	-7.20	10.19 N	0.30
1336.50	0.27	0.00	1336.44	1.02	-7.21	10.19 N	0.29
1337.51	0.28	0.00	1337.45	1.01	-7.21	10.20 N	0.30
1338.53	0.28	0.00	1338.47	1.02	-7.21	10.20 N	0.00
1339.55	0.27	0.00	1339.49	1.02	-7.22	10.20 N	0.30
1340.56	0.25	0.00	1340.50	1.01	-7.22	10.21 N	0.59
1341.58	0.22	0.00	1341.52	1.02	-7.22	10.21 N	0.88
1342.59	0.24	0.00	1342.53	1.01	-7.23	10.22 N	0.59
1343.61	0.22	0.00	1343.55	1.02	-7.23	10.22 N	0.59
1344.63	0.22	0.00	1344.57	1.02	-7.23	10.23 N	0.00
1345.64	0.19	0.00	1345.58	1.01	-7.23	10.23 N	0.89
1346.66	0.19	0.00	1346.60	1.02	-7.24	10.23 N	0.00
1347.67	0.19	0.00	1347.61	1.01	-7.24	10.24 N	0.00
1348.69	0.18	0.00	1348.63	1.02	-7.24	10.24 N	0.29
1349.71	0.18	0.00	1349.65	1.02	-7.24	10.24 N	0.00
1350.72	0.18	0.00	1350.66	1.01	-7.24	10.25 N	0.00
1351.74	0.19	0.00	1351.68	1.02	-7.25	10.25 N	0.29
1352.75	0.20	0.00	1352.69	1.01	-7.25	10.25 N	0.30
1353.77	0.21	0.00	1353.71	1.02	-7.25	10.26 N	0.29
1354.79	0.22	0.00	1354.73	1.02	-7.25	10.26 N	0.30
1355.80	0.23	0.00	1355.74	1.01	-7.26	10.26 N	0.30
1356.82	0.22	0.00	1356.76	1.02	-7.26	10.27 N	0.29
1357.83	0.22	0.00	1357.77	1.01	-7.26	10.27 N	0.00
1358.85	0.22	0.00	1358.79	1.02	-7.27	10.28 N	0.00

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

1389.33	0.01	0.00	1389.27	1.02	-7.35	10.39 N	0.29
1390.35	0.04	0.00	1390.29	1.02	-7.35	10.39 N	0.88
1391.36	0.06	0.00	1391.30	1.01	-7.35	10.39 N	0.59
1392.38	0.07	0.00	1392.32	1.02	-7.35	10.39 N	0.30
1393.39	0.09	0.00	1393.33	1.01	-7.35	10.40 N	0.59
1394.41	0.10	0.00	1394.35	1.02	-7.35	10.40 N	0.29
1395.43	0.12	0.00	1395.37	1.02	-7.35	10.40 N	0.59
1396.44	0.14	0.00	1396.38	1.01	-7.35	10.40 N	0.59
1397.46	0.16	0.00	1397.40	1.02	-7.36	10.40 N	0.59
1398.47	0.16	0.00	1398.41	1.01	-7.36	10.41 N	0.00
1399.49	0.15	0.00	1399.43	1.02	-7.36	10.41 N	0.30
1400.51	0.18	0.00	1400.45	1.02	-7.36	10.41 N	0.88
1401.52	0.20	0.00	1401.46	1.01	-7.36	10.42 N	0.59
1402.54	0.21	0.00	1402.48	1.02	-7.37	10.42 N	0.29
1403.55	0.18	0.00	1403.49	1.01	-7.37	10.42 N	0.89
1404.57	0.20	0.00	1404.51	1.02	-7.37	10.43 N	0.59
1405.59	0.18	0.00	1405.53	1.02	-7.37	10.43 N	0.59
1406.60	0.18	0.00	1406.54	1.01	-7.38	10.43 N	0.00
1407.62	0.17	0.00	1407.56	1.02	-7.38	10.44 N	0.30
1408.63	0.15	0.00	1408.57	1.01	-7.38	10.44 N	0.59
1409.65	0.15	0.00	1409.59	1.02	-7.38	10.44 N	0.00
1410.67	0.16	0.00	1410.61	1.02	-7.38	10.44 N	0.30
1411.68	0.16	0.00	1411.62	1.01	-7.39	10.45 N	0.00

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

1444.19	0.35	250.50	1444.13	1.01	-7.43	10.48 N	0.04
1445.21	0.38	249.82	1445.15	1.02	-7.43	10.48 N	0.89
1446.23	0.38	246.33	1446.17	1.02	-7.43	10.47 N	0.68
1447.24	0.37	242.84	1447.18	1.01	-7.44	10.47 N	0.74
1448.26	0.37	243.43	1448.20	1.02	-7.44	10.47 N	0.11
1449.27	0.34	245.00	1449.21	1.01	-7.44	10.47 N	0.94
1450.29	0.29	240.13	1450.23	1.02	-7.44	10.46 N	1.67
1451.31	0.30	240.97	1451.25	1.02	-7.44	10.46 N	0.32
1452.32	0.32	245.58	1452.26	1.01	-7.44	10.46 N	0.95
1453.34	0.31	248.24	1453.28	1.02	-7.45	10.46 N	0.52
1454.35	0.30	249.00	1454.29	1.01	-7.45	10.45 N	0.32
1455.37	0.32	248.56	1455.31	1.02	-7.45	10.45 N	0.59
1456.39	0.32	250.46	1456.33	1.02	-7.45	10.45 N	0.31
1457.40	0.34	251.67	1457.34	1.01	-7.46	10.45 N	0.63
1458.42	0.34	248.47	1458.36	1.02	-7.46	10.45 N	0.56
1459.43	0.36	245.28	1459.37	1.01	-7.46	10.44 N	0.83
1460.45	0.36	246.89	1460.39	1.02	-7.46	10.44 N	0.30
1461.47	0.27	244.81	1461.41	1.02	-7.46	10.44 N	2.67
1462.48	0.25	241.48	1462.42	1.01	-7.47	10.44 N	0.74
1463.50	0.25	242.95	1463.44	1.02	-7.47	10.43 N	0.19

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

1499.06	0.11	149.29	1499.00	1.02	-7.44	10.39 N	0.94
1500.07	0.12	133.09	1500.01	1.01	-7.43	10.38 N	1.01
1501.09	0.11	114.71	1501.03	1.02	-7.43	10.38 N	1.12
1502.11	0.11	106.31	1502.05	1.02	-7.43	10.38 N	0.47
1503.12	0.10	114.98	1503.06	1.01	-7.43	10.38 N	0.56
1504.14	0.10	105.07	1504.08	1.02	-7.43	10.38 N	0.51
1505.15	0.12	89.38	1505.09	1.01	-7.43	10.38 N	1.07
1506.17	0.11	85.31	1506.11	1.02	-7.42	10.38 N	0.38
1507.19	0.09	90.32	1507.13	1.02	-7.42	10.38 N	0.64
1508.20	0.09	87.28	1508.14	1.01	-7.42	10.38 N	0.14
1509.22	0.09	48.42	1509.16	1.02	-7.42	10.38 N	1.76
1510.23	0.12	35.90	1510.17	1.01	-7.42	10.38 N	1.12
1511.25	0.12	49.35	1511.19	1.02	-7.42	10.38 N	0.83
1512.27	0.13	60.08	1512.21	1.02	-7.42	10.39 N	0.75
1513.28	0.15	55.81	1513.22	1.01	-7.42	10.39 N	0.67
1514.30	0.12	57.00	1514.24	1.02	-7.42	10.39 N	0.89
1515.31	0.09	64.84	1515.25	1.01	-7.42	10.39 N	0.98
1516.33	0.13	66.54	1516.27	1.02	-7.42	10.39 N	1.18

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1517.35	0.17	76.67	1517.29	1.02	-7.42	10.39 N	1.41	
1518.36	0.18	83.60	1518.30	1.01	-7.42	10.39 N	0.69	
1519.38	0.19	94.43	1519.32	1.02	-7.41	10.39 N	1.07	
1520.39	0.19	93.03	1520.33	1.01	-7.41	10.39 N	0.14	
1521.41	0.18	74.89	1521.35	1.02	-7.41	10.39 N	1.74	
1522.43	0.19	60.42	1522.37	1.02	-7.41	10.39 N	1.40	
1523.44	0.20	51.19	1523.38	1.01	-7.41	10.39 N	0.98	
1524.46	0.20	49.09	1524.40	1.02	-7.41	10.40 N	0.21	
1525.47	0.23	61.32	1525.41	1.01	-7.41	10.40 N	1.62	
1526.49	0.25	66.44	1526.43	1.02	-7.40	10.40 N	0.86	
1527.51	0.26	57.45	1527.45	1.02	-7.40	10.40 N	1.21	
1528.52	0.30	55.24	1528.46	1.01	-7.40	10.41 N	1.23	
1529.54	0.33	57.70	1529.48	1.02	-7.40	10.41 N	0.97	
1530.55	0.36	60.79	1530.49	1.01	-7.40	10.41 N	1.05	
1531.57	0.37	66.26	1531.51	1.02	-7.40	10.41 N	1.07	
1532.59	0.36	73.58	1532.53	1.02	-7.40	10.42 N	1.40	
1533.60	0.37	81.40	1533.54	1.01	-7.39	10.42 N	1.51	
1534.62	0.38	83.98	1534.56	1.02	-7.39	10.42 N	0.58	
1535.63	0.36	78.62	1535.57	1.01	-7.38	10.42 N	1.19	
1536.65	0.36	77.11	1536.59	1.02	-7.38	10.42 N	0.28	
1537.67	0.36	75.91	1537.61	1.02	-7.38	10.42 N	0.22	
1538.68	0.32	77.11	1538.62	1.01	-7.37	10.42 N	1.21	
1539.70	0.30	78.53	1539.64	1.02	-7.37	10.43 N	0.63	
1540.71	0.29	79.48	1540.65	1.01	-7.37	10.43 N	0.33	
1541.73	0.28	77.38	1541.67	1.02	-7.37	10.43 N	0.42	
1542.75	0.30	75.93	1542.69	1.02	-7.36	10.43 N	0.63	
1543.76	0.32	71.66	1543.70	1.01	-7.36	10.43 N	0.91	
1544.78	0.33	69.71	1544.72	1.02	-7.36	10.43 N	0.44	
1545.79	0.35	70.96	1545.73	1.01	-7.35	10.43 N	0.63	
1546.81	0.37	65.11	1546.75	1.02	-7.35	10.44 N	1.23	
1547.83	0.39	59.42	1547.77	1.02	-7.35	10.44 N	1.25	
1548.84	0.43	56.97	1548.78	1.01	-7.35	10.44 N	1.30	
1549.86	0.39	57.10	1549.80	1.02	-7.35	10.45 N	1.18	
1550.87	0.37	56.65	1550.81	1.01	-7.35	10.45 N	0.60	
1551.89	0.37	60.33	1551.83	1.02	-7.34	10.45 N	0.70	
1552.91	0.34	61.40	1552.85	1.02	-7.34	10.46 N	0.90	
1553.93	0.31	57.55	1553.87	1.01	-7.34	10.46 N	1.25	

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	
1719.52	0.64	14.62	1719.47	1.02	-7.65	11.34 N	0.17	

1719.53	0.64	14.63	1719.47	1.02	-7.65	11.34 N	0.17
1720.55	0.66	15.30	1720.49	1.02	-7.66	11.35 N	0.63
1721.56	0.67	14.65	1721.50	1.01	-7.67	11.37 N	0.37
1722.58	0.67	13.78	1722.52	1.02	-7.67	11.38 N	0.30
1723.59	0.67	12.64	1723.53	1.01	-7.68	11.39 N	0.40
1724.61	0.68	10.60	1724.55	1.02	-7.68	11.40 N	0.76
1725.63	0.68	9.26	1725.57	1.02	-7.69	11.41 N	0.47
1726.64	0.68	9.48	1726.58	1.01	-7.70	11.42 N	0.08
1727.66	0.69	9.59	1727.60	1.02	-7.71	11.44 N	0.30

Survey Report

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

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

1775.41	0.75	69.81	1775.34	1.02	-7.74	11.86 N	0.32
1776.43	0.75	69.83	1776.36	1.02	-7.73	11.86 N	0.01
1777.44	0.75	69.27	1777.37	1.01	-7.73	11.87 N	0.22
1778.46	0.77	68.58	1778.39	1.02	-7.72	11.87 N	0.65
1779.47	0.79	67.63	1779.40	1.01	-7.72	11.88 N	0.71
1780.49	0.80	67.04	1780.42	1.02	-7.71	11.88 N	0.38

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1781.51	0.81	66.90	1781.44	1.02	-7.71	11.89 N	0.30	
1782.52	0.82	66.32	1782.45	1.01	-7.70	11.89 N	0.39	
1783.54	0.82	65.63	1783.47	1.02	-7.70	11.90 N	0.29	
1784.55	0.84	65.32	1784.48	1.01	-7.69	11.91 N	0.61	
1785.57	0.85	65.54	1785.50	1.02	-7.69	11.91 N	0.31	
1786.59	0.85	66.40	1786.52	1.02	-7.68	11.92 N	0.37	
1787.60	0.86	67.48	1787.53	1.01	-7.68	11.92 N	0.56	
1788.62	0.87	67.70	1788.55	1.02	-7.67	11.93 N	0.31	
1789.63	0.86	67.57	1789.56	1.01	-7.66	11.94 N	0.30	
1790.65	0.86	67.67	1790.58	1.02	-7.66	11.94 N	0.04	
1791.67	0.87	68.30	1791.60	1.02	-7.65	11.95 N	0.41	
1792.68	0.88	68.95	1792.61	1.01	-7.65	11.95 N	0.42	
1793.70	0.87	69.69	1793.63	1.02	-7.64	11.96 N	0.45	
1794.71	0.86	70.38	1794.64	1.01	-7.63	11.96 N	0.43	
1795.73	0.85	70.46	1795.66	1.02	-7.63	11.97 N	0.30	
1796.75	0.85	70.75	1796.68	1.02	-7.62	11.97 N	0.13	
1797.76	0.84	70.58	1797.69	1.01	-7.61	11.98 N	0.31	
1798.78	0.84	70.60	1798.71	1.02	-7.61	11.98 N	0.01	
1799.79	0.82	71.84	1799.72	1.01	-7.60	11.99 N	0.80	
1800.81	0.81	72.58	1800.74	1.02	-7.59	11.99 N	0.43	
1801.83	0.80	72.06	1801.76	1.02	-7.59	12.00 N	0.36	
1802.84	0.80	72.26	1802.77	1.01	-7.58	12.00 N	0.08	
1803.86	0.81	72.13	1803.79	1.02	-7.57	12.01 N	0.30	
1804.87	0.80	71.19	1804.80	1.01	-7.57	12.01 N	0.49	
1805.89	0.79	71.05	1805.82	1.02	-7.56	12.02 N	0.30	
1806.91	0.78	70.44	1806.84	1.02	-7.56	12.02 N	0.38	
1807.92	0.77	69.28	1807.85	1.01	-7.55	12.02 N	0.55	
1808.94	0.76	68.93	1808.87	1.02	-7.54	12.03 N	0.32	
1809.95	0.76	68.27	1809.88	1.01	-7.54	12.03 N	0.26	
1810.97	0.74	66.78	1810.90	1.02	-7.53	12.04 N	0.82	
1811.99	0.73	66.08	1811.92	1.02	-7.53	12.04 N	0.40	
1813.00	0.73	65.00	1812.93	1.01	-7.52	12.05 N	0.41	
1814.02	0.72	63.47	1813.95	1.02	-7.52	12.06 N	0.64	
1815.03	0.71	62.35	1814.96	1.01	-7.52	12.06 N	0.51	
1816.05	0.72	61.30	1815.98	1.02	-7.51	12.07 N	0.48	
1817.07	0.71	60.38	1817.00	1.02	-7.51	12.07 N	0.45	
1818.08	0.72	59.47	1818.01	1.01	-7.51	12.08 N	0.45	
1819.10	0.73	58.30	1819.03	1.02	-7.50	12.09 N	0.53	
1820.11	0.72	56.88	1820.04	1.01	-7.50	12.09 N	0.61	
1821.13	0.73	55.80	1821.06	1.02	-7.50	12.10 N	0.50	
1822.15	0.73	55.07	1822.08	1.02	-7.49	12.11 N	0.27	
1823.16	0.74	54.63	1823.09	1.01	-7.49	12.12 N	0.34	
1824.18	0.74	54.28	1824.11	1.02	-7.49	12.12 N	0.13	
1825.19	0.75	53.63	1825.12	1.01	-7.49	12.13 N	0.39	
1826.21	0.76	53.72	1826.14	1.02	-7.49	12.14 N	0.30	
1827.23	0.77	54.15	1827.16	1.02	-7.48	12.15 N	0.34	
1828.24	0.79	54.09	1828.17	1.01	-7.48	12.15 N	0.59	
1829.26	0.82	54.57	1829.19	1.02	-7.48	12.16 N	0.91	

1830.27	0.85	55.05	1830.20	1.01	-7.48	12.17 N	0.91
1831.29	0.87	54.71	1831.22	1.02	-7.47	12.18 N	0.61
1832.31	0.89	55.22	1832.24	1.02	-7.47	12.19 N	0.63
1833.32	0.91	55.91	1833.25	1.01	-7.47	12.20 N	0.68

Survey Report								
Vertical Section Plane: 135.00°				Total Correction: 3.64° East to Grid				
Calculation Method: Minimum Curvature				Survey Reference: Rotary Table				
North Aligned to: Grid North				Well: AMUNGEE NW-1H				
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
1834.34	0.92	56.28	1834.27	1.02	-7.47	12.21 N	0.34	
1835.35	0.93	57.30	1835.28	1.01	-7.46	12.22 N	0.57	
1836.37	0.93	58.25	1836.30	1.02	-7.46	12.22 N	0.45	
1837.39	0.92	58.64	1837.32	1.02	-7.45	12.23 N	0.35	
1838.40	0.91	59.99	1838.33	1.01	-7.45	12.24 N	0.71	
1839.42	0.89	61.54	1839.35	1.02	-7.45	12.25 N	0.93	
1840.43	0.87	63.08	1840.36	1.01	-7.44	12.26 N	0.92	
1841.45	0.86	65.02	1841.38	1.02	-7.44	12.26 N	0.91	
1842.47	0.85	66.17	1842.40	1.02	-7.43	12.27 N	0.58	
1843.48	0.84	66.47	1843.41	1.01	-7.43	12.28 N	0.32	
1844.50	0.84	66.89	1844.43	1.02	-7.42	12.28 N	0.18	
1845.51	0.83	67.16	1845.44	1.01	-7.42	12.29 N	0.32	
1846.53	0.81	67.65	1846.45	1.02	-7.41	12.29 N	0.62	
1847.55	0.81	68.67	1847.47	1.02	-7.40	12.30 N	0.42	
1848.56	0.82	69.66	1848.48	1.01	-7.40	12.30 N	0.51	
1849.58	0.83	69.97	1849.50	1.02	-7.39	12.31 N	0.32	
1850.59	0.85	69.66	1850.51	1.01	-7.39	12.31 N	0.61	
1851.61	0.86	69.52	1851.53	1.02	-7.38	12.32 N	0.30	
1852.63	0.86	69.62	1852.55	1.02	-7.37	12.32 N	0.04	
1853.64	0.86	70.05	1853.56	1.01	-7.37	12.33 N	0.19	
1854.66	0.86	70.75	1854.58	1.02	-7.36	12.33 N	0.31	
1855.67	0.87	71.26	1855.59	1.01	-7.35	12.34 N	0.37	
1856.69	0.89	71.40	1856.61	1.02	-7.35	12.34 N	0.59	
1857.71	0.90	71.10	1857.63	1.02	-7.34	12.35 N	0.32	
1858.72	0.90	69.96	1858.64	1.01	-7.33	12.36 N	0.53	
1859.74	0.90	68.68	1859.66	1.02	-7.33	12.36 N	0.59	
1860.75	0.90	66.97	1860.67	1.01	-7.32	12.37 N	0.80	
1861.77	0.89	65.31	1861.69	1.02	-7.31	12.37 N	0.82	
1862.79	0.88	64.31	1862.71	1.02	-7.31	12.38 N	0.54	
1863.80	0.87	63.45	1863.72	1.01	-7.30	12.39 N	0.49	
1864.82	0.87	62.49	1864.74	1.02	-7.30	12.39 N	0.43	
1865.83	0.87	61.43	1865.75	1.01	-7.29	12.40 N	0.48	
1866.85	0.88	60.13	1866.77	1.02	-7.29	12.41 N	0.65	
1867.87	0.87	58.89	1867.79	1.02	-7.29	12.42 N	0.63	
1868.88	0.87	58.45	1868.80	1.01	-7.28	12.42 N	0.20	
1869.90	0.88	58.23	1869.82	1.02	-7.28	12.43 N	0.31	
1870.91	0.89	58.38	1870.83	1.01	-7.28	12.44 N	0.30	
1871.93	0.90	58.63	1871.85	1.02	-7.27	12.45 N	0.32	
1872.95	0.92	58.69	1872.87	1.02	-7.27	12.46 N	0.59	
1873.96	0.92	58.58	1873.88	1.01	-7.26	12.47 N	0.05	
1874.98	0.93	59.15	1874.90	1.02	-7.26	12.47 N	0.40	
1875.99	0.93	59.94	1875.91	1.01	-7.26	12.48 N	0.38	
1877.01	0.94	60.32	1876.93	1.02	-7.25	12.49 N	0.35	
1878.03	0.95	60.88	1877.95	1.02	-7.25	12.50 N	0.40	
1879.04	0.97	61.45	1878.96	1.01	-7.24	12.51 N	0.66	
1880.06	0.98	61.57	1879.98	1.02	-7.24	12.52 N	0.30	
1881.07	0.98	61.88	1880.99	1.01	-7.23	12.52 N	0.16	
1882.09	0.98	62.59	1882.01	1.02	-7.23	12.53 N	0.36	
1883.11	0.97	63.41	1883.03	1.02	-7.22	12.54 N	0.50	
1884.12	0.97	64.35	1884.04	1.01	-7.22	12.55 N	0.47	
1885.14	0.96	65.25	1885.06	1.02	-7.21	12.55 N	0.58	

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

Vertical Section Plane: 135.00°					Total Correction: 3.64° East to Grid			
Calculation Method: Minimum Curvature					Survey Reference: Rotary Table			
North Aligned to: Grid North					Well: AMUNGEE NW-1H			
Measured Depth (m)	Inclination (deg)	Azimuth (deg)	TVD (m)	Course Length (m)	Vertical Section (m)	Rect Co-ord North (m)	Dog-leg Severity (dg/30m)	Temp (deg C)
3622.20	93.83	140.56	2440.19	13.10	1400.78	988.12 S	2.77	104.61
3635.40	96.20	138.92	2439.03	13.20	1413.88	998.15 S	6.54	102.60
3648.60	96.64	136.20	2437.56	13.20	1426.98	1007.83 S	6.22	104.61
3661.80	96.64	133.39	2436.03	13.20	1440.09	1017.07 S	6.34	104.61
3674.90	96.46	130.50	2434.53	13.10	1453.09	1025.77 S	6.59	104.61
3688.00	95.41	127.97	2433.18	13.10	1466.05	1034.01 S	6.24	104.61
3701.10	93.91	126.24	2432.12	13.10	1478.98	1041.88 S	5.23	104.61
3714.20	92.77	127.22	2431.35	13.10	1491.93	1049.70 S	3.44	104.61
3727.40	91.89	127.50	2430.82	13.20	1505.00	1057.71 S	2.10	104.61
3740.50	91.98	127.20	2430.37	13.10	1517.97	1065.65 S	0.72	104.61
3753.70	91.89	127.09	2429.93	13.20	1531.04	1073.62 S	0.32	106.61
3766.80	92.15	126.45	2429.47	13.10	1544.00	1081.45 S	1.58	106.61
3779.90	92.07	126.47	2428.98	13.10	1556.94	1089.23 S	0.19	106.61
3793.20	92.07	126.21	2428.50	13.30	1570.08	1097.11 S	0.59	104.61
3808.00	92.07	126.21	2427.97	14.80	1584.70	1105.85 S	0.00	106.60

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

BOTTOM HOLE ASSEMBLY RECORD							
RUN 5 m							

6 3/4 PDC BIT	0.19						
4 3/4" PD RSS	4.46						
4 3/4" FLOAT SUB	0.94						
4 3/4" DPM	1.40						
4 3/4" PP X/OVER	0.98						
4 3/4" SGS NMDC	8.15						
4 3/4" SAWR	6.24						
4 3/4" ABS	4.70						
4 3/4" NMDC	9.34						
4 3/4" FILTER	0.92						
4 3/4" X/OVER	0.61						
123 X 4" DP'S	1622.56						
10 X 4" HWDP	131.02						
4 3/4" X/OVER	0.73						
HYDRA JAR	9.19						
4 3/4: X/OVER	0.66						
10 X 4" HWDP	131.04						
=====							
TOTAL BHA LENGTH	1933.13						
=====							
DIRECTIONAL	10.89						
SPECTRAL GR	8.73						
PRESSURE	6.66						
RESISTIVITY	19.30						
AWR GAMMA	17.26						



A Schlumberger Company

GAMMA-RAY
RESISTIVITY
MEMORY LOG

1 : 500
METERS MD